

Lower Colorado River Accounting System

Demonstration of Technology

Documentation for Calendar Year 1999

Appendix I

Lower Colorado River Accounting System

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Documentation for Calendar Year 1999

Appendix I: Part 1

Evapotranspiration-Rate Calculations

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Appendix I, Part 1

Evapotranspiration-Rate Calculations

Introduction

This documentation displays the data and calculations used to develop the evapotranspiration (ET) rates used in the Lower Colorado River Accounting System, Demonstration of Technology, for calendar year 1999. These ET rates are based upon:

1. daily reference ET calculated using the ASCE-recommended standardized equation and data collected by the Arizona Meteorological Network (AZMET) and California Irrigation Management Information System (CIMIS) stations sited along the lower Colorado River (see attachment 6 of the 1999 LCRAS Demonstration of Technology report for a detailed description of the standardized equation) and,
2. daily ET coefficients for crop and phreatophyte groups (Jensen, 1996).

All reference ET, precipitation, and ET-rate values are in units of inches unless otherwise noted.

A new procedure incorporated into the 1999 LCRAS report is the calculation of daily reference-ET values using the standardized equation¹ from data collected by three CIMIS and five AZMET automated weather stations sited along the lower Colorado River. These stations are sited in irrigation districts and continuously collect maximum, minimum, and average air temperature and relative humidity; 2- and 4-inch average soil temperature, wind speed, precipitation; and calculate net solar radiation. These parameters, with the exception of precipitation, are used to calculate hourly and daily reference-ET values.

The use of the standardized equation eliminates the portion of disparity in reference-ET values reported by the CIMIS and AZMET networks that results from each network's use of slightly different equations to calculate reference ET. This improvement leaves only siting conditions, equipment calibration, and micro-climatic differences between sites as sources of site to site variations in reference-ET values.

¹ Dr. Paul Brown of the Arizona Meteorological Network applied the Penman-Montieth Equation recommended by ASCE to calculate the reference ET values used in this report.

Reclamation developed area-specific reference-ET values for the Yuma Area, and the Palo Verde and Parker Valleys by averaging reference-ET values produced using the standardized equation and data collected by the CIMIS and AZMET stations sited within those areas.

Crop groups have been modified for 1999 to more accurately reflect the increasing variety of crops found in the Colorado River Valley, and to more accurately group crops with similar growing seasons and water use. Six additional crop groups have been added to the crop groups used in past reports. These crop groups are, Field Grain, Legume/Solanum Vegetables, Deciduous Orchards, Root Vegetables, Perennial Vegetables, and Sugar Beets. Several crops, previously grouped into Other Vegetables, have been reassigned to the new crop groups mentioned above. ET coefficients were developed for the new crop groups, while the ET coefficients for the crop groups that were not changed remain the same as used in 1998².

ET-Rate Tables Description

The ET-rate tables display the ET-rate calculations for each crop and phreatophyte group based upon reference-ET values calculated using the standardized equation and data collected by the AZMET and CIMIS stations sited along the lower Colorado River. Three ET-rate tables have been created for 1999. The ET- rate table names correspond to the name of the CIMIS and AZMET site for which a site-specific reference-ET value has been developed, or the area for which an area-specific reference-ET value has been developed. The ET-rate tables created for the 1999 report and the AZMET and CIMIS sites used to create them are shown in table below.

| ET-Rate Table | AZMET/CIMIS Station Site |
|---------------------------------|---|
| Mohave ET-Rate Table | Mohave AZMET site |
| Parker/Palo Verde ET-Rate Table | Parker AZMET, & Palo Verde, Blythe NE, & Ripley CIMIS sites |
| Yuma Area ET-Rate Table | North Gila, Yuma Mesa, & Yuma Valley AZMET sites |

Each ET-rate table consists of several sheets. The first sheet is a summary sheet, labeled sheet A, which displays reference-ET values from the site-specific and area-specific reference-ET sheets (described

² Daily ET coefficients were developed specifically for the LCRAS program (Jensen, Marvin E., 1998).

below), precipitation, and the ET rate calculated for each crop and phreatophyte group. Estimated values are noted with an asterisk.

The sheets following sheet A (labeled sheets B, C, ... AR), the site-specific or area-specific reference-ET sheets, and the precipitation sheets, are used to store data and the results of other calculations used to develop the results displayed on sheet A. Each sheet is titled and generally reports one topic. At the top of each sheet is a summary or total of the calculations made therein. Also, the source of the data displayed in the tables and the type of calculations performed are identified within each sheet. A more detailed description of each sheet of the ET-rate tables is presented in subsequent paragraphs.

The equation used to calculate an ET rate for each crop group is shown below. The ET-rate, reference-ET, and precipitation values are in units of inches, and the ET coefficient is dimensionless.

$$\text{ET rate} = (\text{Reference ET} * K_c) - \text{Effective Precipitation.}$$

Where,

$$K_c = \text{ET coefficient for each crop group}$$

Effective precipitation is calculated as the product of precipitation reported by CIMIS, AZMET, and National Weather Service (NWS) stations, and a coefficient for effective precipitation (Jensen 1993).

The ET rate for phreatophyte groups is not reduced by an estimate of effective precipitation. The equation to calculate the ET rate for phreatophyte groups is shown below.

$$\text{ET rate} = \text{Reference ET} * K_p$$

Where,

$$K_p = \text{ET coefficient for each phreatophyte group}$$

The format of the ET-rate tables is described below:

ET Summary Sheet

This sheet, labeled sheet A, displays monthly values of reference ET from the site-specific and area-specific reference-ET sheets, monthly precipitation from the precipitation sheet, and monthly ET-rate values for each crop and phreatophyte group from the crop-ET sheets. The values in this sheet are used by the water-balance tables (see Appendix I, part 2) to calculate the ET, in acre-feet, of crops and phreatophytes along the lower Colorado River.

Precipitation Sheet

This sheet, labeled sheet B, displays daily precipitation and monthly and annual summations thereof. Daily precipitation values are reported by CIMIS, AZMET, and (NWS) precipitation stations in the area of interest. In 1999 the daily precipitation from AZMET, CIMIS and NWS gages in an area were averaged to provide a single daily site specific or area specific precipitation amount for each area. Precipitation is reported in units of inches.

The use of average precipitation values is a departure from previous reports where precipitation values reported by CIMIS and AZMET stations was applied to the districts or areas immediately around the station. Precipitation values from other sources were used only to fill gaps in the records of the AZMET and CIMIS stations. Reclamation believes the use of precipitation values from AZMET, CIMIS, and NWS stations improves the quality of the precipitation values used in ET-rate calculations.

Effective-Precipitation Sheet

This sheet, labeled sheet C, displays calculations of daily effective precipitation and provides monthly and annual summations thereof. Effective precipitation is calculated as shown below. Effective-precipitation and precipitation values are in units of inches. The effective-precipitation coefficient is dimensionless.

$$\text{Effective precipitation} = \text{precipitation (from sheet B)} * \text{effective precipitation coefficient}^3.$$

³ Jensen 1993.

Reference-ET Sheet

This sheet, labeled sheet D, displays the reference-ET values, and monthly and annual summations of reference ET from the site-specific and area-specific reference-ET sheets. These values are used to calculate ET rates for crops and phreatophytes in succeeding sheets. The ET-rate values are in units of inches.

Crop/Phreatophyte-ET Sheets

These sheets, labeled sheets E-AR, are all in the same two-page format. Each sheet corresponds to a specific crop or phreatophyte group. Page one displays calculations of the daily ET rate, with monthly and annual summations of the ET rate for a single crop or phreatophyte group. The ET rate is calculated as shown below. The ET rate and reference ET, are in units of inches. The ET coefficient for each crop group or phreatophyte group is dimensionless.

Crop ET:

$$\text{ET rate} = [\text{Reference ET (from sheet D)} * K_c] - \text{effective precipitation (from sheet C)},$$

Where,

$$K_c = \text{ET coefficient for each crop group};$$

Phreatophyte ET:

$$\text{ET rate} = \text{Reference ET (from sheet D)} * K_p,$$

Where,

$$K_p = \text{ET coefficient for each phreatophyte group}.$$

Page two stores the K_c or K_p values. Monthly summations are carried over to the ET summary sheet (sheet A). An index of the crop and phreatophyte groups displayed on each of sheets labeled E through AR is shown on the following pages.

| Crop Groups | |
|--------------------|--|
| Sheet ID | Group Name |
| sheet E | Alfalfa-1a perennial |
| sheet F | Alfalfa-1b annual |
| sheet G | Alfalfa-1c seed |
| sheet H | Cotton |
| sheet I | Small Grain (Includes Oats, Rye, Barley, Millet, and Wheat) |
| sheet J | Field Grain (Includes Field & Sweet Corn, Sorghum, & Milo) |
| sheet K | Lettuce-early |
| sheet L | Lettuce-late |
| sheet M | Melons- spring |
| sheet N | Melons- fall |
| sheet O | Bermuda Grass |
| sheet P | Bermuda Grass Over Seeded with Rye Grass in Winter |
| sheet Q | Citrus-Young, 1 to 2 Meter Size |
| sheet R | Citrus-Mature, 2 + Meter Size |
| sheet S | Citrus-Declining |
| sheet T | Tomatoes |
| sheet U | Sudan Grass |
| sheet V | Legume & Solanum Vegetables (green beans, dry beans, garbanzo beans, peas, peanuts, fresh peppers, & potatoes) |
| sheet W | Crucifers (broccoli, cauliflower, cabbage, bok-choy, mustard, kale, & okra) |
| sheet X | Dates |
| sheet Y | Safflower |
| sheet Z | Deciduous Orchards (pecans & peaches) |
| sheet AA | Small Vegetables (carrots, celantro, celery, garlic, onions, parsley, & radishes) |

| Crop Groups | |
|--------------------|---|
| Sheet ID | Group Name |
| sheet AB | Root Vegetables (table beets, parsnips, turnips, & rutabagas) |
| sheet AC | Perennial Vegetables (artichokes, asparagus) |
| sheet AD | Sugar Beets |
| sheet AE | Grapes |

| Phreatophyte Groups | | |
|----------------------------|-------------------|--|
| Sheet ID | Group Name | Description |
| sheet AF | Marsh | cattail, bulrush, phragmites 40% |
| sheet AG | Barren | #10% vegetation |
| sheet AH | Sc-low | 11-60% salt cedar and #25% arrowweed |
| sheet AI | Sc-high | 61-100% salt cedar and #25% arrowweed |
| sheet AJ | Sc/ms | 11-60% salt cedar and 11-60% mesquite and #25% arrowweed |
| sheet AK | Sc/aw | #75% salt cedar and \$25% arrowweed |
| sheet AL | Sc/ms/aw | 15-45% salt cedar and 15-45% mesquite and 20-40% arrowweed |
| sheet AM | Ms-low | 11-60% screwbean and honey mesquite #25% arrowweed |
| sheet AN | Ms-high | 61-100% screwbean and honey mesquite #25% arrowweed |
| sheet AO | Ms/aw | 21-60% mesquite and 31-60% arrowweed and #20% salt cedar |
| sheet AP | Aw | 51-100% arrowweed and #10% any trees |
| sheet AQ | Cw | 61-100% cotton wood and willow |
| sheet AR | Low Veg | >10% and #30% any phreatophyte vegetation |

Site-Specific and Area-Specific Reference-ET Sheet

The site-specific and area-specific reference-ET sheet presents the reference-ET values used to calculate the ET of the various crops and phreatophytes in the ET-rate table. The first page presents the daily, monthly, and annual area-specific reference-ET values for the area of interest, all in units of inches. The following pages present site-specific daily, monthly, and annual reference-ET values (all in units of millimeters) for each of the station sites that were averaged to create the area-specific reference-ET values. Only a site-specific reference-ET sheet is provided for the Mohave Valley because only one AZMET station is sited there.

Average-Precipitation Sheet

The average-precipitation sheet presents the average-precipitation values, the station names, and the site-specific precipitation values that were averaged to produce the average-precipitation values used to calculate the ET of the various crops and phreatophytes presented in the ET-rate tables.

Each page of the average-precipitation sheet presents the daily precipitation for one month of the year from each of the sites used in the analysis, the resultant daily average precipitation, the annual totals of the daily precipitation at each of the sites, and the annual total of the average daily-precipitation values.

The daily precipitation values used to calculate ET rates for the Mohave valley are the average of daily precipitation values reported by the Ft. Mohave AZMET station and the NWS Bullhead City station. The daily precipitation values used to calculate ET rates for the Parker/Palo Verde valleys are the average of daily precipitation values reported by the Palo Verde and Ripley CIMIS stations, the Parker AZMET, and the Blythe, Ehrenberg and Parker NWS stations. The daily precipitation values used to calculate ET rates for the Yuma area are the average of daily precipitation values reported by the North Gila, Yuma Mesa, and Yuma Valley AZMET stations, and the Yuma Citrus and Yuma Crossing Park NWS stations.

Bibliography

- Jensen, Marvin E., 1993. "Evaluating Effective Rainfall in CVWD," October 1, 1993. Appendix 3 of "Appendix Prepared for Water Use Assessment, Coachella Valley Water District and Imperial Irrigation District," Phase I Report from the Technical Work Group, Stephen M. Jones, Charles M. Burt, Albert J. Clemmens, Marvin E. Jensen, Joseph M. Lord, Jr., Kenneth H. Solomon, Draft April 1994 (copies of Appendix 3 are available from the Bureau of Reclamation, Boulder Canyon Operations Office, Boulder City, Nevada) (see page A3-13).
- Jensen 1996. "Coefficients for Vegetative Evapotranspiration and Open Water Evaporation for the Lower Colorado River Accounting System" Report Final Draft, 15 July 1996, Marvin E. Jensen, Consultant, 1207 Springwood Drive, Fort Collins, CO 80525-2850 (a draft report available from the Bureau of Reclamation Boulder Canyon Operations Office in Boulder City, Nevada).

Mohave

ET-Rate Table

ET calculations for Sheet A 1999 ET SUMMARY SHEET
Mojave Valley - Mohave AZMET and Bullhead City NWS stations
(Sheet has final ET numbers for each crop)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Reference ET, inches | 4.11 | 4.04 | 5.86 | 7.05 | 10.32 | 9.74 | 8.24 | 7.86 | 6.38 | 5.62 | 3.28 | 4.40 | 76.89 |
| Precipitation, inches (from data file ftmorain.wk4) | 0.16 | 0.33 | 0.00 | 0.46 | 0.04 | 0.09 | 0.41 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 1.99 |
| Monthly ET, inches | | | | | | | | | | | | | |
| Crop | | | | | | | | | | | | | |
| Alfalfa- perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa- annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa- seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce- early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce- late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons- spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons- fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus- young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus- mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus- declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

ET calculations for Sheet B 1999 PRECIPITATION

Mojave Valley - Mohave AZMET and Bullhead City NWS stations

(This sheet calculates the total monthly precipitation from averaged daily values from the Mohave AZMET and Bullhead City NWS Weather stations.)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Precipitation, inches (from data file ftmorain.wk4) | 0.16 | 0.33 | 0.00 | 0.46 | 0.04 | 0.09 | 0.41 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 1.99 |
| Date | | | | | | | | | | | | | |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 0 | 0 | 0 | 0 | 0 | 0.080 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4 | 0 | 0.140 | 0 | 0.140 | 0 | 0.015 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5 | 0 | 0.195 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0.055 | 0 | 0 | 0 | 0 | 0 | |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.025 | 0 | 0 | 0 | 0 | 0 | |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 12 | 0 | 0 | 0 | 0.005 | 0 | 0 | 0.290 | 0 | 0 | 0 | 0 | 0 | |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0.035 | 0 | 0.030 | 0 | 0 | 0 | |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0.005 | 0 | 0 | 0 | 0 | 0 | |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.075 | 0 | 0 | 0 | |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.005 | 0 | 0 | 0 | |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.380 | 0 | 0 | 0 | |
| 23 | 0 | 0 | 0 | 0.015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 24 | 0 | 0 | 0 | 0.115 | 0.035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 25 | 0.015 | 0 | 0 * | 0.060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 26 | 0.150 | 0 | 0 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 27 | 0 | 0 | 0 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 28 | 0 | 0 | 0 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 29 | 0 | 0 | 0 | 0.040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 30 | 0 | 0 | 0 | 0.085 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

* - Using estimated values from Mohave AZMET Station

ET calculations for Sheet C 1999 EFFECTIVE PRECIPITATION
Mojave Valley - Mohave AZMET and Bullhead City NWS stations
(Sheet to calculate effective precipitation)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Effective Precipitation, inches | 0.07 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| Coefficient for Effective Precipitation (from Jensen, 1995) | 0.4 | 0.4 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | |
| Effective Precipitation (Precipitation X Effective Precip. coefficient.), inches | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

ET calculations for Sheet D 1999 REFERENCE ET

Mojave Valley - Mohave AZMET and Bullhead City NWS stations

(Sheet to store reference ET numbers from 99ftmohaveeto.wk4. Reference ET using the standard equation and data collected by the Mohave AZMET Weather Station).

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|-----------------------|---------|----------|-------|-------|-------|------|------|--------|-----------|---------|----------|----------|-------|
| Reference ET (inches) | 4.11 | 4.04 | 5.86 | 7.05 | 10.32 | 9.74 | 8.24 | 7.86 | 6.38 | 5.62 | 3.28 | 4.40 | 76.89 |
| Date | | | | | | | | | | | | | |
| 1 | 0.17 | 0.13 | 0.16 | 0.18 | 0.21 | 0.35 | 0.35 | 0.28 | 0.29 | 0.18 | 0.16 | 0.13 | |
| 2 | 0.18 | 0.19 | 0.16 | 0.15 | 0.32 | 0.35 | 0.39 | 0.20 | 0.25 | 0.20 | 0.10 | 0.13 | |
| 3 | 0.20 | 0.12 | 0.27 | 0.19 | 0.34 | 0.32 | 0.39 | 0.27 | 0.21 | 0.16 | 0.10 | 0.18 | |
| 4 | 0.15 | 0.09 | 0.20 | 0.13 | 0.27 | 0.24 | 0.33 | 0.26 | 0.20 | 0.15 | 0.08 | 0.18 | |
| 5 | 0.13 | 0.05 | 0.16 | 0.19 | 0.40 | 0.31 | 0.28 | 0.28 | 0.20 | 0.16 | 0.09 | 0.09 | |
| 6 | 0.08 | 0.07 | 0.21 | 0.21 | 0.32 | 0.36 | 0.26 | 0.33 | 0.20 | 0.23 | 0.15 | 0.09 | |
| 7 | 0.06 | 0.06 | 0.17 | 0.17 | 0.32 | 0.34 | 0.25 | 0.28 | 0.20 | 0.27 | 0.07 | 0.13 | |
| 8 | 0.17 | 0.08 | 0.14 | 0.19 | 0.38 | 0.32 | 0.17 | 0.27 | 0.20 | 0.25 | 0.09 | 0.17 | |
| 9 | 0.23 | 0.14 | 0.15 | 0.25 | 0.32 | 0.30 | 0.28 | 0.26 | 0.12 | 0.15 | 0.11 | 0.06 | |
| 10 | 0.17 | 0.16 | 0.13 | 0.23 | 0.29 | 0.30 | 0.27 | 0.25 | 0.20 | 0.15 | 0.08 | 0.13 | |
| 11 | 0.06 | 0.15 | 0.17 | 0.19 | 0.34 | 0.28 | 0.18 | 0.25 | 0.21 | 0.15 | 0.13 | 0.20 | |
| 12 | 0.12 | 0.20 | 0.21 | 0.20 | 0.37 | 0.29 | 0.14 | 0.24 | 0.25 | 0.16 | 0.15 | 0.14 | |
| 13 | 0.15 | 0.14 | 0.15 | 0.19 | 0.45 | 0.29 | 0.18 | 0.26 | 0.22 | 0.19 | 0.15 | 0.09 | |
| 14 | 0.23 | 0.14 | 0.14 | 0.36 | 0.39 | 0.36 | 0.25 | 0.25 | 0.22 | 0.14 | 0.11 | 0.19 | |
| 15 | 0.09 | 0.16 | 0.21 | 0.48 | 0.31 | 0.36 | 0.27 | 0.27 | 0.21 | 0.14 | 0.08 | 0.21 | |
| 16 | 0.07 | 0.10 | 0.14 | 0.39 | 0.38 | 0.37 | 0.31 | 0.23 | 0.21 | 0.32 | 0.06 | 0.15 | |
| 17 | 0.06 | 0.11 | 0.16 | 0.22 | 0.28 | 0.35 | 0.30 | 0.26 | 0.20 | 0.31 | 0.10 | 0.16 | |
| 18 | 0.09 | 0.14 | 0.15 | 0.24 | 0.32 | 0.35 | 0.28 | 0.28 | 0.26 | 0.14 | 0.17 | 0.07 | |
| 19 | 0.13 | 0.20 | 0.15 | 0.31 | 0.36 | 0.31 | 0.29 | 0.20 | 0.20 | 0.23 | 0.07 | 0.17 | |
| 20 | 0.17 | 0.26 | 0.26 | 0.31 | 0.35 | 0.31 | 0.29 | 0.22 | 0.20 | 0.21 | 0.09 | 0.18 | |
| 21 | 0.24 | 0.13 | 0.19 | 0.30 | 0.33 | 0.42 | 0.28 | 0.24 | 0.20 | 0.21 | 0.14 | 0.17 | |
| 22 | 0.13 | 0.24 | 0.17 | 0.36 | 0.35 | 0.31 | 0.28 | 0.29 | 0.09 | 0.15 | 0.17 | 0.24 | |
| 23 | 0.10 | 0.20 | 0.21 | 0.19 | 0.26 | 0.29 | 0.29 | 0.18 | 0.17 | 0.12 | 0.15 | 0.24 | |
| 24 | 0.08 | 0.13 | 0.19 | 0.08 | 0.22 | 0.31 | 0.30 | 0.26 | 0.17 | 0.11 | 0.19 | 0.18 | |
| 25 | 0.12 | 0.17 | 0.18 | 0.19 | 0.26 | 0.33 | 0.30 | 0.26 | 0.18 | 0.12 | 0.14 | 0.16 | |
| 26 | 0.09 | 0.19 | 0.28 | 0.27 | 0.29 | 0.33 | 0.28 | 0.24 | 0.18 | 0.10 | 0.08 | 0.11 | |
| 27 | 0.07 | 0.13 | 0.22 | 0.37 | 0.33 | 0.32 | 0.14 | 0.27 | 0.21 | 0.10 | 0.06 | 0.16 | |
| 28 | 0.16 | 0.14 | 0.18 | 0.33 | 0.36 | 0.33 | 0.19 | 0.25 | 0.40 | 0.15 | 0.06 | 0.11 | |
| 29 | 0.18 | | 0.22 | 0.10 | 0.44 | 0.33 | 0.19 | 0.24 | 0.35 | 0.26 | 0.10 | 0.06 | |
| 30 | 0.07 | | 0.28 | 0.10 | 0.38 | 0.32 | 0.27 | 0.25 | 0.17 | 0.26 | 0.06 | 0.07 | |
| 31 | 0.16 | | 0.26 | | 0.37 | | 0.27 | 0.27 | | 0.17 | | 0.06 | |

* - Estimated value

ET calculations for Sheet E: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Alfalfa-1a perennial)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa- perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.10 | 0.09 | 0.16 | 0.15 | 0.11 | 0.16 | 0.12 | 0.28 | 0.30 | 0.18 | 0.12 | 0.13 | |
| 2 | 0.11 | 0.13 | 0.16 | 0.12 | 0.18 | 0.18 | 0.13 | 0.20 | 0.26 | 0.20 | 0.08 | 0.13 | |
| 3 | 0.14 | 0.09 | 0.27 | 0.17 | 0.20 | 0.18 | 0.13 | 0.27 | 0.22 | 0.16 | 0.08 | 0.18 | |
| 4 | 0.11 | 0.01 | 0.20 | 0.12 | 0.17 | 0.15 | 0.11 | 0.26 | 0.21 | 0.16 | 0.06 | 0.18 | |
| 5 | 0.10 | -0.04 | 0.16 | 0.18 | 0.26 | 0.20 | 0.11 | 0.09 | 0.21 | 0.16 | 0.07 | 0.09 | |
| 6 | 0.06 | 0.06 | 0.21 | 0.21 | 0.22 | 0.25 | 0.11 | 0.11 | 0.20 | 0.23 | 0.13 | 0.09 | |
| 7 | 0.04 | 0.05 | 0.17 | 0.17 | 0.23 | 0.24 | 0.12 | 0.09 | 0.20 | 0.28 | 0.07 | 0.13 | |
| 8 | 0.14 | 0.07 | 0.14 | 0.20 | 0.28 | 0.24 | 0.09 | 0.09 | 0.20 | 0.25 | 0.08 | 0.17 | |
| 9 | 0.21 | 0.12 | 0.16 | 0.25 | 0.24 | 0.24 | 0.16 | 0.10 | 0.12 | 0.15 | 0.11 | 0.06 | |
| 10 | 0.15 | 0.14 | 0.13 | 0.23 | 0.23 | 0.25 | 0.17 | 0.11 | 0.07 | 0.15 | 0.08 | 0.13 | |
| 11 | 0.06 | 0.14 | 0.17 | 0.19 | 0.28 | 0.25 | 0.12 | 0.12 | 0.07 | 0.15 | 0.13 | 0.20 | |
| 12 | 0.12 | 0.19 | 0.22 | 0.20 | 0.31 | 0.27 | 0.10 | 0.13 | 0.08 | 0.16 | 0.15 | 0.14 | |
| 13 | 0.15 | 0.14 | 0.16 | 0.19 | 0.39 | 0.28 | 0.14 | 0.15 | 0.07 | 0.19 | 0.15 | 0.10 | |
| 14 | 0.24 | 0.14 | 0.14 | 0.37 | 0.35 | 0.37 | 0.20 | 0.15 | 0.09 | 0.14 | 0.12 | 0.19 | |
| 15 | 0.03 | 0.16 | 0.21 | 0.49 | 0.29 | 0.37 | 0.23 | 0.18 | 0.09 | 0.14 | 0.08 | 0.22 | |
| 16 | 0.02 | 0.10 | 0.05 | 0.40 | 0.36 | 0.37 | 0.28 | 0.16 | 0.10 | 0.11 | 0.06 | 0.16 | |
| 17 | 0.02 | 0.11 | 0.05 | 0.23 | 0.28 | 0.35 | 0.27 | 0.19 | 0.10 | 0.11 | 0.10 | 0.16 | |
| 18 | 0.03 | 0.14 | 0.05 | 0.24 | 0.33 | 0.35 | 0.27 | 0.22 | 0.15 | 0.05 | 0.17 | 0.03 | |
| 19 | 0.04 | 0.21 | 0.05 | 0.32 | 0.37 | 0.32 | 0.29 | 0.17 | 0.12 | 0.08 | 0.08 | 0.06 | |
| 20 | 0.06 | 0.27 | 0.10 | 0.31 | 0.36 | 0.32 | 0.29 | 0.19 | 0.13 | 0.08 | 0.09 | 0.06 | |
| 21 | 0.09 | 0.13 | 0.08 | 0.10 | 0.33 | 0.43 | 0.28 | 0.22 | 0.14 | 0.08 | 0.14 | 0.06 | |
| 22 | 0.05 | 0.25 | 0.07 | 0.12 | 0.36 | 0.32 | 0.28 | 0.28 | 0.07 | 0.07 | 0.17 | 0.08 | |
| 23 | 0.04 | 0.20 | 0.10 | 0.06 | 0.26 | 0.29 | 0.29 | 0.18 | 0.13 | 0.06 | 0.15 | 0.08 | |
| 24 | 0.04 | 0.13 | 0.10 | 0.03 | 0.23 | 0.31 | 0.31 | 0.26 | 0.15 | 0.05 | 0.19 | 0.06 | |
| 25 | 0.05 | 0.17 | 0.10 | 0.07 | 0.27 | 0.34 | 0.31 | 0.27 | 0.16 | 0.06 | 0.14 | 0.06 | |
| 26 | -0.02 | 0.20 | 0.16 | 0.11 | 0.10 | 0.34 | 0.29 | 0.24 | 0.17 | 0.06 | 0.08 | 0.04 | |
| 27 | 0.04 | 0.14 | 0.14 | 0.16 | 0.11 | 0.33 | 0.14 | 0.28 | 0.20 | 0.06 | 0.06 | 0.07 | |
| 28 | 0.09 | 0.14 | 0.12 | 0.15 | 0.12 | 0.33 | 0.19 | 0.26 | 0.41 | 0.09 | 0.06 | 0.05 | |
| 29 | 0.10 | | 0.15 | 0.05 | 0.15 | 0.34 | 0.19 | 0.24 | 0.36 | 0.17 | 0.10 | 0.03 | |
| 30 | 0.04 | | 0.21 | 0.05 | 0.15 | 0.33 | 0.28 | 0.26 | 0.18 | 0.17 | 0.06 | 0.04 | |
| 31 | 0.10 | | 0.20 | | 0.16 | | 0.28 | 0.27 | | 0.12 | | 0.04 | |

(Daily Kc values)
Alfalfa- perennial

Sheet E: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.612 | 0.654 | 1.020 | 0.805 | 0.538 | 0.468 | 0.340 | 1.020 | 1.020 | 1.020 | 0.724 | 1.020 |
| 2 | 0.646 | 0.680 | 1.020 | 0.841 | 0.567 | 0.510 | 0.340 | 1.020 | 1.020 | 1.020 | 0.754 | 1.020 |
| 3 | 0.680 | 0.706 | 1.020 | 0.877 | 0.595 | 0.553 | 0.340 | 1.020 | 1.020 | 1.020 | 0.783 | 1.020 |
| 4 | 0.714 | 0.732 | 1.020 | 0.913 | 0.623 | 0.595 | 0.340 | 1.020 | 1.020 | 1.020 | 0.813 | 1.020 |
| 5 | 0.748 | 0.758 | 1.020 | 0.948 | 0.652 | 0.638 | 0.385 | 0.340 | 1.020 | 1.020 | 0.843 | 1.020 |
| 6 | 0.782 | 0.785 | 1.020 | 0.984 | 0.680 | 0.680 | 0.431 | 0.340 | 1.020 | 1.020 | 0.872 | 1.020 |
| 7 | 0.816 | 0.811 | 1.020 | 1.020 | 0.708 | 0.723 | 0.476 | 0.340 | 1.020 | 1.020 | 0.902 | 1.020 |
| 8 | 0.850 | 0.837 | 1.020 | 1.020 | 0.737 | 0.765 | 0.521 | 0.340 | 1.020 | 1.020 | 0.931 | 1.020 |
| 9 | 0.884 | 0.863 | 1.020 | 1.020 | 0.765 | 0.808 | 0.567 | 0.385 | 1.020 | 1.020 | 0.961 | 1.020 |
| 10 | 0.918 | 0.889 | 1.020 | 1.020 | 0.793 | 0.850 | 0.612 | 0.431 | 0.340 | 1.020 | 0.990 | 1.020 |
| 11 | 0.952 | 0.915 | 1.020 | 1.020 | 0.822 | 0.893 | 0.657 | 0.476 | 0.340 | 1.020 | 1.020 | 1.020 |
| 12 | 0.986 | 0.942 | 1.020 | 1.020 | 0.850 | 0.935 | 0.703 | 0.521 | 0.340 | 1.020 | 1.020 | 1.020 |
| 13 | 1.020 | 0.968 | 1.020 | 1.020 | 0.878 | 0.978 | 0.748 | 0.567 | 0.340 | 1.020 | 1.020 | 1.020 |
| 14 | 1.020 | 0.994 | 1.020 | 1.020 | 0.907 | 1.020 | 0.793 | 0.612 | 0.385 | 1.020 | 1.020 | 1.020 |
| 15 | 0.340 | 1.020 | 1.020 | 1.020 | 0.935 | 1.020 | 0.839 | 0.657 | 0.431 | 1.020 | 1.020 | 1.020 |
| 16 | 0.340 | 1.020 | 0.340 | 1.020 | 0.963 | 1.020 | 0.884 | 0.703 | 0.476 | 0.340 | 1.020 | 1.020 |
| 17 | 0.340 | 1.020 | 0.340 | 1.020 | 0.992 | 1.020 | 0.929 | 0.748 | 0.521 | 0.340 | 1.020 | 1.020 |
| 18 | 0.340 | 1.020 | 0.340 | 1.020 | 1.020 | 1.020 | 0.975 | 0.793 | 0.567 | 0.340 | 1.020 | 0.340 |
| 19 | 0.340 | 1.020 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.839 | 0.612 | 0.340 | 1.020 | 0.340 |
| 20 | 0.340 | 1.020 | 0.376 | 1.020 | 1.020 | 1.020 | 1.020 | 0.884 | 0.657 | 0.370 | 1.020 | 0.340 |
| 21 | 0.366 | 1.020 | 0.412 | 0.340 | 1.020 | 1.020 | 1.020 | 0.929 | 0.703 | 0.399 | 1.020 | 0.340 |
| 22 | 0.392 | 1.020 | 0.447 | 0.340 | 1.020 | 1.020 | 1.020 | 0.975 | 0.748 | 0.429 | 1.020 | 0.340 |
| 23 | 0.418 | 1.020 | 0.483 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.793 | 0.458 | 1.020 | 0.340 |
| 24 | 0.445 | 1.020 | 0.519 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.839 | 0.488 | 1.020 | 0.340 |
| 25 | 0.471 | 1.020 | 0.555 | 0.368 | 1.020 | 1.020 | 1.020 | 1.020 | 0.884 | 0.517 | 1.020 | 0.374 |
| 26 | 0.497 | 1.020 | 0.591 | 0.397 | 0.340 | 1.020 | 1.020 | 1.020 | 0.929 | 0.547 | 1.020 | 0.408 |
| 27 | 0.523 | 1.020 | 0.626 | 0.425 | 0.340 | 1.020 | 1.020 | 1.020 | 0.975 | 0.577 | 1.020 | 0.442 |
| 28 | 0.549 | 1.020 | 0.662 | 0.453 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.606 | 1.020 | 0.476 |
| 29 | 0.575 | | 0.698 | 0.482 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.636 | 1.020 | 0.510 |
| 30 | 0.602 | | 0.734 | 0.510 | 0.383 | 1.020 | 1.020 | 1.020 | 1.020 | 0.665 | 1.020 | 0.544 |
| 31 | 0.628 | | 0.769 | | 0.425 | | 1.020 | 1.020 | | 0.695 | | 0.578 |

ET calculations for Sheet F: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Alfalfa-1b annual)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa- annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.06 | 0.13 | 0.06 | 0.09 | 0.27 | 0.11 | 0.12 | 0.23 | 0.14 | 0.16 | 0.10 | |
| 2 | 0.05 | 0.09 | 0.13 | 0.04 | 0.14 | 0.28 | 0.12 | 0.09 | 0.21 | 0.16 | 0.10 | 0.10 | |
| 3 | 0.06 | 0.06 | 0.22 | 0.06 | 0.16 | 0.26 | 0.12 | 0.12 | 0.18 | 0.13 | 0.10 | 0.14 | |
| 4 | 0.05 | -0.01 | 0.16 | 0.04 | 0.12 | 0.20 | 0.10 | 0.12 | 0.17 | 0.13 | 0.08 | 0.15 | |
| 5 | 0.04 | -0.05 | 0.13 | 0.06 | 0.19 | 0.26 | 0.09 | 0.13 | 0.18 | 0.14 | 0.09 | 0.08 | |
| 6 | 0.02 | 0.04 | 0.18 | 0.07 | 0.16 | 0.31 | 0.08 | 0.16 | 0.17 | 0.21 | 0.15 | 0.08 | |
| 7 | 0.02 | 0.03 | 0.15 | 0.05 | 0.16 | 0.30 | 0.08 | 0.14 | 0.18 | 0.26 | 0.08 | 0.12 | |
| 8 | 0.05 | 0.04 | 0.12 | 0.06 | 0.19 | 0.29 | 0.06 | 0.14 | 0.18 | 0.25 | 0.09 | 0.16 | |
| 9 | 0.08 | 0.07 | 0.14 | 0.08 | 0.16 | 0.27 | 0.09 | 0.14 | 0.11 | 0.15 | 0.12 | 0.06 | |
| 10 | 0.05 | 0.09 | 0.12 | 0.07 | 0.15 | 0.28 | 0.09 | 0.13 | 0.19 | 0.15 | 0.08 | 0.13 | |
| 11 | 0.02 | 0.08 | 0.15 | 0.06 | 0.18 | 0.27 | 0.06 | 0.14 | 0.20 | 0.15 | 0.13 | 0.20 | |
| 12 | 0.04 | 0.11 | 0.20 | 0.07 | 0.20 | 0.28 | 0.05 | 0.13 | 0.24 | 0.16 | 0.15 | 0.14 | |
| 13 | 0.05 | 0.08 | 0.15 | 0.06 | 0.25 | 0.29 | 0.06 | 0.15 | 0.22 | 0.19 | 0.15 | 0.10 | |
| 14 | 0.08 | 0.08 | 0.14 | 0.12 | 0.22 | 0.36 | 0.09 | 0.14 | 0.23 | 0.14 | 0.12 | 0.19 | |
| 15 | 0.03 | 0.09 | 0.21 | 0.17 | 0.18 | 0.37 | 0.09 | 0.16 | 0.07 | 0.14 | 0.03 | 0.22 | |
| 16 | 0.03 | 0.06 | 0.14 | 0.14 | 0.22 | 0.11 | 0.11 | 0.14 | 0.07 | 0.33 | 0.02 | 0.16 | |
| 17 | 0.02 | 0.07 | 0.05 | 0.08 | 0.17 | 0.11 | 0.10 | 0.16 | 0.07 | 0.32 | 0.03 | 0.16 | |
| 18 | 0.03 | 0.09 | 0.05 | 0.08 | 0.20 | 0.11 | 0.10 | 0.17 | 0.11 | 0.14 | 0.06 | 0.08 | |
| 19 | 0.05 | 0.13 | 0.05 | 0.11 | 0.22 | 0.09 | 0.10 | 0.13 | 0.09 | 0.24 | 0.03 | 0.17 | |
| 20 | 0.06 | 0.17 | 0.08 | 0.11 | 0.22 | 0.10 | 0.11 | 0.14 | 0.09 | 0.21 | 0.03 | 0.18 | |
| 21 | 0.09 | 0.08 | 0.06 | 0.11 | 0.21 | 0.13 | 0.10 | 0.16 | 0.10 | 0.21 | 0.06 | 0.17 | |
| 22 | 0.05 | 0.17 | 0.05 | 0.14 | 0.23 | 0.09 | 0.10 | 0.19 | 0.05 | 0.16 | 0.07 | 0.24 | |
| 23 | 0.04 | 0.14 | 0.06 | 0.07 | 0.17 | 0.09 | 0.11 | 0.12 | 0.09 | 0.12 | 0.07 | 0.25 | |
| 24 | 0.03 | 0.09 | 0.06 | 0.03 | 0.15 | 0.09 | 0.12 | 0.18 | 0.10 | 0.11 | 0.10 | 0.18 | |
| 25 | 0.04 | 0.12 | 0.05 | 0.07 | 0.18 | 0.10 | 0.12 | 0.19 | 0.11 | 0.12 | 0.08 | 0.16 | |
| 26 | -0.02 | 0.14 | 0.08 | 0.11 | 0.20 | 0.10 | 0.11 | 0.17 | 0.12 | 0.10 | 0.05 | 0.11 | |
| 27 | 0.03 | 0.10 | 0.07 | 0.15 | 0.24 | 0.10 | 0.06 | 0.20 | 0.14 | 0.10 | 0.03 | 0.16 | |
| 28 | 0.07 | 0.11 | 0.05 | 0.14 | 0.26 | 0.10 | 0.08 | 0.19 | 0.28 | 0.16 | 0.04 | 0.11 | |
| 29 | 0.08 | | 0.07 | 0.04 | 0.33 | 0.10 | 0.08 | 0.18 | 0.25 | 0.27 | 0.07 | 0.06 | |
| 30 | 0.03 | | 0.09 | 0.04 | 0.29 | 0.10 | 0.12 | 0.20 | 0.13 | 0.27 | 0.04 | 0.07 | |
| 31 | 0.07 | | 0.08 | | 0.29 | | 0.12 | 0.21 | | 0.17 | | 0.06 | |

(Daily Kc values)
Alfalfa- annual

Sheet F: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.305 | 0.458 | 0.775 | 0.304 | 0.441 | 0.790 | 0.304 | 0.449 | 0.804 | 0.783 | 1.020 | 0.748 |
| 2 | 0.307 | 0.466 | 0.790 | 0.305 | 0.449 | 0.804 | 0.305 | 0.458 | 0.819 | 0.813 | 1.020 | 0.782 |
| 3 | 0.309 | 0.475 | 0.804 | 0.307 | 0.458 | 0.819 | 0.307 | 0.466 | 0.835 | 0.843 | 1.020 | 0.816 |
| 4 | 0.311 | 0.483 | 0.819 | 0.309 | 0.466 | 0.835 | 0.309 | 0.475 | 0.850 | 0.872 | 1.020 | 0.850 |
| 5 | 0.313 | 0.492 | 0.835 | 0.311 | 0.475 | 0.850 | 0.311 | 0.483 | 0.866 | 0.902 | 1.020 | 0.884 |
| 6 | 0.316 | 0.502 | 0.850 | 0.313 | 0.483 | 0.866 | 0.313 | 0.492 | 0.881 | 0.931 | 1.020 | 0.918 |
| 7 | 0.318 | 0.511 | 0.866 | 0.316 | 0.492 | 0.881 | 0.316 | 0.502 | 0.897 | 0.961 | 1.020 | 0.952 |
| 8 | 0.321 | 0.521 | 0.881 | 0.318 | 0.502 | 0.897 | 0.318 | 0.511 | 0.914 | 0.990 | 1.020 | 0.986 |
| 9 | 0.325 | 0.531 | 0.897 | 0.321 | 0.511 | 0.914 | 0.321 | 0.521 | 0.930 | 1.020 | 1.020 | 1.020 |
| 10 | 0.328 | 0.541 | 0.914 | 0.325 | 0.521 | 0.930 | 0.325 | 0.531 | 0.947 | 1.020 | 1.020 | 1.020 |
| 11 | 0.332 | 0.551 | 0.930 | 0.328 | 0.531 | 0.947 | 0.328 | 0.541 | 0.964 | 1.020 | 1.020 | 1.020 |
| 12 | 0.335 | 0.562 | 0.947 | 0.332 | 0.541 | 0.964 | 0.332 | 0.551 | 0.981 | 1.020 | 1.020 | 1.020 |
| 13 | 0.339 | 0.573 | 0.964 | 0.335 | 0.551 | 0.981 | 0.335 | 0.562 | 0.998 | 1.020 | 1.020 | 1.020 |
| 14 | 0.344 | 0.584 | 0.981 | 0.339 | 0.562 | 0.998 | 0.339 | 0.573 | 1.016 | 1.020 | 1.020 | 1.020 |
| 15 | 0.348 | 0.595 | 0.998 | 0.344 | 0.573 | 1.016 | 0.344 | 0.584 | 0.340 | 1.020 | 0.340 | 1.020 |
| 16 | 0.353 | 0.606 | 1.016 | 0.348 | 0.584 | 0.309 | 0.348 | 0.595 | 0.340 | 1.020 | 0.340 | 1.020 |
| 17 | 0.358 | 0.618 | 0.309 | 0.353 | 0.595 | 0.307 | 0.353 | 0.606 | 0.370 | 1.020 | 0.340 | 1.020 |
| 18 | 0.363 | 0.630 | 0.307 | 0.358 | 0.606 | 0.305 | 0.358 | 0.618 | 0.399 | 1.020 | 0.340 | 1.020 |
| 19 | 0.368 | 0.642 | 0.305 | 0.363 | 0.618 | 0.304 | 0.363 | 0.630 | 0.429 | 1.020 | 0.340 | 1.020 |
| 20 | 0.374 | 0.654 | 0.304 | 0.368 | 0.630 | 0.303 | 0.368 | 0.642 | 0.458 | 1.020 | 0.374 | 1.020 |
| 21 | 0.380 | 0.667 | 0.303 | 0.374 | 0.642 | 0.302 | 0.374 | 0.654 | 0.488 | 1.020 | 0.408 | 1.020 |
| 22 | 0.386 | 0.680 | 0.302 | 0.380 | 0.654 | 0.301 | 0.380 | 0.667 | 0.517 | 1.020 | 0.442 | 1.020 |
| 23 | 0.392 | 0.693 | 0.301 | 0.386 | 0.667 | 0.300 | 0.386 | 0.680 | 0.547 | 1.020 | 0.476 | 1.020 |
| 24 | 0.398 | 0.706 | 0.300 | 0.392 | 0.680 | 0.300 | 0.392 | 0.693 | 0.577 | 1.020 | 0.510 | 1.020 |
| 25 | 0.405 | 0.719 | 0.300 | 0.398 | 0.693 | 0.300 | 0.398 | 0.706 | 0.606 | 1.020 | 0.544 | 1.020 |
| 26 | 0.412 | 0.733 | 0.300 | 0.405 | 0.706 | 0.300 | 0.405 | 0.719 | 0.636 | 1.020 | 0.578 | 1.020 |
| 27 | 0.419 | 0.747 | 0.300 | 0.412 | 0.719 | 0.300 | 0.412 | 0.733 | 0.665 | 1.020 | 0.612 | 1.020 |
| 28 | 0.426 | 0.761 | 0.300 | 0.419 | 0.733 | 0.301 | 0.419 | 0.747 | 0.695 | 1.020 | 0.646 | 1.020 |
| 29 | 0.434 | | 0.301 | 0.426 | 0.747 | 0.302 | 0.426 | 0.761 | 0.724 | 1.020 | 0.680 | 1.020 |
| 30 | 0.441 | | 0.302 | 0.434 | 0.761 | 0.303 | 0.434 | 0.775 | 0.754 | 1.020 | 0.714 | 1.020 |
| 31 | 0.449 | | 0.303 | | 0.775 | | 0.441 | 0.790 | | 1.020 | | 1.020 |

ET calculations for Sheet G: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Alfalfa-1c seed)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa- seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.07 | 0.11 | 0.18 | 0.10 | 0.22 | 0.14 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 2 | 0.07 | 0.16 | 0.18 | 0.08 | 0.34 | 0.14 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 3 | 0.08 | 0.10 | 0.29 | 0.11 | 0.37 | 0.13 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 4 | 0.06 | 0.02 | 0.22 | 0.07 | 0.29 | 0.10 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 5 | 0.05 | -0.03 | 0.17 | 0.12 | 0.44 | 0.13 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 6 | 0.03 | 0.06 | 0.23 | 0.13 | 0.35 | 0.15 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 7 | 0.02 | 0.06 | 0.18 | 0.11 | 0.35 | 0.14 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 8 | 0.07 | 0.07 | 0.15 | 0.13 | 0.41 | 0.14 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 9 | 0.10 | 0.13 | 0.17 | 0.17 | 0.35 | 0.14 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| 10 | 0.07 | 0.15 | 0.14 | 0.16 | 0.32 | 0.14 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 11 | 0.03 | 0.14 | 0.18 | 0.13 | 0.37 | 0.14 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | |
| 12 | 0.06 | 0.20 | 0.23 | 0.15 | 0.40 | 0.15 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 13 | 0.07 | 0.14 | 0.17 | 0.14 | 0.49 | 0.15 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 14 | 0.11 | 0.14 | 0.15 | 0.27 | 0.42 | 0.19 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | |
| 15 | 0.05 | 0.16 | 0.23 | 0.38 | 0.34 | 0.20 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | |
| 16 | 0.04 | 0.11 | 0.06 | 0.31 | 0.41 | 0.21 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 17 | 0.03 | 0.12 | 0.06 | 0.18 | 0.31 | 0.21 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 18 | 0.05 | 0.15 | 0.06 | 0.20 | 0.35 | 0.21 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 19 | 0.07 | 0.22 | 0.06 | 0.26 | 0.39 | 0.20 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 20 | 0.10 | 0.28 | 0.11 | 0.27 | 0.38 | 0.20 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 21 | 0.15 | 0.14 | 0.08 | 0.26 | 0.35 | 0.28 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 22 | 0.08 | 0.27 | 0.07 | 0.33 | 0.38 | 0.21 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | |
| 23 | 0.07 | 0.21 | 0.09 | 0.17 | 0.28 | 0.20 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | |
| 24 | 0.05 | 0.14 | 0.08 | 0.08 | 0.24 | 0.22 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 25 | 0.07 | 0.18 | 0.08 | 0.18 | 0.29 | 0.24 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 26 | 0.00 | 0.21 | 0.12 | 0.26 | 0.31 | 0.25 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 27 | 0.05 | 0.15 | 0.10 | 0.36 | 0.36 | 0.24 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 28 | 0.11 | 0.15 | 0.08 | 0.33 | 0.39 | 0.26 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 29 | 0.14 | | 0.11 | 0.10 | 0.18 | 0.27 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| 30 | 0.05 | | 0.14 | 0.10 | 0.16 | 0.26 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 31 | 0.12 | | 0.14 | | 0.15 | | 0.30 | 0.00 | | 0.00 | | 0.03 | |

(Daily Kc values)

Sheet G: Page 2 of 2

1999 CROP ET

Alfalfa- seed

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.409 | 0.798 | 1.086 | 0.544 | 1.052 | 0.409 | 0.832 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 2 | 0.409 | 0.815 | 1.086 | 0.561 | 1.069 | 0.409 | 0.849 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 3 | 0.409 | 0.832 | 1.086 | 0.578 | 1.086 | 0.409 | 0.866 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 4 | 0.409 | 0.849 | 1.086 | 0.595 | 1.086 | 0.409 | 0.883 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 5 | 0.409 | 0.866 | 1.086 | 0.612 | 1.086 | 0.409 | 0.899 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 6 | 0.409 | 0.883 | 1.086 | 0.629 | 1.086 | 0.409 | 0.916 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 7 | 0.409 | 0.899 | 1.086 | 0.646 | 1.086 | 0.426 | 0.933 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 8 | 0.409 | 0.916 | 1.086 | 0.663 | 1.086 | 0.443 | 0.950 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 9 | 0.409 | 0.933 | 1.086 | 0.680 | 1.086 | 0.460 | 0.967 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 10 | 0.426 | 0.950 | 1.086 | 0.696 | 1.086 | 0.477 | 0.984 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 11 | 0.443 | 0.967 | 1.086 | 0.713 | 1.086 | 0.493 | 1.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 12 | 0.460 | 0.984 | 1.086 | 0.730 | 1.086 | 0.510 | 1.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 13 | 0.477 | 1.001 | 1.086 | 0.747 | 1.086 | 0.527 | 1.035 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 14 | 0.493 | 1.018 | 1.086 | 0.764 | 1.086 | 0.544 | 1.052 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 15 | 0.510 | 1.035 | 1.086 | 0.781 | 1.086 | 0.561 | 1.069 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 16 | 0.527 | 1.052 | 0.409 | 0.798 | 1.086 | 0.578 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 17 | 0.544 | 1.069 | 0.409 | 0.815 | 1.086 | 0.595 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 18 | 0.561 | 1.086 | 0.409 | 0.832 | 1.086 | 0.612 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 19 | 0.578 | 1.086 | 0.409 | 0.849 | 1.086 | 0.629 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 20 | 0.595 | 1.086 | 0.409 | 0.866 | 1.086 | 0.646 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 21 | 0.612 | 1.086 | 0.409 | 0.883 | 1.086 | 0.663 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 22 | 0.629 | 1.086 | 0.409 | 0.899 | 1.086 | 0.680 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 23 | 0.646 | 1.086 | 0.409 | 0.916 | 1.086 | 0.696 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 24 | 0.663 | 1.086 | 0.409 | 0.933 | 1.086 | 0.713 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 25 | 0.680 | 1.086 | 0.426 | 0.950 | 1.086 | 0.730 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 26 | 0.696 | 1.086 | 0.443 | 0.967 | 1.086 | 0.747 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 27 | 0.713 | 1.086 | 0.460 | 0.984 | 1.086 | 0.764 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 28 | 0.730 | 1.086 | 0.477 | 1.001 | 1.086 | 0.781 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 29 | 0.747 | | 0.493 | 1.018 | 0.409 | 0.798 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 30 | 0.764 | | 0.510 | 1.035 | 0.409 | 0.815 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 31 | 0.781 | | 0.527 | | 0.409 | | 1.086 | 0.000 | | 0.000 | | 0.409 |

ET calculations for
Mojave Valley - Mohave AZMET and Bullhead City NWS stations
(Sheet to calculate ET for Cotton)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | 0.20 | 0.24 | 0.32 | 0.20 | 0.08 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.10 | 0.22 | 0.17 | 0.28 | 0.22 | 0.05 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.10 | 0.23 | 0.24 | 0.24 | 0.18 | 0.05 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.20 | 0.23 | 0.23 | 0.17 | 0.03 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.10 | 0.17 | 0.25 | 0.23 | 0.18 | 0.04 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.12 | 0.16 | 0.30 | 0.22 | 0.25 | 0.06 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.11 | 0.16 | 0.25 | 0.22 | 0.30 | 0.03 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.11 | 0.11 | 0.25 | 0.22 | 0.26 | 0.03 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.11 | 0.18 | 0.25 | 0.13 | 0.16 | 0.04 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.11 | 0.18 | 0.24 | 0.22 | 0.15 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.11 | 0.12 | 0.24 | 0.23 | 0.15 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.11 | 0.09 | 0.23 | 0.28 | 0.15 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.05 | 0.11 | 0.12 | 0.12 | 0.25 | 0.24 | 0.18 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.09 | 0.10 | 0.15 | 0.17 | 0.25 | 0.25 | 0.13 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.12 | 0.08 | 0.15 | 0.19 | 0.27 | 0.23 | 0.13 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.10 | 0.10 | 0.16 | 0.22 | 0.23 | 0.24 | 0.28 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.15 | 0.21 | 0.26 | 0.22 | 0.27 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.06 | 0.08 | 0.15 | 0.20 | 0.28 | 0.29 | 0.12 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.14 | 0.21 | 0.21 | 0.22 | 0.19 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.15 | 0.22 | 0.23 | 0.22 | 0.16 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.20 | 0.21 | 0.25 | 0.23 | 0.16 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.09 | 0.09 | 0.15 | 0.21 | 0.31 | 0.10 | 0.11 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.14 | 0.22 | 0.20 | 0.18 | 0.09 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.02 | 0.06 | 0.15 | 0.24 | 0.28 | 0.19 | 0.07 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.17 | 0.24 | 0.29 | 0.20 | 0.08 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.17 | 0.23 | 0.27 | 0.20 | 0.07 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.09 | 0.08 | 0.17 | 0.12 | 0.30 | 0.23 | 0.06 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.18 | 0.16 | 0.28 | 0.44 | 0.09 | 0.00 | 0.00 | |
| 29 | 0.00 | 0.00 | 0.00 | 0.02 | 0.11 | 0.18 | 0.15 | 0.26 | 0.39 | 0.15 | 0.00 | 0.00 | |
| 30 | 0.00 | 0.00 | 0.00 | 0.02 | 0.10 | 0.18 | 0.23 | 0.28 | 0.19 | 0.14 | 0.00 | 0.00 | |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.23 | 0.30 | 0.00 | 0.09 | 0.00 | 0.00 | |

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.281 | 0.568 | 0.866 | 1.115 | 1.115 | 0.506 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.290 | 0.578 | 0.875 | 1.115 | 1.115 | 0.483 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.300 | 0.588 | 0.885 | 1.115 | 1.115 | 0.459 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.309 | 0.597 | 0.894 | 1.115 | 1.115 | 0.436 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.319 | 0.607 | 0.904 | 1.115 | 1.115 | 0.413 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.329 | 0.616 | 0.914 | 1.115 | 1.115 | 0.389 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.338 | 0.626 | 0.923 | 1.115 | 1.092 | 0.366 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.348 | 0.636 | 0.933 | 1.115 | 1.068 | 0.342 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.357 | 0.645 | 0.942 | 1.115 | 1.045 | 0.319 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.367 | 0.655 | 0.952 | 1.115 | 1.021 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.377 | 0.664 | 0.962 | 1.115 | 0.998 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.386 | 0.674 | 0.971 | 1.115 | 0.975 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.396 | 0.683 | 0.981 | 1.115 | 0.951 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.405 | 0.693 | 0.990 | 1.115 | 0.928 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.415 | 0.703 | 1.000 | 1.115 | 0.904 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.425 | 0.712 | 1.010 | 1.115 | 0.881 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.434 | 0.722 | 1.019 | 1.115 | 0.858 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.444 | 0.731 | 1.029 | 1.115 | 0.834 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.453 | 0.741 | 1.038 | 1.115 | 0.811 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.463 | 0.751 | 1.048 | 1.115 | 0.787 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.472 | 0.760 | 1.058 | 1.115 | 0.764 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.482 | 0.770 | 1.067 | 1.115 | 0.740 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.492 | 0.779 | 1.077 | 1.115 | 0.717 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.501 | 0.789 | 1.086 | 1.115 | 0.694 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.511 | 0.799 | 1.096 | 1.115 | 0.670 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.520 | 0.808 | 1.105 | 1.115 | 0.647 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.530 | 0.818 | 1.115 | 1.115 | 0.623 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.540 | 0.827 | 1.115 | 1.115 | 0.600 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.252 | 0.252 | 0.549 | 0.837 | 1.115 | 1.115 | 0.577 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.252 | 0.261 | 0.559 | 0.847 | 1.115 | 1.115 | 0.553 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.271 | | 0.856 | 1.115 | | 0.530 | | 0.000 |

ET calculations for Sheet I: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Small Grains includes oats, rye, barley, millet, and wheat)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.06 | 0.11 | 0.18 | 0.21 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.07 | 0.16 | 0.18 | 0.17 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.08 | 0.11 | 0.31 | 0.22 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.07 | 0.03 | 0.23 | 0.14 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.06 | -0.03 | 0.18 | 0.22 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.04 | 0.06 | 0.24 | 0.24 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.03 | 0.06 | 0.19 | 0.19 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.08 | 0.07 | 0.16 | 0.22 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.12 | 0.13 | 0.18 | 0.28 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.08 | 0.15 | 0.15 | 0.26 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 11 | 0.03 | 0.15 | 0.19 | 0.22 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 12 | 0.07 | 0.20 | 0.24 | 0.23 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 13 | 0.08 | 0.14 | 0.18 | 0.22 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 14 | 0.13 | 0.15 | 0.16 | 0.41 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 15 | 0.05 | 0.16 | 0.24 | 0.55 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 16 | 0.04 | 0.11 | 0.16 | 0.45 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 17 | 0.04 | 0.12 | 0.18 | 0.26 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 18 | 0.06 | 0.15 | 0.17 | 0.27 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 19 | 0.08 | 0.22 | 0.17 | 0.36 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 20 | 0.11 | 0.29 | 0.30 | 0.35 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 21 | 0.16 | 0.14 | 0.21 | 0.33 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 22 | 0.09 | 0.28 | 0.19 | 0.40 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | |
| 23 | 0.07 | 0.22 | 0.24 | 0.20 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | |
| 24 | 0.06 | 0.14 | 0.21 | 0.09 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 25 | 0.08 | 0.19 | 0.20 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 26 | 0.00 | 0.22 | 0.31 | 0.27 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 27 | 0.05 | 0.15 | 0.25 | 0.36 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 28 | 0.12 | 0.16 | 0.20 | 0.31 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 29 | 0.14 | | 0.25 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| 30 | 0.06 | | 0.32 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| 31 | 0.13 | | 0.30 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | 0.02 | |

(Daily Kc values)

Sheet I: Page 2 of 2

1999 CROP ET

Small Grain

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.381 | 0.835 | 1.142 | 1.142 | 0.876 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.396 | 0.849 | 1.142 | 1.142 | 0.852 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.411 | 0.864 | 1.142 | 1.142 | 0.828 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.425 | 0.879 | 1.142 | 1.142 | 0.804 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.440 | 0.893 | 1.142 | 1.142 | 0.780 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.454 | 0.908 | 1.142 | 1.142 | 0.756 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.469 | 0.923 | 1.142 | 1.142 | 0.731 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.484 | 0.937 | 1.142 | 1.142 | 0.707 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.498 | 0.952 | 1.142 | 1.142 | 0.683 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.513 | 0.966 | 1.142 | 1.142 | 0.659 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 11 | 0.528 | 0.981 | 1.142 | 1.142 | 0.635 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 12 | 0.542 | 0.996 | 1.142 | 1.142 | 0.611 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 13 | 0.557 | 1.010 | 1.142 | 1.142 | 0.586 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 14 | 0.571 | 1.025 | 1.142 | 1.142 | 0.562 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 15 | 0.586 | 1.040 | 1.142 | 1.142 | 0.538 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 16 | 0.601 | 1.054 | 1.142 | 1.142 | 0.514 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 17 | 0.615 | 1.069 | 1.142 | 1.142 | 0.490 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 18 | 0.630 | 1.084 | 1.142 | 1.142 | 0.466 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 19 | 0.645 | 1.098 | 1.142 | 1.142 | 0.441 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 20 | 0.659 | 1.113 | 1.142 | 1.142 | 0.417 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 21 | 0.674 | 1.127 | 1.142 | 1.118 | 0.393 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 22 | 0.689 | 1.142 | 1.142 | 1.094 | 0.369 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 23 | 0.703 | 1.142 | 1.142 | 1.070 | 0.345 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 24 | 0.718 | 1.142 | 1.142 | 1.045 | 0.321 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 25 | 0.732 | 1.142 | 1.142 | 1.021 | 0.296 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 26 | 0.747 | 1.142 | 1.142 | 0.997 | 0.272 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 27 | 0.762 | 1.142 | 1.142 | 0.973 | 0.248 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 28 | 0.776 | 1.142 | 1.142 | 0.949 | 0.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 29 | 0.791 | | 1.142 | 0.925 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 30 | 0.806 | | 1.142 | 0.900 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.352 |
| 31 | 0.820 | | 1.142 | | 0.000 | | 0.000 | 0.000 | | 0.000 | | 0.367 |

ET calculations for Sheet J: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Field Grain includes field & sweet corn, sorghum, and milo)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|------|------|--------|-----------|---------|----------|----------|-------|
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.06 | 0.11 | 0.25 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.06 | 0.09 | 0.39 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.10 | 0.13 | 0.41 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.07 | 0.09 | 0.32 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.06 | 0.13 | 0.49 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.08 | 0.15 | 0.39 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.06 | 0.13 | 0.39 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.05 | 0.15 | 0.46 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.06 | 0.20 | 0.39 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.05 | 0.19 | 0.35 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.06 | 0.16 | 0.42 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.08 | 0.17 | 0.45 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.06 | 0.17 | 0.54 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.05 | 0.32 | 0.47 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.08 | 0.44 | 0.38 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.05 | 0.37 | 0.46 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.06 | 0.22 | 0.34 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.05 | 0.23 | 0.39 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.05 | 0.31 | 0.44 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.10 | 0.31 | 0.43 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.07 | 0.31 | 0.40 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.07 | 0.39 | 0.43 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.09 | 0.20 | 0.31 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.08 | 0.09 | 0.27 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.08 | 0.21 | 0.32 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.14 | 0.31 | 0.35 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.11 | 0.43 | 0.40 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.09 | 0.39 | 0.43 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.12 | 0.12 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.16 | 0.12 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.16 | | 0.45 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet J: Page 2 of 2

1999 CROP ET

Field Grain

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.367 | 0.621 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.367 | 0.642 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.367 | 0.663 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.367 | 0.685 | 1.213 | 1.178 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.367 | 0.706 | 1.213 | 1.142 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.367 | 0.727 | 1.213 | 1.107 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.367 | 0.748 | 1.213 | 1.071 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.367 | 0.769 | 1.213 | 1.035 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.367 | 0.790 | 1.213 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.367 | 0.811 | 1.213 | 0.964 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.367 | 0.833 | 1.213 | 0.929 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.367 | 0.854 | 1.213 | 0.893 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.367 | 0.875 | 1.213 | 0.858 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.367 | 0.896 | 1.213 | 0.822 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.367 | 0.917 | 1.213 | 0.786 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.367 | 0.938 | 1.213 | 0.751 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.367 | 0.960 | 1.213 | 0.715 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.367 | 0.981 | 1.213 | 0.680 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.367 | 1.002 | 1.213 | 0.644 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.367 | 1.023 | 1.213 | 0.609 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.388 | 1.044 | 1.213 | 0.573 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.410 | 1.065 | 1.213 | 0.537 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.431 | 1.086 | 1.213 | 0.502 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.452 | 1.108 | 1.213 | 0.466 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.473 | 1.129 | 1.213 | 0.431 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.494 | 1.150 | 1.213 | 0.395 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.515 | 1.171 | 1.213 | 0.360 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.536 | 1.192 | 1.213 | 0.324 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.558 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.579 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.600 | | 1.213 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Lettuce-6a early Sept 15 - Nov 28)

Sheet K: Page 1 of 2

1999 CROP ET

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Lettuce- early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.16 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.10 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.10 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.09 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.15 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.08 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.09 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.11 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.08 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.13 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.15 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.15 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.11 | 0.08 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.26 | 0.06 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.26 | 0.10 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.12 | 0.16 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.21 | 0.07 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.19 | 0.09 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.19 | 0.13 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.15 | 0.16 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.14 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.11 | 0.18 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.13 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.10 | 0.07 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.10 | 0.05 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.15 | 0.05 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.26 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.26 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.17 | | 0.00 | |

(Daily Kc values)

Sheet K: Page 2 of 2

1999 CROP ET

Lettuce- early

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.456 | 1.005 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.480 | 1.005 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.504 | 1.005 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.528 | 1.005 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.552 | 1.005 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.576 | 1.005 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.599 | 1.005 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.623 | 1.005 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.647 | 1.005 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.671 | 1.005 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.695 | 1.005 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.719 | 1.005 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.742 | 1.005 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.766 | 0.998 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.790 | 0.991 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.814 | 0.985 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.838 | 0.978 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.862 | 0.971 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.885 | 0.965 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.909 | 0.958 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.933 | 0.951 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.957 | 0.945 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.981 | 0.938 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.931 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.925 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.918 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.911 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.905 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.433 | 1.005 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 1.005 | | 0.000 |

ET calculations for Sheet L: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Lettuce-6b late Nov 15 - Jan 28)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Lettuce- late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 2 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 3 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | |
| 4 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | |
| 5 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 6 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 7 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | |
| 8 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | |
| 9 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 10 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | |
| 11 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | |
| 12 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | |
| 13 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 14 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | |
| 15 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.17 | |
| 16 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.13 | |
| 17 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.13 | |
| 18 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.06 | |
| 19 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.15 | |
| 20 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.17 | |
| 21 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.16 | |
| 22 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.23 | |
| 23 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.24 | |
| 24 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.18 | |
| 25 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.16 | |
| 26 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.11 | |
| 27 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.16 | |
| 28 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.11 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | 0.06 | |

(Daily Kc values)

Sheet L: Page 2 of 2

1999 CROP ET

Lettuce- late

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.451 |
| 2 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.475 |
| 3 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.500 |
| 4 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.524 |
| 5 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.548 |
| 6 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.573 |
| 7 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.597 |
| 8 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.622 |
| 9 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.646 |
| 10 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.671 |
| 11 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.695 |
| 12 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.720 |
| 13 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.744 |
| 14 | 1.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.769 |
| 15 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.793 |
| 16 | 0.993 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.818 |
| 17 | 0.987 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.842 |
| 18 | 0.980 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.867 |
| 19 | 0.973 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.891 |
| 20 | 0.967 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.915 |
| 21 | 0.960 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.940 |
| 22 | 0.953 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.964 |
| 23 | 0.947 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.989 |
| 24 | 0.940 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 25 | 0.933 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 26 | 0.927 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 27 | 0.920 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 28 | 0.913 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.426 | 1.013 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 0.000 | | 1.013 |

ET calculations for Sheet M: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Melons-7a spring Mar 15 - Jul 12)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|------|------|--------|-----------|---------|----------|----------|-------|
| Melons- spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.08 | 0.21 | 0.35 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.06 | 0.32 | 0.35 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.08 | 0.34 | 0.32 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.06 | 0.27 | 0.25 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.09 | 0.40 | 0.31 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.10 | 0.33 | 0.37 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.09 | 0.32 | 0.34 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.10 | 0.38 | 0.32 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.14 | 0.32 | 0.30 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.29 | 0.30 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.11 | 0.35 | 0.28 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.13 | 0.37 | 0.28 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.12 | 0.45 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.24 | 0.39 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.09 | 0.34 | 0.31 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.06 | 0.28 | 0.38 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.07 | 0.17 | 0.29 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.06 | 0.18 | 0.33 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.06 | 0.25 | 0.37 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.11 | 0.25 | 0.35 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.08 | 0.25 | 0.33 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.07 | 0.31 | 0.36 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.09 | 0.16 | 0.26 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.08 | 0.08 | 0.23 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.07 | 0.17 | 0.27 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.11 | 0.26 | 0.29 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.09 | 0.36 | 0.33 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.07 | 0.33 | 0.36 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.09 | 0.10 | 0.44 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.12 | 0.10 | 0.38 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.11 | | 0.37 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet M: Page 2 of 2

1999 CROP ET

Melons- spring

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.415 | 1.008 | 1.008 | 0.871 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.415 | 1.008 | 1.008 | 0.865 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.415 | 1.008 | 1.008 | 0.860 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.439 | 1.008 | 1.008 | 0.854 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.463 | 1.008 | 1.008 | 0.848 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.486 | 1.008 | 1.008 | 0.842 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.510 | 1.008 | 1.008 | 0.837 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.534 | 1.008 | 1.002 | 0.831 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.558 | 1.008 | 0.997 | 0.825 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.581 | 1.008 | 0.991 | 0.820 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.605 | 1.008 | 0.985 | 0.814 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.629 | 1.008 | 0.980 | 0.808 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.652 | 1.008 | 0.974 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.676 | 1.008 | 0.968 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.415 | 0.700 | 1.008 | 0.962 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.415 | 0.724 | 1.008 | 0.957 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.415 | 0.747 | 1.008 | 0.951 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.415 | 0.771 | 1.008 | 0.945 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.415 | 0.795 | 1.008 | 0.940 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.415 | 0.818 | 1.008 | 0.934 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.415 | 0.842 | 1.008 | 0.928 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.415 | 0.866 | 1.008 | 0.922 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.415 | 0.890 | 1.008 | 0.917 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.415 | 0.913 | 1.008 | 0.911 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.415 | 0.937 | 1.008 | 0.905 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.415 | 0.961 | 1.008 | 0.900 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.415 | 0.984 | 1.008 | 0.894 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.415 | 1.008 | 1.008 | 0.888 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.415 | 1.008 | 1.008 | 0.882 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.415 | 1.008 | 1.008 | 0.877 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.415 | | 1.008 | | 0.800 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet N: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Melons-7b fall Aug 20 - Dec 17)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Melons- fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.15 | 0.16 | 0.12 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.17 | 0.10 | 0.12 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.14 | 0.10 | 0.17 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.14 | 0.08 | 0.17 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.15 | 0.09 | 0.08 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.22 | 0.15 | 0.08 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.27 | 0.07 | 0.12 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.25 | 0.09 | 0.15 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.15 | 0.11 | 0.05 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.15 | 0.08 | 0.11 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | 0.13 | 0.17 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.16 | 0.15 | 0.12 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.19 | 0.15 | 0.08 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.14 | 0.11 | 0.16 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.14 | 0.08 | 0.17 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.32 | 0.06 | 0.12 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.31 | 0.10 | 0.13 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.14 | 0.17 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.23 | 0.07 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.13 | 0.21 | 0.09 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.14 | 0.21 | 0.14 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.06 | 0.15 | 0.17 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.12 | 0.15 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.13 | 0.11 | 0.19 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.13 | 0.12 | 0.14 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.14 | 0.10 | 0.08 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.16 | 0.10 | 0.06 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.32 | 0.15 | 0.06 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.29 | 0.26 | 0.10 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | 0.26 | 0.06 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.11 | | 0.17 | | 0.00 | |

(Daily Kc values)

Sheet N: Page 2 of 2

1999 CROP ET

Melons- fall

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.862 | 1.000 | 0.960 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.882 | 1.000 | 0.950 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.902 | 1.000 | 0.940 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.921 | 1.000 | 0.930 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.941 | 1.000 | 0.920 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.961 | 1.000 | 0.910 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.980 | 1.000 | 0.900 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.000 | 1.000 | 0.890 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.428 | 1.000 | 1.000 | 0.880 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.448 | 1.000 | 1.000 | 0.870 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.468 | 1.000 | 1.000 | 0.860 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.488 | 1.000 | 1.000 | 0.850 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.507 | 1.000 | 1.000 | 0.840 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.527 | 1.000 | 1.000 | 0.830 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.547 | 1.000 | 1.000 | 0.820 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.566 | 1.000 | 1.000 | 0.810 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.586 | 1.000 | 1.000 | 0.800 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.606 | 1.000 | 1.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.626 | 1.000 | 1.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.645 | 1.000 | 1.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.665 | 1.000 | 1.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.685 | 1.000 | 1.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.704 | 1.000 | 1.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.724 | 1.000 | 1.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.744 | 1.000 | 1.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.764 | 1.000 | 1.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.783 | 1.000 | 1.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.803 | 1.000 | 0.990 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.823 | 1.000 | 0.980 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.842 | 1.000 | 0.970 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.409 | | 1.000 | | 0.000 |

ET calculations for
Mojave Valley - Mohave AZMET and Bullhead City NWS stations
(Sheet to calculate ET for Bermuda Grass-8a)

Sheet O: Page 1 of 2

1999 CROP ET

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.08 | 0.14 | 0.30 | 0.30 | 0.24 | 0.24 | 0.14 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.07 | 0.22 | 0.30 | 0.33 | 0.17 | 0.21 | 0.16 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.09 | 0.24 | 0.27 | 0.33 | 0.23 | 0.18 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.06 | 0.20 | 0.21 | 0.29 | 0.22 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.08 | 0.30 | 0.26 | 0.24 | 0.23 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.09 | 0.25 | 0.31 | 0.22 | 0.28 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.08 | 0.25 | 0.29 | 0.22 | 0.23 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.09 | 0.31 | 0.27 | 0.15 | 0.23 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.11 | 0.27 | 0.26 | 0.24 | 0.22 | 0.10 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.10 | 0.25 | 0.26 | 0.23 | 0.21 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.08 | 0.29 | 0.24 | 0.16 | 0.21 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.09 | 0.32 | 0.25 | 0.12 | 0.20 | 0.20 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.08 | 0.39 | 0.25 | 0.16 | 0.22 | 0.18 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.16 | 0.33 | 0.31 | 0.22 | 0.21 | 0.18 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.27 | 0.31 | 0.23 | 0.23 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.17 | 0.32 | 0.31 | 0.27 | 0.20 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.10 | 0.24 | 0.30 | 0.25 | 0.22 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.11 | 0.28 | 0.30 | 0.24 | 0.23 | 0.22 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.14 | 0.31 | 0.27 | 0.25 | 0.17 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.14 | 0.30 | 0.27 | 0.25 | 0.19 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.14 | 0.28 | 0.36 | 0.24 | 0.20 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.18 | 0.30 | 0.27 | 0.24 | 0.24 | 0.07 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.09 | 0.22 | 0.25 | 0.25 | 0.15 | 0.13 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.04 | 0.19 | 0.26 | 0.26 | 0.21 | 0.14 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.10 | 0.23 | 0.29 | 0.26 | 0.22 | 0.14 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.16 | 0.25 | 0.28 | 0.24 | 0.20 | 0.15 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.22 | 0.28 | 0.27 | 0.12 | 0.23 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.20 | 0.31 | 0.28 | 0.16 | 0.21 | 0.32 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | 0.00 | 0.00 | 0.06 | 0.38 | 0.29 | 0.16 | 0.20 | 0.28 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | 0.00 | 0.00 | 0.06 | 0.33 | 0.28 | 0.23 | 0.21 | 0.14 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.23 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | |

Bermuda

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.448 | 0.674 | 0.858 | 0.858 | 0.855 | 0.832 | 0.808 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.448 | 0.694 | 0.858 | 0.858 | 0.855 | 0.831 | 0.808 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.448 | 0.714 | 0.858 | 0.858 | 0.854 | 0.830 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.448 | 0.735 | 0.858 | 0.858 | 0.853 | 0.829 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.448 | 0.755 | 0.858 | 0.858 | 0.852 | 0.828 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.448 | 0.776 | 0.858 | 0.858 | 0.852 | 0.828 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.448 | 0.796 | 0.858 | 0.858 | 0.851 | 0.827 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.448 | 0.817 | 0.858 | 0.858 | 0.850 | 0.826 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.448 | 0.837 | 0.858 | 0.858 | 0.849 | 0.825 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.848 | 0.825 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.848 | 0.824 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.847 | 0.823 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.846 | 0.822 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.845 | 0.822 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.845 | 0.821 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.844 | 0.820 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.843 | 0.819 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.842 | 0.818 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.842 | 0.818 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.841 | 0.817 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.469 | 0.858 | 0.858 | 0.858 | 0.840 | 0.816 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.489 | 0.858 | 0.858 | 0.858 | 0.839 | 0.815 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.510 | 0.858 | 0.858 | 0.858 | 0.838 | 0.815 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.530 | 0.858 | 0.858 | 0.858 | 0.838 | 0.814 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.551 | 0.858 | 0.858 | 0.858 | 0.837 | 0.813 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.571 | 0.858 | 0.858 | 0.858 | 0.836 | 0.812 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.592 | 0.858 | 0.858 | 0.858 | 0.835 | 0.812 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.612 | 0.858 | 0.858 | 0.858 | 0.835 | 0.811 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.633 | 0.858 | 0.858 | 0.858 | 0.834 | 0.810 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.653 | 0.858 | 0.858 | 0.857 | 0.833 | 0.809 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.858 | | 0.856 | 0.832 | | 0.000 | | 0.000 |

ET calculations for Sheet P: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Bermuda Grass overseeded with rye grass in winter-8b)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.15 | 0.12 | 0.14 | 0.08 | 0.14 | 0.30 | 0.30 | 0.24 | 0.24 | 0.14 | 0.13 | 0.12 | |
| 2 | 0.16 | 0.17 | 0.14 | 0.07 | 0.22 | 0.30 | 0.33 | 0.17 | 0.21 | 0.16 | 0.08 | 0.12 | |
| 3 | 0.18 | 0.11 | 0.23 | 0.09 | 0.24 | 0.27 | 0.33 | 0.23 | 0.18 | 0.00 | 0.08 | 0.16 | |
| 4 | 0.14 | 0.03 | 0.17 | 0.06 | 0.20 | 0.21 | 0.29 | 0.22 | 0.17 | 0.06 | 0.07 | 0.16 | |
| 5 | 0.12 | -0.03 | 0.13 | 0.08 | 0.30 | 0.26 | 0.24 | 0.23 | 0.17 | 0.07 | 0.08 | 0.08 | |
| 6 | 0.07 | 0.06 | 0.18 | 0.09 | 0.25 | 0.31 | 0.22 | 0.28 | 0.16 | 0.10 | 0.13 | 0.08 | |
| 7 | 0.05 | 0.06 | 0.14 | 0.08 | 0.25 | 0.29 | 0.22 | 0.23 | 0.16 | 0.11 | 0.07 | 0.12 | |
| 8 | 0.15 | 0.07 | 0.12 | 0.09 | 0.31 | 0.27 | 0.15 | 0.23 | 0.17 | 0.10 | 0.08 | 0.15 | |
| 9 | 0.21 | 0.12 | 0.13 | 0.11 | 0.27 | 0.26 | 0.24 | 0.22 | 0.10 | 0.06 | 0.10 | 0.05 | |
| 10 | 0.15 | 0.14 | 0.11 | 0.10 | 0.25 | 0.26 | 0.23 | 0.21 | 0.17 | 0.06 | 0.07 | 0.11 | |
| 11 | 0.06 | 0.13 | 0.14 | 0.08 | 0.29 | 0.24 | 0.16 | 0.21 | 0.17 | 0.06 | 0.11 | 0.18 | |
| 12 | 0.11 | 0.18 | 0.18 | 0.09 | 0.32 | 0.25 | 0.12 | 0.20 | 0.20 | 0.07 | 0.13 | 0.13 | |
| 13 | 0.14 | 0.12 | 0.13 | 0.08 | 0.39 | 0.25 | 0.16 | 0.22 | 0.18 | 0.08 | 0.13 | 0.09 | |
| 14 | 0.21 | 0.12 | 0.12 | 0.16 | 0.33 | 0.31 | 0.22 | 0.21 | 0.18 | 0.06 | 0.10 | 0.17 | |
| 15 | 0.08 | 0.14 | 0.17 | 0.22 | 0.27 | 0.31 | 0.23 | 0.23 | 0.17 | 0.07 | 0.07 | 0.19 | |
| 16 | 0.06 | 0.09 | 0.11 | 0.17 | 0.32 | 0.31 | 0.27 | 0.20 | 0.17 | 0.15 | 0.06 | 0.14 | |
| 17 | 0.05 | 0.10 | 0.13 | 0.10 | 0.24 | 0.30 | 0.25 | 0.22 | 0.16 | 0.16 | 0.09 | 0.14 | |
| 18 | 0.08 | 0.12 | 0.12 | 0.11 | 0.28 | 0.30 | 0.24 | 0.23 | 0.22 | 0.07 | 0.15 | 0.07 | |
| 19 | 0.11 | 0.18 | 0.12 | 0.14 | 0.31 | 0.27 | 0.25 | 0.17 | 0.16 | 0.13 | 0.07 | 0.15 | |
| 20 | 0.16 | 0.23 | 0.22 | 0.14 | 0.30 | 0.27 | 0.25 | 0.19 | 0.16 | 0.12 | 0.08 | 0.16 | |
| 21 | 0.22 | 0.11 | 0.15 | 0.14 | 0.28 | 0.36 | 0.24 | 0.20 | 0.17 | 0.12 | 0.13 | 0.15 | |
| 22 | 0.12 | 0.21 | 0.14 | 0.18 | 0.30 | 0.27 | 0.24 | 0.24 | 0.07 | 0.09 | 0.15 | 0.22 | |
| 23 | 0.09 | 0.17 | 0.17 | 0.09 | 0.22 | 0.25 | 0.25 | 0.15 | 0.13 | 0.08 | 0.14 | 0.22 | |
| 24 | 0.07 | 0.11 | 0.15 | 0.04 | 0.19 | 0.26 | 0.26 | 0.21 | 0.14 | 0.07 | 0.17 | 0.16 | |
| 25 | 0.10 | 0.14 | 0.14 | 0.10 | 0.23 | 0.29 | 0.26 | 0.22 | 0.14 | 0.08 | 0.13 | 0.14 | |
| 26 | 0.02 | 0.17 | 0.22 | 0.16 | 0.25 | 0.28 | 0.24 | 0.20 | 0.15 | 0.07 | 0.07 | 0.10 | |
| 27 | 0.06 | 0.11 | 0.18 | 0.22 | 0.28 | 0.27 | 0.12 | 0.23 | 0.17 | 0.07 | 0.05 | 0.15 | |
| 28 | 0.14 | 0.12 | 0.14 | 0.20 | 0.31 | 0.28 | 0.16 | 0.21 | 0.32 | 0.11 | 0.05 | 0.10 | |
| 29 | 0.16 | | 0.18 | 0.06 | 0.38 | 0.29 | 0.16 | 0.20 | 0.28 | 0.19 | 0.09 | 0.05 | |
| 30 | 0.06 | | 0.00 | 0.06 | 0.33 | 0.28 | 0.23 | 0.21 | 0.14 | 0.20 | 0.05 | 0.06 | |
| 31 | 0.14 | | 0.00 | | 0.32 | | 0.23 | 0.22 | | 0.13 | | 0.06 | |

(Daily Kc values)
Bermuda w/ rye

Sheet P: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.909 | 0.896 | 0.853 | 0.448 | 0.674 | 0.858 | 0.858 | 0.855 | 0.832 | 0.808 | 0.792 | 0.909 |
| 2 | 0.909 | 0.895 | 0.852 | 0.448 | 0.694 | 0.858 | 0.858 | 0.855 | 0.831 | 0.808 | 0.811 | 0.909 |
| 3 | 0.909 | 0.893 | 0.850 | 0.448 | 0.714 | 0.858 | 0.858 | 0.854 | 0.830 | 0.000 | 0.831 | 0.909 |
| 4 | 0.909 | 0.892 | 0.849 | 0.448 | 0.735 | 0.858 | 0.858 | 0.853 | 0.829 | 0.423 | 0.850 | 0.909 |
| 5 | 0.909 | 0.890 | 0.847 | 0.448 | 0.755 | 0.858 | 0.858 | 0.852 | 0.828 | 0.423 | 0.870 | 0.909 |
| 6 | 0.909 | 0.889 | 0.846 | 0.448 | 0.776 | 0.858 | 0.858 | 0.852 | 0.828 | 0.423 | 0.889 | 0.909 |
| 7 | 0.909 | 0.887 | 0.844 | 0.448 | 0.796 | 0.858 | 0.858 | 0.851 | 0.827 | 0.423 | 0.909 | 0.909 |
| 8 | 0.909 | 0.886 | 0.842 | 0.448 | 0.817 | 0.858 | 0.858 | 0.850 | 0.826 | 0.423 | 0.909 | 0.909 |
| 9 | 0.909 | 0.884 | 0.841 | 0.448 | 0.837 | 0.858 | 0.858 | 0.849 | 0.825 | 0.423 | 0.909 | 0.909 |
| 10 | 0.909 | 0.882 | 0.839 | 0.448 | 0.858 | 0.858 | 0.858 | 0.848 | 0.825 | 0.423 | 0.909 | 0.909 |
| 11 | 0.909 | 0.881 | 0.838 | 0.448 | 0.858 | 0.858 | 0.858 | 0.848 | 0.824 | 0.423 | 0.909 | 0.909 |
| 12 | 0.909 | 0.879 | 0.836 | 0.448 | 0.858 | 0.858 | 0.858 | 0.847 | 0.823 | 0.423 | 0.909 | 0.909 |
| 13 | 0.909 | 0.878 | 0.835 | 0.448 | 0.858 | 0.858 | 0.858 | 0.846 | 0.822 | 0.423 | 0.909 | 0.909 |
| 14 | 0.909 | 0.876 | 0.833 | 0.448 | 0.858 | 0.858 | 0.858 | 0.845 | 0.822 | 0.442 | 0.909 | 0.909 |
| 15 | 0.909 | 0.875 | 0.832 | 0.448 | 0.858 | 0.858 | 0.858 | 0.845 | 0.821 | 0.462 | 0.909 | 0.909 |
| 16 | 0.909 | 0.873 | 0.830 | 0.448 | 0.858 | 0.858 | 0.858 | 0.844 | 0.820 | 0.481 | 0.909 | 0.909 |
| 17 | 0.909 | 0.872 | 0.829 | 0.448 | 0.858 | 0.858 | 0.858 | 0.843 | 0.819 | 0.501 | 0.909 | 0.909 |
| 18 | 0.909 | 0.870 | 0.827 | 0.448 | 0.858 | 0.858 | 0.858 | 0.842 | 0.818 | 0.520 | 0.909 | 0.909 |
| 19 | 0.909 | 0.869 | 0.826 | 0.448 | 0.858 | 0.858 | 0.858 | 0.842 | 0.818 | 0.539 | 0.909 | 0.909 |
| 20 | 0.909 | 0.867 | 0.824 | 0.448 | 0.858 | 0.858 | 0.858 | 0.841 | 0.817 | 0.559 | 0.909 | 0.909 |
| 21 | 0.909 | 0.866 | 0.822 | 0.469 | 0.858 | 0.858 | 0.858 | 0.840 | 0.816 | 0.578 | 0.909 | 0.909 |
| 22 | 0.909 | 0.864 | 0.821 | 0.489 | 0.858 | 0.858 | 0.858 | 0.839 | 0.815 | 0.598 | 0.909 | 0.909 |
| 23 | 0.909 | 0.862 | 0.819 | 0.510 | 0.858 | 0.858 | 0.858 | 0.838 | 0.815 | 0.617 | 0.909 | 0.909 |
| 24 | 0.909 | 0.861 | 0.818 | 0.530 | 0.858 | 0.858 | 0.858 | 0.838 | 0.814 | 0.637 | 0.909 | 0.909 |
| 25 | 0.907 | 0.859 | 0.816 | 0.551 | 0.858 | 0.858 | 0.858 | 0.837 | 0.813 | 0.656 | 0.909 | 0.909 |
| 26 | 0.906 | 0.858 | 0.815 | 0.571 | 0.858 | 0.858 | 0.858 | 0.836 | 0.812 | 0.675 | 0.909 | 0.909 |
| 27 | 0.904 | 0.856 | 0.813 | 0.592 | 0.858 | 0.858 | 0.858 | 0.835 | 0.812 | 0.695 | 0.909 | 0.909 |
| 28 | 0.902 | 0.855 | 0.812 | 0.612 | 0.858 | 0.858 | 0.858 | 0.835 | 0.811 | 0.714 | 0.909 | 0.909 |
| 29 | 0.901 | | 0.810 | 0.633 | 0.858 | 0.858 | 0.858 | 0.834 | 0.810 | 0.734 | 0.909 | 0.909 |
| 30 | 0.899 | | 0.000 | 0.653 | 0.858 | 0.858 | 0.857 | 0.833 | 0.809 | 0.753 | 0.909 | 0.909 |
| 31 | 0.898 | | 0.000 | | 0.858 | | 0.856 | 0.832 | | 0.773 | | 0.909 |

ET calculations for
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Citrus-9a young, 1 to3 meter size)

Sheet Q: Page 1 of 2

1999 CROP ET

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Citrus- young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.07 | 0.05 | 0.06 | 0.07 | 0.08 | 0.12 | 0.12 | 0.09 | 0.10 | 0.06 | 0.06 | 0.05 | |
| 2 | 0.08 | 0.08 | 0.06 | 0.05 | 0.11 | 0.12 | 0.13 | 0.07 | 0.09 | 0.07 | 0.04 | 0.05 | |
| 3 | 0.09 | 0.05 | 0.10 | 0.07 | 0.12 | 0.11 | 0.13 | 0.09 | 0.07 | 0.06 | 0.04 | 0.07 | |
| 4 | 0.07 | -0.02 | 0.08 | 0.05 | 0.10 | 0.08 | 0.11 | 0.09 | 0.07 | 0.06 | 0.03 | 0.08 | |
| 5 | 0.06 | -0.06 | 0.06 | 0.07 | 0.14 | 0.11 | 0.10 | 0.09 | 0.07 | 0.06 | 0.03 | 0.04 | |
| 6 | 0.03 | 0.03 | 0.08 | 0.08 | 0.12 | 0.12 | 0.09 | 0.11 | 0.07 | 0.08 | 0.06 | 0.04 | |
| 7 | 0.02 | 0.03 | 0.07 | 0.06 | 0.11 | 0.12 | 0.09 | 0.09 | 0.07 | 0.10 | 0.03 | 0.05 | |
| 8 | 0.07 | 0.03 | 0.06 | 0.07 | 0.14 | 0.11 | 0.06 | 0.09 | 0.07 | 0.09 | 0.04 | 0.07 | |
| 9 | 0.10 | 0.06 | 0.06 | 0.09 | 0.11 | 0.10 | 0.09 | 0.09 | 0.04 | 0.06 | 0.05 | 0.02 | |
| 10 | 0.07 | 0.06 | 0.05 | 0.08 | 0.10 | 0.10 | 0.09 | 0.08 | 0.07 | 0.05 | 0.03 | 0.05 | |
| 11 | 0.03 | 0.06 | 0.06 | 0.07 | 0.12 | 0.10 | 0.06 | 0.09 | 0.07 | 0.05 | 0.05 | 0.08 | |
| 12 | 0.05 | 0.08 | 0.08 | 0.07 | 0.13 | 0.10 | 0.05 | 0.08 | 0.09 | 0.06 | 0.06 | 0.06 | |
| 13 | 0.06 | 0.06 | 0.06 | 0.07 | 0.16 | 0.10 | 0.06 | 0.09 | 0.08 | 0.07 | 0.06 | 0.04 | |
| 14 | 0.10 | 0.06 | 0.05 | 0.13 | 0.14 | 0.12 | 0.09 | 0.09 | 0.08 | 0.05 | 0.05 | 0.08 | |
| 15 | 0.04 | 0.06 | 0.08 | 0.18 | 0.11 | 0.12 | 0.09 | 0.09 | 0.07 | 0.05 | 0.03 | 0.09 | |
| 16 | 0.03 | 0.04 | 0.05 | 0.14 | 0.13 | 0.13 | 0.11 | 0.08 | 0.07 | 0.12 | 0.03 | 0.07 | |
| 17 | 0.02 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.10 | 0.09 | 0.07 | 0.12 | 0.04 | 0.07 | |
| 18 | 0.04 | 0.05 | 0.06 | 0.09 | 0.11 | 0.12 | 0.09 | 0.09 | 0.09 | 0.05 | 0.07 | 0.03 | |
| 19 | 0.05 | 0.08 | 0.06 | 0.11 | 0.13 | 0.11 | 0.10 | 0.07 | 0.07 | 0.09 | 0.03 | 0.07 | |
| 20 | 0.07 | 0.10 | 0.10 | 0.11 | 0.12 | 0.11 | 0.10 | 0.08 | 0.07 | 0.08 | 0.04 | 0.08 | |
| 21 | 0.10 | 0.05 | 0.07 | 0.11 | 0.11 | 0.14 | 0.09 | 0.08 | 0.07 | 0.08 | 0.06 | 0.07 | |
| 22 | 0.05 | 0.10 | 0.06 | 0.13 | 0.12 | 0.11 | 0.09 | 0.10 | 0.03 | 0.06 | 0.07 | 0.10 | |
| 23 | 0.04 | 0.08 | 0.08 | 0.07 | 0.09 | 0.10 | 0.10 | 0.06 | 0.06 | 0.05 | 0.06 | 0.11 | |
| 24 | 0.03 | 0.05 | 0.07 | 0.03 | 0.08 | 0.11 | 0.10 | 0.09 | 0.06 | 0.04 | 0.08 | 0.08 | |
| 25 | 0.04 | 0.07 | 0.07 | 0.07 | 0.09 | 0.11 | 0.10 | 0.09 | 0.06 | 0.05 | 0.06 | 0.07 | |
| 26 | -0.02 | 0.08 | 0.10 | 0.10 | 0.10 | 0.11 | 0.10 | 0.08 | 0.06 | 0.04 | 0.03 | 0.05 | |
| 27 | 0.03 | 0.05 | 0.08 | 0.13 | 0.11 | 0.11 | 0.05 | 0.09 | 0.07 | 0.04 | 0.02 | 0.07 | |
| 28 | 0.06 | 0.06 | 0.07 | 0.12 | 0.12 | 0.11 | 0.06 | 0.09 | 0.14 | 0.06 | 0.02 | 0.05 | |
| 29 | 0.07 | | 0.08 | 0.04 | 0.15 | 0.11 | 0.06 | 0.08 | 0.13 | 0.10 | 0.04 | 0.03 | |
| 30 | 0.03 | | 0.11 | 0.04 | 0.13 | 0.11 | 0.09 | 0.09 | 0.06 | 0.10 | 0.02 | 0.03 | |
| 31 | 0.06 | | 0.10 | | 0.13 | | 0.09 | 0.09 | | 0.07 | | 0.03 | |

(Daily Kc values)

Sheet Q: Page 2 of 2

1999 CROP ET

Citrus- young

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.425 | 0.409 | 0.393 | 0.376 | 0.360 | 0.342 | 0.342 | 0.342 | 0.342 | 0.362 | 0.388 | 0.413 |
| 2 | 0.425 | 0.408 | 0.393 | 0.376 | 0.359 | 0.342 | 0.342 | 0.342 | 0.342 | 0.363 | 0.389 | 0.414 |
| 3 | 0.424 | 0.407 | 0.392 | 0.375 | 0.359 | 0.342 | 0.342 | 0.342 | 0.342 | 0.364 | 0.390 | 0.415 |
| 4 | 0.424 | 0.407 | 0.392 | 0.375 | 0.358 | 0.342 | 0.342 | 0.342 | 0.342 | 0.365 | 0.391 | 0.416 |
| 5 | 0.423 | 0.406 | 0.391 | 0.374 | 0.358 | 0.342 | 0.342 | 0.342 | 0.342 | 0.366 | 0.392 | 0.417 |
| 6 | 0.423 | 0.406 | 0.391 | 0.374 | 0.357 | 0.342 | 0.342 | 0.342 | 0.342 | 0.366 | 0.392 | 0.418 |
| 7 | 0.422 | 0.405 | 0.390 | 0.373 | 0.357 | 0.342 | 0.342 | 0.342 | 0.342 | 0.367 | 0.393 | 0.418 |
| 8 | 0.422 | 0.405 | 0.389 | 0.373 | 0.356 | 0.342 | 0.342 | 0.342 | 0.343 | 0.368 | 0.394 | 0.419 |
| 9 | 0.421 | 0.404 | 0.389 | 0.372 | 0.356 | 0.342 | 0.342 | 0.342 | 0.344 | 0.369 | 0.395 | 0.420 |
| 10 | 0.421 | 0.404 | 0.388 | 0.371 | 0.355 | 0.342 | 0.342 | 0.342 | 0.345 | 0.370 | 0.396 | 0.421 |
| 11 | 0.420 | 0.403 | 0.388 | 0.371 | 0.355 | 0.342 | 0.342 | 0.342 | 0.345 | 0.371 | 0.397 | 0.422 |
| 12 | 0.419 | 0.403 | 0.387 | 0.370 | 0.354 | 0.342 | 0.342 | 0.342 | 0.346 | 0.371 | 0.397 | 0.423 |
| 13 | 0.419 | 0.402 | 0.387 | 0.370 | 0.353 | 0.342 | 0.342 | 0.342 | 0.347 | 0.372 | 0.398 | 0.423 |
| 14 | 0.418 | 0.401 | 0.386 | 0.369 | 0.353 | 0.342 | 0.342 | 0.342 | 0.348 | 0.373 | 0.399 | 0.424 |
| 15 | 0.418 | 0.401 | 0.386 | 0.369 | 0.352 | 0.342 | 0.342 | 0.342 | 0.349 | 0.374 | 0.400 | 0.425 |
| 16 | 0.417 | 0.400 | 0.385 | 0.368 | 0.352 | 0.342 | 0.342 | 0.342 | 0.350 | 0.375 | 0.401 | 0.426 |
| 17 | 0.417 | 0.400 | 0.385 | 0.368 | 0.351 | 0.342 | 0.342 | 0.342 | 0.350 | 0.376 | 0.402 | 0.427 |
| 18 | 0.416 | 0.399 | 0.384 | 0.367 | 0.351 | 0.342 | 0.342 | 0.342 | 0.351 | 0.376 | 0.402 | 0.428 |
| 19 | 0.416 | 0.399 | 0.383 | 0.367 | 0.350 | 0.342 | 0.342 | 0.342 | 0.352 | 0.377 | 0.403 | 0.429 |
| 20 | 0.415 | 0.398 | 0.383 | 0.366 | 0.350 | 0.342 | 0.342 | 0.342 | 0.353 | 0.378 | 0.404 | 0.429 |
| 21 | 0.415 | 0.398 | 0.382 | 0.365 | 0.349 | 0.342 | 0.342 | 0.342 | 0.354 | 0.379 | 0.405 | 0.430 |
| 22 | 0.414 | 0.397 | 0.382 | 0.365 | 0.349 | 0.342 | 0.342 | 0.342 | 0.355 | 0.380 | 0.406 | 0.431 |
| 23 | 0.413 | 0.397 | 0.381 | 0.364 | 0.348 | 0.342 | 0.342 | 0.342 | 0.355 | 0.381 | 0.407 | 0.432 |
| 24 | 0.413 | 0.396 | 0.381 | 0.364 | 0.347 | 0.342 | 0.342 | 0.342 | 0.356 | 0.381 | 0.408 | 0.433 |
| 25 | 0.412 | 0.395 | 0.380 | 0.363 | 0.347 | 0.342 | 0.342 | 0.342 | 0.357 | 0.382 | 0.408 | 0.434 |
| 26 | 0.412 | 0.395 | 0.380 | 0.363 | 0.346 | 0.342 | 0.342 | 0.342 | 0.358 | 0.383 | 0.409 | 0.434 |
| 27 | 0.411 | 0.394 | 0.379 | 0.362 | 0.346 | 0.342 | 0.342 | 0.342 | 0.359 | 0.384 | 0.410 | 0.435 |
| 28 | 0.411 | 0.394 | 0.379 | 0.362 | 0.345 | 0.342 | 0.342 | 0.342 | 0.360 | 0.385 | 0.411 | 0.436 |
| 29 | 0.410 | | 0.378 | 0.361 | 0.345 | 0.342 | 0.342 | 0.342 | 0.360 | 0.386 | 0.412 | 0.437 |
| 30 | 0.410 | | 0.377 | 0.361 | 0.344 | 0.342 | 0.342 | 0.342 | 0.361 | 0.387 | 0.413 | 0.438 |
| 31 | 0.409 | | 0.377 | | 0.342 | | 0.342 | 0.342 | | 0.387 | | 0.439 |

ET calculations for
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Citrus-9b mature, 3+ meter size)

Sheet R: Page 1 of 2

1999 CROP ET

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Citrus- mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.12 | 0.09 | 0.11 | 0.11 | 0.13 | 0.20 | 0.20 | 0.16 | 0.17 | 0.11 | 0.10 | 0.09 | |
| 2 | 0.13 | 0.13 | 0.11 | 0.09 | 0.19 | 0.20 | 0.22 | 0.11 | 0.14 | 0.12 | 0.07 | 0.09 | |
| 3 | 0.14 | 0.08 | 0.18 | 0.12 | 0.20 | 0.18 | 0.22 | 0.15 | 0.12 | 0.10 | 0.06 | 0.12 | |
| 4 | 0.11 | 0.01 | 0.13 | 0.08 | 0.16 | 0.14 | 0.19 | 0.15 | 0.12 | 0.09 | 0.05 | 0.13 | |
| 5 | 0.09 | -0.04 | 0.10 | 0.12 | 0.24 | 0.18 | 0.16 | 0.16 | 0.12 | 0.10 | 0.06 | 0.06 | |
| 6 | 0.06 | 0.05 | 0.14 | 0.13 | 0.19 | 0.21 | 0.15 | 0.19 | 0.11 | 0.14 | 0.10 | 0.06 | |
| 7 | 0.04 | 0.04 | 0.11 | 0.11 | 0.19 | 0.19 | 0.14 | 0.16 | 0.11 | 0.17 | 0.05 | 0.09 | |
| 8 | 0.12 | 0.05 | 0.09 | 0.12 | 0.23 | 0.18 | 0.10 | 0.15 | 0.11 | 0.15 | 0.06 | 0.12 | |
| 9 | 0.16 | 0.09 | 0.10 | 0.15 | 0.19 | 0.17 | 0.16 | 0.15 | 0.07 | 0.09 | 0.08 | 0.04 | |
| 10 | 0.12 | 0.11 | 0.08 | 0.14 | 0.17 | 0.17 | 0.15 | 0.14 | 0.12 | 0.09 | 0.05 | 0.09 | |
| 11 | 0.04 | 0.10 | 0.11 | 0.12 | 0.20 | 0.16 | 0.10 | 0.14 | 0.12 | 0.09 | 0.08 | 0.14 | |
| 12 | 0.09 | 0.13 | 0.14 | 0.12 | 0.22 | 0.16 | 0.08 | 0.14 | 0.14 | 0.10 | 0.10 | 0.10 | |
| 13 | 0.10 | 0.09 | 0.10 | 0.12 | 0.26 | 0.17 | 0.10 | 0.15 | 0.13 | 0.11 | 0.10 | 0.07 | |
| 14 | 0.16 | 0.09 | 0.09 | 0.22 | 0.23 | 0.20 | 0.14 | 0.14 | 0.13 | 0.09 | 0.08 | 0.13 | |
| 15 | 0.06 | 0.11 | 0.13 | 0.30 | 0.18 | 0.21 | 0.15 | 0.15 | 0.12 | 0.09 | 0.05 | 0.15 | |
| 16 | 0.05 | 0.07 | 0.09 | 0.24 | 0.22 | 0.21 | 0.18 | 0.13 | 0.12 | 0.20 | 0.04 | 0.11 | |
| 17 | 0.04 | 0.07 | 0.10 | 0.14 | 0.17 | 0.20 | 0.17 | 0.15 | 0.11 | 0.19 | 0.07 | 0.11 | |
| 18 | 0.06 | 0.09 | 0.10 | 0.14 | 0.19 | 0.20 | 0.16 | 0.16 | 0.15 | 0.09 | 0.11 | 0.05 | |
| 19 | 0.09 | 0.14 | 0.10 | 0.19 | 0.21 | 0.18 | 0.16 | 0.11 | 0.12 | 0.15 | 0.05 | 0.12 | |
| 20 | 0.12 | 0.17 | 0.17 | 0.19 | 0.20 | 0.18 | 0.16 | 0.13 | 0.12 | 0.13 | 0.06 | 0.13 | |
| 21 | 0.17 | 0.08 | 0.12 | 0.18 | 0.19 | 0.24 | 0.16 | 0.14 | 0.12 | 0.13 | 0.10 | 0.12 | |
| 22 | 0.09 | 0.16 | 0.11 | 0.22 | 0.21 | 0.18 | 0.16 | 0.16 | 0.05 | 0.10 | 0.11 | 0.17 | |
| 23 | 0.07 | 0.13 | 0.13 | 0.11 | 0.15 | 0.16 | 0.16 | 0.10 | 0.10 | 0.08 | 0.10 | 0.18 | |
| 24 | 0.05 | 0.08 | 0.12 | 0.05 | 0.13 | 0.18 | 0.17 | 0.15 | 0.10 | 0.07 | 0.13 | 0.13 | |
| 25 | 0.08 | 0.11 | 0.11 | 0.11 | 0.15 | 0.19 | 0.17 | 0.15 | 0.11 | 0.08 | 0.10 | 0.11 | |
| 26 | -0.00 | 0.13 | 0.17 | 0.16 | 0.17 | 0.19 | 0.16 | 0.14 | 0.11 | 0.07 | 0.05 | 0.08 | |
| 27 | 0.05 | 0.09 | 0.14 | 0.22 | 0.19 | 0.18 | 0.08 | 0.15 | 0.12 | 0.06 | 0.04 | 0.12 | |
| 28 | 0.11 | 0.09 | 0.11 | 0.20 | 0.21 | 0.19 | 0.11 | 0.14 | 0.24 | 0.10 | 0.04 | 0.08 | |
| 29 | 0.12 | | 0.14 | 0.06 | 0.25 | 0.19 | 0.11 | 0.13 | 0.21 | 0.17 | 0.07 | 0.04 | |
| 30 | 0.05 | | 0.18 | 0.06 | 0.22 | 0.18 | 0.15 | 0.14 | 0.10 | 0.17 | 0.04 | 0.05 | |
| 31 | 0.11 | | 0.17 | | 0.21 | | 0.15 | 0.15 | | 0.11 | | 0.05 | |

(Daily Kc values)
Citrus- mature

Sheet R: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.709 | 0.681 | 0.655 | 0.627 | 0.600 | 0.570 | 0.570 | 0.570 | 0.570 | 0.604 | 0.647 | 0.689 |
| 2 | 0.708 | 0.680 | 0.655 | 0.626 | 0.599 | 0.570 | 0.570 | 0.570 | 0.570 | 0.605 | 0.648 | 0.690 |
| 3 | 0.707 | 0.679 | 0.654 | 0.625 | 0.598 | 0.570 | 0.570 | 0.570 | 0.570 | 0.606 | 0.650 | 0.692 |
| 4 | 0.706 | 0.678 | 0.653 | 0.625 | 0.597 | 0.570 | 0.570 | 0.570 | 0.570 | 0.608 | 0.651 | 0.693 |
| 5 | 0.705 | 0.677 | 0.652 | 0.624 | 0.596 | 0.570 | 0.570 | 0.570 | 0.570 | 0.609 | 0.653 | 0.695 |
| 6 | 0.705 | 0.676 | 0.651 | 0.623 | 0.595 | 0.570 | 0.570 | 0.570 | 0.570 | 0.611 | 0.654 | 0.696 |
| 7 | 0.704 | 0.675 | 0.650 | 0.622 | 0.595 | 0.570 | 0.570 | 0.570 | 0.570 | 0.612 | 0.655 | 0.697 |
| 8 | 0.703 | 0.675 | 0.649 | 0.621 | 0.594 | 0.570 | 0.570 | 0.570 | 0.571 | 0.613 | 0.657 | 0.699 |
| 9 | 0.702 | 0.674 | 0.648 | 0.620 | 0.593 | 0.570 | 0.570 | 0.570 | 0.573 | 0.615 | 0.658 | 0.700 |
| 10 | 0.701 | 0.673 | 0.647 | 0.619 | 0.592 | 0.570 | 0.570 | 0.570 | 0.574 | 0.616 | 0.660 | 0.702 |
| 11 | 0.700 | 0.672 | 0.646 | 0.618 | 0.591 | 0.570 | 0.570 | 0.570 | 0.576 | 0.618 | 0.661 | 0.703 |
| 12 | 0.699 | 0.671 | 0.645 | 0.617 | 0.590 | 0.570 | 0.570 | 0.570 | 0.577 | 0.619 | 0.662 | 0.704 |
| 13 | 0.698 | 0.670 | 0.645 | 0.616 | 0.589 | 0.570 | 0.570 | 0.570 | 0.578 | 0.620 | 0.664 | 0.706 |
| 14 | 0.697 | 0.669 | 0.644 | 0.615 | 0.588 | 0.570 | 0.570 | 0.570 | 0.580 | 0.622 | 0.665 | 0.707 |
| 15 | 0.696 | 0.668 | 0.643 | 0.615 | 0.587 | 0.570 | 0.570 | 0.570 | 0.581 | 0.623 | 0.667 | 0.709 |
| 16 | 0.695 | 0.667 | 0.642 | 0.614 | 0.586 | 0.570 | 0.570 | 0.570 | 0.583 | 0.625 | 0.668 | 0.710 |
| 17 | 0.695 | 0.666 | 0.641 | 0.613 | 0.585 | 0.570 | 0.570 | 0.570 | 0.584 | 0.626 | 0.669 | 0.711 |
| 18 | 0.694 | 0.665 | 0.640 | 0.612 | 0.585 | 0.570 | 0.570 | 0.570 | 0.585 | 0.627 | 0.671 | 0.713 |
| 19 | 0.693 | 0.665 | 0.639 | 0.611 | 0.584 | 0.570 | 0.570 | 0.570 | 0.587 | 0.629 | 0.672 | 0.714 |
| 20 | 0.692 | 0.664 | 0.638 | 0.610 | 0.583 | 0.570 | 0.570 | 0.570 | 0.588 | 0.630 | 0.674 | 0.716 |
| 21 | 0.691 | 0.663 | 0.637 | 0.609 | 0.582 | 0.570 | 0.570 | 0.570 | 0.590 | 0.632 | 0.675 | 0.717 |
| 22 | 0.690 | 0.662 | 0.636 | 0.608 | 0.581 | 0.570 | 0.570 | 0.570 | 0.591 | 0.633 | 0.676 | 0.718 |
| 23 | 0.689 | 0.661 | 0.635 | 0.607 | 0.580 | 0.570 | 0.570 | 0.570 | 0.592 | 0.634 | 0.678 | 0.720 |
| 24 | 0.688 | 0.660 | 0.635 | 0.606 | 0.579 | 0.570 | 0.570 | 0.570 | 0.594 | 0.636 | 0.679 | 0.721 |
| 25 | 0.687 | 0.659 | 0.634 | 0.605 | 0.578 | 0.570 | 0.570 | 0.570 | 0.595 | 0.637 | 0.681 | 0.723 |
| 26 | 0.686 | 0.658 | 0.633 | 0.605 | 0.577 | 0.570 | 0.570 | 0.570 | 0.597 | 0.639 | 0.682 | 0.724 |
| 27 | 0.685 | 0.657 | 0.632 | 0.604 | 0.576 | 0.570 | 0.570 | 0.570 | 0.598 | 0.640 | 0.683 | 0.725 |
| 28 | 0.685 | 0.656 | 0.631 | 0.603 | 0.575 | 0.570 | 0.570 | 0.570 | 0.599 | 0.641 | 0.685 | 0.727 |
| 29 | 0.684 | | 0.630 | 0.602 | 0.575 | 0.570 | 0.570 | 0.570 | 0.601 | 0.643 | 0.686 | 0.728 |
| 30 | 0.683 | | 0.629 | 0.601 | 0.574 | 0.570 | 0.570 | 0.570 | 0.602 | 0.644 | 0.688 | 0.730 |
| 31 | 0.682 | | 0.628 | | 0.570 | | 0.570 | 0.570 | | 0.646 | | 0.731 |

ET calculations for
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Citrus-9c declining)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Citrus- declining (Daily ET values after effective precipitation has been subtracted) (Reference ET X Kc - eff. precip.) | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Date | | | | | | | | | | | | | |
| 1 | 0.08 | 0.06 | 0.07 | 0.08 | 0.09 | 0.14 | 0.14 | 0.11 | 0.12 | 0.07 | 0.07 | 0.06 | |
| 2 | 0.09 | 0.09 | 0.07 | 0.06 | 0.13 | 0.14 | 0.15 | 0.08 | 0.10 | 0.08 | 0.05 | 0.06 | |
| 3 | 0.10 | 0.06 | 0.12 | 0.08 | 0.14 | 0.13 | 0.16 | 0.11 | 0.08 | 0.07 | 0.04 | 0.09 | |
| 4 | 0.08 | -0.01 | 0.09 | 0.06 | 0.11 | 0.10 | 0.13 | 0.10 | 0.08 | 0.07 | 0.04 | 0.09 | |
| 5 | 0.07 | -0.05 | 0.07 | 0.08 | 0.17 | 0.12 | 0.11 | 0.11 | 0.08 | 0.07 | 0.04 | 0.04 | |
| 6 | 0.04 | 0.03 | 0.10 | 0.09 | 0.13 | 0.14 | 0.10 | 0.13 | 0.08 | 0.10 | 0.07 | 0.04 | |
| 7 | 0.03 | 0.03 | 0.08 | 0.07 | 0.13 | 0.14 | 0.10 | 0.11 | 0.08 | 0.12 | 0.03 | 0.06 | |
| 8 | 0.08 | 0.04 | 0.06 | 0.08 | 0.16 | 0.13 | 0.07 | 0.11 | 0.08 | 0.11 | 0.04 | 0.08 | |
| 9 | 0.11 | 0.07 | 0.07 | 0.11 | 0.13 | 0.12 | 0.11 | 0.11 | 0.05 | 0.06 | 0.05 | 0.03 | |
| 10 | 0.08 | 0.07 | 0.06 | 0.10 | 0.12 | 0.12 | 0.11 | 0.10 | 0.08 | 0.06 | 0.04 | 0.06 | |
| 11 | 0.03 | 0.07 | 0.07 | 0.08 | 0.14 | 0.11 | 0.07 | 0.10 | 0.08 | 0.06 | 0.06 | 0.10 | |
| 12 | 0.06 | 0.09 | 0.10 | 0.09 | 0.15 | 0.11 | 0.05 | 0.10 | 0.10 | 0.07 | 0.07 | 0.07 | |
| 13 | 0.07 | 0.07 | 0.07 | 0.08 | 0.18 | 0.12 | 0.07 | 0.10 | 0.09 | 0.08 | 0.07 | 0.05 | |
| 14 | 0.11 | 0.07 | 0.06 | 0.15 | 0.16 | 0.14 | 0.10 | 0.10 | 0.09 | 0.06 | 0.05 | 0.09 | |
| 15 | 0.04 | 0.07 | 0.09 | 0.21 | 0.13 | 0.14 | 0.11 | 0.11 | 0.08 | 0.06 | 0.04 | 0.11 | |
| 16 | 0.03 | 0.05 | 0.06 | 0.17 | 0.15 | 0.15 | 0.13 | 0.09 | 0.09 | 0.14 | 0.03 | 0.08 | |
| 17 | 0.03 | 0.05 | 0.07 | 0.10 | 0.12 | 0.14 | 0.12 | 0.10 | 0.08 | 0.14 | 0.05 | 0.08 | |
| 18 | 0.04 | 0.06 | 0.07 | 0.10 | 0.13 | 0.14 | 0.11 | 0.11 | 0.11 | 0.06 | 0.08 | 0.04 | |
| 19 | 0.06 | 0.10 | 0.07 | 0.13 | 0.15 | 0.12 | 0.11 | 0.08 | 0.08 | 0.10 | 0.04 | 0.08 | |
| 20 | 0.08 | 0.12 | 0.12 | 0.13 | 0.14 | 0.13 | 0.11 | 0.09 | 0.08 | 0.09 | 0.04 | 0.09 | |
| 21 | 0.12 | 0.06 | 0.08 | 0.13 | 0.13 | 0.17 | 0.11 | 0.10 | 0.08 | 0.09 | 0.07 | 0.08 | |
| 22 | 0.06 | 0.11 | 0.07 | 0.15 | 0.14 | 0.12 | 0.11 | 0.11 | 0.04 | 0.07 | 0.08 | 0.12 | |
| 23 | 0.05 | 0.09 | 0.09 | 0.08 | 0.10 | 0.11 | 0.11 | 0.07 | 0.07 | 0.05 | 0.07 | 0.12 | |
| 24 | 0.04 | 0.06 | 0.08 | 0.04 | 0.09 | 0.12 | 0.12 | 0.10 | 0.07 | 0.05 | 0.09 | 0.09 | |
| 25 | 0.05 | 0.08 | 0.08 | 0.08 | 0.11 | 0.13 | 0.12 | 0.11 | 0.07 | 0.05 | 0.07 | 0.08 | |
| 26 | -0.02 | 0.09 | 0.12 | 0.11 | 0.12 | 0.13 | 0.11 | 0.10 | 0.08 | 0.05 | 0.04 | 0.06 | |
| 27 | 0.03 | 0.06 | 0.10 | 0.16 | 0.13 | 0.13 | 0.06 | 0.11 | 0.09 | 0.04 | 0.03 | 0.08 | |
| 28 | 0.08 | 0.07 | 0.08 | 0.14 | 0.14 | 0.13 | 0.08 | 0.10 | 0.17 | 0.07 | 0.03 | 0.06 | |
| 29 | 0.09 | | 0.10 | 0.04 | 0.18 | 0.13 | 0.07 | 0.09 | 0.15 | 0.12 | 0.05 | 0.03 | |
| 30 | 0.03 | | 0.12 | 0.04 | 0.15 | 0.13 | 0.11 | 0.10 | 0.07 | 0.12 | 0.03 | 0.03 | |
| 31 | 0.08 | | 0.12 | | 0.15 | | 0.11 | 0.11 | | 0.08 | | 0.03 | |

(Daily Kc values)
Citrus- declining

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.496 | 0.477 | 0.459 | 0.439 | 0.420 | 0.399 | 0.399 | 0.399 | 0.399 | 0.423 | 0.453 | 0.482 |
| 2 | 0.496 | 0.476 | 0.458 | 0.438 | 0.419 | 0.399 | 0.399 | 0.399 | 0.399 | 0.424 | 0.454 | 0.483 |
| 3 | 0.495 | 0.475 | 0.458 | 0.438 | 0.419 | 0.399 | 0.399 | 0.399 | 0.399 | 0.424 | 0.455 | 0.484 |
| 4 | 0.494 | 0.475 | 0.457 | 0.437 | 0.418 | 0.399 | 0.399 | 0.399 | 0.399 | 0.425 | 0.456 | 0.485 |
| 5 | 0.494 | 0.474 | 0.456 | 0.437 | 0.417 | 0.399 | 0.399 | 0.399 | 0.399 | 0.426 | 0.457 | 0.486 |
| 6 | 0.493 | 0.473 | 0.456 | 0.436 | 0.417 | 0.399 | 0.399 | 0.399 | 0.399 | 0.427 | 0.458 | 0.487 |
| 7 | 0.493 | 0.473 | 0.455 | 0.435 | 0.416 | 0.399 | 0.399 | 0.399 | 0.399 | 0.428 | 0.459 | 0.488 |
| 8 | 0.492 | 0.472 | 0.454 | 0.435 | 0.416 | 0.399 | 0.399 | 0.399 | 0.400 | 0.429 | 0.460 | 0.489 |
| 9 | 0.491 | 0.472 | 0.454 | 0.434 | 0.415 | 0.399 | 0.399 | 0.399 | 0.401 | 0.430 | 0.461 | 0.490 |
| 10 | 0.491 | 0.471 | 0.453 | 0.433 | 0.414 | 0.399 | 0.399 | 0.399 | 0.402 | 0.431 | 0.462 | 0.491 |
| 11 | 0.490 | 0.470 | 0.452 | 0.433 | 0.414 | 0.399 | 0.399 | 0.399 | 0.403 | 0.432 | 0.463 | 0.492 |
| 12 | 0.489 | 0.470 | 0.452 | 0.432 | 0.413 | 0.399 | 0.399 | 0.399 | 0.404 | 0.433 | 0.464 | 0.493 |
| 13 | 0.489 | 0.469 | 0.451 | 0.431 | 0.412 | 0.399 | 0.399 | 0.399 | 0.405 | 0.434 | 0.465 | 0.494 |
| 14 | 0.488 | 0.468 | 0.451 | 0.431 | 0.412 | 0.399 | 0.399 | 0.399 | 0.406 | 0.435 | 0.466 | 0.495 |
| 15 | 0.487 | 0.468 | 0.450 | 0.430 | 0.411 | 0.399 | 0.399 | 0.399 | 0.407 | 0.436 | 0.467 | 0.496 |
| 16 | 0.487 | 0.467 | 0.449 | 0.430 | 0.410 | 0.399 | 0.399 | 0.399 | 0.408 | 0.437 | 0.468 | 0.497 |
| 17 | 0.486 | 0.466 | 0.449 | 0.429 | 0.410 | 0.399 | 0.399 | 0.399 | 0.409 | 0.438 | 0.469 | 0.498 |
| 18 | 0.486 | 0.466 | 0.448 | 0.428 | 0.409 | 0.399 | 0.399 | 0.399 | 0.410 | 0.439 | 0.470 | 0.499 |
| 19 | 0.485 | 0.465 | 0.447 | 0.428 | 0.409 | 0.399 | 0.399 | 0.399 | 0.411 | 0.440 | 0.471 | 0.500 |
| 20 | 0.484 | 0.465 | 0.447 | 0.427 | 0.408 | 0.399 | 0.399 | 0.399 | 0.412 | 0.441 | 0.472 | 0.501 |
| 21 | 0.484 | 0.464 | 0.446 | 0.426 | 0.407 | 0.399 | 0.399 | 0.399 | 0.413 | 0.442 | 0.473 | 0.502 |
| 22 | 0.483 | 0.463 | 0.445 | 0.426 | 0.407 | 0.399 | 0.399 | 0.399 | 0.414 | 0.443 | 0.473 | 0.503 |
| 23 | 0.482 | 0.463 | 0.445 | 0.425 | 0.406 | 0.399 | 0.399 | 0.399 | 0.415 | 0.444 | 0.474 | 0.504 |
| 24 | 0.482 | 0.462 | 0.444 | 0.424 | 0.405 | 0.399 | 0.399 | 0.399 | 0.416 | 0.445 | 0.475 | 0.505 |
| 25 | 0.481 | 0.461 | 0.444 | 0.424 | 0.405 | 0.399 | 0.399 | 0.399 | 0.417 | 0.446 | 0.476 | 0.506 |
| 26 | 0.480 | 0.461 | 0.443 | 0.423 | 0.404 | 0.399 | 0.399 | 0.399 | 0.418 | 0.447 | 0.477 | 0.507 |
| 27 | 0.480 | 0.460 | 0.442 | 0.423 | 0.403 | 0.399 | 0.399 | 0.399 | 0.419 | 0.448 | 0.478 | 0.508 |
| 28 | 0.479 | 0.459 | 0.442 | 0.422 | 0.403 | 0.399 | 0.399 | 0.399 | 0.420 | 0.449 | 0.479 | 0.509 |
| 29 | 0.479 | | 0.441 | 0.421 | 0.402 | 0.399 | 0.399 | 0.399 | 0.421 | 0.450 | 0.480 | 0.510 |
| 30 | 0.478 | | 0.440 | 0.421 | 0.402 | 0.399 | 0.399 | 0.399 | 0.422 | 0.451 | 0.481 | 0.511 |
| 31 | 0.477 | | 0.440 | | 0.399 | | 0.399 | 0.399 | | 0.452 | | 0.512 |

ET calculations for Sheet T: Page 1 of 2
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Tomatoes)

1999 CROP ET

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.07 | 0.08 | 0.20 | 0.25 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 0.00 | 0.09 | 0.08 | 0.16 | 0.38 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.06 | 0.14 | 0.22 | 0.41 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 0.00 | -0.01 | 0.11 | 0.15 | 0.32 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | -0.05 | 0.09 | 0.22 | 0.48 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 0.00 | 0.03 | 0.12 | 0.25 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 0.00 | 0.03 | 0.10 | 0.20 | 0.38 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 0.00 | 0.04 | 0.09 | 0.23 | 0.46 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.07 | 0.10 | 0.30 | 0.38 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 0.00 | 0.08 | 0.08 | 0.27 | 0.35 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 0.00 | 0.07 | 0.11 | 0.23 | 0.41 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.10 | 0.15 | 0.24 | 0.44 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.07 | 0.11 | 0.23 | 0.54 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.07 | 0.10 | 0.43 | 0.47 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 0.00 | 0.08 | 0.16 | 0.58 | 0.37 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.05 | 0.11 | 0.47 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.05 | 0.12 | 0.27 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.07 | 0.12 | 0.28 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.10 | 0.12 | 0.37 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0.00 | 0.13 | 0.23 | 0.37 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.06 | 0.16 | 0.35 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 0.00 | 0.12 | 0.15 | 0.44 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 0.00 | 0.10 | 0.19 | 0.22 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 0.00 | 0.06 | 0.17 | 0.10 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 0.00 | 0.08 | 0.17 | 0.22 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 0.00 | 0.09 | 0.27 | 0.33 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 0.00 | 0.07 | 0.22 | 0.44 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 0.00 | 0.07 | 0.18 | 0.40 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 0.00 | | 0.23 | 0.12 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.00 | | 0.30 | 0.12 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | | 0.28 | | 0.36 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet T: Page 2 of 2

1999 CROP ET

Tomatoes

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.486 | 0.486 | 1.099 | 1.201 | 0.961 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.486 | 0.486 | 1.119 | 1.201 | 0.946 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.486 | 0.506 | 1.139 | 1.201 | 0.931 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.486 | 0.527 | 1.160 | 1.201 | 0.916 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.486 | 0.547 | 1.180 | 1.201 | 0.901 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.486 | 0.567 | 1.201 | 1.201 | 0.886 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.486 | 0.588 | 1.201 | 1.201 | 0.871 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.486 | 0.608 | 1.201 | 1.201 | 0.856 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.486 | 0.629 | 1.201 | 1.201 | 0.841 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.486 | 0.649 | 1.201 | 1.201 | 0.826 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.486 | 0.670 | 1.201 | 1.201 | 0.811 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.486 | 0.690 | 1.201 | 1.201 | 0.796 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.486 | 0.710 | 1.201 | 1.201 | 0.781 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.486 | 0.731 | 1.201 | 1.201 | 0.766 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.486 | 0.751 | 1.201 | 1.201 | 0.751 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.486 | 0.772 | 1.201 | 1.201 | 0.736 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.486 | 0.792 | 1.201 | 1.186 | 0.721 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.486 | 0.813 | 1.201 | 1.171 | 0.706 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.486 | 0.833 | 1.201 | 1.156 | 0.691 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.486 | 0.853 | 1.201 | 1.141 | 0.676 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.486 | 0.874 | 1.201 | 1.126 | 0.661 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.486 | 0.894 | 1.201 | 1.111 | 0.646 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.486 | 0.915 | 1.201 | 1.096 | 0.631 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.486 | 0.935 | 1.201 | 1.081 | 0.616 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.486 | 0.956 | 1.201 | 1.066 | 0.601 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.486 | 0.976 | 1.201 | 1.051 | 0.586 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.486 | 0.996 | 1.201 | 1.036 | 0.571 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.486 | 1.017 | 1.201 | 1.021 | 0.556 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 1.037 | 1.201 | 1.006 | 0.541 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 1.058 | 1.201 | 0.991 | 0.526 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 1.078 | | 0.976 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet U: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Sudan Grass)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|------------|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |

(Daily ET values after effective precipitation has been subtracted)
 (Reference ET X Kc - eff. precip.)

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.37 | 0.40 | 0.31 | 0.32 | 0.00 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.38 | 0.43 | 0.22 | 0.28 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.36 | 0.44 | 0.30 | 0.23 | 0.00 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.27 | 0.38 | 0.29 | 0.22 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.34 | 0.31 | 0.31 | 0.22 | 0.00 | 0.00 | 0.00 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.41 | 0.29 | 0.37 | 0.21 | 0.00 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.38 | 0.28 | 0.31 | 0.21 | 0.00 | 0.00 | 0.00 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.36 | 0.19 | 0.30 | 0.22 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.34 | 0.31 | 0.30 | 0.13 | 0.00 | 0.00 | 0.00 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.34 | 0.31 | 0.28 | 0.22 | 0.00 | 0.00 | 0.00 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.32 | 0.20 | 0.28 | 0.23 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.32 | 0.15 | 0.27 | 0.27 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.33 | 0.20 | 0.29 | 0.23 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.40 | 0.28 | 0.28 | 0.24 | 0.00 | 0.00 | 0.00 |
| 15 | 0.00 | 0.00 | 0.00 | 0.13 | 0.18 | 0.41 | 0.31 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.10 | 0.23 | 0.41 | 0.35 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.06 | 0.18 | 0.39 | 0.33 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.06 | 0.22 | 0.39 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.08 | 0.25 | 0.35 | 0.32 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0.00 | 0.00 | 0.00 | 0.08 | 0.25 | 0.35 | 0.32 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.08 | 0.25 | 0.47 | 0.31 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 0.00 | 0.00 | 0.00 | 0.10 | 0.28 | 0.35 | 0.31 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 0.00 | 0.00 | 0.00 | 0.05 | 0.21 | 0.32 | 0.32 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 0.00 | 0.00 | 0.00 | 0.02 | 0.19 | 0.34 | 0.34 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 0.00 | 0.00 | 0.00 | 0.05 | 0.23 | 0.38 | 0.34 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 0.00 | 0.00 | 0.00 | 0.07 | 0.26 | 0.37 | 0.31 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 0.00 | 0.00 | 0.00 | 0.10 | 0.31 | 0.36 | 0.16 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 0.00 | 0.00 | 0.00 | 0.09 | 0.34 | 0.37 | 0.21 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 0.00 | | 0.00 | 0.03 | 0.43 | 0.38 | 0.21 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.00 | | 0.00 | 0.03 | 0.39 | 0.36 | 0.31 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | | 0.00 | | 0.38 | | 0.31 | 0.29 | | 0.00 | | 0.00 |

Sudan

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 1.066 | 1.123 | 1.123 | 1.099 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 1.094 | 1.123 | 1.123 | 1.097 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 1.123 | 1.123 | 1.123 | 1.095 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 1.123 | 1.123 | 1.123 | 1.093 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.294 | 1.123 | 1.123 | 1.123 | 1.091 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.322 | 1.123 | 1.123 | 1.123 | 1.089 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.351 | 1.123 | 1.123 | 1.123 | 1.087 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.380 | 1.123 | 1.123 | 1.123 | 1.085 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.408 | 1.123 | 1.123 | 1.123 | 1.083 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.437 | 1.123 | 1.123 | 1.123 | 1.081 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.465 | 1.123 | 1.123 | 1.123 | 1.079 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.494 | 1.123 | 1.123 | 1.123 | 1.077 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.523 | 1.123 | 1.123 | 1.123 | 1.075 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.551 | 1.123 | 1.123 | 1.123 | 1.073 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.265 | 0.580 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.265 | 0.608 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.265 | 0.637 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.265 | 0.666 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.265 | 0.694 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.265 | 0.723 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.265 | 0.751 | 1.123 | 1.123 | 1.121 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.265 | 0.780 | 1.123 | 1.123 | 1.119 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.265 | 0.809 | 1.123 | 1.123 | 1.117 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.265 | 0.837 | 1.123 | 1.123 | 1.115 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.265 | 0.866 | 1.123 | 1.123 | 1.113 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.265 | 0.894 | 1.123 | 1.123 | 1.111 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.265 | 0.923 | 1.123 | 1.123 | 1.109 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.265 | 0.951 | 1.123 | 1.123 | 1.107 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.265 | 0.980 | 1.123 | 1.123 | 1.105 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.265 | 1.009 | 1.123 | 1.123 | 1.103 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 1.037 | | 1.123 | 1.101 | | 0.000 | | 0.000 |

ET calculations for

Mojave Valley - Mohave AZMET and Bullhead City NWS stations

(Sheet to calculate ET for Legume & Solanum Vegetables [green beans, dry beans, garbonzo beans, peas, peanuts, fresh peppers, & potatoes])

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.18 | 0.14 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | |
| 2 | 0.19 | 0.21 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | |
| 3 | 0.21 | 0.13 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.14 | |
| 4 | 0.16 | 0.04 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.14 | |
| 5 | 0.14 | -0.02 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | |
| 6 | 0.08 | 0.08 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | |
| 7 | 0.06 | 0.07 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.11 | |
| 8 | 0.18 | 0.08 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.14 | |
| 9 | 0.25 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.05 | |
| 10 | 0.18 | 0.17 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.12 | |
| 11 | 0.07 | 0.16 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.19 | |
| 12 | 0.13 | 0.21 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | |
| 13 | 0.16 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | |
| 14 | 0.25 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.19 | |
| 15 | 0.10 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.21 | |
| 16 | 0.08 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.03 | 0.16 | |
| 17 | 0.06 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.05 | 0.16 | |
| 18 | 0.10 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | 0.08 | |
| 19 | 0.13 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.04 | 0.18 | |
| 20 | 0.18 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.19 | |
| 21 | 0.26 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.08 | 0.18 | |
| 22 | 0.14 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.26 | |
| 23 | 0.11 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.26 | |
| 24 | 0.08 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.12 | 0.19 | |
| 25 | 0.12 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.17 | |
| 26 | 0.03 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | 0.12 | |
| 27 | 0.08 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.04 | 0.17 | |
| 28 | 0.17 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.12 | |
| 29 | 0.19 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.07 | 0.06 | |
| 30 | 0.08 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.04 | 0.07 | |
| 31 | 0.17 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.05 | | 0.07 | |

(Daily Kc values)*
Legume/Solanum Veg

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 1.063 | 1.063 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.743 |
| 2 | 1.063 | 1.063 | 1.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.762 |
| 3 | 1.063 | 1.063 | 1.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.781 |
| 4 | 1.063 | 1.063 | 0.999 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.800 |
| 5 | 1.063 | 1.063 | 0.995 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.819 |
| 6 | 1.063 | 1.063 | 0.991 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.838 |
| 7 | 1.063 | 1.063 | 0.987 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.856 |
| 8 | 1.063 | 1.063 | 0.983 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.875 |
| 9 | 1.063 | 1.063 | 0.979 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.330 | 0.894 |
| 10 | 1.063 | 1.063 | 0.975 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.348 | 0.913 |
| 11 | 1.063 | 1.063 | 0.971 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.367 | 0.932 |
| 12 | 1.063 | 1.063 | 0.967 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.386 | 0.950 |
| 13 | 1.063 | 1.063 | 0.963 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.969 |
| 14 | 1.063 | 1.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.424 | 0.988 |
| 15 | 1.063 | 1.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.442 | 1.007 |
| 16 | 1.063 | 1.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.461 | 1.026 |
| 17 | 1.063 | 1.059 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.480 | 1.045 |
| 18 | 1.063 | 1.055 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.499 | 1.063 |
| 19 | 1.063 | 1.051 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.518 | 1.063 |
| 20 | 1.063 | 1.047 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.537 | 1.063 |
| 21 | 1.063 | 1.043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.555 | 1.063 |
| 22 | 1.063 | 1.039 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.574 | 1.063 |
| 23 | 1.063 | 1.035 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.593 | 1.063 |
| 24 | 1.063 | 1.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.612 | 1.063 |
| 25 | 1.063 | 1.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.631 | 1.063 |
| 26 | 1.063 | 1.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.649 | 1.063 |
| 27 | 1.063 | 1.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.668 | 1.063 |
| 28 | 1.063 | 1.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.687 | 1.063 |
| 29 | 1.063 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.706 | 1.063 |
| 30 | 1.063 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.725 | 1.063 |
| 31 | 1.063 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 0.311 | | 1.063 |

* - Kc values are for Legume Vegetables. Solanum crops (fresh peppers & potatoes) were added to this group to minimize the total number of crop groups, and their total water usage/growing seasons are similar.

ET calculations for Sheet W: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Crucifers [broccoli, cauliflower, cabbage, bok-choy, mustard, kale, & okra])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.05 | 0.11 | 0.13 | |
| 2 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.05 | 0.07 | 0.13 | |
| 3 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.07 | 0.18 | |
| 4 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.06 | 0.18 | |
| 5 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.07 | 0.09 | |
| 6 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.11 | 0.09 | |
| 7 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | 0.06 | 0.13 | |
| 8 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.07 | 0.17 | |
| 9 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | 0.09 | 0.06 | |
| 10 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.07 | 0.13 | |
| 11 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.11 | 0.20 | |
| 12 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.06 | 0.13 | 0.14 | |
| 13 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.13 | 0.09 | |
| 14 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.10 | 0.19 | |
| 15 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.07 | 0.21 | |
| 16 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.14 | 0.06 | 0.15 | |
| 17 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.14 | 0.10 | 0.16 | |
| 18 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.16 | 0.07 | |
| 19 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.11 | 0.07 | 0.17 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | 0.09 | 0.18 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.11 | 0.14 | 0.17 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.08 | 0.17 | 0.24 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | 0.15 | 0.24 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.19 | 0.18 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.14 | 0.16 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.08 | 0.11 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.06 | 0.16 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.10 | 0.06 | 0.11 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.17 | 0.10 | 0.06 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.17 | 0.06 | 0.07 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.11 | | 0.06 | |

Crucifers

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.988 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.690 | 0.998 |
| 2 | 0.983 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.706 | 0.998 |
| 3 | 0.978 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.722 | 0.998 |
| 4 | 0.973 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.739 | 0.998 |
| 5 | 0.968 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.755 | 0.998 |
| 6 | 0.963 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.771 | 0.998 |
| 7 | 0.958 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.284 | 0.787 | 0.998 |
| 8 | 0.953 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.300 | 0.803 | 0.998 |
| 9 | 0.948 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.317 | 0.820 | 0.998 |
| 10 | 0.943 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.333 | 0.836 | 0.998 |
| 11 | 0.938 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.349 | 0.852 | 0.998 |
| 12 | 0.933 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.365 | 0.868 | 0.998 |
| 13 | 0.928 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.382 | 0.885 | 0.998 |
| 14 | 0.923 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.398 | 0.901 | 0.998 |
| 15 | 0.918 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.414 | 0.917 | 0.998 |
| 16 | 0.913 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.430 | 0.933 | 0.998 |
| 17 | 0.908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.446 | 0.949 | 0.998 |
| 18 | 0.903 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.463 | 0.966 | 0.998 |
| 19 | 0.898 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.479 | 0.982 | 0.998 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.495 | 0.998 | 0.998 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.511 | 0.998 | 0.998 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.528 | 0.998 | 0.998 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.544 | 0.998 | 0.998 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.560 | 0.998 | 0.998 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.576 | 0.998 | 0.998 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.593 | 0.998 | 0.998 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.609 | 0.998 | 0.998 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.625 | 0.998 | 0.998 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.641 | 0.998 | 0.998 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.657 | 0.998 | 0.998 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 0.674 | | 0.993 |

ET calculations for Sheet X: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Dates)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.15 | 0.12 | 0.15 | 0.18 | 0.21 | 0.37 | 0.38 | 0.29 | 0.31 | 0.19 | 0.17 | 0.13 | |
| 2 | 0.16 | 0.18 | 0.15 | 0.14 | 0.33 | 0.37 | 0.41 | 0.21 | 0.27 | 0.21 | 0.11 | 0.13 | |
| 3 | 0.18 | 0.11 | 0.26 | 0.19 | 0.35 | 0.34 | 0.42 | 0.29 | 0.23 | 0.17 | 0.10 | 0.18 | |
| 4 | 0.14 | 0.03 | 0.19 | 0.13 | 0.28 | 0.26 | 0.36 | 0.27 | 0.22 | 0.16 | 0.08 | 0.19 | |
| 5 | 0.12 | -0.03 | 0.15 | 0.19 | 0.41 | 0.33 | 0.30 | 0.29 | 0.22 | 0.17 | 0.09 | 0.09 | |
| 6 | 0.07 | 0.07 | 0.20 | 0.21 | 0.33 | 0.39 | 0.28 | 0.35 | 0.21 | 0.24 | 0.15 | 0.09 | |
| 7 | 0.05 | 0.06 | 0.16 | 0.17 | 0.33 | 0.36 | 0.27 | 0.29 | 0.21 | 0.29 | 0.08 | 0.13 | |
| 8 | 0.15 | 0.07 | 0.14 | 0.19 | 0.40 | 0.34 | 0.18 | 0.29 | 0.21 | 0.26 | 0.09 | 0.17 | |
| 9 | 0.21 | 0.13 | 0.15 | 0.25 | 0.33 | 0.32 | 0.29 | 0.28 | 0.13 | 0.16 | 0.12 | 0.06 | |
| 10 | 0.15 | 0.15 | 0.13 | 0.23 | 0.30 | 0.32 | 0.29 | 0.26 | 0.21 | 0.15 | 0.08 | 0.13 | |
| 11 | 0.06 | 0.14 | 0.16 | 0.19 | 0.36 | 0.30 | 0.19 | 0.27 | 0.22 | 0.15 | 0.13 | 0.21 | |
| 12 | 0.11 | 0.19 | 0.21 | 0.20 | 0.39 | 0.31 | 0.15 | 0.26 | 0.26 | 0.17 | 0.15 | 0.14 | |
| 13 | 0.14 | 0.13 | 0.15 | 0.19 | 0.47 | 0.31 | 0.19 | 0.28 | 0.23 | 0.20 | 0.15 | 0.10 | |
| 14 | 0.21 | 0.13 | 0.14 | 0.36 | 0.41 | 0.38 | 0.27 | 0.27 | 0.24 | 0.15 | 0.12 | 0.19 | |
| 15 | 0.08 | 0.15 | 0.20 | 0.49 | 0.33 | 0.39 | 0.29 | 0.29 | 0.22 | 0.15 | 0.08 | 0.22 | |
| 16 | 0.06 | 0.10 | 0.13 | 0.39 | 0.40 | 0.39 | 0.34 | 0.25 | 0.23 | 0.34 | 0.07 | 0.16 | |
| 17 | 0.05 | 0.10 | 0.15 | 0.23 | 0.30 | 0.37 | 0.31 | 0.27 | 0.21 | 0.33 | 0.11 | 0.16 | |
| 18 | 0.08 | 0.13 | 0.15 | 0.24 | 0.34 | 0.37 | 0.29 | 0.29 | 0.28 | 0.15 | 0.18 | 0.08 | |
| 19 | 0.12 | 0.19 | 0.15 | 0.32 | 0.38 | 0.33 | 0.31 | 0.21 | 0.21 | 0.24 | 0.08 | 0.17 | |
| 20 | 0.16 | 0.24 | 0.26 | 0.31 | 0.37 | 0.34 | 0.31 | 0.23 | 0.21 | 0.22 | 0.09 | 0.18 | |
| 21 | 0.22 | 0.12 | 0.18 | 0.30 | 0.34 | 0.44 | 0.29 | 0.26 | 0.22 | 0.22 | 0.15 | 0.17 | |
| 22 | 0.12 | 0.23 | 0.16 | 0.37 | 0.37 | 0.33 | 0.29 | 0.31 | 0.10 | 0.16 | 0.17 | 0.24 | |
| 23 | 0.09 | 0.19 | 0.21 | 0.19 | 0.27 | 0.31 | 0.31 | 0.19 | 0.18 | 0.13 | 0.15 | 0.25 | |
| 24 | 0.07 | 0.12 | 0.18 | 0.08 | 0.24 | 0.33 | 0.32 | 0.27 | 0.18 | 0.11 | 0.20 | 0.18 | |
| 25 | 0.10 | 0.16 | 0.17 | 0.19 | 0.28 | 0.36 | 0.32 | 0.28 | 0.19 | 0.12 | 0.15 | 0.16 | |
| 26 | 0.02 | 0.18 | 0.27 | 0.28 | 0.30 | 0.35 | 0.30 | 0.26 | 0.19 | 0.11 | 0.08 | 0.11 | |
| 27 | 0.06 | 0.13 | 0.22 | 0.38 | 0.35 | 0.34 | 0.15 | 0.29 | 0.22 | 0.10 | 0.06 | 0.16 | |
| 28 | 0.14 | 0.13 | 0.17 | 0.34 | 0.38 | 0.35 | 0.20 | 0.27 | 0.42 | 0.16 | 0.06 | 0.11 | |
| 29 | 0.17 | | 0.22 | 0.10 | 0.47 | 0.36 | 0.20 | 0.25 | 0.37 | 0.27 | 0.10 | 0.06 | |
| 30 | 0.06 | | 0.28 | 0.10 | 0.41 | 0.34 | 0.29 | 0.27 | 0.18 | 0.27 | 0.06 | 0.07 | |
| 31 | 0.14 | | 0.26 | | 0.39 | | 0.29 | 0.29 | | 0.18 | | 0.06 | |

Dates

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.915 | 0.917 | 0.952 | 0.991 | 1.028 | 1.065 | 1.065 | 1.065 | 1.065 | 1.063 | 1.046 | 1.031 |
| 2 | 0.915 | 0.918 | 0.953 | 0.992 | 1.030 | 1.065 | 1.065 | 1.065 | 1.065 | 1.062 | 1.046 | 1.030 |
| 3 | 0.915 | 0.920 | 0.955 | 0.993 | 1.031 | 1.065 | 1.065 | 1.065 | 1.065 | 1.062 | 1.045 | 1.029 |
| 4 | 0.915 | 0.921 | 0.956 | 0.995 | 1.032 | 1.065 | 1.065 | 1.065 | 1.065 | 1.061 | 1.045 | 1.029 |
| 5 | 0.915 | 0.922 | 0.957 | 0.996 | 1.033 | 1.065 | 1.065 | 1.065 | 1.065 | 1.061 | 1.044 | 1.028 |
| 6 | 0.915 | 0.923 | 0.958 | 0.997 | 1.035 | 1.065 | 1.065 | 1.065 | 1.065 | 1.060 | 1.044 | 1.028 |
| 7 | 0.915 | 0.925 | 0.960 | 0.998 | 1.036 | 1.065 | 1.065 | 1.065 | 1.065 | 1.059 | 1.043 | 1.027 |
| 8 | 0.915 | 0.926 | 0.961 | 1.000 | 1.037 | 1.065 | 1.065 | 1.065 | 1.065 | 1.059 | 1.043 | 1.027 |
| 9 | 0.915 | 0.927 | 0.962 | 1.001 | 1.038 | 1.065 | 1.065 | 1.065 | 1.065 | 1.058 | 1.042 | 1.026 |
| 10 | 0.915 | 0.928 | 0.963 | 1.002 | 1.040 | 1.065 | 1.065 | 1.065 | 1.065 | 1.058 | 1.042 | 1.026 |
| 11 | 0.915 | 0.930 | 0.965 | 1.003 | 1.041 | 1.065 | 1.065 | 1.065 | 1.065 | 1.057 | 1.041 | 1.025 |
| 12 | 0.915 | 0.931 | 0.966 | 1.005 | 1.042 | 1.065 | 1.065 | 1.065 | 1.065 | 1.057 | 1.041 | 1.025 |
| 13 | 0.915 | 0.932 | 0.967 | 1.006 | 1.043 | 1.065 | 1.065 | 1.065 | 1.065 | 1.056 | 1.040 | 1.024 |
| 14 | 0.915 | 0.933 | 0.968 | 1.007 | 1.045 | 1.065 | 1.065 | 1.065 | 1.065 | 1.056 | 1.039 | 1.024 |
| 15 | 0.915 | 0.935 | 0.970 | 1.008 | 1.046 | 1.065 | 1.065 | 1.065 | 1.065 | 1.055 | 1.039 | 1.023 |
| 16 | 0.915 | 0.936 | 0.971 | 1.010 | 1.047 | 1.065 | 1.065 | 1.065 | 1.065 | 1.055 | 1.038 | 1.023 |
| 17 | 0.915 | 0.937 | 0.972 | 1.011 | 1.048 | 1.065 | 1.065 | 1.065 | 1.065 | 1.054 | 1.038 | 1.022 |
| 18 | 0.915 | 0.938 | 0.973 | 1.012 | 1.050 | 1.065 | 1.065 | 1.065 | 1.065 | 1.054 | 1.037 | 1.022 |
| 19 | 0.915 | 0.940 | 0.975 | 1.013 | 1.051 | 1.065 | 1.065 | 1.065 | 1.065 | 1.053 | 1.037 | 1.021 |
| 20 | 0.915 | 0.941 | 0.976 | 1.015 | 1.052 | 1.065 | 1.065 | 1.065 | 1.065 | 1.053 | 1.036 | 1.021 |
| 21 | 0.915 | 0.942 | 0.977 | 1.016 | 1.053 | 1.065 | 1.065 | 1.065 | 1.065 | 1.052 | 1.036 | 1.020 |
| 22 | 0.915 | 0.943 | 0.978 | 1.017 | 1.055 | 1.065 | 1.065 | 1.065 | 1.065 | 1.052 | 1.035 | 1.019 |
| 23 | 0.915 | 0.945 | 0.980 | 1.018 | 1.056 | 1.065 | 1.065 | 1.065 | 1.065 | 1.051 | 1.035 | 1.019 |
| 24 | 0.915 | 0.946 | 0.981 | 1.020 | 1.057 | 1.065 | 1.065 | 1.065 | 1.065 | 1.051 | 1.034 | 1.018 |
| 25 | 0.915 | 0.947 | 0.982 | 1.021 | 1.058 | 1.065 | 1.065 | 1.065 | 1.065 | 1.050 | 1.034 | 1.018 |
| 26 | 0.915 | 0.948 | 0.983 | 1.022 | 1.060 | 1.065 | 1.065 | 1.065 | 1.065 | 1.049 | 1.033 | 1.017 |
| 27 | 0.915 | 0.950 | 0.985 | 1.023 | 1.061 | 1.065 | 1.065 | 1.065 | 1.065 | 1.049 | 1.033 | 1.017 |
| 28 | 0.915 | 0.951 | 0.986 | 1.025 | 1.062 | 1.065 | 1.065 | 1.065 | 1.064 | 1.048 | 1.032 | 1.016 |
| 29 | 0.915 | | 0.987 | 1.026 | 1.063 | 1.065 | 1.065 | 1.065 | 1.064 | 1.048 | 1.032 | 1.016 |
| 30 | 0.915 | | 0.988 | 1.027 | 1.065 | 1.065 | 1.065 | 1.065 | 1.063 | 1.047 | 1.031 | 1.015 |
| 31 | 0.916 | | 0.990 | | 1.065 | | 1.065 | 1.065 | | 1.047 | | 1.015 |

ET calculations for Sheet Y: Page 1 of 2
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Safflower)

1999 CROP ET

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.05 | 0.09 | 0.19 | 0.26 | 0.43 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.07 | 0.09 | 0.16 | 0.40 | 0.43 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.05 | 0.15 | 0.21 | 0.42 | 0.40 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | -0.02 | 0.12 | 0.14 | 0.33 | 0.30 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | -0.06 | 0.10 | 0.22 | 0.50 | 0.38 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.03 | 0.13 | 0.24 | 0.40 | 0.45 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.02 | 0.11 | 0.20 | 0.40 | 0.42 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.03 | 0.09 | 0.23 | 0.47 | 0.40 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.05 | 0.10 | 0.30 | 0.40 | 0.37 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.06 | 0.09 | 0.28 | 0.36 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.06 | 0.12 | 0.23 | 0.43 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.08 | 0.15 | 0.25 | 0.46 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.05 | 0.11 | 0.23 | 0.56 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.05 | 0.11 | 0.44 | 0.48 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.06 | 0.16 | 0.60 | 0.39 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.04 | 0.11 | 0.48 | 0.47 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.04 | 0.13 | 0.28 | 0.35 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.05 | 0.12 | 0.29 | 0.40 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.08 | 0.13 | 0.39 | 0.45 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.10 | 0.23 | 0.38 | 0.44 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.05 | 0.16 | 0.37 | 0.41 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.10 | 0.15 | 0.45 | 0.44 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.09 | 0.19 | 0.23 | 0.32 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.06 | 0.17 | 0.10 | 0.28 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.08 | 0.17 | 0.23 | 0.33 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.09 | 0.27 | 0.34 | 0.36 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.07 | 0.22 | 0.46 | 0.41 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.07 | 0.18 | 0.41 | 0.44 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.22 | 0.12 | 0.55 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.29 | 0.12 | 0.47 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.28 | | 0.46 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet Y: Page 2 of 2

1999 CROP ET

Safflower

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.380 | 0.535 | 1.070 | 1.242 | 1.242 | 0.591 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.380 | 0.552 | 1.087 | 1.242 | 1.242 | 0.550 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.380 | 0.570 | 1.104 | 1.242 | 1.242 | 0.509 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.380 | 0.587 | 1.121 | 1.242 | 1.242 | 0.468 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.380 | 0.604 | 1.139 | 1.242 | 1.242 | 0.428 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.380 | 0.621 | 1.156 | 1.242 | 1.242 | 0.387 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.380 | 0.639 | 1.173 | 1.242 | 1.242 | 0.346 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.380 | 0.656 | 1.190 | 1.242 | 1.242 | 0.305 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.380 | 0.673 | 1.208 | 1.242 | 1.242 | 0.265 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.380 | 0.690 | 1.225 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.380 | 0.708 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.380 | 0.725 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.380 | 0.742 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.380 | 0.759 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.380 | 0.776 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.380 | 0.794 | 1.242 | 1.242 | 1.201 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.380 | 0.811 | 1.242 | 1.242 | 1.161 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.380 | 0.828 | 1.242 | 1.242 | 1.120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.380 | 0.845 | 1.242 | 1.242 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.380 | 0.863 | 1.242 | 1.242 | 1.038 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.397 | 0.880 | 1.242 | 1.242 | 0.998 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.414 | 0.897 | 1.242 | 1.242 | 0.957 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.432 | 0.914 | 1.242 | 1.242 | 0.916 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.449 | 0.932 | 1.242 | 1.242 | 0.876 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.466 | 0.949 | 1.242 | 1.242 | 0.835 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.483 | 0.966 | 1.242 | 1.242 | 0.794 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.501 | 0.983 | 1.242 | 1.242 | 0.753 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.518 | 1.001 | 1.242 | 1.242 | 0.713 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 1.018 | 1.242 | 1.242 | 0.672 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 1.035 | 1.242 | 1.242 | 0.631 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 1.052 | | 1.242 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet Z: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Deciduous Orchards [pecans & peaches])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.07 | 0.05 | 0.07 | 0.11 | 0.17 | 0.30 | 0.30 | 0.24 | 0.25 | 0.15 | 0.14 | 0.10 | |
| 2 | 0.07 | 0.08 | 0.07 | 0.09 | 0.26 | 0.30 | 0.33 | 0.17 | 0.22 | 0.17 | 0.09 | 0.10 | |
| 3 | 0.08 | 0.05 | 0.12 | 0.12 | 0.28 | 0.27 | 0.34 | 0.23 | 0.18 | 0.14 | 0.08 | 0.13 | |
| 4 | 0.06 | -0.02 | 0.09 | 0.08 | 0.22 | 0.21 | 0.29 | 0.22 | 0.18 | 0.13 | 0.07 | 0.13 | |
| 5 | 0.05 | -0.06 | 0.07 | 0.12 | 0.33 | 0.26 | 0.24 | 0.24 | 0.18 | 0.14 | 0.07 | 0.07 | |
| 6 | 0.03 | 0.03 | 0.10 | 0.14 | 0.27 | 0.31 | 0.22 | 0.28 | 0.17 | 0.20 | 0.13 | 0.06 | |
| 7 | 0.02 | 0.02 | 0.08 | 0.11 | 0.27 | 0.29 | 0.22 | 0.24 | 0.17 | 0.23 | 0.06 | 0.09 | |
| 8 | 0.07 | 0.03 | 0.07 | 0.13 | 0.32 | 0.27 | 0.15 | 0.23 | 0.17 | 0.21 | 0.08 | 0.12 | |
| 9 | 0.09 | 0.05 | 0.07 | 0.17 | 0.27 | 0.26 | 0.24 | 0.23 | 0.10 | 0.13 | 0.10 | 0.04 | |
| 10 | 0.07 | 0.06 | 0.06 | 0.15 | 0.25 | 0.26 | 0.23 | 0.21 | 0.17 | 0.13 | 0.07 | 0.09 | |
| 11 | 0.02 | 0.06 | 0.08 | 0.13 | 0.29 | 0.24 | 0.16 | 0.22 | 0.18 | 0.13 | 0.11 | 0.14 | |
| 12 | 0.05 | 0.08 | 0.11 | 0.14 | 0.32 | 0.25 | 0.12 | 0.21 | 0.21 | 0.14 | 0.13 | 0.09 | |
| 13 | 0.06 | 0.06 | 0.08 | 0.13 | 0.39 | 0.25 | 0.16 | 0.22 | 0.19 | 0.16 | 0.13 | 0.06 | |
| 14 | 0.09 | 0.06 | 0.07 | 0.25 | 0.34 | 0.31 | 0.22 | 0.22 | 0.19 | 0.12 | 0.10 | 0.13 | |
| 15 | 0.04 | 0.06 | 0.11 | 0.34 | 0.27 | 0.31 | 0.23 | 0.23 | 0.18 | 0.12 | 0.07 | 0.14 | |
| 16 | 0.03 | 0.04 | 0.07 | 0.28 | 0.33 | 0.31 | 0.27 | 0.20 | 0.18 | 0.27 | 0.05 | 0.10 | |
| 17 | 0.02 | 0.04 | 0.08 | 0.16 | 0.24 | 0.30 | 0.25 | 0.22 | 0.17 | 0.27 | 0.09 | 0.10 | |
| 18 | 0.04 | 0.05 | 0.08 | 0.17 | 0.28 | 0.30 | 0.24 | 0.24 | 0.23 | 0.12 | 0.14 | 0.05 | |
| 19 | 0.05 | 0.08 | 0.08 | 0.23 | 0.31 | 0.27 | 0.25 | 0.17 | 0.17 | 0.20 | 0.06 | 0.11 | |
| 20 | 0.07 | 0.10 | 0.14 | 0.23 | 0.30 | 0.27 | 0.25 | 0.19 | 0.17 | 0.18 | 0.08 | 0.11 | |
| 21 | 0.10 | 0.05 | 0.10 | 0.22 | 0.28 | 0.36 | 0.24 | 0.21 | 0.18 | 0.18 | 0.12 | 0.10 | |
| 22 | 0.05 | 0.10 | 0.09 | 0.27 | 0.30 | 0.27 | 0.24 | 0.25 | 0.08 | 0.13 | 0.14 | 0.15 | |
| 23 | 0.04 | 0.08 | 0.12 | 0.14 | 0.22 | 0.25 | 0.25 | 0.16 | 0.14 | 0.10 | 0.12 | 0.15 | |
| 24 | 0.03 | 0.05 | 0.11 | 0.06 | 0.19 | 0.26 | 0.26 | 0.22 | 0.15 | 0.09 | 0.15 | 0.11 | |
| 25 | 0.04 | 0.07 | 0.10 | 0.14 | 0.23 | 0.29 | 0.26 | 0.23 | 0.15 | 0.10 | 0.11 | 0.09 | |
| 26 | -0.03 | 0.08 | 0.16 | 0.21 | 0.25 | 0.28 | 0.24 | 0.21 | 0.16 | 0.09 | 0.06 | 0.07 | |
| 27 | 0.03 | 0.06 | 0.13 | 0.29 | 0.28 | 0.27 | 0.12 | 0.23 | 0.18 | 0.08 | 0.04 | 0.09 | |
| 28 | 0.06 | 0.06 | 0.11 | 0.26 | 0.31 | 0.28 | 0.16 | 0.22 | 0.34 | 0.13 | 0.05 | 0.06 | |
| 29 | 0.07 | | 0.13 | 0.08 | 0.38 | 0.29 | 0.16 | 0.20 | 0.30 | 0.22 | 0.08 | 0.03 | |
| 30 | 0.03 | | 0.17 | 0.08 | 0.33 | 0.28 | 0.23 | 0.22 | 0.15 | 0.22 | 0.05 | 0.04 | |
| 31 | 0.06 | | 0.16 | | 0.32 | | 0.23 | 0.23 | | 0.15 | | 0.04 | |

(Daily Kc values)

Sheet Z: Page 2 of 2

1999 CROP ET

Orchards

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.396 | 0.396 | 0.427 | 0.619 | 0.804 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.760 |
| 2 | 0.396 | 0.396 | 0.433 | 0.625 | 0.811 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.753 |
| 3 | 0.396 | 0.396 | 0.439 | 0.631 | 0.817 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.747 |
| 4 | 0.396 | 0.396 | 0.446 | 0.637 | 0.823 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.740 |
| 5 | 0.396 | 0.396 | 0.452 | 0.644 | 0.829 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.733 |
| 6 | 0.396 | 0.396 | 0.458 | 0.650 | 0.835 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.727 |
| 7 | 0.396 | 0.396 | 0.464 | 0.656 | 0.841 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.720 |
| 8 | 0.396 | 0.396 | 0.470 | 0.662 | 0.848 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.713 |
| 9 | 0.396 | 0.396 | 0.476 | 0.668 | 0.854 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.707 |
| 10 | 0.396 | 0.396 | 0.483 | 0.674 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.700 |
| 11 | 0.396 | 0.396 | 0.489 | 0.681 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.693 |
| 12 | 0.396 | 0.396 | 0.495 | 0.687 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.687 |
| 13 | 0.396 | 0.396 | 0.501 | 0.693 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.680 |
| 14 | 0.396 | 0.396 | 0.507 | 0.699 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.673 |
| 15 | 0.396 | 0.396 | 0.514 | 0.705 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.667 |
| 16 | 0.396 | 0.396 | 0.520 | 0.712 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.660 |
| 17 | 0.396 | 0.396 | 0.526 | 0.718 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.853 | 0.653 |
| 18 | 0.396 | 0.396 | 0.532 | 0.724 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.847 | 0.647 |
| 19 | 0.396 | 0.396 | 0.538 | 0.730 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.840 | 0.640 |
| 20 | 0.396 | 0.396 | 0.545 | 0.736 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.833 | 0.633 |
| 21 | 0.396 | 0.396 | 0.551 | 0.742 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.827 | 0.627 |
| 22 | 0.396 | 0.396 | 0.557 | 0.749 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.820 | 0.620 |
| 23 | 0.396 | 0.396 | 0.563 | 0.755 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.813 | 0.613 |
| 24 | 0.396 | 0.396 | 0.569 | 0.761 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.807 | 0.607 |
| 25 | 0.396 | 0.402 | 0.575 | 0.767 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.800 | 0.600 |
| 26 | 0.396 | 0.408 | 0.582 | 0.773 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.793 | 0.593 |
| 27 | 0.396 | 0.415 | 0.588 | 0.780 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.787 | 0.587 |
| 28 | 0.396 | 0.421 | 0.594 | 0.786 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.780 | 0.580 |
| 29 | 0.396 | | 0.600 | 0.792 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.773 | 0.573 |
| 30 | 0.396 | | 0.606 | 0.798 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.767 | 0.567 |
| 31 | 0.396 | | 0.613 | | 0.860 | | 0.860 | 0.860 | | 0.860 | | 0.560 |

ET calculations for Sheet AA: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Small Vegetables [carrots, celantro, celery, garlic, onions, parsley, & radishes])

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.17 | 0.13 | 0.16 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | |
| 2 | 0.18 | 0.19 | 0.16 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | |
| 3 | 0.20 | 0.12 | 0.27 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | |
| 4 | 0.15 | 0.04 | 0.20 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.11 | |
| 5 | 0.13 | -0.03 | 0.16 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | |
| 6 | 0.08 | 0.07 | 0.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | |
| 7 | 0.06 | 0.06 | 0.17 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.08 | |
| 8 | 0.17 | 0.08 | 0.14 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.11 | |
| 9 | 0.23 | 0.14 | 0.15 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | |
| 10 | 0.17 | 0.16 | 0.13 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.09 | |
| 11 | 0.06 | 0.15 | 0.17 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.14 | |
| 12 | 0.12 | 0.20 | 0.21 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | |
| 13 | 0.15 | 0.14 | 0.15 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | |
| 14 | 0.23 | 0.14 | 0.14 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.14 | |
| 15 | 0.09 | 0.16 | 0.21 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.16 | |
| 16 | 0.07 | 0.10 | 0.14 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.02 | 0.12 | |
| 17 | 0.06 | 0.11 | 0.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.04 | 0.12 | |
| 18 | 0.09 | 0.14 | 0.15 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | 0.06 | |
| 19 | 0.13 | 0.21 | 0.15 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.03 | 0.14 | |
| 20 | 0.17 | 0.26 | 0.27 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.15 | |
| 21 | 0.24 | 0.13 | 0.19 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.14 | |
| 22 | 0.13 | 0.25 | 0.17 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.21 | |
| 23 | 0.10 | 0.20 | 0.21 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | 0.21 | |
| 24 | 0.08 | 0.13 | 0.19 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.09 | 0.16 | |
| 25 | 0.11 | 0.17 | 0.18 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | 0.14 | |
| 26 | 0.03 | 0.19 | 0.28 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.04 | 0.10 | |
| 27 | 0.07 | 0.13 | 0.22 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 0.15 | |
| 28 | 0.16 | 0.14 | 0.18 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.10 | |
| 29 | 0.18 | | 0.22 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.05 | 0.06 | |
| 30 | 0.07 | | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.03 | 0.06 | |
| 31 | 0.16 | | 0.26 | | 0.00 | | 0.00 | 0.00 | | 0.05 | | 0.06 | |

(Daily Kc values)
Small Vegetables

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.994 | 1.008 | 1.008 | 0.995 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.562 |
| 2 | 1.008 | 1.008 | 1.008 | 0.988 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.576 |
| 3 | 1.008 | 1.008 | 1.008 | 0.981 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.590 |
| 4 | 1.008 | 1.008 | 1.008 | 0.975 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.604 |
| 5 | 1.008 | 1.008 | 1.008 | 0.968 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.618 |
| 6 | 1.008 | 1.008 | 1.008 | 0.961 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.632 |
| 7 | 1.008 | 1.008 | 1.008 | 0.955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.645 |
| 8 | 1.008 | 1.008 | 1.008 | 0.948 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.659 |
| 9 | 1.008 | 1.008 | 1.008 | 0.941 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.673 |
| 10 | 1.008 | 1.008 | 1.008 | 0.935 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.687 |
| 11 | 1.008 | 1.008 | 1.008 | 0.928 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.701 |
| 12 | 1.008 | 1.008 | 1.008 | 0.921 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.715 |
| 13 | 1.008 | 1.008 | 1.008 | 0.915 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.729 |
| 14 | 1.008 | 1.008 | 1.008 | 0.908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.325 | 0.743 |
| 15 | 1.008 | 1.008 | 1.008 | 0.901 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.339 | 0.757 |
| 16 | 1.008 | 1.008 | 1.008 | 0.895 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.353 | 0.771 |
| 17 | 1.008 | 1.008 | 1.008 | 0.888 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.366 | 0.785 |
| 18 | 1.008 | 1.008 | 1.008 | 0.881 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.380 | 0.799 |
| 19 | 1.008 | 1.008 | 1.008 | 0.875 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.394 | 0.813 |
| 20 | 1.008 | 1.008 | 1.008 | 0.868 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.408 | 0.827 |
| 21 | 1.008 | 1.008 | 1.008 | 0.861 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.422 | 0.841 |
| 22 | 1.008 | 1.008 | 1.008 | 0.855 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.436 | 0.855 |
| 23 | 1.008 | 1.008 | 1.008 | 0.848 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.450 | 0.869 |
| 24 | 1.008 | 1.008 | 1.008 | 0.841 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.464 | 0.883 |
| 25 | 1.008 | 1.008 | 1.008 | 0.835 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.478 | 0.897 |
| 26 | 1.008 | 1.008 | 1.008 | 0.828 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.492 | 0.910 |
| 27 | 1.008 | 1.008 | 1.008 | 0.821 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.506 | 0.924 |
| 28 | 1.008 | 1.008 | 1.008 | 0.815 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.520 | 0.938 |
| 29 | 1.008 | | 1.008 | 0.808 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.534 | 0.952 |
| 30 | 1.008 | | 1.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.548 | 0.966 |
| 31 | 1.008 | | 1.001 | | 0.000 | | 0.000 | 0.000 | | 0.311 | | 0.980 |

ET calculations for Sheet AB: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Root Vegetables [tables beets, parsnips, turnips, & rutabagas])

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.17 | 0.14 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.11 | 0.11 | 0.14 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.10 | 0.19 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.08 | 0.19 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | 0.09 | 0.10 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.14 | 0.15 | 0.09 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.18 | 0.08 | 0.14 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.17 | 0.10 | 0.17 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | 0.12 | 0.06 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | 0.08 | 0.13 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.11 | 0.13 | 0.21 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.15 | 0.14 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.15 | 0.15 | 0.10 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.11 | 0.12 | 0.19 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.12 | 0.08 | 0.22 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.27 | 0.07 | 0.16 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.27 | 0.11 | 0.16 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.13 | 0.18 | 0.08 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.21 | 0.08 | 0.17 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.20 | 0.10 | 0.18 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.20 | 0.15 | 0.16 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.15 | 0.17 | 0.24 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.12 | 0.16 | 0.24 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.11 | 0.20 | 0.17 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.15 | 0.15 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.11 | 0.08 | 0.11 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.10 | 0.06 | 0.16 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.16 | 0.06 | 0.11 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.27 | 0.10 | 0.06 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.27 | 0.06 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.18 | | 0.00 | |

(Daily Kc values)
Root Vegetables

Sheet AB: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.515 | 1.052 | 1.052 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.537 | 1.052 | 1.052 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.559 | 1.052 | 1.052 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.582 | 1.052 | 1.052 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.604 | 1.052 | 1.052 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.627 | 1.052 | 1.052 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.649 | 1.052 | 1.052 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.671 | 1.052 | 1.052 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.694 | 1.052 | 1.052 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.716 | 1.052 | 1.047 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.739 | 1.052 | 1.042 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.761 | 1.052 | 1.037 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.784 | 1.052 | 1.032 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.806 | 1.052 | 1.027 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.828 | 1.052 | 1.022 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.851 | 1.052 | 1.017 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.873 | 1.052 | 1.012 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.896 | 1.052 | 1.007 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.918 | 1.052 | 1.002 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.940 | 1.052 | 0.997 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.290 | 0.963 | 1.052 | 0.992 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.313 | 0.985 | 1.052 | 0.987 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.335 | 1.008 | 1.052 | 0.982 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.358 | 1.030 | 1.052 | 0.977 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.380 | 1.052 | 1.052 | 0.972 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.052 | 1.052 | 0.967 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.425 | 1.052 | 1.052 | 0.962 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.447 | 1.052 | 1.052 | 0.957 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.470 | 1.052 | 1.052 | 0.952 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.492 | 1.052 | 1.052 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 1.052 | | 0.000 |

ET calculations for Sheet AC: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Perennial Vegetables [artichokes & asparagus])

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.10 | 0.20 | 0.33 | 0.34 | 0.00 | 0.26 | 0.12 | 0.08 | 0.04 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.08 | 0.31 | 0.33 | 0.37 | 0.19 | 0.22 | 0.13 | 0.05 | 0.04 | |
| 3 | 0.06 | 0.04 | 0.09 | 0.11 | 0.33 | 0.31 | 0.38 | 0.26 | 0.19 | 0.11 | 0.04 | 0.06 | |
| 4 | 0.05 | -0.03 | 0.06 | 0.08 | 0.26 | 0.24 | 0.32 | 0.25 | 0.18 | 0.10 | 0.04 | 0.06 | |
| 5 | 0.04 | -0.06 | 0.05 | 0.12 | 0.39 | 0.30 | 0.27 | 0.27 | 0.18 | 0.10 | 0.04 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.07 | 0.13 | 0.31 | 0.35 | 0.25 | 0.32 | 0.17 | 0.15 | 0.06 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.11 | 0.31 | 0.33 | 0.24 | 0.27 | 0.17 | 0.18 | 0.03 | 0.04 | |
| 8 | 0.05 | 0.03 | 0.05 | 0.13 | 0.37 | 0.31 | 0.17 | 0.26 | 0.17 | 0.16 | 0.04 | 0.05 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.17 | 0.31 | 0.29 | 0.27 | 0.25 | 0.10 | 0.09 | 0.05 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.04 | 0.16 | 0.28 | 0.29 | 0.26 | 0.24 | 0.17 | 0.09 | 0.03 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.05 | 0.14 | 0.33 | 0.27 | 0.17 | 0.24 | 0.17 | 0.09 | 0.05 | 0.06 | |
| 12 | 0.04 | 0.06 | 0.07 | 0.15 | 0.36 | 0.28 | 0.13 | 0.23 | 0.20 | 0.10 | 0.06 | 0.04 | |
| 13 | 0.05 | 0.05 | 0.05 | 0.14 | 0.43 | 0.28 | 0.17 | 0.25 | 0.18 | 0.11 | 0.06 | 0.03 | |
| 14 | 0.07 | 0.05 | 0.05 | 0.28 | 0.38 | 0.35 | 0.24 | 0.24 | 0.18 | 0.08 | 0.04 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.39 | 0.30 | 0.35 | 0.26 | 0.26 | 0.17 | 0.08 | 0.03 | 0.07 | |
| 16 | 0.02 | 0.03 | 0.04 | 0.32 | 0.36 | 0.35 | 0.30 | 0.22 | 0.17 | 0.19 | 0.02 | 0.05 | |
| 17 | 0.02 | 0.04 | 0.05 | 0.19 | 0.27 | 0.33 | 0.28 | 0.25 | 0.15 | 0.18 | 0.04 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.05 | 0.20 | 0.31 | 0.33 | 0.27 | 0.27 | 0.20 | 0.08 | 0.06 | 0.02 | |
| 19 | 0.04 | 0.07 | 0.05 | 0.27 | 0.35 | 0.30 | 0.28 | 0.19 | 0.15 | 0.13 | 0.03 | 0.05 | |
| 20 | 0.06 | 0.08 | 0.08 | 0.27 | 0.34 | 0.30 | 0.28 | 0.21 | 0.15 | 0.12 | 0.03 | 0.06 | |
| 21 | 0.08 | 0.04 | 0.06 | 0.27 | 0.32 | 0.40 | 0.27 | 0.23 | 0.15 | 0.11 | 0.05 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.06 | 0.34 | 0.34 | 0.30 | 0.27 | 0.28 | 0.07 | 0.08 | 0.05 | 0.08 | |
| 23 | 0.03 | 0.06 | 0.08 | 0.18 | 0.25 | 0.28 | 0.28 | 0.17 | 0.12 | 0.07 | 0.05 | 0.08 | |
| 24 | 0.03 | 0.04 | 0.07 | 0.08 | 0.22 | 0.30 | 0.29 | 0.25 | 0.13 | 0.06 | 0.06 | 0.06 | |
| 25 | 0.03 | 0.05 | 0.07 | 0.18 | 0.25 | 0.32 | 0.29 | 0.25 | 0.13 | 0.06 | 0.04 | 0.05 | |
| 26 | -0.03 | 0.06 | 0.12 | 0.26 | 0.28 | 0.32 | 0.27 | 0.23 | 0.13 | 0.05 | 0.02 | 0.04 | |
| 27 | 0.02 | 0.04 | 0.10 | 0.36 | 0.32 | 0.31 | 0.14 | 0.25 | 0.15 | 0.05 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.05 | 0.08 | 0.32 | 0.35 | 0.32 | 0.18 | 0.23 | 0.28 | 0.08 | 0.02 | 0.04 | |
| 29 | 0.06 | | 0.11 | 0.09 | 0.43 | 0.32 | 0.18 | 0.22 | 0.25 | 0.13 | 0.03 | 0.02 | |
| 30 | 0.02 | | 0.14 | 0.09 | 0.37 | 0.31 | 0.26 | 0.23 | 0.12 | 0.13 | 0.02 | 0.02 | |
| 31 | 0.05 | | 0.14 | | 0.36 | | 0.26 | 0.24 | | 0.08 | | 0.02 | |

(Daily Kc values)
Perennial Vegetables

Sheet AC: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.321 | 0.321 | 0.321 | 0.542 | 0.965 | 0.965 | 0.965 | 0.965 | 0.895 | 0.687 | 0.471 | 0.321 |
| 2 | 0.321 | 0.321 | 0.321 | 0.560 | 0.965 | 0.965 | 0.965 | 0.965 | 0.889 | 0.680 | 0.464 | 0.321 |
| 3 | 0.321 | 0.321 | 0.321 | 0.579 | 0.965 | 0.965 | 0.965 | 0.965 | 0.882 | 0.673 | 0.457 | 0.321 |
| 4 | 0.321 | 0.321 | 0.321 | 0.597 | 0.965 | 0.965 | 0.965 | 0.965 | 0.875 | 0.666 | 0.450 | 0.321 |
| 5 | 0.321 | 0.321 | 0.321 | 0.616 | 0.965 | 0.965 | 0.965 | 0.965 | 0.868 | 0.659 | 0.443 | 0.321 |
| 6 | 0.321 | 0.321 | 0.321 | 0.634 | 0.965 | 0.965 | 0.965 | 0.965 | 0.861 | 0.652 | 0.436 | 0.321 |
| 7 | 0.321 | 0.321 | 0.321 | 0.652 | 0.965 | 0.965 | 0.965 | 0.965 | 0.854 | 0.645 | 0.429 | 0.321 |
| 8 | 0.321 | 0.321 | 0.321 | 0.671 | 0.965 | 0.965 | 0.965 | 0.965 | 0.847 | 0.638 | 0.422 | 0.321 |
| 9 | 0.321 | 0.321 | 0.321 | 0.689 | 0.965 | 0.965 | 0.965 | 0.965 | 0.840 | 0.631 | 0.415 | 0.321 |
| 10 | 0.321 | 0.321 | 0.321 | 0.708 | 0.965 | 0.965 | 0.965 | 0.965 | 0.833 | 0.624 | 0.408 | 0.321 |
| 11 | 0.321 | 0.321 | 0.321 | 0.726 | 0.965 | 0.965 | 0.965 | 0.965 | 0.826 | 0.617 | 0.401 | 0.321 |
| 12 | 0.321 | 0.321 | 0.321 | 0.744 | 0.965 | 0.965 | 0.965 | 0.965 | 0.819 | 0.610 | 0.394 | 0.321 |
| 13 | 0.321 | 0.321 | 0.321 | 0.763 | 0.965 | 0.965 | 0.965 | 0.965 | 0.812 | 0.603 | 0.387 | 0.321 |
| 14 | 0.321 | 0.321 | 0.321 | 0.781 | 0.965 | 0.965 | 0.965 | 0.965 | 0.805 | 0.596 | 0.380 | 0.321 |
| 15 | 0.321 | 0.321 | 0.321 | 0.800 | 0.965 | 0.965 | 0.965 | 0.965 | 0.798 | 0.589 | 0.373 | 0.321 |
| 16 | 0.321 | 0.321 | 0.321 | 0.818 | 0.965 | 0.965 | 0.965 | 0.965 | 0.791 | 0.582 | 0.366 | 0.321 |
| 17 | 0.321 | 0.321 | 0.321 | 0.836 | 0.965 | 0.965 | 0.965 | 0.965 | 0.784 | 0.575 | 0.359 | 0.321 |
| 18 | 0.321 | 0.321 | 0.321 | 0.855 | 0.965 | 0.965 | 0.965 | 0.965 | 0.777 | 0.568 | 0.353 | 0.321 |
| 19 | 0.321 | 0.321 | 0.321 | 0.873 | 0.965 | 0.965 | 0.965 | 0.965 | 0.770 | 0.561 | 0.346 | 0.321 |
| 20 | 0.321 | 0.321 | 0.321 | 0.892 | 0.965 | 0.965 | 0.965 | 0.965 | 0.763 | 0.554 | 0.339 | 0.321 |
| 21 | 0.321 | 0.321 | 0.340 | 0.910 | 0.965 | 0.965 | 0.965 | 0.965 | 0.756 | 0.547 | 0.332 | 0.321 |
| 22 | 0.321 | 0.321 | 0.358 | 0.928 | 0.965 | 0.965 | 0.965 | 0.965 | 0.749 | 0.540 | 0.325 | 0.321 |
| 23 | 0.321 | 0.321 | 0.377 | 0.947 | 0.965 | 0.965 | 0.965 | 0.958 | 0.742 | 0.534 | 0.318 | 0.321 |
| 24 | 0.321 | 0.321 | 0.395 | 0.965 | 0.965 | 0.965 | 0.965 | 0.951 | 0.735 | 0.527 | 0.311 | 0.321 |
| 25 | 0.321 | 0.321 | 0.413 | 0.965 | 0.965 | 0.965 | 0.965 | 0.944 | 0.728 | 0.520 | 0.304 | 0.321 |
| 26 | 0.321 | 0.321 | 0.432 | 0.965 | 0.965 | 0.965 | 0.965 | 0.937 | 0.721 | 0.513 | 0.297 | 0.321 |
| 27 | 0.321 | 0.321 | 0.450 | 0.965 | 0.965 | 0.965 | 0.965 | 0.930 | 0.714 | 0.506 | 0.290 | 0.321 |
| 28 | 0.321 | 0.321 | 0.468 | 0.965 | 0.965 | 0.965 | 0.965 | 0.923 | 0.708 | 0.499 | 0.283 | 0.321 |
| 29 | 0.321 | | 0.487 | 0.965 | 0.965 | 0.965 | 0.965 | 0.916 | 0.701 | 0.492 | 0.276 | 0.321 |
| 30 | 0.321 | | 0.505 | 0.965 | 0.965 | 0.965 | 0.965 | 0.909 | 0.694 | 0.485 | 0.269 | 0.321 |
| 31 | 0.321 | | 0.524 | | 0.965 | | 0.965 | 0.902 | | 0.478 | | 0.321 |

ET calculations for
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Sugar Beets)

Sheet AD: Page 1 of 2

1999 CROP ET

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.10 | 0.11 | 0.17 | 0.20 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.04 | |
| 2 | 0.10 | 0.16 | 0.17 | 0.16 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.04 | |
| 3 | 0.12 | 0.10 | 0.29 | 0.21 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.06 | |
| 4 | 0.09 | 0.03 | 0.22 | 0.14 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.02 | 0.06 | |
| 5 | 0.08 | -0.03 | 0.17 | 0.20 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.02 | 0.03 | |
| 6 | 0.05 | 0.06 | 0.23 | 0.23 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.03 | |
| 7 | 0.03 | 0.06 | 0.18 | 0.18 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.02 | 0.05 | |
| 8 | 0.11 | 0.07 | 0.15 | 0.21 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.02 | 0.06 | |
| 9 | 0.15 | 0.12 | 0.17 | 0.27 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.02 | |
| 10 | 0.11 | 0.14 | 0.14 | 0.25 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.02 | 0.05 | |
| 11 | 0.04 | 0.14 | 0.18 | 0.20 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.08 | |
| 12 | 0.08 | 0.19 | 0.23 | 0.22 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.06 | |
| 13 | 0.10 | 0.13 | 0.17 | 0.20 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.04 | |
| 14 | 0.16 | 0.13 | 0.15 | 0.39 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.08 | |
| 15 | 0.06 | 0.15 | 0.23 | 0.52 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.02 | 0.09 | |
| 16 | 0.05 | 0.10 | 0.15 | 0.42 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.02 | 0.07 | |
| 17 | 0.04 | 0.11 | 0.17 | 0.24 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.03 | 0.07 | |
| 18 | 0.07 | 0.13 | 0.16 | 0.25 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.05 | 0.04 | |
| 19 | 0.09 | 0.20 | 0.16 | 0.34 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.02 | 0.08 | |
| 20 | 0.13 | 0.26 | 0.28 | 0.33 | 0.26 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.02 | 0.09 | |
| 21 | 0.18 | 0.13 | 0.20 | 0.32 | 0.24 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.04 | 0.08 | |
| 22 | 0.10 | 0.25 | 0.18 | 0.39 | 0.26 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.04 | 0.12 | |
| 23 | 0.08 | 0.20 | 0.23 | 0.20 | 0.18 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.04 | 0.12 | |
| 24 | 0.06 | 0.13 | 0.20 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.05 | 0.09 | |
| 25 | 0.09 | 0.17 | 0.19 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.04 | 0.08 | |
| 26 | 0.01 | 0.20 | 0.30 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.02 | 0.06 | |
| 27 | 0.06 | 0.14 | 0.24 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.03 | 0.02 | 0.09 | |
| 28 | 0.13 | 0.15 | 0.19 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.04 | 0.02 | 0.06 | |
| 29 | 0.15 | | 0.24 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.07 | 0.03 | 0.03 | |
| 30 | 0.06 | | 0.31 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.02 | 0.04 | |
| 31 | 0.13 | | 0.28 | | 0.00 | | 0.00 | 0.00 | | 0.05 | | 0.04 | |

(Daily Kc values)

Sheet AD: Page 2 of 2

1999 CROP ET

Sugar Beets

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.584 | 0.836 | 1.063 | 1.079 | 1.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.333 |
| 2 | 0.592 | 0.844 | 1.071 | 1.079 | 1.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.341 |
| 3 | 0.601 | 0.852 | 1.079 | 1.079 | 0.993 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.349 |
| 4 | 0.609 | 0.860 | 1.079 | 1.079 | 0.979 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.357 |
| 5 | 0.617 | 0.868 | 1.079 | 1.079 | 0.965 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.365 |
| 6 | 0.625 | 0.876 | 1.079 | 1.079 | 0.950 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.373 |
| 7 | 0.633 | 0.884 | 1.079 | 1.079 | 0.936 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.382 |
| 8 | 0.641 | 0.892 | 1.079 | 1.079 | 0.922 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.390 |
| 9 | 0.649 | 0.901 | 1.079 | 1.079 | 0.908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.398 |
| 10 | 0.657 | 0.909 | 1.079 | 1.079 | 0.893 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.406 |
| 11 | 0.665 | 0.917 | 1.079 | 1.079 | 0.879 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.414 |
| 12 | 0.673 | 0.925 | 1.079 | 1.079 | 0.865 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.422 |
| 13 | 0.682 | 0.933 | 1.079 | 1.079 | 0.850 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.430 |
| 14 | 0.690 | 0.941 | 1.079 | 1.079 | 0.836 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.438 |
| 15 | 0.698 | 0.949 | 1.079 | 1.079 | 0.822 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.446 |
| 16 | 0.706 | 0.957 | 1.079 | 1.079 | 0.808 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.455 |
| 17 | 0.714 | 0.965 | 1.079 | 1.079 | 0.793 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.463 |
| 18 | 0.722 | 0.974 | 1.079 | 1.079 | 0.779 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.471 |
| 19 | 0.730 | 0.982 | 1.079 | 1.079 | 0.765 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.479 |
| 20 | 0.738 | 0.990 | 1.079 | 1.079 | 0.750 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.268 | 0.487 |
| 21 | 0.746 | 0.998 | 1.079 | 1.079 | 0.736 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.268 | 0.495 |
| 22 | 0.755 | 1.006 | 1.079 | 1.079 | 0.722 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.268 | 0.503 |
| 23 | 0.763 | 1.014 | 1.079 | 1.079 | 0.708 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.268 | 0.511 |
| 24 | 0.771 | 1.022 | 1.079 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.276 | 0.519 |
| 25 | 0.779 | 1.030 | 1.079 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.284 | 0.528 |
| 26 | 0.787 | 1.038 | 1.079 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.292 | 0.536 |
| 27 | 0.795 | 1.047 | 1.079 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.300 | 0.544 |
| 28 | 0.803 | 1.055 | 1.079 | 1.065 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.309 | 0.552 |
| 29 | 0.811 | | 1.079 | 1.050 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.317 | 0.560 |
| 30 | 0.819 | | 1.079 | 1.036 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.325 | 0.568 |
| 31 | 0.828 | | 1.079 | | 0.000 | | 0.000 | 0.000 | | 0.268 | | 0.576 |

ET calculations for Sheet AE: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Grapes)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.02 | 0.08 | 0.17 | 0.29 | 0.30 | 0.20 | 0.14 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.02 | 0.07 | 0.26 | 0.29 | 0.33 | 0.14 | 0.12 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.04 | 0.09 | 0.28 | 0.27 | 0.33 | 0.20 | 0.10 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.03 | 0.06 | 0.22 | 0.21 | 0.28 | 0.19 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.03 | 0.10 | 0.33 | 0.26 | 0.24 | 0.20 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.04 | 0.11 | 0.27 | 0.31 | 0.22 | 0.23 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.03 | 0.09 | 0.27 | 0.29 | 0.21 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.03 | 0.11 | 0.32 | 0.27 | 0.14 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.03 | 0.14 | 0.27 | 0.25 | 0.23 | 0.18 | 0.05 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.03 | 0.13 | 0.25 | 0.25 | 0.23 | 0.17 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.04 | 0.11 | 0.29 | 0.24 | 0.15 | 0.17 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.05 | 0.12 | 0.31 | 0.24 | 0.11 | 0.16 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.04 | 0.12 | 0.38 | 0.25 | 0.15 | 0.17 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.02 | 0.04 | 0.22 | 0.33 | 0.30 | 0.21 | 0.17 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.02 | 0.05 | 0.31 | 0.26 | 0.31 | 0.22 | 0.17 | 0.07 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.01 | 0.04 | 0.25 | 0.32 | 0.31 | 0.26 | 0.15 | 0.07 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.01 | 0.04 | 0.15 | 0.24 | 0.29 | 0.24 | 0.16 | 0.06 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.01 | 0.04 | 0.16 | 0.27 | 0.29 | 0.22 | 0.17 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.02 | 0.05 | 0.21 | 0.31 | 0.26 | 0.23 | 0.12 | 0.06 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.03 | 0.08 | 0.21 | 0.30 | 0.27 | 0.23 | 0.13 | 0.05 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.01 | 0.06 | 0.21 | 0.28 | 0.35 | 0.22 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.03 | 0.06 | 0.26 | 0.30 | 0.26 | 0.22 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.02 | 0.08 | 0.13 | 0.22 | 0.24 | 0.23 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.02 | 0.07 | 0.06 | 0.19 | 0.26 | 0.23 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.02 | 0.07 | 0.14 | 0.22 | 0.28 | 0.23 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.02 | 0.11 | 0.21 | 0.24 | 0.28 | 0.22 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.02 | 0.09 | 0.28 | 0.28 | 0.27 | 0.11 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.02 | 0.07 | 0.26 | 0.30 | 0.28 | 0.14 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.09 | 0.08 | 0.37 | 0.28 | 0.14 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.12 | 0.08 | 0.32 | 0.27 | 0.20 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.12 | | 0.31 | | 0.20 | 0.13 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet AE: Page 2 of 2

1999 CROP ET

Grapes

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.145 | 0.464 | 0.801 | 0.850 | 0.846 | 0.742 | 0.493 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.151 | 0.476 | 0.809 | 0.850 | 0.845 | 0.736 | 0.483 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.158 | 0.489 | 0.817 | 0.850 | 0.844 | 0.730 | 0.472 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.165 | 0.502 | 0.824 | 0.850 | 0.843 | 0.724 | 0.461 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.172 | 0.514 | 0.831 | 0.850 | 0.841 | 0.718 | 0.450 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.180 | 0.527 | 0.837 | 0.850 | 0.839 | 0.711 | 0.439 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.188 | 0.539 | 0.843 | 0.850 | 0.837 | 0.705 | 0.428 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.196 | 0.552 | 0.849 | 0.850 | 0.835 | 0.698 | 0.417 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.205 | 0.565 | 0.850 | 0.850 | 0.833 | 0.691 | 0.405 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.214 | 0.577 | 0.850 | 0.850 | 0.831 | 0.684 | 0.394 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.223 | 0.589 | 0.850 | 0.850 | 0.828 | 0.677 | 0.382 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.233 | 0.602 | 0.850 | 0.850 | 0.826 | 0.670 | 0.370 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.242 | 0.614 | 0.850 | 0.850 | 0.823 | 0.663 | 0.358 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.107 | 0.252 | 0.626 | 0.850 | 0.850 | 0.820 | 0.655 | 0.346 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.106 | 0.263 | 0.638 | 0.850 | 0.844 | 0.817 | 0.647 | 0.333 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.105 | 0.273 | 0.650 | 0.850 | 0.845 | 0.814 | 0.639 | 0.321 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.105 | 0.284 | 0.661 | 0.850 | 0.846 | 0.810 | 0.631 | 0.308 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.106 | 0.295 | 0.673 | 0.850 | 0.847 | 0.807 | 0.623 | 0.295 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.107 | 0.306 | 0.684 | 0.850 | 0.848 | 0.803 | 0.615 | 0.282 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.109 | 0.317 | 0.695 | 0.850 | 0.849 | 0.799 | 0.606 | 0.269 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.111 | 0.329 | 0.706 | 0.850 | 0.849 | 0.795 | 0.598 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.113 | 0.341 | 0.717 | 0.850 | 0.850 | 0.791 | 0.589 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.117 | 0.353 | 0.727 | 0.850 | 0.850 | 0.787 | 0.580 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.120 | 0.364 | 0.737 | 0.850 | 0.850 | 0.783 | 0.571 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.124 | 0.377 | 0.747 | 0.850 | 0.850 | 0.778 | 0.562 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.129 | 0.389 | 0.757 | 0.850 | 0.850 | 0.773 | 0.552 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.134 | 0.401 | 0.766 | 0.850 | 0.849 | 0.768 | 0.543 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.139 | 0.413 | 0.776 | 0.850 | 0.849 | 0.763 | 0.533 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.426 | 0.784 | 0.850 | 0.848 | 0.758 | 0.523 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.438 | 0.793 | 0.850 | 0.847 | 0.753 | 0.513 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.451 | | 0.850 | | 0.747 | 0.503 | | 0.000 | | 0.000 |

ET calculations for Sheet AF: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Marsh [40% cattail, bullrush, phragmites{bamboo}])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.03 | 0.04 | 0.21 | 0.24 | 0.40 | 0.41 | 0.32 | 0.34 | 0.18 | 0.04 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.05 | 0.17 | 0.37 | 0.40 | 0.44 | 0.23 | 0.29 | 0.19 | 0.03 | 0.03 | |
| 3 | 0.05 | 0.03 | 0.09 | 0.22 | 0.39 | 0.37 | 0.45 | 0.31 | 0.24 | 0.15 | 0.02 | 0.04 | |
| 4 | 0.04 | 0.02 | 0.07 | 0.14 | 0.31 | 0.28 | 0.38 | 0.29 | 0.24 | 0.14 | 0.02 | 0.05 | |
| 5 | 0.03 | 0.01 | 0.06 | 0.22 | 0.46 | 0.35 | 0.32 | 0.32 | 0.24 | 0.14 | 0.02 | 0.02 | |
| 6 | 0.02 | 0.02 | 0.09 | 0.24 | 0.37 | 0.42 | 0.30 | 0.38 | 0.23 | 0.19 | 0.04 | 0.02 | |
| 7 | 0.01 | 0.02 | 0.08 | 0.19 | 0.37 | 0.39 | 0.29 | 0.32 | 0.23 | 0.22 | 0.02 | 0.03 | |
| 8 | 0.04 | 0.02 | 0.07 | 0.22 | 0.44 | 0.37 | 0.20 | 0.31 | 0.23 | 0.19 | 0.02 | 0.04 | |
| 9 | 0.06 | 0.03 | 0.08 | 0.29 | 0.37 | 0.34 | 0.32 | 0.30 | 0.14 | 0.11 | 0.03 | 0.01 | |
| 10 | 0.04 | 0.04 | 0.07 | 0.26 | 0.34 | 0.34 | 0.31 | 0.29 | 0.23 | 0.11 | 0.02 | 0.03 | |
| 11 | 0.02 | 0.04 | 0.10 | 0.22 | 0.39 | 0.33 | 0.21 | 0.29 | 0.24 | 0.10 | 0.03 | 0.05 | |
| 12 | 0.03 | 0.05 | 0.13 | 0.23 | 0.43 | 0.33 | 0.16 | 0.28 | 0.29 | 0.10 | 0.04 | 0.03 | |
| 13 | 0.04 | 0.03 | 0.10 | 0.22 | 0.52 | 0.34 | 0.21 | 0.30 | 0.25 | 0.12 | 0.04 | 0.02 | |
| 14 | 0.06 | 0.03 | 0.09 | 0.41 | 0.45 | 0.41 | 0.29 | 0.29 | 0.26 | 0.09 | 0.03 | 0.05 | |
| 15 | 0.02 | 0.04 | 0.15 | 0.56 | 0.36 | 0.42 | 0.31 | 0.31 | 0.24 | 0.08 | 0.02 | 0.05 | |
| 16 | 0.02 | 0.03 | 0.10 | 0.45 | 0.43 | 0.42 | 0.36 | 0.27 | 0.24 | 0.17 | 0.02 | 0.04 | |
| 17 | 0.01 | 0.03 | 0.12 | 0.26 | 0.33 | 0.40 | 0.34 | 0.29 | 0.23 | 0.16 | 0.03 | 0.04 | |
| 18 | 0.02 | 0.03 | 0.12 | 0.27 | 0.37 | 0.40 | 0.32 | 0.32 | 0.30 | 0.07 | 0.04 | 0.02 | |
| 19 | 0.03 | 0.05 | 0.12 | 0.36 | 0.42 | 0.36 | 0.33 | 0.23 | 0.23 | 0.10 | 0.02 | 0.04 | |
| 20 | 0.04 | 0.06 | 0.22 | 0.35 | 0.40 | 0.36 | 0.33 | 0.25 | 0.23 | 0.09 | 0.02 | 0.05 | |
| 21 | 0.06 | 0.03 | 0.16 | 0.34 | 0.38 | 0.48 | 0.32 | 0.28 | 0.24 | 0.08 | 0.04 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.15 | 0.42 | 0.41 | 0.36 | 0.32 | 0.33 | 0.10 | 0.06 | 0.04 | 0.06 | |
| 23 | 0.03 | 0.05 | 0.20 | 0.21 | 0.29 | 0.33 | 0.33 | 0.21 | 0.19 | 0.04 | 0.04 | 0.06 | |
| 24 | 0.02 | 0.03 | 0.18 | 0.10 | 0.26 | 0.35 | 0.34 | 0.29 | 0.20 | 0.03 | 0.05 | 0.04 | |
| 25 | 0.03 | 0.04 | 0.18 | 0.21 | 0.30 | 0.38 | 0.34 | 0.30 | 0.20 | 0.03 | 0.04 | 0.04 | |
| 26 | 0.02 | 0.05 | 0.28 | 0.31 | 0.33 | 0.38 | 0.32 | 0.28 | 0.21 | 0.02 | 0.02 | 0.03 | |
| 27 | 0.02 | 0.03 | 0.23 | 0.43 | 0.38 | 0.37 | 0.16 | 0.31 | 0.23 | 0.02 | 0.01 | 0.04 | |
| 28 | 0.04 | 0.03 | 0.19 | 0.38 | 0.41 | 0.38 | 0.22 | 0.29 | 0.43 | 0.04 | 0.01 | 0.03 | |
| 29 | 0.04 | | 0.25 | 0.11 | 0.51 | 0.38 | 0.21 | 0.27 | 0.37 | 0.06 | 0.02 | 0.01 | |
| 30 | 0.02 | | 0.33 | 0.11 | 0.44 | 0.37 | 0.31 | 0.29 | 0.18 | 0.06 | 0.01 | 0.02 | |
| 31 | 0.04 | | 0.30 | | 0.43 | | 0.31 | 0.31 | | 0.04 | | 0.02 | |

Marsh

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.246 | 0.246 | 0.276 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.998 | 0.250 | 0.250 |
| 2 | 0.246 | 0.246 | 0.306 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.968 | 0.250 | 0.250 |
| 3 | 0.246 | 0.246 | 0.337 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.937 | 0.250 | 0.250 |
| 4 | 0.246 | 0.246 | 0.367 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.907 | 0.250 | 0.250 |
| 5 | 0.246 | 0.246 | 0.397 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.877 | 0.250 | 0.250 |
| 6 | 0.246 | 0.246 | 0.427 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.846 | 0.250 | 0.250 |
| 7 | 0.246 | 0.246 | 0.457 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.816 | 0.250 | 0.250 |
| 8 | 0.246 | 0.246 | 0.487 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.786 | 0.250 | 0.250 |
| 9 | 0.246 | 0.246 | 0.517 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.755 | 0.250 | 0.250 |
| 10 | 0.246 | 0.246 | 0.547 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.725 | 0.250 | 0.250 |
| 11 | 0.246 | 0.246 | 0.577 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.695 | 0.250 | 0.250 |
| 12 | 0.246 | 0.246 | 0.608 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.664 | 0.250 | 0.250 |
| 13 | 0.246 | 0.246 | 0.638 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.634 | 0.250 | 0.250 |
| 14 | 0.246 | 0.246 | 0.668 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.604 | 0.250 | 0.250 |
| 15 | 0.246 | 0.246 | 0.698 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.574 | 0.250 | 0.250 |
| 16 | 0.246 | 0.246 | 0.728 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.543 | 0.250 | 0.250 |
| 17 | 0.246 | 0.246 | 0.758 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.513 | 0.250 | 0.250 |
| 18 | 0.246 | 0.246 | 0.788 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.483 | 0.250 | 0.250 |
| 19 | 0.246 | 0.246 | 0.818 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.452 | 0.250 | 0.250 |
| 20 | 0.246 | 0.246 | 0.848 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.422 | 0.250 | 0.250 |
| 21 | 0.246 | 0.246 | 0.879 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.392 | 0.250 | 0.250 |
| 22 | 0.246 | 0.246 | 0.909 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.361 | 0.250 | 0.250 |
| 23 | 0.246 | 0.246 | 0.939 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.331 | 0.250 | 0.250 |
| 24 | 0.246 | 0.246 | 0.969 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.301 | 0.250 | 0.250 |
| 25 | 0.246 | 0.246 | 0.999 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.270 | 0.250 | 0.250 |
| 26 | 0.246 | 0.246 | 1.029 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.240 | 0.250 | 0.250 |
| 27 | 0.246 | 0.246 | 1.059 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.119 | 0.250 | 0.250 | 0.250 |
| 28 | 0.246 | 0.246 | 1.089 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.089 | 0.250 | 0.250 | 0.250 |
| 29 | 0.246 | | 1.119 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.059 | 0.250 | 0.250 | 0.250 |
| 30 | 0.246 | | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.028 | 0.250 | 0.250 | 0.250 |
| 31 | 0.246 | | 1.150 | | 1.150 | | 1.150 | 1.150 | | 0.250 | | 0.250 |

ET calculations for Sheet AG: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Barren [\leq 10% vegetation])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.09 | 0.07 | 0.09 | 0.06 | 0.06 | 0.09 | 0.10 | 0.07 | 0.08 | 0.05 | 0.06 | 0.06 | |
| 2 | 0.10 | 0.11 | 0.09 | 0.05 | 0.09 | 0.09 | 0.10 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.06 |
| 3 | 0.11 | 0.07 | 0.14 | 0.06 | 0.09 | 0.09 | 0.11 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.09 |
| 4 | 0.08 | 0.05 | 0.11 | 0.04 | 0.07 | 0.07 | 0.09 | 0.07 | 0.06 | 0.04 | 0.03 | 0.03 | 0.09 |
| 5 | 0.07 | 0.03 | 0.08 | 0.06 | 0.11 | 0.08 | 0.08 | 0.07 | 0.06 | 0.04 | 0.03 | 0.03 | 0.05 |
| 6 | 0.04 | 0.04 | 0.11 | 0.06 | 0.09 | 0.10 | 0.07 | 0.09 | 0.05 | 0.06 | 0.06 | 0.06 | 0.04 |
| 7 | 0.03 | 0.03 | 0.09 | 0.05 | 0.09 | 0.09 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.03 | 0.07 |
| 8 | 0.09 | 0.04 | 0.07 | 0.06 | 0.10 | 0.09 | 0.05 | 0.07 | 0.05 | 0.07 | 0.04 | 0.04 | 0.09 |
| 9 | 0.13 | 0.08 | 0.08 | 0.07 | 0.09 | 0.08 | 0.07 | 0.07 | 0.03 | 0.04 | 0.04 | 0.04 | 0.03 |
| 10 | 0.09 | 0.09 | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.07 | 0.05 | 0.04 | 0.03 | 0.03 | 0.07 |
| 11 | 0.03 | 0.08 | 0.08 | 0.05 | 0.09 | 0.08 | 0.05 | 0.07 | 0.06 | 0.04 | 0.05 | 0.05 | 0.11 |
| 12 | 0.07 | 0.11 | 0.10 | 0.05 | 0.10 | 0.08 | 0.04 | 0.07 | 0.07 | 0.04 | 0.06 | 0.06 | 0.07 |
| 13 | 0.08 | 0.08 | 0.07 | 0.05 | 0.12 | 0.08 | 0.05 | 0.07 | 0.06 | 0.05 | 0.06 | 0.06 | 0.05 |
| 14 | 0.13 | 0.08 | 0.07 | 0.10 | 0.11 | 0.10 | 0.07 | 0.07 | 0.06 | 0.04 | 0.05 | 0.05 | 0.10 |
| 15 | 0.05 | 0.09 | 0.09 | 0.13 | 0.08 | 0.10 | 0.07 | 0.07 | 0.06 | 0.04 | 0.03 | 0.03 | 0.12 |
| 16 | 0.04 | 0.06 | 0.06 | 0.11 | 0.10 | 0.10 | 0.09 | 0.06 | 0.06 | 0.09 | 0.03 | 0.03 | 0.09 |
| 17 | 0.03 | 0.06 | 0.07 | 0.06 | 0.08 | 0.09 | 0.08 | 0.07 | 0.05 | 0.09 | 0.04 | 0.04 | 0.09 |
| 18 | 0.05 | 0.08 | 0.06 | 0.06 | 0.09 | 0.09 | 0.07 | 0.07 | 0.07 | 0.04 | 0.07 | 0.07 | 0.04 |
| 19 | 0.07 | 0.11 | 0.06 | 0.08 | 0.10 | 0.08 | 0.08 | 0.05 | 0.05 | 0.07 | 0.03 | 0.03 | 0.10 |
| 20 | 0.10 | 0.14 | 0.11 | 0.08 | 0.10 | 0.09 | 0.08 | 0.06 | 0.05 | 0.06 | 0.04 | 0.04 | 0.10 |
| 21 | 0.13 | 0.07 | 0.08 | 0.08 | 0.09 | 0.11 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.10 |
| 22 | 0.07 | 0.13 | 0.07 | 0.10 | 0.10 | 0.08 | 0.07 | 0.08 | 0.02 | 0.05 | 0.07 | 0.07 | 0.14 |
| 23 | 0.06 | 0.11 | 0.08 | 0.05 | 0.07 | 0.08 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.07 | 0.14 |
| 24 | 0.04 | 0.07 | 0.07 | 0.02 | 0.06 | 0.08 | 0.08 | 0.07 | 0.05 | 0.03 | 0.09 | 0.09 | 0.10 |
| 25 | 0.07 | 0.09 | 0.07 | 0.05 | 0.07 | 0.09 | 0.08 | 0.07 | 0.05 | 0.04 | 0.07 | 0.07 | 0.09 |
| 26 | 0.05 | 0.11 | 0.10 | 0.07 | 0.08 | 0.09 | 0.08 | 0.07 | 0.05 | 0.03 | 0.04 | 0.04 | 0.07 |
| 27 | 0.04 | 0.07 | 0.08 | 0.10 | 0.09 | 0.09 | 0.04 | 0.07 | 0.06 | 0.03 | 0.03 | 0.03 | 0.10 |
| 28 | 0.09 | 0.08 | 0.06 | 0.09 | 0.10 | 0.09 | 0.05 | 0.07 | 0.11 | 0.05 | 0.03 | 0.03 | 0.07 |
| 29 | 0.10 | | 0.08 | 0.03 | 0.12 | 0.09 | 0.05 | 0.06 | 0.10 | 0.09 | 0.05 | 0.05 | 0.04 |
| 30 | 0.04 | | 0.10 | 0.03 | 0.10 | 0.09 | 0.07 | 0.07 | 0.05 | 0.09 | 0.03 | 0.03 | 0.04 |
| 31 | 0.09 | | 0.09 | | 0.10 | | 0.07 | 0.07 | | 0.06 | | 0.06 | 0.04 |

Barren

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.551 | 0.551 | 0.551 | 0.335 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.359 | 0.490 |
| 2 | 0.551 | 0.551 | 0.544 | 0.328 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.364 | 0.495 |
| 3 | 0.551 | 0.551 | 0.537 | 0.321 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.368 | 0.499 |
| 4 | 0.551 | 0.551 | 0.530 | 0.314 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.372 | 0.504 |
| 5 | 0.551 | 0.551 | 0.523 | 0.307 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.377 | 0.508 |
| 6 | 0.551 | 0.551 | 0.516 | 0.300 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.381 | 0.512 |
| 7 | 0.551 | 0.551 | 0.509 | 0.293 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.385 | 0.517 |
| 8 | 0.551 | 0.551 | 0.502 | 0.286 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.390 | 0.521 |
| 9 | 0.551 | 0.551 | 0.495 | 0.279 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.394 | 0.525 |
| 10 | 0.551 | 0.551 | 0.488 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.399 | 0.530 |
| 11 | 0.551 | 0.551 | 0.481 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.403 | 0.534 |
| 12 | 0.551 | 0.551 | 0.474 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.407 | 0.539 |
| 13 | 0.551 | 0.551 | 0.467 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.276 | 0.412 | 0.543 |
| 14 | 0.551 | 0.551 | 0.460 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.280 | 0.416 | 0.547 |
| 15 | 0.551 | 0.551 | 0.453 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.285 | 0.420 | 0.552 |
| 16 | 0.551 | 0.551 | 0.446 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.289 | 0.425 | 0.556 |
| 17 | 0.551 | 0.551 | 0.439 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.294 | 0.429 | 0.560 |
| 18 | 0.551 | 0.551 | 0.432 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.298 | 0.434 | 0.565 |
| 19 | 0.551 | 0.551 | 0.425 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.302 | 0.438 | 0.569 |
| 20 | 0.551 | 0.551 | 0.419 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.307 | 0.442 | 0.574 |
| 21 | 0.551 | 0.551 | 0.412 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.311 | 0.447 | 0.578 |
| 22 | 0.551 | 0.551 | 0.405 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.315 | 0.451 | 0.582 |
| 23 | 0.551 | 0.551 | 0.398 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.320 | 0.455 | 0.587 |
| 24 | 0.551 | 0.551 | 0.391 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.324 | 0.460 | 0.591 |
| 25 | 0.551 | 0.551 | 0.384 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.329 | 0.464 | 0.595 |
| 26 | 0.551 | 0.551 | 0.377 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.333 | 0.469 | 0.600 |
| 27 | 0.551 | 0.551 | 0.370 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.337 | 0.473 | 0.604 |
| 28 | 0.551 | 0.551 | 0.363 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.342 | 0.477 | 0.609 |
| 29 | 0.551 | | 0.356 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.346 | 0.482 | 0.613 |
| 30 | 0.551 | | 0.349 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.350 | 0.486 | 0.617 |
| 31 | 0.551 | | 0.342 | | 0.272 | | 0.272 | 0.272 | | 0.355 | | 0.622 |

ET calculations for Sheet AH: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Sc-low [11-60% salt cedar & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.03 | 0.03 | 0.04 | 0.11 | 0.30 | 0.32 | 0.25 | 0.26 | 0.15 | 0.09 | 0.04 | |
| 2 | 0.04 | 0.04 | 0.03 | 0.03 | 0.17 | 0.31 | 0.35 | 0.18 | 0.23 | 0.16 | 0.06 | 0.04 | |
| 3 | 0.04 | 0.03 | 0.06 | 0.04 | 0.18 | 0.29 | 0.35 | 0.24 | 0.19 | 0.13 | 0.05 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.04 | 0.03 | 0.15 | 0.22 | 0.30 | 0.23 | 0.19 | 0.12 | 0.04 | 0.05 | |
| 5 | 0.03 | 0.01 | 0.03 | 0.04 | 0.22 | 0.28 | 0.25 | 0.25 | 0.19 | 0.12 | 0.04 | 0.02 | |
| 6 | 0.02 | 0.01 | 0.04 | 0.05 | 0.18 | 0.33 | 0.24 | 0.30 | 0.18 | 0.18 | 0.07 | 0.02 | |
| 7 | 0.01 | 0.01 | 0.04 | 0.04 | 0.18 | 0.31 | 0.23 | 0.25 | 0.18 | 0.21 | 0.04 | 0.03 | |
| 8 | 0.04 | 0.02 | 0.03 | 0.05 | 0.23 | 0.29 | 0.16 | 0.24 | 0.18 | 0.19 | 0.04 | 0.04 | |
| 9 | 0.05 | 0.03 | 0.03 | 0.06 | 0.19 | 0.27 | 0.25 | 0.24 | 0.11 | 0.11 | 0.05 | 0.01 | |
| 10 | 0.03 | 0.03 | 0.03 | 0.06 | 0.18 | 0.27 | 0.25 | 0.22 | 0.18 | 0.11 | 0.04 | 0.03 | |
| 11 | 0.01 | 0.03 | 0.03 | 0.05 | 0.21 | 0.26 | 0.16 | 0.23 | 0.19 | 0.11 | 0.06 | 0.04 | |
| 12 | 0.03 | 0.04 | 0.04 | 0.06 | 0.24 | 0.26 | 0.12 | 0.22 | 0.22 | 0.11 | 0.07 | 0.03 | |
| 13 | 0.03 | 0.03 | 0.03 | 0.06 | 0.29 | 0.26 | 0.16 | 0.24 | 0.20 | 0.13 | 0.06 | 0.02 | |
| 14 | 0.05 | 0.03 | 0.03 | 0.11 | 0.26 | 0.32 | 0.23 | 0.23 | 0.20 | 0.10 | 0.05 | 0.04 | |
| 15 | 0.02 | 0.03 | 0.04 | 0.16 | 0.21 | 0.33 | 0.25 | 0.24 | 0.19 | 0.10 | 0.03 | 0.04 | |
| 16 | 0.01 | 0.02 | 0.03 | 0.13 | 0.26 | 0.33 | 0.29 | 0.21 | 0.19 | 0.22 | 0.03 | 0.03 | |
| 17 | 0.01 | 0.02 | 0.03 | 0.08 | 0.20 | 0.31 | 0.27 | 0.23 | 0.18 | 0.21 | 0.04 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.03 | 0.08 | 0.23 | 0.31 | 0.25 | 0.25 | 0.24 | 0.10 | 0.07 | 0.01 | |
| 19 | 0.03 | 0.04 | 0.03 | 0.12 | 0.26 | 0.28 | 0.26 | 0.18 | 0.18 | 0.15 | 0.03 | 0.03 | |
| 20 | 0.04 | 0.05 | 0.05 | 0.12 | 0.26 | 0.29 | 0.26 | 0.20 | 0.18 | 0.14 | 0.03 | 0.04 | |
| 21 | 0.05 | 0.03 | 0.04 | 0.12 | 0.24 | 0.38 | 0.25 | 0.22 | 0.19 | 0.14 | 0.05 | 0.03 | |
| 22 | 0.03 | 0.05 | 0.03 | 0.15 | 0.27 | 0.28 | 0.25 | 0.26 | 0.08 | 0.10 | 0.06 | 0.05 | |
| 23 | 0.02 | 0.04 | 0.04 | 0.08 | 0.20 | 0.26 | 0.26 | 0.16 | 0.15 | 0.08 | 0.05 | 0.05 | |
| 24 | 0.02 | 0.03 | 0.04 | 0.04 | 0.17 | 0.28 | 0.27 | 0.23 | 0.15 | 0.07 | 0.06 | 0.04 | |
| 25 | 0.02 | 0.03 | 0.04 | 0.08 | 0.21 | 0.30 | 0.27 | 0.24 | 0.16 | 0.07 | 0.05 | 0.03 | |
| 26 | 0.02 | 0.04 | 0.06 | 0.12 | 0.23 | 0.30 | 0.25 | 0.22 | 0.16 | 0.06 | 0.03 | 0.02 | |
| 27 | 0.01 | 0.03 | 0.05 | 0.17 | 0.27 | 0.29 | 0.13 | 0.25 | 0.18 | 0.06 | 0.02 | 0.03 | |
| 28 | 0.03 | 0.03 | 0.04 | 0.16 | 0.30 | 0.30 | 0.17 | 0.23 | 0.34 | 0.09 | 0.02 | 0.02 | |
| 29 | 0.04 | | 0.05 | 0.05 | 0.37 | 0.30 | 0.17 | 0.21 | 0.30 | 0.15 | 0.03 | 0.01 | |
| 30 | 0.01 | | 0.06 | 0.05 | 0.32 | 0.29 | 0.25 | 0.23 | 0.14 | 0.15 | 0.02 | 0.01 | |
| 31 | 0.03 | | 0.05 | | 0.32 | | 0.25 | 0.24 | | 0.09 | | 0.01 | |

Sc-low

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.207 | 0.207 | 0.207 | 0.207 | 0.510 | 0.871 | 0.906 | 0.906 | 0.906 | 0.826 | 0.548 | 0.280 |
| 2 | 0.207 | 0.207 | 0.207 | 0.207 | 0.521 | 0.883 | 0.906 | 0.906 | 0.906 | 0.817 | 0.539 | 0.271 |
| 3 | 0.207 | 0.207 | 0.207 | 0.207 | 0.533 | 0.894 | 0.906 | 0.906 | 0.906 | 0.808 | 0.530 | 0.262 |
| 4 | 0.207 | 0.207 | 0.207 | 0.207 | 0.545 | 0.906 | 0.906 | 0.906 | 0.906 | 0.799 | 0.521 | 0.253 |
| 5 | 0.207 | 0.207 | 0.207 | 0.207 | 0.556 | 0.906 | 0.906 | 0.906 | 0.906 | 0.790 | 0.512 | 0.244 |
| 6 | 0.207 | 0.207 | 0.207 | 0.218 | 0.568 | 0.906 | 0.906 | 0.906 | 0.906 | 0.781 | 0.503 | 0.235 |
| 7 | 0.207 | 0.207 | 0.207 | 0.230 | 0.580 | 0.906 | 0.906 | 0.906 | 0.906 | 0.772 | 0.494 | 0.226 |
| 8 | 0.207 | 0.207 | 0.207 | 0.242 | 0.591 | 0.906 | 0.906 | 0.906 | 0.906 | 0.763 | 0.485 | 0.217 |
| 9 | 0.207 | 0.207 | 0.207 | 0.253 | 0.603 | 0.906 | 0.906 | 0.906 | 0.906 | 0.754 | 0.476 | 0.208 |
| 10 | 0.207 | 0.207 | 0.207 | 0.265 | 0.615 | 0.906 | 0.906 | 0.906 | 0.906 | 0.745 | 0.467 | 0.199 |
| 11 | 0.207 | 0.207 | 0.207 | 0.277 | 0.626 | 0.906 | 0.906 | 0.906 | 0.906 | 0.736 | 0.459 | 0.190 |
| 12 | 0.207 | 0.207 | 0.207 | 0.288 | 0.638 | 0.906 | 0.906 | 0.906 | 0.906 | 0.727 | 0.450 | 0.200 |
| 13 | 0.207 | 0.207 | 0.207 | 0.300 | 0.650 | 0.906 | 0.906 | 0.906 | 0.906 | 0.718 | 0.441 | 0.200 |
| 14 | 0.207 | 0.207 | 0.207 | 0.312 | 0.661 | 0.906 | 0.906 | 0.906 | 0.906 | 0.709 | 0.432 | 0.200 |
| 15 | 0.207 | 0.207 | 0.207 | 0.323 | 0.673 | 0.906 | 0.906 | 0.906 | 0.906 | 0.700 | 0.423 | 0.200 |
| 16 | 0.207 | 0.207 | 0.207 | 0.335 | 0.685 | 0.906 | 0.906 | 0.906 | 0.906 | 0.691 | 0.414 | 0.200 |
| 17 | 0.207 | 0.207 | 0.207 | 0.346 | 0.696 | 0.906 | 0.906 | 0.906 | 0.906 | 0.682 | 0.405 | 0.200 |
| 18 | 0.207 | 0.207 | 0.207 | 0.358 | 0.708 | 0.906 | 0.906 | 0.906 | 0.906 | 0.673 | 0.396 | 0.200 |
| 19 | 0.207 | 0.207 | 0.207 | 0.370 | 0.720 | 0.906 | 0.906 | 0.906 | 0.906 | 0.664 | 0.387 | 0.200 |
| 20 | 0.207 | 0.207 | 0.207 | 0.381 | 0.731 | 0.906 | 0.906 | 0.906 | 0.906 | 0.655 | 0.378 | 0.200 |
| 21 | 0.207 | 0.207 | 0.207 | 0.393 | 0.743 | 0.906 | 0.906 | 0.906 | 0.906 | 0.647 | 0.369 | 0.200 |
| 22 | 0.207 | 0.207 | 0.207 | 0.405 | 0.755 | 0.906 | 0.906 | 0.906 | 0.906 | 0.638 | 0.360 | 0.200 |
| 23 | 0.207 | 0.207 | 0.207 | 0.416 | 0.766 | 0.906 | 0.906 | 0.906 | 0.897 | 0.629 | 0.351 | 0.200 |
| 24 | 0.207 | 0.207 | 0.207 | 0.428 | 0.778 | 0.906 | 0.906 | 0.906 | 0.888 | 0.620 | 0.342 | 0.200 |
| 25 | 0.207 | 0.207 | 0.207 | 0.440 | 0.790 | 0.906 | 0.906 | 0.906 | 0.879 | 0.611 | 0.333 | 0.200 |
| 26 | 0.207 | 0.207 | 0.207 | 0.451 | 0.801 | 0.906 | 0.906 | 0.906 | 0.870 | 0.602 | 0.324 | 0.200 |
| 27 | 0.207 | 0.207 | 0.207 | 0.463 | 0.813 | 0.906 | 0.906 | 0.906 | 0.861 | 0.593 | 0.315 | 0.200 |
| 28 | 0.207 | 0.207 | 0.207 | 0.475 | 0.825 | 0.906 | 0.906 | 0.906 | 0.852 | 0.584 | 0.306 | 0.200 |
| 29 | 0.207 | | 0.207 | 0.486 | 0.836 | 0.906 | 0.906 | 0.906 | 0.843 | 0.575 | 0.297 | 0.200 |
| 30 | 0.207 | | 0.207 | 0.498 | 0.848 | 0.906 | 0.906 | 0.906 | 0.835 | 0.566 | 0.288 | 0.200 |
| 31 | 0.207 | | 0.207 | | 0.859 | | 0.906 | 0.906 | | 0.557 | | 0.200 |

ET calculations for Sheet AI: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Sc-high [61-100% salt cedar & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.03 | 0.04 | 0.10 | 0.18 | 0.37 | 0.38 | 0.29 | 0.28 | 0.12 | 0.07 | 0.03 | |
| 2 | 0.04 | 0.04 | 0.04 | 0.08 | 0.28 | 0.37 | 0.41 | 0.21 | 0.24 | 0.13 | 0.04 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.11 | 0.30 | 0.34 | 0.42 | 0.29 | 0.20 | 0.10 | 0.04 | 0.04 | |
| 4 | 0.03 | 0.02 | 0.06 | 0.08 | 0.24 | 0.26 | 0.36 | 0.27 | 0.19 | 0.10 | 0.03 | 0.04 | |
| 5 | 0.03 | 0.01 | 0.05 | 0.12 | 0.37 | 0.33 | 0.30 | 0.29 | 0.19 | 0.10 | 0.03 | 0.02 | |
| 6 | 0.02 | 0.01 | 0.06 | 0.13 | 0.30 | 0.39 | 0.28 | 0.35 | 0.18 | 0.15 | 0.05 | 0.02 | |
| 7 | 0.01 | 0.01 | 0.05 | 0.11 | 0.30 | 0.36 | 0.27 | 0.29 | 0.18 | 0.17 | 0.03 | 0.03 | |
| 8 | 0.04 | 0.02 | 0.05 | 0.12 | 0.36 | 0.34 | 0.19 | 0.29 | 0.18 | 0.15 | 0.03 | 0.03 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.16 | 0.31 | 0.32 | 0.29 | 0.28 | 0.10 | 0.09 | 0.04 | 0.01 | |
| 10 | 0.03 | 0.03 | 0.05 | 0.15 | 0.28 | 0.32 | 0.29 | 0.27 | 0.17 | 0.09 | 0.03 | 0.03 | |
| 11 | 0.01 | 0.03 | 0.06 | 0.13 | 0.34 | 0.30 | 0.19 | 0.27 | 0.18 | 0.09 | 0.04 | 0.04 | |
| 12 | 0.03 | 0.04 | 0.08 | 0.14 | 0.37 | 0.31 | 0.15 | 0.26 | 0.21 | 0.09 | 0.05 | 0.03 | |
| 13 | 0.03 | 0.03 | 0.06 | 0.13 | 0.45 | 0.31 | 0.19 | 0.28 | 0.18 | 0.11 | 0.04 | 0.02 | |
| 14 | 0.05 | 0.03 | 0.06 | 0.25 | 0.39 | 0.38 | 0.27 | 0.27 | 0.19 | 0.08 | 0.03 | 0.04 | |
| 15 | 0.02 | 0.03 | 0.08 | 0.35 | 0.32 | 0.39 | 0.29 | 0.29 | 0.17 | 0.08 | 0.02 | 0.04 | |
| 16 | 0.01 | 0.02 | 0.06 | 0.28 | 0.39 | 0.39 | 0.34 | 0.25 | 0.17 | 0.18 | 0.02 | 0.03 | |
| 17 | 0.01 | 0.02 | 0.07 | 0.16 | 0.29 | 0.37 | 0.32 | 0.27 | 0.16 | 0.17 | 0.03 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.06 | 0.18 | 0.34 | 0.37 | 0.29 | 0.29 | 0.21 | 0.08 | 0.04 | 0.01 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.23 | 0.38 | 0.33 | 0.31 | 0.21 | 0.16 | 0.12 | 0.02 | 0.03 | |
| 20 | 0.04 | 0.05 | 0.12 | 0.23 | 0.37 | 0.34 | 0.31 | 0.23 | 0.16 | 0.11 | 0.02 | 0.04 | |
| 21 | 0.05 | 0.03 | 0.09 | 0.23 | 0.35 | 0.45 | 0.29 | 0.25 | 0.16 | 0.11 | 0.03 | 0.03 | |
| 22 | 0.03 | 0.05 | 0.08 | 0.28 | 0.38 | 0.33 | 0.29 | 0.30 | 0.07 | 0.08 | 0.04 | 0.05 | |
| 23 | 0.02 | 0.04 | 0.10 | 0.15 | 0.27 | 0.31 | 0.31 | 0.19 | 0.12 | 0.06 | 0.03 | 0.05 | |
| 24 | 0.02 | 0.03 | 0.09 | 0.07 | 0.24 | 0.33 | 0.32 | 0.26 | 0.13 | 0.05 | 0.04 | 0.04 | |
| 25 | 0.02 | 0.04 | 0.09 | 0.15 | 0.28 | 0.36 | 0.32 | 0.27 | 0.13 | 0.06 | 0.03 | 0.03 | |
| 26 | 0.02 | 0.04 | 0.14 | 0.22 | 0.31 | 0.35 | 0.30 | 0.24 | 0.13 | 0.05 | 0.01 | 0.02 | |
| 27 | 0.01 | 0.03 | 0.11 | 0.31 | 0.35 | 0.34 | 0.15 | 0.27 | 0.15 | 0.04 | 0.01 | 0.03 | |
| 28 | 0.03 | 0.04 | 0.09 | 0.28 | 0.38 | 0.35 | 0.20 | 0.25 | 0.28 | 0.07 | 0.01 | 0.02 | |
| 29 | 0.04 | | 0.12 | 0.08 | 0.47 | 0.36 | 0.20 | 0.23 | 0.25 | 0.11 | 0.02 | 0.01 | |
| 30 | 0.01 | | 0.16 | 0.09 | 0.41 | 0.35 | 0.29 | 0.24 | 0.12 | 0.11 | 0.01 | 0.01 | |
| 31 | 0.03 | | 0.15 | | 0.40 | | 0.29 | 0.26 | | 0.07 | | 0.01 | |

| Sc-high Date | January | February | March | April | May | June | July | August | September | October | November | December |
|-----------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.207 | 0.207 | 0.257 | 0.572 | 0.877 | 1.070 | 1.070 | 1.070 | 0.947 | 0.683 | 0.410 | 0.200 |
| 2 | 0.207 | 0.207 | 0.268 | 0.582 | 0.887 | 1.070 | 1.070 | 1.070 | 0.938 | 0.674 | 0.401 | 0.200 |
| 3 | 0.207 | 0.207 | 0.278 | 0.593 | 0.897 | 1.070 | 1.070 | 1.070 | 0.929 | 0.665 | 0.392 | 0.200 |
| 4 | 0.207 | 0.207 | 0.288 | 0.603 | 0.907 | 1.070 | 1.070 | 1.070 | 0.920 | 0.656 | 0.384 | 0.200 |
| 5 | 0.207 | 0.207 | 0.298 | 0.613 | 0.918 | 1.070 | 1.070 | 1.070 | 0.912 | 0.648 | 0.375 | 0.200 |
| 6 | 0.207 | 0.207 | 0.308 | 0.623 | 0.928 | 1.070 | 1.070 | 1.070 | 0.903 | 0.639 | 0.366 | 0.200 |
| 7 | 0.207 | 0.207 | 0.318 | 0.633 | 0.938 | 1.070 | 1.070 | 1.070 | 0.894 | 0.630 | 0.357 | 0.200 |
| 8 | 0.207 | 0.207 | 0.328 | 0.643 | 0.948 | 1.070 | 1.070 | 1.070 | 0.885 | 0.621 | 0.348 | 0.200 |
| 9 | 0.207 | 0.207 | 0.339 | 0.653 | 0.958 | 1.070 | 1.070 | 1.070 | 0.876 | 0.612 | 0.340 | 0.200 |
| 10 | 0.207 | 0.207 | 0.349 | 0.664 | 0.968 | 1.070 | 1.070 | 1.070 | 0.868 | 0.604 | 0.331 | 0.200 |
| 11 | 0.207 | 0.207 | 0.359 | 0.674 | 0.979 | 1.070 | 1.070 | 1.070 | 0.859 | 0.595 | 0.322 | 0.200 |
| 12 | 0.207 | 0.207 | 0.369 | 0.684 | 0.989 | 1.070 | 1.070 | 1.070 | 0.850 | 0.586 | 0.313 | 0.200 |
| 13 | 0.207 | 0.207 | 0.379 | 0.694 | 0.999 | 1.070 | 1.070 | 1.070 | 0.841 | 0.577 | 0.304 | 0.200 |
| 14 | 0.207 | 0.207 | 0.389 | 0.704 | 1.009 | 1.070 | 1.070 | 1.070 | 0.832 | 0.568 | 0.296 | 0.200 |
| 15 | 0.207 | 0.207 | 0.400 | 0.714 | 1.019 | 1.070 | 1.070 | 1.070 | 0.824 | 0.560 | 0.287 | 0.200 |
| 16 | 0.207 | 0.207 | 0.410 | 0.725 | 1.029 | 1.070 | 1.070 | 1.070 | 0.815 | 0.551 | 0.278 | 0.200 |
| 17 | 0.207 | 0.207 | 0.420 | 0.735 | 1.039 | 1.070 | 1.070 | 1.070 | 0.806 | 0.542 | 0.269 | 0.200 |
| 18 | 0.207 | 0.207 | 0.430 | 0.745 | 1.050 | 1.070 | 1.070 | 1.070 | 0.797 | 0.533 | 0.260 | 0.200 |
| 19 | 0.207 | 0.207 | 0.440 | 0.755 | 1.060 | 1.070 | 1.070 | 1.061 | 0.788 | 0.524 | 0.252 | 0.200 |
| 20 | 0.207 | 0.207 | 0.450 | 0.765 | 1.070 | 1.070 | 1.070 | 1.052 | 0.780 | 0.516 | 0.243 | 0.200 |
| 21 | 0.207 | 0.207 | 0.461 | 0.775 | 1.070 | 1.070 | 1.070 | 1.044 | 0.771 | 0.507 | 0.234 | 0.200 |
| 22 | 0.207 | 0.207 | 0.471 | 0.786 | 1.070 | 1.070 | 1.070 | 1.035 | 0.762 | 0.498 | 0.225 | 0.200 |
| 23 | 0.207 | 0.207 | 0.481 | 0.796 | 1.070 | 1.070 | 1.070 | 1.026 | 0.753 | 0.489 | 0.216 | 0.200 |
| 24 | 0.207 | 0.207 | 0.491 | 0.806 | 1.070 | 1.070 | 1.070 | 1.017 | 0.744 | 0.480 | 0.208 | 0.200 |
| 25 | 0.207 | 0.217 | 0.501 | 0.816 | 1.070 | 1.070 | 1.070 | 1.008 | 0.736 | 0.472 | 0.199 | 0.200 |
| 26 | 0.207 | 0.227 | 0.511 | 0.826 | 1.070 | 1.070 | 1.070 | 1.000 | 0.727 | 0.463 | 0.190 | 0.200 |
| 27 | 0.207 | 0.237 | 0.521 | 0.836 | 1.070 | 1.070 | 1.070 | 0.991 | 0.718 | 0.454 | 0.200 | 0.200 |
| 28 | 0.207 | 0.247 | 0.532 | 0.846 | 1.070 | 1.070 | 1.070 | 0.982 | 0.709 | 0.445 | 0.200 | 0.200 |
| 29 | 0.207 | | 0.542 | 0.857 | 1.070 | 1.070 | 1.070 | 0.973 | 0.700 | 0.436 | 0.200 | 0.200 |
| 30 | 0.207 | | 0.552 | 0.867 | 1.070 | 1.070 | 1.070 | 0.964 | 0.692 | 0.428 | 0.200 | 0.200 |
| 31 | 0.207 | | 0.562 | | 1.070 | | 1.070 | 0.956 | | 0.419 | | 0.200 |

ET calculations for Sheet AJ: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Sc/ms [11-60% salt cedar & 11-60% mesquite & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.10 | 0.17 | 0.39 | 0.40 | 0.31 | 0.32 | 0.15 | 0.09 | 0.04 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.08 | 0.27 | 0.39 | 0.43 | 0.22 | 0.27 | 0.16 | 0.06 | 0.04 | |
| 3 | 0.06 | 0.04 | 0.08 | 0.11 | 0.29 | 0.36 | 0.44 | 0.30 | 0.23 | 0.13 | 0.06 | 0.06 | |
| 4 | 0.05 | 0.03 | 0.06 | 0.07 | 0.23 | 0.27 | 0.37 | 0.29 | 0.22 | 0.12 | 0.04 | 0.06 | |
| 5 | 0.04 | 0.02 | 0.05 | 0.11 | 0.35 | 0.34 | 0.31 | 0.31 | 0.22 | 0.13 | 0.05 | 0.03 | |
| 6 | 0.02 | 0.02 | 0.07 | 0.12 | 0.28 | 0.41 | 0.29 | 0.37 | 0.21 | 0.18 | 0.08 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.10 | 0.28 | 0.38 | 0.28 | 0.31 | 0.20 | 0.21 | 0.04 | 0.04 | |
| 8 | 0.05 | 0.02 | 0.04 | 0.12 | 0.34 | 0.36 | 0.19 | 0.30 | 0.21 | 0.19 | 0.05 | 0.05 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.15 | 0.29 | 0.34 | 0.31 | 0.30 | 0.12 | 0.12 | 0.06 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.04 | 0.14 | 0.27 | 0.34 | 0.30 | 0.28 | 0.20 | 0.11 | 0.04 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.05 | 0.12 | 0.32 | 0.32 | 0.20 | 0.28 | 0.21 | 0.11 | 0.06 | 0.06 | |
| 12 | 0.04 | 0.06 | 0.07 | 0.13 | 0.35 | 0.32 | 0.15 | 0.27 | 0.25 | 0.12 | 0.07 | 0.04 | |
| 13 | 0.05 | 0.04 | 0.05 | 0.12 | 0.43 | 0.33 | 0.20 | 0.29 | 0.21 | 0.14 | 0.07 | 0.03 | |
| 14 | 0.07 | 0.04 | 0.05 | 0.24 | 0.37 | 0.40 | 0.28 | 0.28 | 0.22 | 0.10 | 0.05 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.32 | 0.30 | 0.41 | 0.30 | 0.30 | 0.20 | 0.10 | 0.04 | 0.06 | |
| 16 | 0.02 | 0.03 | 0.05 | 0.26 | 0.37 | 0.41 | 0.35 | 0.26 | 0.20 | 0.23 | 0.03 | 0.05 | |
| 17 | 0.02 | 0.03 | 0.06 | 0.15 | 0.28 | 0.39 | 0.33 | 0.29 | 0.19 | 0.22 | 0.05 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.06 | 0.16 | 0.32 | 0.39 | 0.31 | 0.31 | 0.25 | 0.10 | 0.07 | 0.02 | |
| 19 | 0.04 | 0.06 | 0.06 | 0.22 | 0.37 | 0.35 | 0.32 | 0.22 | 0.19 | 0.16 | 0.03 | 0.05 | |
| 20 | 0.05 | 0.08 | 0.11 | 0.22 | 0.36 | 0.35 | 0.32 | 0.25 | 0.19 | 0.14 | 0.04 | 0.05 | |
| 21 | 0.08 | 0.04 | 0.08 | 0.21 | 0.34 | 0.47 | 0.31 | 0.27 | 0.19 | 0.14 | 0.06 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.07 | 0.27 | 0.37 | 0.35 | 0.31 | 0.32 | 0.08 | 0.10 | 0.07 | 0.07 | |
| 23 | 0.03 | 0.06 | 0.09 | 0.14 | 0.27 | 0.32 | 0.32 | 0.20 | 0.15 | 0.08 | 0.06 | 0.07 | |
| 24 | 0.02 | 0.04 | 0.08 | 0.06 | 0.24 | 0.34 | 0.34 | 0.29 | 0.16 | 0.07 | 0.07 | 0.05 | |
| 25 | 0.04 | 0.05 | 0.08 | 0.14 | 0.28 | 0.37 | 0.34 | 0.30 | 0.16 | 0.08 | 0.05 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.13 | 0.21 | 0.31 | 0.37 | 0.31 | 0.27 | 0.16 | 0.06 | 0.03 | 0.03 | |
| 27 | 0.02 | 0.04 | 0.10 | 0.29 | 0.36 | 0.36 | 0.16 | 0.30 | 0.18 | 0.06 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.04 | 0.09 | 0.26 | 0.39 | 0.37 | 0.21 | 0.28 | 0.34 | 0.09 | 0.02 | 0.03 | |
| 29 | 0.06 | | 0.11 | 0.08 | 0.49 | 0.37 | 0.21 | 0.26 | 0.30 | 0.16 | 0.03 | 0.02 | |
| 30 | 0.02 | | 0.14 | 0.08 | 0.43 | 0.36 | 0.30 | 0.28 | 0.15 | 0.16 | 0.02 | 0.02 | |
| 31 | 0.05 | | 0.14 | | 0.41 | | 0.30 | 0.29 | | 0.10 | | 0.02 | |

Sc/ms

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.527 | 0.828 | 1.120 | 1.120 | 1.120 | 1.087 | 0.838 | 0.580 | 0.331 |
| 2 | 0.315 | 0.315 | 0.315 | 0.537 | 0.838 | 1.120 | 1.120 | 1.120 | 1.078 | 0.829 | 0.572 | 0.323 |
| 3 | 0.315 | 0.315 | 0.315 | 0.547 | 0.848 | 1.120 | 1.120 | 1.120 | 1.070 | 0.821 | 0.564 | 0.315 |
| 4 | 0.315 | 0.315 | 0.315 | 0.557 | 0.858 | 1.120 | 1.120 | 1.120 | 1.062 | 0.813 | 0.556 | 0.307 |
| 5 | 0.315 | 0.315 | 0.315 | 0.567 | 0.868 | 1.120 | 1.120 | 1.120 | 1.054 | 0.805 | 0.547 | 0.298 |
| 6 | 0.315 | 0.315 | 0.315 | 0.577 | 0.879 | 1.120 | 1.120 | 1.120 | 1.045 | 0.796 | 0.539 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.587 | 0.889 | 1.120 | 1.120 | 1.120 | 1.037 | 0.788 | 0.531 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.597 | 0.899 | 1.120 | 1.120 | 1.120 | 1.029 | 0.780 | 0.522 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.607 | 0.909 | 1.120 | 1.120 | 1.120 | 1.020 | 0.771 | 0.514 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.617 | 0.919 | 1.120 | 1.120 | 1.120 | 1.012 | 0.763 | 0.506 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.627 | 0.929 | 1.120 | 1.120 | 1.120 | 1.004 | 0.755 | 0.497 | 0.300 |
| 12 | 0.315 | 0.315 | 0.325 | 0.637 | 0.939 | 1.120 | 1.120 | 1.120 | 0.995 | 0.746 | 0.489 | 0.300 |
| 13 | 0.315 | 0.315 | 0.335 | 0.647 | 0.949 | 1.120 | 1.120 | 1.120 | 0.987 | 0.738 | 0.481 | 0.300 |
| 14 | 0.315 | 0.315 | 0.345 | 0.657 | 0.959 | 1.120 | 1.120 | 1.120 | 0.979 | 0.730 | 0.473 | 0.300 |
| 15 | 0.315 | 0.315 | 0.356 | 0.667 | 0.969 | 1.120 | 1.120 | 1.120 | 0.971 | 0.722 | 0.464 | 0.300 |
| 16 | 0.315 | 0.315 | 0.366 | 0.677 | 0.979 | 1.120 | 1.120 | 1.120 | 0.962 | 0.713 | 0.456 | 0.300 |
| 17 | 0.315 | 0.315 | 0.376 | 0.687 | 0.989 | 1.120 | 1.120 | 1.120 | 0.954 | 0.705 | 0.448 | 0.300 |
| 18 | 0.315 | 0.315 | 0.386 | 0.697 | 0.999 | 1.120 | 1.120 | 1.120 | 0.946 | 0.697 | 0.439 | 0.300 |
| 19 | 0.315 | 0.315 | 0.396 | 0.708 | 1.009 | 1.120 | 1.120 | 1.120 | 0.937 | 0.688 | 0.431 | 0.300 |
| 20 | 0.315 | 0.315 | 0.406 | 0.718 | 1.019 | 1.120 | 1.120 | 1.120 | 0.929 | 0.680 | 0.423 | 0.300 |
| 21 | 0.315 | 0.315 | 0.416 | 0.728 | 1.029 | 1.120 | 1.120 | 1.120 | 0.921 | 0.672 | 0.414 | 0.300 |
| 22 | 0.315 | 0.315 | 0.426 | 0.738 | 1.039 | 1.120 | 1.120 | 1.120 | 0.912 | 0.663 | 0.406 | 0.300 |
| 23 | 0.315 | 0.315 | 0.436 | 0.748 | 1.050 | 1.120 | 1.120 | 1.120 | 0.904 | 0.655 | 0.398 | 0.300 |
| 24 | 0.315 | 0.315 | 0.446 | 0.758 | 1.060 | 1.120 | 1.120 | 1.120 | 0.896 | 0.647 | 0.390 | 0.300 |
| 25 | 0.315 | 0.315 | 0.456 | 0.768 | 1.070 | 1.120 | 1.120 | 1.120 | 0.888 | 0.639 | 0.381 | 0.300 |
| 26 | 0.315 | 0.315 | 0.466 | 0.778 | 1.080 | 1.120 | 1.120 | 1.120 | 0.879 | 0.630 | 0.373 | 0.300 |
| 27 | 0.315 | 0.315 | 0.476 | 0.788 | 1.090 | 1.120 | 1.120 | 1.120 | 0.871 | 0.622 | 0.365 | 0.300 |
| 28 | 0.315 | 0.315 | 0.486 | 0.798 | 1.100 | 1.120 | 1.120 | 1.120 | 0.863 | 0.614 | 0.356 | 0.300 |
| 29 | 0.315 | | 0.496 | 0.808 | 1.110 | 1.120 | 1.120 | 1.112 | 0.854 | 0.605 | 0.348 | 0.300 |
| 30 | 0.315 | | 0.506 | 0.818 | 1.120 | 1.120 | 1.120 | 1.103 | 0.846 | 0.597 | 0.340 | 0.300 |
| 31 | 0.315 | | 0.516 | | 1.120 | | 1.120 | 1.095 | | 0.589 | | 0.300 |

ET calculations for Sheet AK: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Sc/aw [\leq 75% salt cedar & \geq 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.09 | 0.17 | 0.37 | 0.38 | 0.29 | 0.31 | 0.15 | 0.10 | 0.04 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.08 | 0.26 | 0.37 | 0.41 | 0.21 | 0.27 | 0.17 | 0.06 | 0.04 | |
| 3 | 0.06 | 0.04 | 0.08 | 0.10 | 0.27 | 0.34 | 0.42 | 0.29 | 0.23 | 0.13 | 0.06 | 0.06 | |
| 4 | 0.05 | 0.03 | 0.06 | 0.07 | 0.22 | 0.26 | 0.36 | 0.27 | 0.22 | 0.13 | 0.04 | 0.06 | |
| 5 | 0.04 | 0.02 | 0.05 | 0.10 | 0.33 | 0.33 | 0.30 | 0.29 | 0.22 | 0.13 | 0.05 | 0.03 | |
| 6 | 0.02 | 0.02 | 0.07 | 0.12 | 0.27 | 0.39 | 0.28 | 0.35 | 0.21 | 0.19 | 0.08 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.10 | 0.27 | 0.36 | 0.27 | 0.29 | 0.21 | 0.22 | 0.04 | 0.04 | |
| 8 | 0.05 | 0.02 | 0.04 | 0.11 | 0.33 | 0.34 | 0.18 | 0.29 | 0.21 | 0.20 | 0.05 | 0.05 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.15 | 0.28 | 0.32 | 0.29 | 0.28 | 0.12 | 0.12 | 0.06 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.04 | 0.14 | 0.26 | 0.32 | 0.29 | 0.26 | 0.21 | 0.11 | 0.04 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.05 | 0.11 | 0.30 | 0.30 | 0.19 | 0.27 | 0.22 | 0.11 | 0.06 | 0.06 | |
| 12 | 0.04 | 0.06 | 0.07 | 0.12 | 0.33 | 0.31 | 0.15 | 0.26 | 0.25 | 0.12 | 0.07 | 0.04 | |
| 13 | 0.05 | 0.04 | 0.05 | 0.12 | 0.41 | 0.31 | 0.19 | 0.28 | 0.22 | 0.14 | 0.07 | 0.03 | |
| 14 | 0.07 | 0.04 | 0.05 | 0.23 | 0.36 | 0.38 | 0.27 | 0.27 | 0.23 | 0.11 | 0.05 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.31 | 0.29 | 0.39 | 0.29 | 0.29 | 0.21 | 0.10 | 0.04 | 0.06 | |
| 16 | 0.02 | 0.03 | 0.05 | 0.25 | 0.35 | 0.39 | 0.34 | 0.25 | 0.21 | 0.23 | 0.03 | 0.05 | |
| 17 | 0.02 | 0.03 | 0.06 | 0.15 | 0.27 | 0.37 | 0.31 | 0.27 | 0.19 | 0.22 | 0.05 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.06 | 0.16 | 0.31 | 0.37 | 0.29 | 0.29 | 0.26 | 0.10 | 0.08 | 0.02 | |
| 19 | 0.04 | 0.06 | 0.06 | 0.21 | 0.35 | 0.33 | 0.31 | 0.21 | 0.19 | 0.16 | 0.03 | 0.05 | |
| 20 | 0.05 | 0.08 | 0.11 | 0.21 | 0.34 | 0.34 | 0.31 | 0.23 | 0.19 | 0.15 | 0.04 | 0.05 | |
| 21 | 0.08 | 0.04 | 0.08 | 0.21 | 0.32 | 0.44 | 0.29 | 0.26 | 0.19 | 0.14 | 0.06 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.07 | 0.26 | 0.35 | 0.33 | 0.29 | 0.31 | 0.08 | 0.10 | 0.07 | 0.07 | |
| 23 | 0.03 | 0.06 | 0.09 | 0.13 | 0.26 | 0.31 | 0.31 | 0.19 | 0.15 | 0.08 | 0.06 | 0.07 | |
| 24 | 0.02 | 0.04 | 0.08 | 0.06 | 0.23 | 0.33 | 0.32 | 0.27 | 0.16 | 0.07 | 0.07 | 0.05 | |
| 25 | 0.04 | 0.05 | 0.08 | 0.14 | 0.27 | 0.36 | 0.32 | 0.28 | 0.16 | 0.08 | 0.05 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.13 | 0.20 | 0.30 | 0.35 | 0.30 | 0.26 | 0.16 | 0.07 | 0.03 | 0.03 | |
| 27 | 0.02 | 0.04 | 0.10 | 0.28 | 0.34 | 0.34 | 0.15 | 0.29 | 0.19 | 0.06 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.04 | 0.08 | 0.25 | 0.38 | 0.35 | 0.20 | 0.27 | 0.35 | 0.10 | 0.02 | 0.03 | |
| 29 | 0.06 | | 0.11 | 0.08 | 0.47 | 0.36 | 0.20 | 0.25 | 0.31 | 0.16 | 0.03 | 0.02 | |
| 30 | 0.02 | | 0.14 | 0.08 | 0.41 | 0.34 | 0.29 | 0.27 | 0.15 | 0.16 | 0.02 | 0.02 | |
| 31 | 0.05 | | 0.13 | | 0.39 | | 0.29 | 0.29 | | 0.10 | | 0.02 | |

Sc/aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.512 | 0.793 | 1.065 | 1.065 | 1.065 | 1.065 | 0.859 | 0.592 | 0.333 |
| 2 | 0.315 | 0.315 | 0.315 | 0.522 | 0.803 | 1.065 | 1.065 | 1.065 | 1.065 | 0.850 | 0.583 | 0.324 |
| 3 | 0.315 | 0.315 | 0.315 | 0.531 | 0.812 | 1.065 | 1.065 | 1.065 | 1.065 | 0.841 | 0.574 | 0.316 |
| 4 | 0.315 | 0.315 | 0.315 | 0.540 | 0.822 | 1.065 | 1.065 | 1.065 | 1.065 | 0.833 | 0.566 | 0.307 |
| 5 | 0.315 | 0.315 | 0.315 | 0.550 | 0.831 | 1.065 | 1.065 | 1.065 | 1.065 | 0.824 | 0.557 | 0.299 |
| 6 | 0.315 | 0.315 | 0.315 | 0.559 | 0.840 | 1.065 | 1.065 | 1.065 | 1.065 | 0.816 | 0.548 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.568 | 0.850 | 1.065 | 1.065 | 1.065 | 1.065 | 0.807 | 0.540 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.578 | 0.859 | 1.065 | 1.065 | 1.065 | 1.057 | 0.798 | 0.531 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.587 | 0.869 | 1.065 | 1.065 | 1.065 | 1.048 | 0.790 | 0.523 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.597 | 0.878 | 1.065 | 1.065 | 1.065 | 1.040 | 0.781 | 0.514 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.606 | 0.887 | 1.065 | 1.065 | 1.065 | 1.031 | 0.772 | 0.505 | 0.300 |
| 12 | 0.315 | 0.315 | 0.325 | 0.615 | 0.897 | 1.065 | 1.065 | 1.065 | 1.022 | 0.764 | 0.497 | 0.300 |
| 13 | 0.315 | 0.315 | 0.334 | 0.625 | 0.906 | 1.065 | 1.065 | 1.065 | 1.014 | 0.755 | 0.488 | 0.300 |
| 14 | 0.315 | 0.315 | 0.343 | 0.634 | 0.915 | 1.065 | 1.065 | 1.065 | 1.005 | 0.747 | 0.480 | 0.300 |
| 15 | 0.315 | 0.315 | 0.353 | 0.643 | 0.925 | 1.065 | 1.065 | 1.065 | 0.996 | 0.738 | 0.471 | 0.300 |
| 16 | 0.315 | 0.315 | 0.362 | 0.653 | 0.934 | 1.065 | 1.065 | 1.065 | 0.988 | 0.729 | 0.462 | 0.300 |
| 17 | 0.315 | 0.315 | 0.372 | 0.662 | 0.944 | 1.065 | 1.065 | 1.065 | 0.979 | 0.721 | 0.454 | 0.300 |
| 18 | 0.315 | 0.315 | 0.381 | 0.672 | 0.953 | 1.065 | 1.065 | 1.065 | 0.971 | 0.712 | 0.445 | 0.300 |
| 19 | 0.315 | 0.315 | 0.390 | 0.681 | 0.962 | 1.065 | 1.065 | 1.065 | 0.962 | 0.704 | 0.436 | 0.300 |
| 20 | 0.315 | 0.315 | 0.400 | 0.690 | 0.972 | 1.065 | 1.065 | 1.065 | 0.953 | 0.695 | 0.428 | 0.300 |
| 21 | 0.315 | 0.315 | 0.409 | 0.700 | 0.981 | 1.065 | 1.065 | 1.065 | 0.945 | 0.686 | 0.419 | 0.300 |
| 22 | 0.315 | 0.315 | 0.418 | 0.709 | 0.990 | 1.065 | 1.065 | 1.065 | 0.936 | 0.678 | 0.411 | 0.300 |
| 23 | 0.315 | 0.315 | 0.428 | 0.718 | 1.000 | 1.065 | 1.065 | 1.065 | 0.928 | 0.669 | 0.402 | 0.300 |
| 24 | 0.315 | 0.315 | 0.437 | 0.728 | 1.009 | 1.065 | 1.065 | 1.065 | 0.919 | 0.660 | 0.393 | 0.300 |
| 25 | 0.315 | 0.315 | 0.447 | 0.737 | 1.019 | 1.065 | 1.065 | 1.065 | 0.910 | 0.652 | 0.385 | 0.300 |
| 26 | 0.315 | 0.315 | 0.456 | 0.747 | 1.028 | 1.065 | 1.065 | 1.065 | 0.902 | 0.643 | 0.376 | 0.300 |
| 27 | 0.315 | 0.315 | 0.465 | 0.756 | 1.037 | 1.065 | 1.065 | 1.065 | 0.893 | 0.635 | 0.368 | 0.300 |
| 28 | 0.315 | 0.315 | 0.475 | 0.765 | 1.047 | 1.065 | 1.065 | 1.065 | 0.884 | 0.626 | 0.359 | 0.300 |
| 29 | 0.315 | | 0.484 | 0.775 | 1.056 | 1.065 | 1.065 | 1.065 | 0.876 | 0.617 | 0.350 | 0.300 |
| 30 | 0.315 | | 0.493 | 0.784 | 1.065 | 1.065 | 1.065 | 1.065 | 0.867 | 0.609 | 0.342 | 0.300 |
| 31 | 0.315 | | 0.503 | | 1.065 | | 1.065 | 1.065 | | 0.600 | | 0.300 |

ET calculations for Sheet AL: Page 1 of 2 1999 CROP ET

Mojave Valley - Mohave AZMET and Bullhead City NWS stations

(Sheet to calculate ET for Phreatophyte area classified Sc/ms/aw [15-45% salt cedar & 15-45% mesquite & 20-40% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.09 | 0.17 | 0.37 | 0.38 | 0.29 | 0.31 | 0.16 | 0.10 | 0.04 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.08 | 0.26 | 0.37 | 0.41 | 0.21 | 0.27 | 0.18 | 0.06 | 0.04 | |
| 3 | 0.06 | 0.04 | 0.08 | 0.10 | 0.27 | 0.34 | 0.42 | 0.29 | 0.23 | 0.14 | 0.06 | 0.06 | |
| 4 | 0.05 | 0.03 | 0.06 | 0.07 | 0.22 | 0.26 | 0.36 | 0.27 | 0.22 | 0.14 | 0.05 | 0.06 | |
| 5 | 0.04 | 0.02 | 0.05 | 0.10 | 0.33 | 0.33 | 0.30 | 0.29 | 0.22 | 0.14 | 0.05 | 0.03 | |
| 6 | 0.02 | 0.02 | 0.07 | 0.12 | 0.27 | 0.39 | 0.28 | 0.35 | 0.21 | 0.20 | 0.08 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.10 | 0.27 | 0.36 | 0.27 | 0.29 | 0.21 | 0.24 | 0.04 | 0.04 | |
| 8 | 0.05 | 0.02 | 0.04 | 0.11 | 0.33 | 0.34 | 0.18 | 0.29 | 0.21 | 0.21 | 0.05 | 0.05 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.15 | 0.28 | 0.32 | 0.29 | 0.28 | 0.13 | 0.13 | 0.06 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.04 | 0.14 | 0.26 | 0.32 | 0.29 | 0.26 | 0.21 | 0.12 | 0.04 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.05 | 0.11 | 0.30 | 0.30 | 0.19 | 0.27 | 0.22 | 0.12 | 0.07 | 0.06 | |
| 12 | 0.04 | 0.06 | 0.07 | 0.12 | 0.33 | 0.31 | 0.15 | 0.26 | 0.26 | 0.13 | 0.08 | 0.04 | |
| 13 | 0.05 | 0.04 | 0.05 | 0.12 | 0.41 | 0.31 | 0.19 | 0.28 | 0.23 | 0.15 | 0.07 | 0.03 | |
| 14 | 0.07 | 0.04 | 0.05 | 0.23 | 0.36 | 0.38 | 0.27 | 0.27 | 0.24 | 0.11 | 0.06 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.31 | 0.29 | 0.39 | 0.29 | 0.29 | 0.22 | 0.11 | 0.04 | 0.06 | |
| 16 | 0.02 | 0.03 | 0.05 | 0.25 | 0.35 | 0.39 | 0.34 | 0.25 | 0.23 | 0.25 | 0.03 | 0.05 | |
| 17 | 0.02 | 0.03 | 0.06 | 0.15 | 0.27 | 0.37 | 0.31 | 0.27 | 0.21 | 0.24 | 0.05 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.06 | 0.16 | 0.31 | 0.37 | 0.29 | 0.29 | 0.28 | 0.11 | 0.08 | 0.02 | |
| 19 | 0.04 | 0.06 | 0.06 | 0.21 | 0.35 | 0.33 | 0.31 | 0.21 | 0.21 | 0.18 | 0.03 | 0.05 | |
| 20 | 0.05 | 0.08 | 0.11 | 0.21 | 0.34 | 0.34 | 0.31 | 0.23 | 0.21 | 0.16 | 0.04 | 0.05 | |
| 21 | 0.08 | 0.04 | 0.08 | 0.21 | 0.32 | 0.44 | 0.29 | 0.26 | 0.21 | 0.15 | 0.06 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.07 | 0.26 | 0.35 | 0.33 | 0.29 | 0.31 | 0.09 | 0.11 | 0.07 | 0.07 | |
| 23 | 0.03 | 0.06 | 0.09 | 0.13 | 0.26 | 0.31 | 0.31 | 0.19 | 0.17 | 0.09 | 0.06 | 0.07 | |
| 24 | 0.02 | 0.04 | 0.08 | 0.06 | 0.23 | 0.33 | 0.32 | 0.27 | 0.17 | 0.08 | 0.08 | 0.05 | |
| 25 | 0.04 | 0.05 | 0.08 | 0.14 | 0.27 | 0.36 | 0.32 | 0.28 | 0.18 | 0.08 | 0.06 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.13 | 0.20 | 0.30 | 0.35 | 0.30 | 0.26 | 0.18 | 0.07 | 0.03 | 0.03 | |
| 27 | 0.02 | 0.04 | 0.10 | 0.28 | 0.34 | 0.34 | 0.15 | 0.29 | 0.20 | 0.07 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.04 | 0.08 | 0.25 | 0.38 | 0.35 | 0.20 | 0.27 | 0.38 | 0.10 | 0.02 | 0.03 | |
| 29 | 0.06 | | 0.11 | 0.08 | 0.47 | 0.36 | 0.20 | 0.25 | 0.33 | 0.17 | 0.04 | 0.02 | |
| 30 | 0.02 | | 0.14 | 0.08 | 0.41 | 0.34 | 0.29 | 0.27 | 0.16 | 0.17 | 0.02 | 0.02 | |
| 31 | 0.05 | | 0.13 | | 0.39 | | 0.29 | 0.29 | | 0.11 | | 0.02 | |

(Daily Kp values)

Sheet AL: Page 2 of 2

1999 CROP ET

Sc/ms/aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.512 | 0.793 | 1.065 | 1.065 | 1.065 | 1.065 | 0.930 | 0.629 | 0.338 |
| 2 | 0.315 | 0.315 | 0.315 | 0.522 | 0.803 | 1.065 | 1.065 | 1.065 | 1.065 | 0.920 | 0.620 | 0.329 |
| 3 | 0.315 | 0.315 | 0.315 | 0.531 | 0.812 | 1.065 | 1.065 | 1.065 | 1.065 | 0.910 | 0.610 | 0.319 |
| 4 | 0.315 | 0.315 | 0.315 | 0.540 | 0.822 | 1.065 | 1.065 | 1.065 | 1.065 | 0.901 | 0.600 | 0.309 |
| 5 | 0.315 | 0.315 | 0.315 | 0.550 | 0.831 | 1.065 | 1.065 | 1.065 | 1.065 | 0.891 | 0.590 | 0.300 |
| 6 | 0.315 | 0.315 | 0.315 | 0.559 | 0.840 | 1.065 | 1.065 | 1.065 | 1.065 | 0.881 | 0.581 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.568 | 0.850 | 1.065 | 1.065 | 1.065 | 1.065 | 0.872 | 0.571 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.578 | 0.859 | 1.065 | 1.065 | 1.065 | 1.065 | 0.862 | 0.561 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.587 | 0.869 | 1.065 | 1.065 | 1.065 | 1.065 | 0.852 | 0.552 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.597 | 0.878 | 1.065 | 1.065 | 1.065 | 1.065 | 0.842 | 0.542 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.606 | 0.887 | 1.065 | 1.065 | 1.065 | 1.065 | 0.833 | 0.532 | 0.300 |
| 12 | 0.315 | 0.315 | 0.325 | 0.615 | 0.897 | 1.065 | 1.065 | 1.065 | 1.065 | 0.823 | 0.523 | 0.300 |
| 13 | 0.315 | 0.315 | 0.334 | 0.625 | 0.906 | 1.065 | 1.065 | 1.065 | 1.065 | 0.813 | 0.513 | 0.300 |
| 14 | 0.315 | 0.315 | 0.343 | 0.634 | 0.915 | 1.065 | 1.065 | 1.065 | 1.065 | 0.804 | 0.503 | 0.300 |
| 15 | 0.315 | 0.315 | 0.353 | 0.643 | 0.925 | 1.065 | 1.065 | 1.065 | 1.065 | 0.794 | 0.494 | 0.300 |
| 16 | 0.315 | 0.315 | 0.362 | 0.653 | 0.934 | 1.065 | 1.065 | 1.065 | 1.065 | 0.784 | 0.484 | 0.300 |
| 17 | 0.315 | 0.315 | 0.372 | 0.662 | 0.944 | 1.065 | 1.065 | 1.065 | 1.065 | 0.775 | 0.474 | 0.300 |
| 18 | 0.315 | 0.315 | 0.381 | 0.672 | 0.953 | 1.065 | 1.065 | 1.065 | 1.056 | 0.765 | 0.464 | 0.300 |
| 19 | 0.315 | 0.315 | 0.390 | 0.681 | 0.962 | 1.065 | 1.065 | 1.065 | 1.046 | 0.755 | 0.455 | 0.300 |
| 20 | 0.315 | 0.315 | 0.400 | 0.690 | 0.972 | 1.065 | 1.065 | 1.065 | 1.036 | 0.746 | 0.445 | 0.300 |
| 21 | 0.315 | 0.315 | 0.409 | 0.700 | 0.981 | 1.065 | 1.065 | 1.065 | 1.027 | 0.736 | 0.435 | 0.300 |
| 22 | 0.315 | 0.315 | 0.418 | 0.709 | 0.990 | 1.065 | 1.065 | 1.065 | 1.017 | 0.726 | 0.426 | 0.300 |
| 23 | 0.315 | 0.315 | 0.428 | 0.718 | 1.000 | 1.065 | 1.065 | 1.065 | 1.007 | 0.716 | 0.416 | 0.300 |
| 24 | 0.315 | 0.315 | 0.437 | 0.728 | 1.009 | 1.065 | 1.065 | 1.065 | 0.998 | 0.707 | 0.406 | 0.300 |
| 25 | 0.315 | 0.315 | 0.447 | 0.737 | 1.019 | 1.065 | 1.065 | 1.065 | 0.988 | 0.697 | 0.397 | 0.300 |
| 26 | 0.315 | 0.315 | 0.456 | 0.747 | 1.028 | 1.065 | 1.065 | 1.065 | 0.978 | 0.687 | 0.387 | 0.300 |
| 27 | 0.315 | 0.315 | 0.465 | 0.756 | 1.037 | 1.065 | 1.065 | 1.065 | 0.968 | 0.678 | 0.377 | 0.300 |
| 28 | 0.315 | 0.315 | 0.475 | 0.765 | 1.047 | 1.065 | 1.065 | 1.065 | 0.959 | 0.668 | 0.368 | 0.300 |
| 29 | 0.315 | | 0.484 | 0.775 | 1.056 | 1.065 | 1.065 | 1.065 | 0.949 | 0.658 | 0.358 | 0.300 |
| 30 | 0.315 | | 0.493 | 0.784 | 1.065 | 1.065 | 1.065 | 1.065 | 0.939 | 0.649 | 0.348 | 0.300 |
| 31 | 0.315 | | 0.503 | | 1.065 | | 1.065 | 1.065 | | 0.639 | | 0.300 |

ET calculations for Sheet AM: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Ms-low [11-60% screwbean/honey mesquite & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.07 | 0.11 | 0.24 | 0.27 | 0.21 | 0.22 | 0.14 | 0.09 | 0.04 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.06 | 0.17 | 0.24 | 0.30 | 0.15 | 0.19 | 0.15 | 0.06 | 0.04 | |
| 3 | 0.06 | 0.04 | 0.08 | 0.07 | 0.18 | 0.23 | 0.30 | 0.20 | 0.16 | 0.12 | 0.05 | 0.06 | |
| 4 | 0.05 | 0.03 | 0.06 | 0.05 | 0.15 | 0.17 | 0.26 | 0.20 | 0.16 | 0.12 | 0.04 | 0.06 | |
| 5 | 0.04 | 0.02 | 0.05 | 0.07 | 0.22 | 0.22 | 0.21 | 0.21 | 0.16 | 0.12 | 0.05 | 0.03 | |
| 6 | 0.02 | 0.02 | 0.07 | 0.08 | 0.18 | 0.26 | 0.20 | 0.25 | 0.15 | 0.17 | 0.08 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.07 | 0.18 | 0.25 | 0.19 | 0.21 | 0.15 | 0.21 | 0.04 | 0.04 | |
| 8 | 0.05 | 0.02 | 0.04 | 0.08 | 0.22 | 0.23 | 0.13 | 0.20 | 0.15 | 0.19 | 0.05 | 0.05 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.10 | 0.18 | 0.22 | 0.21 | 0.20 | 0.09 | 0.11 | 0.06 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.04 | 0.10 | 0.17 | 0.22 | 0.21 | 0.19 | 0.15 | 0.11 | 0.04 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.05 | 0.08 | 0.20 | 0.21 | 0.14 | 0.19 | 0.16 | 0.11 | 0.06 | 0.06 | |
| 12 | 0.04 | 0.06 | 0.07 | 0.09 | 0.22 | 0.22 | 0.11 | 0.18 | 0.19 | 0.11 | 0.07 | 0.04 | |
| 13 | 0.05 | 0.04 | 0.05 | 0.08 | 0.27 | 0.22 | 0.14 | 0.20 | 0.17 | 0.13 | 0.07 | 0.03 | |
| 14 | 0.07 | 0.04 | 0.04 | 0.16 | 0.23 | 0.27 | 0.19 | 0.19 | 0.17 | 0.10 | 0.05 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.22 | 0.19 | 0.28 | 0.21 | 0.20 | 0.16 | 0.10 | 0.04 | 0.06 | |
| 16 | 0.02 | 0.03 | 0.04 | 0.18 | 0.23 | 0.28 | 0.24 | 0.18 | 0.16 | 0.22 | 0.03 | 0.05 | |
| 17 | 0.02 | 0.03 | 0.05 | 0.10 | 0.17 | 0.27 | 0.23 | 0.20 | 0.15 | 0.21 | 0.05 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.05 | 0.11 | 0.20 | 0.27 | 0.21 | 0.21 | 0.20 | 0.10 | 0.07 | 0.02 | |
| 19 | 0.04 | 0.06 | 0.05 | 0.15 | 0.23 | 0.24 | 0.22 | 0.15 | 0.15 | 0.16 | 0.03 | 0.05 | |
| 20 | 0.05 | 0.08 | 0.08 | 0.15 | 0.22 | 0.24 | 0.22 | 0.17 | 0.15 | 0.14 | 0.04 | 0.05 | |
| 21 | 0.08 | 0.04 | 0.06 | 0.14 | 0.21 | 0.32 | 0.21 | 0.18 | 0.16 | 0.14 | 0.06 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.05 | 0.18 | 0.23 | 0.24 | 0.21 | 0.22 | 0.07 | 0.10 | 0.07 | 0.07 | |
| 23 | 0.03 | 0.06 | 0.07 | 0.09 | 0.17 | 0.22 | 0.22 | 0.14 | 0.13 | 0.08 | 0.06 | 0.07 | |
| 24 | 0.02 | 0.04 | 0.06 | 0.04 | 0.15 | 0.23 | 0.23 | 0.20 | 0.13 | 0.07 | 0.07 | 0.05 | |
| 25 | 0.04 | 0.05 | 0.06 | 0.09 | 0.17 | 0.26 | 0.23 | 0.20 | 0.14 | 0.07 | 0.05 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.09 | 0.14 | 0.19 | 0.25 | 0.21 | 0.18 | 0.14 | 0.06 | 0.03 | 0.03 | |
| 27 | 0.02 | 0.04 | 0.08 | 0.19 | 0.22 | 0.24 | 0.11 | 0.21 | 0.16 | 0.06 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.04 | 0.06 | 0.17 | 0.24 | 0.25 | 0.14 | 0.19 | 0.30 | 0.09 | 0.02 | 0.03 | |
| 29 | 0.06 | | 0.08 | 0.05 | 0.30 | 0.26 | 0.14 | 0.18 | 0.27 | 0.15 | 0.03 | 0.02 | |
| 30 | 0.02 | | 0.10 | 0.05 | 0.26 | 0.25 | 0.21 | 0.19 | 0.13 | 0.15 | 0.02 | 0.02 | |
| 31 | 0.05 | | 0.10 | | 0.26 | | 0.21 | 0.20 | | 0.10 | | 0.02 | |

Ms-low

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.374 | 0.532 | 0.697 | 0.765 | 0.765 | 0.765 | 0.765 | 0.567 | 0.330 |
| 2 | 0.315 | 0.315 | 0.315 | 0.379 | 0.538 | 0.702 | 0.765 | 0.765 | 0.765 | 0.765 | 0.559 | 0.322 |
| 3 | 0.315 | 0.315 | 0.315 | 0.384 | 0.543 | 0.707 | 0.765 | 0.765 | 0.765 | 0.765 | 0.551 | 0.314 |
| 4 | 0.315 | 0.315 | 0.315 | 0.389 | 0.548 | 0.712 | 0.765 | 0.765 | 0.765 | 0.765 | 0.544 | 0.306 |
| 5 | 0.315 | 0.315 | 0.315 | 0.395 | 0.554 | 0.718 | 0.765 | 0.765 | 0.765 | 0.765 | 0.536 | 0.298 |
| 6 | 0.315 | 0.315 | 0.315 | 0.400 | 0.559 | 0.723 | 0.765 | 0.765 | 0.765 | 0.765 | 0.528 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.405 | 0.564 | 0.728 | 0.765 | 0.765 | 0.765 | 0.765 | 0.520 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.411 | 0.569 | 0.734 | 0.765 | 0.765 | 0.765 | 0.757 | 0.512 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.416 | 0.575 | 0.739 | 0.765 | 0.765 | 0.765 | 0.750 | 0.504 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.421 | 0.580 | 0.744 | 0.765 | 0.765 | 0.765 | 0.742 | 0.496 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.426 | 0.585 | 0.750 | 0.765 | 0.765 | 0.765 | 0.734 | 0.488 | 0.300 |
| 12 | 0.315 | 0.315 | 0.315 | 0.432 | 0.591 | 0.755 | 0.765 | 0.765 | 0.765 | 0.726 | 0.480 | 0.300 |
| 13 | 0.315 | 0.315 | 0.315 | 0.437 | 0.596 | 0.760 | 0.765 | 0.765 | 0.765 | 0.718 | 0.472 | 0.300 |
| 14 | 0.315 | 0.315 | 0.315 | 0.442 | 0.601 | 0.765 | 0.765 | 0.765 | 0.765 | 0.710 | 0.464 | 0.300 |
| 15 | 0.315 | 0.315 | 0.315 | 0.448 | 0.607 | 0.765 | 0.765 | 0.765 | 0.765 | 0.702 | 0.456 | 0.300 |
| 16 | 0.315 | 0.315 | 0.315 | 0.453 | 0.612 | 0.765 | 0.765 | 0.765 | 0.765 | 0.694 | 0.448 | 0.300 |
| 17 | 0.315 | 0.315 | 0.315 | 0.458 | 0.617 | 0.765 | 0.765 | 0.765 | 0.765 | 0.686 | 0.441 | 0.300 |
| 18 | 0.315 | 0.315 | 0.315 | 0.464 | 0.622 | 0.765 | 0.765 | 0.765 | 0.765 | 0.678 | 0.433 | 0.300 |
| 19 | 0.315 | 0.315 | 0.315 | 0.469 | 0.628 | 0.765 | 0.765 | 0.765 | 0.765 | 0.670 | 0.425 | 0.300 |
| 20 | 0.315 | 0.315 | 0.315 | 0.474 | 0.633 | 0.765 | 0.765 | 0.765 | 0.765 | 0.662 | 0.417 | 0.300 |
| 21 | 0.315 | 0.315 | 0.315 | 0.479 | 0.638 | 0.765 | 0.765 | 0.765 | 0.765 | 0.654 | 0.409 | 0.300 |
| 22 | 0.315 | 0.315 | 0.321 | 0.485 | 0.644 | 0.765 | 0.765 | 0.765 | 0.765 | 0.647 | 0.401 | 0.300 |
| 23 | 0.315 | 0.315 | 0.326 | 0.490 | 0.649 | 0.765 | 0.765 | 0.765 | 0.765 | 0.639 | 0.393 | 0.300 |
| 24 | 0.315 | 0.315 | 0.331 | 0.495 | 0.654 | 0.765 | 0.765 | 0.765 | 0.765 | 0.631 | 0.385 | 0.300 |
| 25 | 0.315 | 0.315 | 0.336 | 0.501 | 0.659 | 0.765 | 0.765 | 0.765 | 0.765 | 0.623 | 0.377 | 0.300 |
| 26 | 0.315 | 0.315 | 0.342 | 0.506 | 0.665 | 0.765 | 0.765 | 0.765 | 0.765 | 0.615 | 0.369 | 0.300 |
| 27 | 0.315 | 0.315 | 0.347 | 0.511 | 0.670 | 0.765 | 0.765 | 0.765 | 0.765 | 0.607 | 0.361 | 0.300 |
| 28 | 0.315 | 0.315 | 0.352 | 0.517 | 0.675 | 0.765 | 0.765 | 0.765 | 0.765 | 0.599 | 0.353 | 0.300 |
| 29 | 0.315 | | 0.358 | 0.522 | 0.681 | 0.765 | 0.765 | 0.765 | 0.765 | 0.591 | 0.345 | 0.300 |
| 30 | 0.315 | | 0.363 | 0.527 | 0.686 | 0.765 | 0.765 | 0.765 | 0.765 | 0.583 | 0.338 | 0.300 |
| 31 | 0.315 | | 0.368 | | 0.691 | | 0.765 | 0.765 | | 0.575 | | 0.300 |

ET calculations for Sheet AN: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Ms-high [61-100% screwbean/honey mesquite & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.09 | 0.15 | 0.33 | 0.34 | 0.27 | 0.28 | 0.17 | 0.11 | 0.05 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.07 | 0.23 | 0.33 | 0.37 | 0.19 | 0.24 | 0.18 | 0.07 | 0.05 | |
| 3 | 0.06 | 0.04 | 0.08 | 0.09 | 0.24 | 0.31 | 0.38 | 0.26 | 0.21 | 0.14 | 0.06 | 0.07 | |
| 4 | 0.05 | 0.03 | 0.06 | 0.06 | 0.20 | 0.24 | 0.32 | 0.25 | 0.20 | 0.14 | 0.05 | 0.07 | |
| 5 | 0.04 | 0.02 | 0.05 | 0.10 | 0.30 | 0.30 | 0.27 | 0.27 | 0.20 | 0.14 | 0.06 | 0.03 | |
| 6 | 0.02 | 0.02 | 0.07 | 0.11 | 0.24 | 0.35 | 0.25 | 0.32 | 0.19 | 0.20 | 0.09 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.09 | 0.24 | 0.33 | 0.24 | 0.27 | 0.19 | 0.24 | 0.05 | 0.05 | |
| 8 | 0.05 | 0.02 | 0.04 | 0.10 | 0.29 | 0.31 | 0.17 | 0.26 | 0.19 | 0.22 | 0.06 | 0.06 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.13 | 0.25 | 0.29 | 0.27 | 0.26 | 0.11 | 0.13 | 0.07 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.04 | 0.12 | 0.23 | 0.29 | 0.26 | 0.24 | 0.19 | 0.13 | 0.05 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.05 | 0.10 | 0.27 | 0.27 | 0.18 | 0.24 | 0.20 | 0.12 | 0.07 | 0.07 | |
| 12 | 0.04 | 0.06 | 0.07 | 0.11 | 0.29 | 0.28 | 0.13 | 0.23 | 0.24 | 0.13 | 0.08 | 0.04 | |
| 13 | 0.05 | 0.04 | 0.05 | 0.11 | 0.36 | 0.28 | 0.18 | 0.25 | 0.21 | 0.15 | 0.08 | 0.03 | |
| 14 | 0.07 | 0.04 | 0.05 | 0.21 | 0.31 | 0.35 | 0.24 | 0.24 | 0.22 | 0.12 | 0.06 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.28 | 0.25 | 0.35 | 0.26 | 0.26 | 0.20 | 0.12 | 0.04 | 0.06 | |
| 16 | 0.02 | 0.03 | 0.05 | 0.23 | 0.31 | 0.36 | 0.31 | 0.23 | 0.21 | 0.26 | 0.03 | 0.04 | |
| 17 | 0.02 | 0.03 | 0.06 | 0.13 | 0.24 | 0.34 | 0.29 | 0.25 | 0.19 | 0.25 | 0.05 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.06 | 0.14 | 0.27 | 0.34 | 0.27 | 0.27 | 0.26 | 0.11 | 0.09 | 0.02 | |
| 19 | 0.04 | 0.06 | 0.06 | 0.19 | 0.31 | 0.30 | 0.28 | 0.19 | 0.19 | 0.18 | 0.04 | 0.05 | |
| 20 | 0.05 | 0.08 | 0.10 | 0.19 | 0.30 | 0.31 | 0.28 | 0.21 | 0.19 | 0.16 | 0.05 | 0.05 | |
| 21 | 0.08 | 0.04 | 0.07 | 0.19 | 0.28 | 0.40 | 0.27 | 0.23 | 0.20 | 0.16 | 0.07 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.07 | 0.23 | 0.31 | 0.30 | 0.27 | 0.28 | 0.09 | 0.12 | 0.08 | 0.07 | |
| 23 | 0.03 | 0.06 | 0.09 | 0.12 | 0.22 | 0.28 | 0.28 | 0.18 | 0.16 | 0.09 | 0.07 | 0.07 | |
| 24 | 0.02 | 0.04 | 0.08 | 0.05 | 0.20 | 0.30 | 0.29 | 0.25 | 0.17 | 0.08 | 0.09 | 0.05 | |
| 25 | 0.04 | 0.05 | 0.07 | 0.12 | 0.24 | 0.32 | 0.29 | 0.26 | 0.17 | 0.09 | 0.07 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.12 | 0.18 | 0.26 | 0.32 | 0.27 | 0.23 | 0.18 | 0.07 | 0.04 | 0.03 | |
| 27 | 0.02 | 0.04 | 0.10 | 0.25 | 0.30 | 0.31 | 0.14 | 0.26 | 0.20 | 0.07 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.04 | 0.08 | 0.23 | 0.33 | 0.32 | 0.18 | 0.24 | 0.38 | 0.11 | 0.03 | 0.03 | |
| 29 | 0.06 | | 0.10 | 0.07 | 0.41 | 0.32 | 0.18 | 0.23 | 0.33 | 0.18 | 0.04 | 0.02 | |
| 30 | 0.02 | | 0.13 | 0.07 | 0.36 | 0.31 | 0.26 | 0.24 | 0.16 | 0.18 | 0.03 | 0.02 | |
| 31 | 0.05 | | 0.12 | | 0.35 | | 0.26 | 0.26 | | 0.12 | | 0.02 | |

Ms-high

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.477 | 0.708 | 0.947 | 0.970 | 0.970 | 0.970 | 0.936 | 0.672 | 0.417 |
| 2 | 0.315 | 0.315 | 0.315 | 0.485 | 0.716 | 0.955 | 0.970 | 0.970 | 0.970 | 0.927 | 0.664 | 0.409 |
| 3 | 0.315 | 0.315 | 0.315 | 0.492 | 0.723 | 0.962 | 0.970 | 0.970 | 0.970 | 0.919 | 0.655 | 0.400 |
| 4 | 0.315 | 0.315 | 0.315 | 0.500 | 0.731 | 0.970 | 0.970 | 0.970 | 0.970 | 0.910 | 0.647 | 0.392 |
| 5 | 0.315 | 0.315 | 0.315 | 0.508 | 0.739 | 0.970 | 0.970 | 0.970 | 0.970 | 0.902 | 0.638 | 0.383 |
| 6 | 0.315 | 0.315 | 0.315 | 0.516 | 0.747 | 0.970 | 0.970 | 0.970 | 0.970 | 0.893 | 0.630 | 0.375 |
| 7 | 0.315 | 0.315 | 0.315 | 0.523 | 0.754 | 0.970 | 0.970 | 0.970 | 0.970 | 0.885 | 0.621 | 0.366 |
| 8 | 0.315 | 0.315 | 0.315 | 0.531 | 0.762 | 0.970 | 0.970 | 0.970 | 0.970 | 0.876 | 0.613 | 0.358 |
| 9 | 0.315 | 0.315 | 0.315 | 0.539 | 0.770 | 0.970 | 0.970 | 0.970 | 0.970 | 0.868 | 0.604 | 0.349 |
| 10 | 0.315 | 0.315 | 0.315 | 0.546 | 0.777 | 0.970 | 0.970 | 0.970 | 0.970 | 0.859 | 0.596 | 0.341 |
| 11 | 0.315 | 0.315 | 0.315 | 0.554 | 0.785 | 0.970 | 0.970 | 0.970 | 0.970 | 0.851 | 0.587 | 0.332 |
| 12 | 0.315 | 0.315 | 0.323 | 0.562 | 0.793 | 0.970 | 0.970 | 0.970 | 0.970 | 0.842 | 0.579 | 0.324 |
| 13 | 0.315 | 0.315 | 0.331 | 0.569 | 0.800 | 0.970 | 0.970 | 0.970 | 0.970 | 0.834 | 0.570 | 0.315 |
| 14 | 0.315 | 0.315 | 0.338 | 0.577 | 0.808 | 0.970 | 0.970 | 0.970 | 0.970 | 0.825 | 0.562 | 0.307 |
| 15 | 0.315 | 0.315 | 0.346 | 0.585 | 0.816 | 0.970 | 0.970 | 0.970 | 0.970 | 0.817 | 0.553 | 0.298 |
| 16 | 0.315 | 0.315 | 0.354 | 0.593 | 0.824 | 0.970 | 0.970 | 0.970 | 0.970 | 0.808 | 0.545 | 0.290 |
| 17 | 0.315 | 0.315 | 0.362 | 0.600 | 0.831 | 0.970 | 0.970 | 0.970 | 0.970 | 0.800 | 0.536 | 0.300 |
| 18 | 0.315 | 0.315 | 0.369 | 0.608 | 0.839 | 0.970 | 0.970 | 0.970 | 0.970 | 0.791 | 0.528 | 0.300 |
| 19 | 0.315 | 0.315 | 0.377 | 0.616 | 0.847 | 0.970 | 0.970 | 0.970 | 0.970 | 0.783 | 0.519 | 0.300 |
| 20 | 0.315 | 0.315 | 0.385 | 0.623 | 0.854 | 0.970 | 0.970 | 0.970 | 0.970 | 0.774 | 0.511 | 0.300 |
| 21 | 0.315 | 0.315 | 0.392 | 0.631 | 0.862 | 0.970 | 0.970 | 0.970 | 0.970 | 0.766 | 0.502 | 0.300 |
| 22 | 0.315 | 0.315 | 0.400 | 0.639 | 0.870 | 0.970 | 0.970 | 0.970 | 0.970 | 0.757 | 0.494 | 0.300 |
| 23 | 0.315 | 0.315 | 0.408 | 0.646 | 0.878 | 0.970 | 0.970 | 0.970 | 0.970 | 0.749 | 0.485 | 0.300 |
| 24 | 0.315 | 0.315 | 0.415 | 0.654 | 0.885 | 0.970 | 0.970 | 0.970 | 0.970 | 0.740 | 0.477 | 0.300 |
| 25 | 0.315 | 0.315 | 0.423 | 0.662 | 0.893 | 0.970 | 0.970 | 0.970 | 0.970 | 0.732 | 0.468 | 0.300 |
| 26 | 0.315 | 0.315 | 0.431 | 0.670 | 0.901 | 0.970 | 0.970 | 0.970 | 0.970 | 0.723 | 0.460 | 0.300 |
| 27 | 0.315 | 0.315 | 0.439 | 0.677 | 0.908 | 0.970 | 0.970 | 0.970 | 0.970 | 0.715 | 0.451 | 0.300 |
| 28 | 0.315 | 0.315 | 0.446 | 0.685 | 0.916 | 0.970 | 0.970 | 0.970 | 0.961 | 0.706 | 0.443 | 0.300 |
| 29 | 0.315 | | 0.454 | 0.693 | 0.924 | 0.970 | 0.970 | 0.970 | 0.953 | 0.698 | 0.434 | 0.300 |
| 30 | 0.315 | | 0.462 | 0.700 | 0.931 | 0.970 | 0.970 | 0.970 | 0.944 | 0.689 | 0.426 | 0.300 |
| 31 | 0.315 | | 0.469 | | 0.939 | | 0.970 | 0.970 | | 0.681 | | 0.300 |

ET calculations for Sheet AO: Page 1 of 2 1999 CROP ET

Mojave Valley - Mohave AZMET and Bullhead City NWS stations

(Sheet to calculate ET for Phreatophyte area classified Ms/aw [21-60% mesquite & 31-60% arrowweed & <= 20% salt cedar])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.08 | 0.14 | 0.31 | 0.33 | 0.26 | 0.27 | 0.15 | 0.09 | 0.04 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.07 | 0.22 | 0.31 | 0.36 | 0.19 | 0.24 | 0.16 | 0.06 | 0.04 | |
| 3 | 0.06 | 0.04 | 0.08 | 0.09 | 0.23 | 0.29 | 0.37 | 0.25 | 0.20 | 0.13 | 0.06 | 0.06 | |
| 4 | 0.05 | 0.03 | 0.06 | 0.06 | 0.19 | 0.22 | 0.32 | 0.24 | 0.19 | 0.12 | 0.04 | 0.06 | |
| 5 | 0.04 | 0.02 | 0.05 | 0.09 | 0.28 | 0.28 | 0.26 | 0.26 | 0.19 | 0.13 | 0.05 | 0.03 | |
| 6 | 0.02 | 0.02 | 0.07 | 0.10 | 0.23 | 0.33 | 0.25 | 0.31 | 0.19 | 0.18 | 0.08 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.09 | 0.23 | 0.31 | 0.24 | 0.26 | 0.19 | 0.21 | 0.04 | 0.04 | |
| 8 | 0.05 | 0.02 | 0.04 | 0.10 | 0.27 | 0.30 | 0.16 | 0.25 | 0.19 | 0.19 | 0.05 | 0.05 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.13 | 0.23 | 0.28 | 0.26 | 0.25 | 0.11 | 0.11 | 0.06 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.04 | 0.12 | 0.21 | 0.28 | 0.26 | 0.23 | 0.19 | 0.11 | 0.04 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.05 | 0.10 | 0.25 | 0.27 | 0.17 | 0.24 | 0.20 | 0.11 | 0.06 | 0.06 | |
| 12 | 0.04 | 0.06 | 0.07 | 0.11 | 0.28 | 0.27 | 0.13 | 0.23 | 0.23 | 0.12 | 0.07 | 0.04 | |
| 13 | 0.05 | 0.04 | 0.05 | 0.10 | 0.34 | 0.27 | 0.17 | 0.25 | 0.20 | 0.14 | 0.07 | 0.03 | |
| 14 | 0.07 | 0.04 | 0.05 | 0.20 | 0.30 | 0.34 | 0.24 | 0.24 | 0.21 | 0.10 | 0.05 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.27 | 0.24 | 0.34 | 0.26 | 0.25 | 0.20 | 0.10 | 0.04 | 0.06 | |
| 16 | 0.02 | 0.03 | 0.05 | 0.22 | 0.29 | 0.35 | 0.30 | 0.22 | 0.20 | 0.23 | 0.03 | 0.05 | |
| 17 | 0.02 | 0.03 | 0.06 | 0.13 | 0.22 | 0.33 | 0.28 | 0.24 | 0.19 | 0.22 | 0.05 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.05 | 0.14 | 0.26 | 0.33 | 0.26 | 0.26 | 0.25 | 0.10 | 0.07 | 0.02 | |
| 19 | 0.04 | 0.06 | 0.06 | 0.18 | 0.29 | 0.29 | 0.27 | 0.19 | 0.19 | 0.16 | 0.03 | 0.05 | |
| 20 | 0.05 | 0.08 | 0.10 | 0.18 | 0.28 | 0.30 | 0.27 | 0.21 | 0.18 | 0.14 | 0.04 | 0.05 | |
| 21 | 0.08 | 0.04 | 0.07 | 0.18 | 0.27 | 0.39 | 0.26 | 0.23 | 0.19 | 0.14 | 0.06 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.06 | 0.22 | 0.29 | 0.29 | 0.26 | 0.27 | 0.08 | 0.10 | 0.07 | 0.07 | |
| 23 | 0.03 | 0.06 | 0.08 | 0.11 | 0.21 | 0.27 | 0.27 | 0.17 | 0.15 | 0.08 | 0.06 | 0.07 | |
| 24 | 0.02 | 0.04 | 0.08 | 0.05 | 0.19 | 0.29 | 0.28 | 0.24 | 0.15 | 0.07 | 0.07 | 0.05 | |
| 25 | 0.04 | 0.05 | 0.07 | 0.12 | 0.22 | 0.32 | 0.28 | 0.25 | 0.16 | 0.07 | 0.05 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.12 | 0.17 | 0.24 | 0.31 | 0.26 | 0.23 | 0.16 | 0.06 | 0.03 | 0.03 | |
| 27 | 0.02 | 0.04 | 0.09 | 0.24 | 0.28 | 0.30 | 0.13 | 0.26 | 0.18 | 0.06 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.04 | 0.08 | 0.21 | 0.31 | 0.31 | 0.18 | 0.24 | 0.34 | 0.09 | 0.02 | 0.03 | |
| 29 | 0.06 | | 0.10 | 0.06 | 0.38 | 0.32 | 0.17 | 0.22 | 0.30 | 0.16 | 0.03 | 0.02 | |
| 30 | 0.02 | | 0.13 | 0.07 | 0.33 | 0.30 | 0.26 | 0.24 | 0.14 | 0.15 | 0.02 | 0.02 | |
| 31 | 0.05 | | 0.12 | | 0.33 | | 0.26 | 0.25 | | 0.10 | | 0.02 | |

Ms/aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.462 | 0.671 | 0.887 | 0.943 | 0.943 | 0.943 | 0.829 | 0.576 | 0.331 |
| 2 | 0.315 | 0.315 | 0.315 | 0.469 | 0.678 | 0.894 | 0.943 | 0.943 | 0.943 | 0.821 | 0.568 | 0.323 |
| 3 | 0.315 | 0.315 | 0.315 | 0.476 | 0.685 | 0.901 | 0.943 | 0.943 | 0.943 | 0.813 | 0.559 | 0.314 |
| 4 | 0.315 | 0.315 | 0.315 | 0.483 | 0.692 | 0.908 | 0.943 | 0.943 | 0.943 | 0.804 | 0.551 | 0.306 |
| 5 | 0.315 | 0.315 | 0.315 | 0.490 | 0.699 | 0.915 | 0.943 | 0.943 | 0.943 | 0.796 | 0.543 | 0.298 |
| 6 | 0.315 | 0.315 | 0.315 | 0.497 | 0.706 | 0.922 | 0.943 | 0.943 | 0.943 | 0.788 | 0.535 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.504 | 0.713 | 0.929 | 0.943 | 0.943 | 0.943 | 0.780 | 0.527 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.511 | 0.720 | 0.936 | 0.943 | 0.943 | 0.943 | 0.772 | 0.519 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.518 | 0.727 | 0.943 | 0.943 | 0.943 | 0.943 | 0.764 | 0.510 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.525 | 0.734 | 0.943 | 0.943 | 0.943 | 0.943 | 0.755 | 0.502 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.532 | 0.741 | 0.943 | 0.943 | 0.943 | 0.943 | 0.747 | 0.494 | 0.300 |
| 12 | 0.315 | 0.315 | 0.322 | 0.539 | 0.748 | 0.943 | 0.943 | 0.943 | 0.943 | 0.739 | 0.486 | 0.300 |
| 13 | 0.315 | 0.315 | 0.329 | 0.546 | 0.755 | 0.943 | 0.943 | 0.943 | 0.943 | 0.731 | 0.478 | 0.300 |
| 14 | 0.315 | 0.315 | 0.336 | 0.552 | 0.762 | 0.943 | 0.943 | 0.943 | 0.943 | 0.723 | 0.470 | 0.300 |
| 15 | 0.315 | 0.315 | 0.343 | 0.559 | 0.769 | 0.943 | 0.943 | 0.943 | 0.943 | 0.715 | 0.461 | 0.300 |
| 16 | 0.315 | 0.315 | 0.350 | 0.566 | 0.776 | 0.943 | 0.943 | 0.943 | 0.943 | 0.706 | 0.453 | 0.300 |
| 17 | 0.315 | 0.315 | 0.357 | 0.573 | 0.783 | 0.943 | 0.943 | 0.943 | 0.943 | 0.698 | 0.445 | 0.300 |
| 18 | 0.315 | 0.315 | 0.364 | 0.580 | 0.790 | 0.943 | 0.943 | 0.943 | 0.935 | 0.690 | 0.437 | 0.300 |
| 19 | 0.315 | 0.315 | 0.371 | 0.587 | 0.797 | 0.943 | 0.943 | 0.943 | 0.927 | 0.682 | 0.429 | 0.300 |
| 20 | 0.315 | 0.315 | 0.378 | 0.594 | 0.804 | 0.943 | 0.943 | 0.943 | 0.919 | 0.674 | 0.421 | 0.300 |
| 21 | 0.315 | 0.315 | 0.385 | 0.601 | 0.811 | 0.943 | 0.943 | 0.943 | 0.910 | 0.666 | 0.412 | 0.300 |
| 22 | 0.315 | 0.315 | 0.392 | 0.608 | 0.818 | 0.943 | 0.943 | 0.943 | 0.902 | 0.657 | 0.404 | 0.300 |
| 23 | 0.315 | 0.315 | 0.399 | 0.615 | 0.825 | 0.943 | 0.943 | 0.943 | 0.894 | 0.649 | 0.396 | 0.300 |
| 24 | 0.315 | 0.315 | 0.406 | 0.622 | 0.832 | 0.943 | 0.943 | 0.943 | 0.886 | 0.641 | 0.388 | 0.300 |
| 25 | 0.315 | 0.315 | 0.413 | 0.629 | 0.839 | 0.943 | 0.943 | 0.943 | 0.878 | 0.633 | 0.380 | 0.300 |
| 26 | 0.315 | 0.315 | 0.420 | 0.636 | 0.845 | 0.943 | 0.943 | 0.943 | 0.870 | 0.625 | 0.372 | 0.300 |
| 27 | 0.315 | 0.315 | 0.427 | 0.643 | 0.852 | 0.943 | 0.943 | 0.943 | 0.862 | 0.617 | 0.363 | 0.300 |
| 28 | 0.315 | 0.315 | 0.434 | 0.650 | 0.859 | 0.943 | 0.943 | 0.943 | 0.853 | 0.608 | 0.355 | 0.300 |
| 29 | 0.315 | | 0.441 | 0.657 | 0.866 | 0.943 | 0.943 | 0.943 | 0.845 | 0.600 | 0.347 | 0.300 |
| 30 | 0.315 | | 0.448 | 0.664 | 0.873 | 0.943 | 0.943 | 0.943 | 0.837 | 0.592 | 0.339 | 0.300 |
| 31 | 0.315 | | 0.455 | | 0.880 | | 0.943 | 0.943 | | 0.584 | | 0.300 |

ET calculations for Sheet AP: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Aw [51-100% arrowweed & <= 10% any trees])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.09 | 0.15 | 0.33 | 0.34 | 0.26 | 0.25 | 0.12 | 0.07 | 0.04 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.08 | 0.24 | 0.33 | 0.37 | 0.19 | 0.22 | 0.13 | 0.05 | 0.04 | |
| 3 | 0.06 | 0.04 | 0.08 | 0.10 | 0.25 | 0.30 | 0.37 | 0.26 | 0.18 | 0.10 | 0.04 | 0.05 | |
| 4 | 0.05 | 0.03 | 0.06 | 0.07 | 0.20 | 0.23 | 0.32 | 0.24 | 0.17 | 0.10 | 0.03 | 0.05 | |
| 5 | 0.04 | 0.02 | 0.05 | 0.10 | 0.31 | 0.29 | 0.27 | 0.26 | 0.17 | 0.10 | 0.04 | 0.03 | |
| 6 | 0.02 | 0.02 | 0.07 | 0.11 | 0.25 | 0.35 | 0.25 | 0.31 | 0.16 | 0.14 | 0.06 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.09 | 0.25 | 0.32 | 0.24 | 0.26 | 0.16 | 0.17 | 0.03 | 0.04 | |
| 8 | 0.05 | 0.02 | 0.05 | 0.11 | 0.30 | 0.30 | 0.17 | 0.26 | 0.16 | 0.15 | 0.04 | 0.05 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.14 | 0.25 | 0.29 | 0.26 | 0.25 | 0.10 | 0.09 | 0.05 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.04 | 0.13 | 0.23 | 0.29 | 0.26 | 0.24 | 0.16 | 0.09 | 0.03 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.06 | 0.11 | 0.28 | 0.27 | 0.17 | 0.24 | 0.17 | 0.09 | 0.05 | 0.06 | |
| 12 | 0.04 | 0.06 | 0.08 | 0.12 | 0.30 | 0.27 | 0.13 | 0.23 | 0.20 | 0.09 | 0.06 | 0.04 | |
| 13 | 0.05 | 0.04 | 0.06 | 0.11 | 0.37 | 0.28 | 0.17 | 0.25 | 0.17 | 0.11 | 0.05 | 0.03 | |
| 14 | 0.07 | 0.04 | 0.05 | 0.22 | 0.32 | 0.34 | 0.24 | 0.24 | 0.17 | 0.08 | 0.04 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.08 | 0.30 | 0.26 | 0.35 | 0.26 | 0.26 | 0.16 | 0.08 | 0.03 | 0.06 | |
| 16 | 0.02 | 0.03 | 0.05 | 0.24 | 0.32 | 0.35 | 0.30 | 0.22 | 0.16 | 0.18 | 0.02 | 0.05 | |
| 17 | 0.02 | 0.03 | 0.06 | 0.14 | 0.24 | 0.33 | 0.28 | 0.24 | 0.15 | 0.17 | 0.04 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.06 | 0.15 | 0.28 | 0.33 | 0.26 | 0.26 | 0.20 | 0.08 | 0.06 | 0.02 | |
| 19 | 0.04 | 0.06 | 0.06 | 0.20 | 0.32 | 0.30 | 0.27 | 0.19 | 0.15 | 0.13 | 0.03 | 0.05 | |
| 20 | 0.05 | 0.08 | 0.11 | 0.20 | 0.31 | 0.30 | 0.27 | 0.21 | 0.15 | 0.11 | 0.03 | 0.05 | |
| 21 | 0.08 | 0.04 | 0.08 | 0.19 | 0.29 | 0.40 | 0.26 | 0.22 | 0.15 | 0.11 | 0.05 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.07 | 0.24 | 0.32 | 0.30 | 0.26 | 0.27 | 0.07 | 0.08 | 0.05 | 0.07 | |
| 23 | 0.03 | 0.06 | 0.09 | 0.12 | 0.23 | 0.27 | 0.27 | 0.17 | 0.12 | 0.06 | 0.05 | 0.07 | |
| 24 | 0.02 | 0.04 | 0.08 | 0.06 | 0.20 | 0.29 | 0.29 | 0.23 | 0.12 | 0.05 | 0.06 | 0.05 | |
| 25 | 0.04 | 0.05 | 0.08 | 0.13 | 0.24 | 0.32 | 0.29 | 0.24 | 0.12 | 0.06 | 0.04 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.13 | 0.19 | 0.27 | 0.32 | 0.27 | 0.22 | 0.13 | 0.05 | 0.02 | 0.03 | |
| 27 | 0.02 | 0.04 | 0.10 | 0.26 | 0.31 | 0.30 | 0.14 | 0.24 | 0.14 | 0.05 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.04 | 0.09 | 0.24 | 0.34 | 0.31 | 0.18 | 0.22 | 0.27 | 0.07 | 0.02 | 0.03 | |
| 29 | 0.06 | | 0.11 | 0.07 | 0.42 | 0.32 | 0.18 | 0.21 | 0.24 | 0.12 | 0.03 | 0.02 | |
| 30 | 0.02 | | 0.14 | 0.07 | 0.36 | 0.31 | 0.26 | 0.22 | 0.12 | 0.12 | 0.02 | 0.02 | |
| 31 | 0.05 | | 0.13 | | 0.35 | | 0.26 | 0.23 | | 0.08 | | 0.02 | |

Aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.510 | 0.736 | 0.953 | 0.953 | 0.953 | 0.860 | 0.661 | 0.456 | 0.300 |
| 2 | 0.315 | 0.315 | 0.315 | 0.518 | 0.743 | 0.953 | 0.953 | 0.953 | 0.854 | 0.655 | 0.449 | 0.300 |
| 3 | 0.315 | 0.315 | 0.315 | 0.525 | 0.751 | 0.953 | 0.953 | 0.953 | 0.847 | 0.648 | 0.443 | 0.300 |
| 4 | 0.315 | 0.315 | 0.315 | 0.533 | 0.758 | 0.953 | 0.953 | 0.953 | 0.840 | 0.641 | 0.436 | 0.300 |
| 5 | 0.315 | 0.315 | 0.315 | 0.540 | 0.766 | 0.953 | 0.953 | 0.953 | 0.834 | 0.635 | 0.429 | 0.300 |
| 6 | 0.315 | 0.315 | 0.315 | 0.548 | 0.773 | 0.953 | 0.953 | 0.953 | 0.827 | 0.628 | 0.423 | 0.300 |
| 7 | 0.315 | 0.315 | 0.323 | 0.555 | 0.781 | 0.953 | 0.953 | 0.953 | 0.821 | 0.622 | 0.416 | 0.300 |
| 8 | 0.315 | 0.315 | 0.330 | 0.563 | 0.788 | 0.953 | 0.953 | 0.953 | 0.814 | 0.615 | 0.409 | 0.300 |
| 9 | 0.315 | 0.315 | 0.338 | 0.570 | 0.796 | 0.953 | 0.953 | 0.953 | 0.807 | 0.608 | 0.403 | 0.300 |
| 10 | 0.315 | 0.315 | 0.345 | 0.578 | 0.803 | 0.953 | 0.953 | 0.953 | 0.801 | 0.602 | 0.396 | 0.300 |
| 11 | 0.315 | 0.315 | 0.353 | 0.585 | 0.811 | 0.953 | 0.953 | 0.953 | 0.794 | 0.595 | 0.389 | 0.300 |
| 12 | 0.315 | 0.315 | 0.360 | 0.593 | 0.818 | 0.953 | 0.953 | 0.953 | 0.787 | 0.588 | 0.383 | 0.300 |
| 13 | 0.315 | 0.315 | 0.368 | 0.600 | 0.826 | 0.953 | 0.953 | 0.953 | 0.781 | 0.582 | 0.376 | 0.300 |
| 14 | 0.315 | 0.315 | 0.375 | 0.608 | 0.833 | 0.953 | 0.953 | 0.953 | 0.774 | 0.575 | 0.370 | 0.300 |
| 15 | 0.315 | 0.315 | 0.383 | 0.615 | 0.841 | 0.953 | 0.953 | 0.953 | 0.767 | 0.569 | 0.363 | 0.300 |
| 16 | 0.315 | 0.315 | 0.390 | 0.623 | 0.848 | 0.953 | 0.953 | 0.953 | 0.761 | 0.562 | 0.356 | 0.300 |
| 17 | 0.315 | 0.315 | 0.398 | 0.630 | 0.856 | 0.953 | 0.953 | 0.953 | 0.754 | 0.555 | 0.350 | 0.300 |
| 18 | 0.315 | 0.315 | 0.405 | 0.638 | 0.863 | 0.953 | 0.953 | 0.953 | 0.748 | 0.549 | 0.343 | 0.300 |
| 19 | 0.315 | 0.315 | 0.413 | 0.645 | 0.871 | 0.953 | 0.953 | 0.946 | 0.741 | 0.542 | 0.336 | 0.300 |
| 20 | 0.315 | 0.315 | 0.420 | 0.653 | 0.878 | 0.953 | 0.953 | 0.940 | 0.734 | 0.535 | 0.330 | 0.300 |
| 21 | 0.315 | 0.315 | 0.428 | 0.660 | 0.886 | 0.953 | 0.953 | 0.933 | 0.728 | 0.529 | 0.323 | 0.300 |
| 22 | 0.315 | 0.315 | 0.435 | 0.668 | 0.893 | 0.953 | 0.953 | 0.927 | 0.721 | 0.522 | 0.317 | 0.300 |
| 23 | 0.315 | 0.315 | 0.443 | 0.675 | 0.901 | 0.953 | 0.953 | 0.920 | 0.714 | 0.515 | 0.310 | 0.300 |
| 24 | 0.315 | 0.315 | 0.450 | 0.683 | 0.908 | 0.953 | 0.953 | 0.913 | 0.708 | 0.509 | 0.303 | 0.300 |
| 25 | 0.315 | 0.315 | 0.458 | 0.690 | 0.916 | 0.953 | 0.953 | 0.907 | 0.701 | 0.502 | 0.297 | 0.300 |
| 26 | 0.315 | 0.315 | 0.465 | 0.698 | 0.923 | 0.953 | 0.953 | 0.900 | 0.695 | 0.496 | 0.290 | 0.300 |
| 27 | 0.315 | 0.315 | 0.473 | 0.705 | 0.931 | 0.953 | 0.953 | 0.893 | 0.688 | 0.489 | 0.300 | 0.300 |
| 28 | 0.315 | 0.315 | 0.480 | 0.713 | 0.938 | 0.953 | 0.953 | 0.887 | 0.681 | 0.482 | 0.300 | 0.300 |
| 29 | 0.315 | | 0.488 | 0.721 | 0.946 | 0.953 | 0.953 | 0.880 | 0.675 | 0.476 | 0.300 | 0.300 |
| 30 | 0.315 | | 0.495 | 0.728 | 0.953 | 0.953 | 0.953 | 0.874 | 0.668 | 0.469 | 0.300 | 0.300 |
| 31 | 0.315 | | 0.503 | | 0.953 | | 0.953 | 0.867 | | 0.462 | | 0.300 |

ET calculations for Sheet AQ: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Cw [61-100% cottonwood and willow trees])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.10 | 0.16 | 0.35 | 0.36 | 0.28 | 0.27 | 0.12 | 0.08 | 0.04 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.08 | 0.25 | 0.35 | 0.39 | 0.20 | 0.23 | 0.14 | 0.05 | 0.04 | |
| 3 | 0.06 | 0.04 | 0.08 | 0.11 | 0.27 | 0.33 | 0.40 | 0.27 | 0.19 | 0.11 | 0.05 | 0.05 | |
| 4 | 0.05 | 0.03 | 0.06 | 0.07 | 0.22 | 0.25 | 0.34 | 0.26 | 0.18 | 0.10 | 0.04 | 0.05 | |
| 5 | 0.04 | 0.02 | 0.05 | 0.11 | 0.33 | 0.31 | 0.29 | 0.28 | 0.18 | 0.11 | 0.04 | 0.03 | |
| 6 | 0.02 | 0.02 | 0.07 | 0.12 | 0.27 | 0.37 | 0.27 | 0.33 | 0.17 | 0.15 | 0.06 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.10 | 0.26 | 0.35 | 0.26 | 0.28 | 0.17 | 0.18 | 0.03 | 0.04 | |
| 8 | 0.05 | 0.02 | 0.05 | 0.11 | 0.32 | 0.33 | 0.18 | 0.27 | 0.17 | 0.16 | 0.04 | 0.05 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.15 | 0.27 | 0.31 | 0.28 | 0.27 | 0.10 | 0.10 | 0.05 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.05 | 0.14 | 0.25 | 0.31 | 0.28 | 0.25 | 0.17 | 0.09 | 0.03 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.06 | 0.12 | 0.30 | 0.29 | 0.18 | 0.26 | 0.18 | 0.09 | 0.05 | 0.06 | |
| 12 | 0.04 | 0.06 | 0.08 | 0.12 | 0.32 | 0.29 | 0.14 | 0.24 | 0.21 | 0.10 | 0.06 | 0.04 | |
| 13 | 0.05 | 0.04 | 0.06 | 0.12 | 0.39 | 0.30 | 0.18 | 0.27 | 0.18 | 0.11 | 0.06 | 0.03 | |
| 14 | 0.07 | 0.04 | 0.05 | 0.23 | 0.35 | 0.37 | 0.26 | 0.26 | 0.18 | 0.09 | 0.04 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.08 | 0.31 | 0.28 | 0.37 | 0.28 | 0.27 | 0.17 | 0.08 | 0.03 | 0.06 | |
| 16 | 0.02 | 0.03 | 0.05 | 0.26 | 0.34 | 0.37 | 0.32 | 0.24 | 0.17 | 0.19 | 0.02 | 0.05 | |
| 17 | 0.02 | 0.03 | 0.06 | 0.15 | 0.26 | 0.35 | 0.30 | 0.26 | 0.16 | 0.18 | 0.04 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.06 | 0.16 | 0.30 | 0.35 | 0.28 | 0.28 | 0.21 | 0.08 | 0.06 | 0.02 | |
| 19 | 0.04 | 0.06 | 0.06 | 0.21 | 0.34 | 0.32 | 0.29 | 0.20 | 0.16 | 0.13 | 0.03 | 0.05 | |
| 20 | 0.05 | 0.08 | 0.11 | 0.21 | 0.33 | 0.32 | 0.29 | 0.22 | 0.16 | 0.12 | 0.03 | 0.05 | |
| 21 | 0.08 | 0.04 | 0.08 | 0.21 | 0.31 | 0.43 | 0.28 | 0.24 | 0.16 | 0.12 | 0.05 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.07 | 0.26 | 0.34 | 0.32 | 0.28 | 0.28 | 0.07 | 0.08 | 0.05 | 0.07 | |
| 23 | 0.03 | 0.06 | 0.10 | 0.13 | 0.25 | 0.29 | 0.29 | 0.18 | 0.13 | 0.07 | 0.05 | 0.07 | |
| 24 | 0.02 | 0.04 | 0.09 | 0.06 | 0.22 | 0.31 | 0.31 | 0.25 | 0.13 | 0.06 | 0.06 | 0.05 | |
| 25 | 0.04 | 0.05 | 0.08 | 0.14 | 0.26 | 0.34 | 0.31 | 0.26 | 0.13 | 0.06 | 0.04 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.13 | 0.20 | 0.28 | 0.34 | 0.29 | 0.23 | 0.13 | 0.05 | 0.02 | 0.03 | |
| 27 | 0.02 | 0.04 | 0.11 | 0.28 | 0.33 | 0.33 | 0.14 | 0.26 | 0.15 | 0.05 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.04 | 0.09 | 0.25 | 0.36 | 0.33 | 0.19 | 0.24 | 0.29 | 0.08 | 0.02 | 0.03 | |
| 29 | 0.06 | | 0.11 | 0.08 | 0.45 | 0.34 | 0.19 | 0.22 | 0.25 | 0.13 | 0.03 | 0.02 | |
| 30 | 0.02 | | 0.15 | 0.08 | 0.39 | 0.33 | 0.28 | 0.23 | 0.12 | 0.13 | 0.02 | 0.02 | |
| 31 | 0.05 | | 0.14 | | 0.38 | | 0.28 | 0.25 | | 0.08 | | 0.02 | |

Cw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.531 | 0.780 | 1.020 | 1.020 | 1.020 | 0.918 | 0.699 | 0.472 | 0.300 |
| 2 | 0.315 | 0.315 | 0.315 | 0.539 | 0.788 | 1.020 | 1.020 | 1.020 | 0.910 | 0.691 | 0.465 | 0.300 |
| 3 | 0.315 | 0.315 | 0.315 | 0.547 | 0.796 | 1.020 | 1.020 | 1.020 | 0.903 | 0.684 | 0.458 | 0.300 |
| 4 | 0.315 | 0.315 | 0.315 | 0.556 | 0.804 | 1.020 | 1.020 | 1.020 | 0.896 | 0.677 | 0.451 | 0.300 |
| 5 | 0.315 | 0.315 | 0.315 | 0.564 | 0.813 | 1.020 | 1.020 | 1.020 | 0.889 | 0.670 | 0.443 | 0.300 |
| 6 | 0.315 | 0.315 | 0.315 | 0.572 | 0.821 | 1.020 | 1.020 | 1.020 | 0.881 | 0.662 | 0.436 | 0.300 |
| 7 | 0.315 | 0.315 | 0.324 | 0.581 | 0.829 | 1.020 | 1.020 | 1.020 | 0.874 | 0.655 | 0.429 | 0.300 |
| 8 | 0.315 | 0.315 | 0.332 | 0.589 | 0.838 | 1.020 | 1.020 | 1.020 | 0.867 | 0.648 | 0.421 | 0.300 |
| 9 | 0.315 | 0.315 | 0.340 | 0.597 | 0.846 | 1.020 | 1.020 | 1.020 | 0.859 | 0.640 | 0.414 | 0.300 |
| 10 | 0.315 | 0.315 | 0.348 | 0.605 | 0.854 | 1.020 | 1.020 | 1.020 | 0.852 | 0.633 | 0.407 | 0.300 |
| 11 | 0.315 | 0.315 | 0.357 | 0.614 | 0.862 | 1.020 | 1.020 | 1.020 | 0.845 | 0.626 | 0.399 | 0.300 |
| 12 | 0.315 | 0.315 | 0.365 | 0.622 | 0.871 | 1.020 | 1.020 | 1.020 | 0.837 | 0.618 | 0.392 | 0.300 |
| 13 | 0.315 | 0.315 | 0.373 | 0.630 | 0.879 | 1.020 | 1.020 | 1.020 | 0.830 | 0.611 | 0.385 | 0.300 |
| 14 | 0.315 | 0.315 | 0.382 | 0.639 | 0.887 | 1.020 | 1.020 | 1.020 | 0.823 | 0.604 | 0.378 | 0.300 |
| 15 | 0.315 | 0.315 | 0.390 | 0.647 | 0.896 | 1.020 | 1.020 | 1.020 | 0.816 | 0.597 | 0.370 | 0.300 |
| 16 | 0.315 | 0.315 | 0.398 | 0.655 | 0.904 | 1.020 | 1.020 | 1.020 | 0.808 | 0.589 | 0.363 | 0.300 |
| 17 | 0.315 | 0.315 | 0.406 | 0.663 | 0.912 | 1.020 | 1.020 | 1.020 | 0.801 | 0.582 | 0.356 | 0.300 |
| 18 | 0.315 | 0.315 | 0.415 | 0.672 | 0.920 | 1.020 | 1.020 | 1.020 | 0.794 | 0.575 | 0.348 | 0.300 |
| 19 | 0.315 | 0.315 | 0.423 | 0.680 | 0.929 | 1.020 | 1.020 | 1.013 | 0.786 | 0.567 | 0.341 | 0.300 |
| 20 | 0.315 | 0.315 | 0.431 | 0.688 | 0.937 | 1.020 | 1.020 | 1.005 | 0.779 | 0.560 | 0.334 | 0.300 |
| 21 | 0.315 | 0.315 | 0.440 | 0.697 | 0.945 | 1.020 | 1.020 | 0.998 | 0.772 | 0.553 | 0.326 | 0.300 |
| 22 | 0.315 | 0.315 | 0.448 | 0.705 | 0.954 | 1.020 | 1.020 | 0.991 | 0.764 | 0.545 | 0.319 | 0.300 |
| 23 | 0.315 | 0.315 | 0.456 | 0.713 | 0.962 | 1.020 | 1.020 | 0.983 | 0.757 | 0.538 | 0.312 | 0.300 |
| 24 | 0.315 | 0.315 | 0.465 | 0.721 | 0.970 | 1.020 | 1.020 | 0.976 | 0.750 | 0.531 | 0.305 | 0.300 |
| 25 | 0.315 | 0.315 | 0.473 | 0.730 | 0.978 | 1.020 | 1.020 | 0.969 | 0.743 | 0.524 | 0.297 | 0.300 |
| 26 | 0.315 | 0.315 | 0.481 | 0.738 | 0.987 | 1.020 | 1.020 | 0.962 | 0.735 | 0.516 | 0.290 | 0.300 |
| 27 | 0.315 | 0.315 | 0.489 | 0.746 | 0.995 | 1.020 | 1.020 | 0.954 | 0.728 | 0.509 | 0.300 | 0.300 |
| 28 | 0.315 | 0.315 | 0.498 | 0.755 | 1.003 | 1.020 | 1.020 | 0.947 | 0.721 | 0.502 | 0.300 | 0.300 |
| 29 | 0.315 | | 0.506 | 0.763 | 1.012 | 1.020 | 1.020 | 0.940 | 0.713 | 0.494 | 0.300 | 0.300 |
| 30 | 0.315 | | 0.514 | 0.771 | 1.020 | 1.020 | 1.020 | 0.932 | 0.706 | 0.487 | 0.300 | 0.300 |
| 31 | 0.315 | | 0.523 | | 1.020 | | 1.020 | 0.925 | | 0.480 | | 0.300 |

ET calculations for Sheet AR: Page 1 of 2 1999 CROP ET
 Mojave Valley - Mohave AZMET and Bullhead City NWS stations
 (Sheet to calculate ET for Phreatophyte area classified Low Vegetation [$> 10\%$ and $\leq 30\%$ any phreatophyte vegetation])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.09 | 0.14 | 0.29 | 0.30 | 0.23 | 0.24 | 0.12 | 0.08 | 0.04 | |
| 2 | 0.06 | 0.06 | 0.05 | 0.07 | 0.21 | 0.29 | 0.32 | 0.16 | 0.20 | 0.13 | 0.05 | 0.04 | |
| 3 | 0.06 | 0.04 | 0.08 | 0.09 | 0.23 | 0.27 | 0.33 | 0.22 | 0.17 | 0.10 | 0.05 | 0.05 | |
| 4 | 0.05 | 0.03 | 0.06 | 0.06 | 0.18 | 0.20 | 0.28 | 0.21 | 0.16 | 0.10 | 0.04 | 0.05 | |
| 5 | 0.04 | 0.02 | 0.05 | 0.09 | 0.27 | 0.26 | 0.23 | 0.23 | 0.16 | 0.10 | 0.04 | 0.03 | |
| 6 | 0.02 | 0.02 | 0.07 | 0.11 | 0.22 | 0.30 | 0.22 | 0.27 | 0.15 | 0.14 | 0.07 | 0.03 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.09 | 0.22 | 0.28 | 0.21 | 0.23 | 0.15 | 0.17 | 0.03 | 0.04 | |
| 8 | 0.05 | 0.02 | 0.05 | 0.10 | 0.27 | 0.27 | 0.14 | 0.22 | 0.16 | 0.15 | 0.04 | 0.05 | |
| 9 | 0.07 | 0.04 | 0.05 | 0.13 | 0.23 | 0.25 | 0.23 | 0.22 | 0.09 | 0.09 | 0.05 | 0.02 | |
| 10 | 0.05 | 0.05 | 0.04 | 0.12 | 0.21 | 0.25 | 0.23 | 0.21 | 0.15 | 0.09 | 0.03 | 0.04 | |
| 11 | 0.02 | 0.05 | 0.06 | 0.10 | 0.25 | 0.24 | 0.15 | 0.21 | 0.16 | 0.09 | 0.05 | 0.06 | |
| 12 | 0.04 | 0.06 | 0.07 | 0.11 | 0.27 | 0.24 | 0.12 | 0.20 | 0.19 | 0.09 | 0.06 | 0.04 | |
| 13 | 0.05 | 0.04 | 0.05 | 0.10 | 0.33 | 0.24 | 0.15 | 0.22 | 0.16 | 0.11 | 0.06 | 0.03 | |
| 14 | 0.07 | 0.04 | 0.05 | 0.20 | 0.29 | 0.30 | 0.21 | 0.21 | 0.17 | 0.08 | 0.05 | 0.06 | |
| 15 | 0.03 | 0.05 | 0.08 | 0.27 | 0.23 | 0.30 | 0.23 | 0.22 | 0.15 | 0.08 | 0.03 | 0.06 | |
| 16 | 0.02 | 0.03 | 0.05 | 0.22 | 0.28 | 0.31 | 0.26 | 0.19 | 0.16 | 0.18 | 0.03 | 0.05 | |
| 17 | 0.02 | 0.03 | 0.06 | 0.13 | 0.21 | 0.29 | 0.25 | 0.21 | 0.14 | 0.18 | 0.04 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.06 | 0.14 | 0.25 | 0.29 | 0.23 | 0.23 | 0.19 | 0.08 | 0.07 | 0.02 | |
| 19 | 0.04 | 0.06 | 0.06 | 0.18 | 0.28 | 0.26 | 0.24 | 0.17 | 0.14 | 0.13 | 0.03 | 0.05 | |
| 20 | 0.05 | 0.08 | 0.11 | 0.18 | 0.27 | 0.26 | 0.24 | 0.18 | 0.14 | 0.11 | 0.03 | 0.05 | |
| 21 | 0.08 | 0.04 | 0.08 | 0.18 | 0.25 | 0.35 | 0.23 | 0.20 | 0.14 | 0.11 | 0.05 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.07 | 0.22 | 0.28 | 0.26 | 0.23 | 0.24 | 0.06 | 0.08 | 0.06 | 0.07 | |
| 23 | 0.03 | 0.06 | 0.09 | 0.11 | 0.20 | 0.24 | 0.24 | 0.15 | 0.11 | 0.06 | 0.05 | 0.07 | |
| 24 | 0.02 | 0.04 | 0.08 | 0.05 | 0.18 | 0.26 | 0.25 | 0.21 | 0.12 | 0.06 | 0.07 | 0.05 | |
| 25 | 0.04 | 0.05 | 0.08 | 0.11 | 0.21 | 0.28 | 0.25 | 0.22 | 0.12 | 0.06 | 0.05 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.12 | 0.17 | 0.23 | 0.28 | 0.23 | 0.20 | 0.12 | 0.05 | 0.03 | 0.03 | |
| 27 | 0.02 | 0.04 | 0.10 | 0.23 | 0.27 | 0.27 | 0.12 | 0.23 | 0.14 | 0.05 | 0.02 | 0.05 | |
| 28 | 0.05 | 0.04 | 0.08 | 0.21 | 0.29 | 0.27 | 0.16 | 0.21 | 0.26 | 0.08 | 0.02 | 0.03 | |
| 29 | 0.06 | | 0.10 | 0.06 | 0.37 | 0.28 | 0.15 | 0.20 | 0.23 | 0.13 | 0.03 | 0.02 | |
| 30 | 0.02 | | 0.13 | 0.06 | 0.32 | 0.27 | 0.23 | 0.21 | 0.11 | 0.13 | 0.02 | 0.02 | |
| 31 | 0.05 | | 0.12 | | 0.31 | | 0.23 | 0.22 | | 0.08 | | 0.02 | |

Low Veg

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.474 | 0.658 | 0.835 | 0.835 | 0.835 | 0.813 | 0.650 | 0.481 | 0.317 |
| 2 | 0.315 | 0.315 | 0.315 | 0.480 | 0.664 | 0.835 | 0.835 | 0.835 | 0.808 | 0.644 | 0.475 | 0.312 |
| 3 | 0.315 | 0.315 | 0.315 | 0.487 | 0.670 | 0.835 | 0.835 | 0.835 | 0.802 | 0.639 | 0.470 | 0.306 |
| 4 | 0.315 | 0.315 | 0.315 | 0.493 | 0.676 | 0.835 | 0.835 | 0.835 | 0.797 | 0.633 | 0.464 | 0.301 |
| 5 | 0.315 | 0.315 | 0.315 | 0.499 | 0.682 | 0.835 | 0.835 | 0.835 | 0.791 | 0.628 | 0.459 | 0.295 |
| 6 | 0.315 | 0.315 | 0.315 | 0.505 | 0.688 | 0.835 | 0.835 | 0.835 | 0.786 | 0.622 | 0.454 | 0.290 |
| 7 | 0.315 | 0.315 | 0.321 | 0.511 | 0.694 | 0.835 | 0.835 | 0.835 | 0.781 | 0.617 | 0.448 | 0.300 |
| 8 | 0.315 | 0.315 | 0.328 | 0.517 | 0.701 | 0.835 | 0.835 | 0.835 | 0.775 | 0.612 | 0.443 | 0.300 |
| 9 | 0.315 | 0.315 | 0.334 | 0.523 | 0.707 | 0.835 | 0.835 | 0.835 | 0.770 | 0.606 | 0.437 | 0.300 |
| 10 | 0.315 | 0.315 | 0.340 | 0.529 | 0.713 | 0.835 | 0.835 | 0.835 | 0.764 | 0.601 | 0.432 | 0.300 |
| 11 | 0.315 | 0.315 | 0.346 | 0.535 | 0.719 | 0.835 | 0.835 | 0.835 | 0.759 | 0.595 | 0.426 | 0.300 |
| 12 | 0.315 | 0.315 | 0.352 | 0.542 | 0.725 | 0.835 | 0.835 | 0.835 | 0.753 | 0.590 | 0.421 | 0.300 |
| 13 | 0.315 | 0.315 | 0.358 | 0.548 | 0.731 | 0.835 | 0.835 | 0.835 | 0.748 | 0.584 | 0.415 | 0.300 |
| 14 | 0.315 | 0.315 | 0.364 | 0.554 | 0.737 | 0.835 | 0.835 | 0.835 | 0.742 | 0.579 | 0.410 | 0.300 |
| 15 | 0.315 | 0.315 | 0.370 | 0.560 | 0.743 | 0.835 | 0.835 | 0.835 | 0.737 | 0.573 | 0.404 | 0.300 |
| 16 | 0.315 | 0.315 | 0.376 | 0.566 | 0.749 | 0.835 | 0.835 | 0.835 | 0.731 | 0.568 | 0.399 | 0.300 |
| 17 | 0.315 | 0.315 | 0.383 | 0.572 | 0.756 | 0.835 | 0.835 | 0.835 | 0.726 | 0.563 | 0.394 | 0.300 |
| 18 | 0.315 | 0.315 | 0.389 | 0.578 | 0.762 | 0.835 | 0.835 | 0.835 | 0.721 | 0.557 | 0.388 | 0.300 |
| 19 | 0.315 | 0.315 | 0.395 | 0.584 | 0.768 | 0.835 | 0.835 | 0.835 | 0.715 | 0.552 | 0.383 | 0.300 |
| 20 | 0.315 | 0.315 | 0.401 | 0.590 | 0.774 | 0.835 | 0.835 | 0.835 | 0.710 | 0.546 | 0.377 | 0.300 |
| 21 | 0.315 | 0.315 | 0.407 | 0.597 | 0.780 | 0.835 | 0.835 | 0.835 | 0.704 | 0.541 | 0.372 | 0.300 |
| 22 | 0.315 | 0.315 | 0.413 | 0.603 | 0.786 | 0.835 | 0.835 | 0.835 | 0.699 | 0.535 | 0.366 | 0.300 |
| 23 | 0.315 | 0.315 | 0.419 | 0.609 | 0.792 | 0.835 | 0.835 | 0.835 | 0.693 | 0.530 | 0.361 | 0.300 |
| 24 | 0.315 | 0.315 | 0.425 | 0.615 | 0.798 | 0.835 | 0.835 | 0.835 | 0.688 | 0.524 | 0.355 | 0.300 |
| 25 | 0.315 | 0.315 | 0.431 | 0.621 | 0.804 | 0.835 | 0.835 | 0.835 | 0.682 | 0.519 | 0.350 | 0.300 |
| 26 | 0.315 | 0.315 | 0.438 | 0.627 | 0.811 | 0.835 | 0.835 | 0.835 | 0.677 | 0.513 | 0.345 | 0.300 |
| 27 | 0.315 | 0.315 | 0.444 | 0.633 | 0.817 | 0.835 | 0.835 | 0.835 | 0.672 | 0.508 | 0.339 | 0.300 |
| 28 | 0.315 | 0.315 | 0.450 | 0.639 | 0.823 | 0.835 | 0.835 | 0.835 | 0.666 | 0.503 | 0.334 | 0.300 |
| 29 | 0.315 | | 0.456 | 0.645 | 0.829 | 0.835 | 0.835 | 0.830 | 0.661 | 0.497 | 0.328 | 0.300 |
| 30 | 0.315 | | 0.462 | 0.652 | 0.835 | 0.835 | 0.835 | 0.824 | 0.655 | 0.492 | 0.323 | 0.300 |
| 31 | 0.315 | | 0.468 | | 0.835 | | 0.835 | 0.819 | | 0.486 | | 0.300 |

SITE-SPECIFIC REFERENCE ET SHEET FOR THE MOHAVE VALLEY

1999 MOJAVE VALLEY REFERENCE ET USING THE STANDARD EQUATION (inches/day, 1 AZMET Station [Mohave])

(Note: field data taken from daily values noted in file lcraspmet.xls)

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL TOTAL |
|-------|------|------|------|------|-------|------|------|------|------|------|------|------|-----------------|
| 1 | 0.17 | 0.13 | 0.16 | 0.18 | 0.21 | 0.35 | 0.35 | 0.28 | 0.29 | 0.18 | 0.16 | 0.13 | |
| 2 | 0.18 | 0.19 | 0.16 | 0.15 | 0.32 | 0.35 | 0.39 | 0.20 | 0.25 | 0.20 | 0.10 | 0.13 | |
| 3 | 0.20 | 0.12 | 0.27 | 0.19 | 0.34 | 0.32 | 0.39 | 0.27 | 0.21 | 0.16 | 0.10 | 0.18 | |
| 4 | 0.15 | 0.09 | 0.20 | 0.13 | 0.27 | 0.24 | 0.33 | 0.26 | 0.20 | 0.15 | 0.08 | 0.18 | |
| 5 | 0.13 | 0.05 | 0.16 | 0.19 | 0.40 | 0.31 | 0.28 | 0.28 | 0.20 | 0.16 | 0.09 | 0.09 | |
| 6 | 0.08 | 0.07 | 0.21 | 0.21 | 0.32 | 0.36 | 0.26 | 0.33 | 0.20 | 0.23 | 0.15 | 0.09 | |
| 7 | 0.06 | 0.06 | 0.17 | 0.17 | 0.32 | 0.34 | 0.25 | 0.28 | 0.20 | 0.27 | 0.07 | 0.13 | |
| 8 | 0.17 | 0.08 | 0.14 | 0.19 | 0.38 | 0.32 | 0.17 | 0.27 | 0.20 | 0.25 | 0.09 | 0.17 | |
| 9 | 0.23 | 0.14 | 0.15 | 0.25 | 0.32 | 0.30 | 0.28 | 0.26 | 0.12 | 0.15 | 0.11 | 0.06 | |
| 10 | 0.17 | 0.16 | 0.13 | 0.23 | 0.29 | 0.30 | 0.27 | 0.25 | 0.20 | 0.15 | 0.08 | 0.13 | |
| 11 | 0.06 | 0.15 | 0.17 | 0.19 | 0.34 | 0.28 | 0.18 | 0.25 | 0.21 | 0.15 | 0.13 | 0.20 | |
| 12 | 0.12 | 0.20 | 0.21 | 0.20 | 0.37 | 0.29 | 0.14 | 0.24 | 0.25 | 0.16 | 0.15 | 0.14 | |
| 13 | 0.15 | 0.14 | 0.15 | 0.19 | 0.45 | 0.29 | 0.18 | 0.26 | 0.22 | 0.19 | 0.15 | 0.09 | |
| 14 | 0.23 | 0.14 | 0.14 | 0.36 | 0.39 | 0.36 | 0.25 | 0.25 | 0.22 | 0.14 | 0.11 | 0.19 | |
| 15 | 0.09 | 0.16 | 0.21 | 0.48 | 0.31 | 0.36 | 0.27 | 0.27 | 0.21 | 0.14 | 0.08 | 0.21 | |
| 16 | 0.07 | 0.10 | 0.14 | 0.39 | 0.38 | 0.37 | 0.31 | 0.23 | 0.21 | 0.32 | 0.06 | 0.15 | |
| 17 | 0.06 | 0.11 | 0.16 | 0.22 | 0.28 | 0.35 | 0.30 | 0.26 | 0.20 | 0.31 | 0.10 | 0.16 | |
| 18 | 0.09 | 0.14 | 0.15 | 0.24 | 0.32 | 0.35 | 0.28 | 0.28 | 0.26 | 0.14 | 0.17 | 0.07 | |
| 19 | 0.13 | 0.20 | 0.15 | 0.31 | 0.36 | 0.31 | 0.29 | 0.20 | 0.20 | 0.23 | 0.07 | 0.17 | |
| 20 | 0.17 | 0.26 | 0.26 | 0.31 | 0.35 | 0.31 | 0.29 | 0.22 | 0.20 | 0.21 | 0.09 | 0.18 | |
| 21 | 0.24 | 0.13 | 0.19 | 0.30 | 0.33 | 0.42 | 0.28 | 0.24 | 0.20 | 0.21 | 0.14 | 0.17 | |
| 22 | 0.13 | 0.24 | 0.17 | 0.36 | 0.35 | 0.31 | 0.28 | 0.29 | 0.09 | 0.15 | 0.17 | 0.24 | |
| 23 | 0.10 | 0.20 | 0.21 | 0.19 | 0.26 | 0.29 | 0.29 | 0.18 | 0.17 | 0.12 | 0.15 | 0.24 | |
| 24 | 0.08 | 0.13 | 0.19 | 0.08 | 0.22 | 0.31 | 0.30 | 0.26 | 0.17 | 0.11 | 0.19 | 0.18 | |
| 25 | 0.12 | 0.17 | 0.18 | 0.19 | 0.26 | 0.33 | 0.30 | 0.26 | 0.18 | 0.12 | 0.14 | 0.16 | |
| 26 | 0.09 | 0.19 | 0.28 | 0.27 | 0.29 | 0.33 | 0.28 | 0.24 | 0.18 | 0.10 | 0.08 | 0.11 | |
| 27 | 0.07 | 0.13 | 0.22 | 0.37 | 0.33 | 0.32 | 0.14 | 0.27 | 0.21 | 0.10 | 0.06 | 0.16 | |
| 28 | 0.16 | 0.14 | 0.18 | 0.33 | 0.36 | 0.33 | 0.19 | 0.25 | 0.40 | 0.15 | 0.06 | 0.11 | |
| 29 | 0.18 | | 0.22 | 0.10 | 0.44 | 0.33 | 0.19 | 0.24 | 0.35 | 0.26 | 0.10 | 0.06 | |
| 30 | 0.07 | | 0.28 | 0.10 | 0.38 | 0.32 | 0.27 | 0.25 | 0.17 | 0.26 | 0.06 | 0.07 | |
| 31 | 0.16 | | 0.26 | | 0.37 | | 0.27 | 0.27 | | 0.17 | | 0.06 | |
| TOTAL | 4.11 | 4.04 | 5.86 | 7.05 | 10.32 | 9.74 | 8.24 | 7.86 | 6.38 | 5.62 | 3.28 | 4.40 | 76.89 |

1999 REFERENCE ET AT THE MOHAVE AZMET STATION SITE USING THE STANDARD EQUATION (millimeters/day)

Page 2 of 2

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|---------|
| 1 | 4.30 | 3.40 | 4.10 | 4.60 | 5.30 | 8.80 | 9.00 | 7.00 | 7.40 | 4.50 | 4.10 | 3.30 | |
| 2 | 4.50 | 4.90 | 4.10 | 3.70 | 8.10 | 8.80 | 9.80 | 5.00 | 6.40 | 5.00 | 2.60 | 3.30 | |
| 3 | 5.10 | 3.10 | 6.80 | 4.90 | 8.60 | 8.10 | 9.90 | 6.80 | 5.40 | 4.00 | 2.50 | 4.50 | |
| 4 | 3.90 | 2.40 | 5.10 | 3.20 | 6.80 | 6.20 | 8.50 | 6.50 | 5.20 | 3.90 | 2.00 | 4.60 | |
| 5 | 3.40 | 1.30 | 4.00 | 4.80 | 10.20 | 7.80 | 7.10 | 7.00 | 5.20 | 4.00 | 2.20 | 2.30 | |
| 6 | 2.00 | 1.80 | 5.30 | 5.30 | 8.20 | 9.20 | 6.60 | 8.30 | 5.00 | 5.80 | 3.70 | 2.20 | |
| 7 | 1.40 | 1.60 | 4.30 | 4.30 | 8.10 | 8.60 | 6.40 | 7.00 | 5.00 | 6.90 | 1.90 | 3.30 | |
| 8 | 4.30 | 2.00 | 3.60 | 4.90 | 9.70 | 8.10 | 4.40 | 6.80 | 5.10 | 6.30 | 2.30 | 4.20 | |
| 9 | 5.90 | 3.50 | 3.90 | 6.30 | 8.10 | 7.60 | 7.00 | 6.70 | 3.00 | 3.80 | 2.90 | 1.40 | |
| 10 | 4.20 | 4.00 | 3.30 | 5.80 | 7.40 | 7.60 | 6.90 | 6.30 | 5.10 | 3.70 | 2.00 | 3.20 | |
| 11 | 1.60 | 3.80 | 4.20 | 4.80 | 8.70 | 7.20 | 4.60 | 6.40 | 5.30 | 3.70 | 3.20 | 5.10 | |
| 12 | 3.10 | 5.10 | 5.40 | 5.10 | 9.40 | 7.30 | 3.50 | 6.10 | 6.30 | 4.00 | 3.70 | 3.50 | |
| 13 | 3.80 | 3.60 | 3.90 | 4.80 | 11.40 | 7.40 | 4.60 | 6.60 | 5.50 | 4.70 | 3.70 | 2.40 | |
| 14 | 5.90 | 3.60 | 3.60 | 9.10 | 9.90 | 9.10 | 6.40 | 6.40 | 5.70 | 3.60 | 2.90 | 4.80 | |
| 15 | 2.30 | 4.00 | 5.30 | 12.30 | 7.90 | 9.20 | 6.90 | 6.80 | 5.30 | 3.60 | 2.00 | 5.40 | |
| 16 | 1.80 | 2.60 | 3.50 | 9.90 | 9.60 | 9.30 | 8.00 | 5.90 | 5.40 | 8.10 | 1.60 | 3.90 | |
| 17 | 1.50 | 2.80 | 4.00 | 5.70 | 7.20 | 8.80 | 7.50 | 6.50 | 5.00 | 7.90 | 2.60 | 4.00 | |
| 18 | 2.30 | 3.50 | 3.80 | 6.00 | 8.20 | 8.80 | 7.00 | 7.00 | 6.70 | 3.60 | 4.30 | 1.90 | |
| 19 | 3.20 | 5.20 | 3.80 | 7.90 | 9.20 | 7.90 | 7.30 | 5.10 | 5.10 | 5.90 | 1.90 | 4.30 | |
| 20 | 4.40 | 6.60 | 6.70 | 7.80 | 8.90 | 8.00 | 7.30 | 5.60 | 5.10 | 5.30 | 2.30 | 4.60 | |
| 21 | 6.10 | 3.20 | 4.70 | 7.50 | 8.30 | 10.60 | 7.00 | 6.10 | 5.20 | 5.30 | 3.60 | 4.20 | |
| 22 | 3.30 | 6.20 | 4.20 | 9.20 | 9.00 | 7.90 | 7.00 | 7.30 | 2.30 | 3.90 | 4.20 | 6.10 | |
| 23 | 2.60 | 5.00 | 5.40 | 4.70 | 6.50 | 7.30 | 7.30 | 4.60 | 4.20 | 3.10 | 3.80 | 6.20 | |
| 24 | 2.00 | 3.20 | 4.70 | 2.10 | 5.70 | 7.80 | 7.60 | 6.50 | 4.40 | 2.70 | 4.80 | 4.50 | |
| 25 | 3.00 | 4.20 | 4.50 | 4.70 | 6.70 | 8.50 | 7.60 | 6.70 | 4.50 | 3.00 | 3.60 | 4.00 | |
| 26 | 2.20 | 4.90 | 7.00 | 6.90 | 7.30 | 8.40 | 7.10 | 6.10 | 4.60 | 2.60 | 2.00 | 2.80 | |
| 27 | 1.80 | 3.40 | 5.60 | 9.40 | 8.40 | 8.10 | 3.60 | 6.90 | 5.30 | 2.50 | 1.40 | 4.10 | |
| 28 | 4.00 | 3.60 | 4.50 | 8.40 | 9.10 | 8.30 | 4.80 | 6.40 | 10.10 | 3.90 | 1.50 | 2.80 | |
| 29 | 4.60 | | 5.60 | 2.50 | 11.20 | 8.50 | 4.70 | 6.00 | 8.90 | 6.60 | 2.50 | 1.50 | |
| 30 | 1.80 | | 7.20 | 2.50 | 9.70 | 8.20 | 6.90 | 6.40 | 4.40 | 6.60 | 1.50 | 1.70 | |
| 31 | 4.00 | | 6.70 | | 9.40 | | 6.90 | 6.80 | | 4.30 | | 1.60 | |
| TOTAL | 104.30 | 102.50 | 148.80 | 179.10 | 262.20 | 247.40 | 209.20 | 199.60 | 162.10 | 142.80 | 83.30 | 111.70 | 1953.00 |

MOHAVE VALLEY AVERAGE PRECIPITATION SHEET

Page 1 of 12

| | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|--------------|-----------------------|--------------|-------------------|
| Annual Total | 1.99 | 2.19 | 1.79 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|------|-----------------------|--------------|-------------------|
| 1/1 | 0 | 0 | 0 |
| 1/2 | 0 | 0 | 0 |
| 1/3 | 0 | 0 | 0 |
| 1/4 | 0 | 0 | 0 |
| 1/5 | 0 | 0 | 0 |
| 1/6 | 0 | 0 | 0 |
| 1/7 | 0 | 0 | 0 |
| 1/8 | 0 | 0 | 0 |
| 1/9 | 0 | 0 | 0 |
| 1/10 | 0 | 0 | 0 |
| 1/11 | 0 | 0 | 0 |
| 1/12 | 0 | 0 | 0 |
| 1/13 | 0 | 0 | 0 |
| 1/14 | 0 | 0 | 0 |
| 1/15 | 0 | 0 | 0 |
| 1/16 | 0 | 0 | 0 |
| 1/17 | 0 | 0 | 0 |
| 1/18 | 0 | 0 | 0 |
| 1/19 | 0 | 0 | 0 |
| 1/20 | 0 | 0 | 0 |
| 1/21 | 0 | 0 | 0 |
| 1/22 | 0 | 0 | 0 |
| 1/23 | 0 | 0 | 0 |
| 1/24 | 0 | 0 | 0 |
| 1/25 | 0.0150 | 0.0299 | 0 |
| 1/26 | 0.1500 | 0.0500 | 0.2500 |
| 1/27 | 0 | 0 | 0 |
| 1/28 | 0 | 0 | 0 |
| 1/29 | 0 | 0 | 0 |
| 1/30 | 0 | 0 | 0 |
| 1/31 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 2 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|------|-----------------------|--------------|-------------------|
| 2/ 1 | 0 | 0 | 0 |
| 2/ 2 | 0 | 0 | 0 |
| 2/ 3 | 0 | 0 | 0 |
| 2/ 4 | 0.1400 | 0.2799 | 0 |
| 2/ 5 | 0.1950 | 0.0500 | 0.3400 |
| 2/ 6 | 0 | 0 | 0 |
| 2/ 7 | 0 | 0 | 0 |
| 2/ 8 | 0 | 0 | 0 |
| 2/ 9 | 0 | 0 | 0 |
| 2/10 | 0 | 0 | 0 |
| 2/11 | 0 | 0 | 0 |
| 2/12 | 0 | 0 | 0 |
| 2/13 | 0 | 0 | 0 |
| 2/14 | 0 | 0 | 0 |
| 2/15 | 0 | 0 | 0 |
| 2/16 | 0 | 0 | 0 |
| 2/17 | 0 | 0 | 0 |
| 2/18 | 0 | 0 | 0 |
| 2/19 | 0 | 0 | 0 |
| 2/20 | 0 | 0 | 0 |
| 2/21 | 0 | 0 | 0 |
| 2/22 | 0 | 0 | 0 |
| 2/23 | 0 | 0 | 0 |
| 2/24 | 0 | 0 | 0 |
| 2/25 | 0 | 0 | 0 |
| 2/26 | 0 | 0 | 0 |
| 2/27 | 0 | 0 | 0 |
| 2/28 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 3 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|------|-----------------------|--------------|-------------------|
| 3/ 1 | 0 | 0 | 0 |
| 3/ 2 | 0 | 0 | 0 |
| 3/ 3 | 0 | 0 | 0 |
| 3/ 4 | 0 | 0 | 0 |
| 3/ 5 | 0 | 0 | 0 |
| 3/ 6 | 0 | 0 | 0 |
| 3/ 7 | 0 | 0 | 0 |
| 3/ 8 | 0 | 0 | 0 |
| 3/ 9 | 0 | 0 | 0 |
| 3/10 | 0 | 0 | 0 |
| 3/11 | 0 | 0 | 0 |
| 3/12 | 0 | 0 | 0 |
| 3/13 | 0 | 0 | 0 |
| 3/14 | 0 | 0 | 0 |
| 3/15 | 0 | 0 | 0 |
| 3/16 | 0 | 0 | 0 |
| 3/17 | 0 | 0 | 0 |
| 3/18 | 0 | 0 | 0 |
| 3/19 | 0 | 0 | 0 |
| 3/20 | 0 | 0 | 0 |
| 3/21 | 0 | 0 | 0 |
| 3/22 | 0 | 0 | 0 |
| 3/23 | 0 | 0 | 0 |
| 3/24 | 0 | 0 | 0 |
| 3/25 | 0 | 0 | 0 |
| 3/26 | 0 | 0 | 0 |
| 3/27 | 0 | 0 | 0 |
| 3/28 | 0 | 0 | 0 |
| 3/29 | 0 | 0 | 0 |
| 3/30 | 0 | 0 | 0 |
| 3/31 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 4 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|------|-----------------------|--------------|-------------------|
| 4/ 1 | 0 | 0 | 0 |
| 4/ 2 | 0 | 0 | 0 |
| 4/ 3 | 0 | 0 | 0 |
| 4/ 4 | 0.1400 | 0.0299 | 0.2500 |
| 4/ 5 | 0 | 0 | 0 |
| 4/ 6 | 0 | 0 | 0 |
| 4/ 7 | 0 | 0 | 0 |
| 4/ 8 | 0 | 0 | 0 |
| 4/ 9 | 0 | 0 | 0 |
| 4/10 | 0 | 0 | 0 |
| 4/11 | 0 | 0 | 0 |
| 4/12 | 0.0049 | 0.0098 | 0 |
| 4/13 | 0 | 0 | 0 |
| 4/14 | 0 | 0 | 0 |
| 4/15 | 0 | 0 | 0 |
| 4/16 | 0 | 0 | 0 |
| 4/17 | 0 | 0 | 0 |
| 4/18 | 0 | 0 | 0 |
| 4/19 | 0 | 0 | 0 |
| 4/20 | 0 | 0 | 0 |
| 4/21 | 0 | 0 | 0 |
| 4/22 | 0 | 0 | 0 |
| 4/23 | 0.0150 | 0.0299 | 0 |
| 4/24 | 0.1150 | 0.2299 | 0 |
| 4/25 | 0.0600 | 0 | 0.1200 |
| 4/26 | 0 | 0 | 0 |
| 4/27 | 0 | 0 | 0 |
| 4/28 | 0 | 0 | 0 |
| 4/29 | 0.0400 | 0.0799 | 0 |
| 4/30 | 0.0850 | 0.0201 | 0.1500 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 5 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|------|-----------------------|--------------|-------------------|
| 5/ 1 | 0 | 0 | 0 |
| 5/ 2 | 0 | 0 | 0 |
| 5/ 3 | 0 | 0 | 0 |
| 5/ 4 | 0 | 0 | 0 |
| 5/ 5 | 0 | 0 | 0 |
| 5/ 6 | 0 | 0 | 0 |
| 5/ 7 | 0 | 0 | 0 |
| 5/ 8 | 0 | 0 | 0 |
| 5/ 9 | 0 | 0 | 0 |
| 5/10 | 0 | 0 | 0 |
| 5/11 | 0 | 0 | 0 |
| 5/12 | 0 | 0 | 0 |
| 5/13 | 0 | 0 | 0 |
| 5/14 | 0 | 0 | 0 |
| 5/15 | 0 | 0 | 0 |
| 5/16 | 0 | 0 | 0 |
| 5/17 | 0 | 0 | 0 |
| 5/18 | 0 | 0 | 0 |
| 5/19 | 0 | 0 | 0 |
| 5/20 | 0 | 0 | 0 |
| 5/21 | 0 | 0 | 0 |
| 5/22 | 0 | 0 | 0 |
| 5/23 | 0 | 0 | 0 |
| 5/24 | 0.0350 | 0.0701 | 0 |
| 5/25 | 0 | 0 | 0 |
| 5/26 | 0 | 0 | 0 |
| 5/27 | 0 | 0 | 0 |
| 5/28 | 0 | 0 | 0 |
| 5/29 | 0 | 0 | 0 |
| 5/30 | 0 | 0 | 0 |
| 5/31 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 6 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|------|-----------------------|--------------|-------------------|
| 6/ 1 | 0 | 0 | 0 |
| 6/ 2 | 0.0799 | 0.0098 | 0.1500 |
| 6/ 3 | 0 | 0 | 0 |
| 6/ 4 | 0.0150 | 0.0299 | 0 |
| 6/ 5 | 0 | 0 | 0 |
| 6/ 6 | 0 | 0 | 0 |
| 6/ 7 | 0 | 0 | 0 |
| 6/ 8 | 0 | 0 | 0 |
| 6/ 9 | 0 | 0 | 0 |
| 6/10 | 0 | 0 | 0 |
| 6/11 | 0 | 0 | 0 |
| 6/12 | 0 | 0 | 0 |
| 6/13 | 0 | 0 | 0 |
| 6/14 | 0 | 0 | 0 |
| 6/15 | 0 | 0 | 0 |
| 6/16 | 0 | 0 | 0 |
| 6/17 | 0 | 0 | 0 |
| 6/18 | 0 | 0 | 0 |
| 6/19 | 0 | 0 | 0 |
| 6/20 | 0 | 0 | 0 |
| 6/21 | 0 | 0 | 0 |
| 6/22 | 0 | 0 | 0 |
| 6/23 | 0 | 0 | 0 |
| 6/24 | 0 | 0 | 0 |
| 6/25 | 0 | 0 | 0 |
| 6/26 | 0 | 0 | 0 |
| 6/27 | 0 | 0 | 0 |
| 6/28 | 0 | 0 | 0 |
| 6/29 | 0 | 0 | 0 |
| 6/30 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 7 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|------|-----------------------|--------------|-------------------|
| 7/1 | 0 | 0 | 0 |
| 7/2 | 0 | 0 | 0 |
| 7/3 | 0 | 0 | 0 |
| 7/4 | 0 | 0 | 0 |
| 7/5 | 0 | 0 | 0 |
| 7/6 | 0 | 0 | 0 |
| 7/7 | 0.0549 | 0.0098 | 0.1000 |
| 7/8 | 0.0250 | 0.0500 | 0 |
| 7/9 | 0 | 0 | 0 |
| 7/10 | 0 | 0 | 0 |
| 7/11 | 0 | 0 | 0 |
| 7/12 | 0.2900 | 0.5799 | 0 |
| 7/13 | 0.0350 | 0.0701 | 0 |
| 7/14 | 0.0049 | 0.0098 | 0 |
| 7/15 | 0 | 0 | 0 |
| 7/16 | 0 | 0 | 0 |
| 7/17 | 0 | 0 | 0 |
| 7/18 | 0 | 0 | 0 |
| 7/19 | 0 | 0 | 0 |
| 7/20 | 0 | 0 | 0 |
| 7/21 | 0 | 0 | 0 |
| 7/22 | 0 | 0 | 0 |
| 7/23 | 0 | 0 | 0 |
| 7/24 | 0 | 0 | 0 |
| 7/25 | 0 | 0 | 0 |
| 7/26 | 0 | 0 | 0 |
| 7/27 | 0 | 0 | 0 |
| 7/28 | 0 | 0 | 0 |
| 7/29 | 0 | 0 | 0 |
| 7/30 | 0 | 0 | 0 |
| 7/31 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 8 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|------|-----------------------|--------------|-------------------|
| 8/ 1 | 0 | 0 | 0 |
| 8/ 2 | 0 | 0 | 0 |
| 8/ 3 | 0 | 0 | 0 |
| 8/ 4 | 0 | 0 | 0 |
| 8/ 5 | 0 | 0 | 0 |
| 8/ 6 | 0 | 0 | 0 |
| 8/ 7 | 0 | 0 | 0 |
| 8/ 8 | 0 | 0 | 0 |
| 8/ 9 | 0 | 0 | 0 |
| 8/10 | 0 | 0 | 0 |
| 8/11 | 0 | 0 | 0 |
| 8/12 | 0 | 0 | 0 |
| 8/13 | 0 | 0 | 0 |
| 8/14 | 0 | 0 | 0 |
| 8/15 | 0 | 0 | 0 |
| 8/16 | 0 | 0 | 0 |
| 8/17 | 0 | 0 | 0 |
| 8/18 | 0 | 0 | 0 |
| 8/19 | 0 | 0 | 0 |
| 8/20 | 0 | 0 | 0 |
| 8/21 | 0 | 0 | 0 |
| 8/22 | 0 | 0 | 0 |
| 8/23 | 0 | 0 | 0 |
| 8/24 | 0 | 0 | 0 |
| 8/25 | 0 | 0 | 0 |
| 8/26 | 0 | 0 | 0 |
| 8/27 | 0 | 0 | 0 |
| 8/28 | 0 | 0 | 0 |
| 8/29 | 0 | 0 | 0 |
| 8/30 | 0 | 0 | 0 |
| 8/31 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 9 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|------|-----------------------|--------------|-------------------|
| 9/ 1 | 0 | 0 | 0 |
| 9/ 2 | 0 | 0 | 0 |
| 9/ 3 | 0 | 0 | 0 |
| 9/ 4 | 0 | 0 | 0 |
| 9/ 5 | 0 | 0 | 0 |
| 9/ 6 | 0 | 0 | 0 |
| 9/ 7 | 0 | 0 | 0 |
| 9/ 8 | 0 | 0 | 0 |
| 9/ 9 | 0 | 0 | 0 |
| 9/10 | 0 | 0 | 0 |
| 9/11 | 0 | 0 | 0 |
| 9/12 | 0 | 0 | 0 |
| 9/13 | 0.0299 | 0.0598 | 0 |
| 9/14 | 0 | 0 | 0 |
| 9/15 | 0 | 0 | 0 |
| 9/16 | 0.0750 | 0.1500 | 0 |
| 9/17 | 0.0049 | 0.0098 | 0 |
| 9/18 | 0 | 0 | 0 |
| 9/19 | 0 | 0 | 0 |
| 9/20 | 0 | 0 | 0 |
| 9/21 | 0 | 0 | 0 |
| 9/22 | 0.3800 | 0.3299 | 0.4300 |
| 9/23 | 0 | 0 | 0 |
| 9/24 | 0 | 0 | 0 |
| 9/25 | 0 | 0 | 0 |
| 9/26 | 0 | 0 | 0 |
| 9/27 | 0 | 0 | 0 |
| 9/28 | 0 | 0 | 0 |
| 9/29 | 0 | 0 | 0 |
| 9/30 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 10 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|-------|-----------------------|--------------|-------------------|
| 10/ 1 | 0 | 0 | 0 |
| 10/ 2 | 0 | 0 | 0 |
| 10/ 3 | 0 | 0 | 0 |
| 10/ 4 | 0 | 0 | 0 |
| 10/ 5 | 0 | 0 | 0 |
| 10/ 6 | 0 | 0 | 0 |
| 10/ 7 | 0 | 0 | 0 |
| 10/ 8 | 0 | 0 | 0 |
| 10/ 9 | 0 | 0 | 0 |
| 10/10 | 0 | 0 | 0 |
| 10/11 | 0 | 0 | 0 |
| 10/12 | 0 | 0 | 0 |
| 10/13 | 0 | 0 | 0 |
| 10/14 | 0 | 0 | 0 |
| 10/15 | 0 | 0 | 0 |
| 10/16 | 0 | 0 | 0 |
| 10/17 | 0 | 0 | 0 |
| 10/18 | 0 | 0 | 0 |
| 10/19 | 0 | 0 | 0 |
| 10/20 | 0 | 0 | 0 |
| 10/21 | 0 | 0 | 0 |
| 10/22 | 0 | 0 | 0 |
| 10/23 | 0 | 0 | 0 |
| 10/24 | 0 | 0 | 0 |
| 10/25 | 0 | 0 | 0 |
| 10/26 | 0 | 0 | 0 |
| 10/27 | 0 | 0 | 0 |
| 10/28 | 0 | 0 | 0 |
| 10/29 | 0 | 0 | 0 |
| 10/30 | 0 | 0 | 0 |
| 10/31 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 11 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|-------|-----------------------|--------------|-------------------|
| 11/ 1 | 0 | 0 | 0 |
| 11/ 2 | 0 | 0 | 0 |
| 11/ 3 | 0 | 0 | 0 |
| 11/ 4 | 0 | 0 | 0 |
| 11/ 5 | 0 | 0 | 0 |
| 11/ 6 | 0 | 0 | 0 |
| 11/ 7 | 0 | 0 | 0 |
| 11/ 8 | 0 | 0 | 0 |
| 11/ 9 | 0 | 0 | 0 |
| 11/10 | 0 | 0 | 0 |
| 11/11 | 0 | 0 | 0 |
| 11/12 | 0 | 0 | 0 |
| 11/13 | 0 | 0 | 0 |
| 11/14 | 0 | 0 | 0 |
| 11/15 | 0 | 0 | 0 |
| 11/16 | 0 | 0 | 0 |
| 11/17 | 0 | 0 | 0 |
| 11/18 | 0 | 0 | 0 |
| 11/19 | 0 | 0 | 0 |
| 11/20 | 0 | 0 | 0 |
| 11/21 | 0 | 0 | 0 |
| 11/22 | 0 | 0 | 0 |
| 11/23 | 0 | 0 | 0 |
| 11/24 | 0 | 0 | 0 |
| 11/25 | 0 | 0 | 0 |
| 11/26 | 0 | 0 | 0 |
| 11/27 | 0 | 0 | 0 |
| 11/28 | 0 | 0 | 0 |
| 11/29 | 0 | 0 | 0 |
| 11/30 | 0 | 0 | 0 |

1999 - MOHAVE VALLEY AVERAGE DAILY PRECIPITATION (inches)

Page 12 of 12

| Date | Average Daily Precip. | Mohave AZMET | Bullhead City NWS |
|--------|-----------------------|--------------|-------------------|
| 12/ 1 | 0 | 0 | 0 |
| 12/ 2 | 0 | 0 | 0 |
| 12/ 3 | 0 | 0 | 0 |
| 12/ 4 | 0 | 0 | 0 |
| 12/ 5 | 0 | 0 | 0 |
| 12/ 6 | 0 | 0 | 0 |
| 12/ 7 | 0 | 0 | 0 |
| 12/ 8 | 0 | 0 | 0 |
| 12/ 9 | 0 | 0 | 0 |
| 12/10 | 0 | 0 | 0 |
| 12/11 | 0 | 0 | 0 |
| 12/12 | 0 | 0 | 0 |
| 12/13 | 0 | 0 | 0 |
| 12/14 | 0 | 0 | 0 |
| 12/15 | 0 | 0 | 0 |
| 12/16 | 0 | 0 | 0 |
| 12/17 | 0 | 0 | 0 |
| 12/18 | 0 | 0 | 0 |
| 12/19 | 0 | 0 | 0 |
| 12/20 | 0 | 0 | 0 |
| 12/21 | 0 | 0 | 0 |
| 12/22 | 0 | 0 | 0 |
| 12/23 | 0 | 0 | 0 |
| 12/24 | 0 | 0 | 0 |
| 12/25 | 0 | 0 | 0 |
| 12/26 | 0 | 0 | 0 |
| 12/27 | 0 | 0 | 0 |
| 12/28 | 0 | 0 | 0 |
| 12/29 | 0 | 0 | 0 |
| 12/30 | 0 | 0 | 0 |
| 12/31 | 0 | 0 | 0 |
| Totals | 1.99 | 2.19 | 1.79 |

Parker/Palo Verde

ET-Rate Table

ET calculations for Sheet A
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station 1999 ET SUMMARY SHEET
(Sheet has ET numbers for each crop)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Reference ET, inches | 3.23 | 3.47 | 5.80 | 6.35 | 9.13 | 9.91 | 9.28 | 9.06 | 7.30 | 6.09 | 3.35 | 3.30 | 76.25 |
| Precipitation, inches (from data file pvcrrain.wk4) | 0.02 | 0.47 | 0.00 | 0.93 | 0.01 | 0.02 | 0.56 | 0.17 | 0.74 | 0.00 | 0.00 | 0.00 | 2.92 |
| Monthly ET, inches | | | | | | | | | | | | | |
| Crop | | | | | | | | | | | | | |
| Alfalfa- perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa- annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa- seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce- early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce- late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons- spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons- fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus- young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus- mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus- declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

ET calculations for Sheet B 1999 PRECIPITATION
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(This sheet calculates the total monthly precipitation from averaged daily values from 2 CIMIS, 1 AZMET, and 3 NWS Weather Stations)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Precipitation, inches (from data file pvcrrain.wk4) | 0.02 | 0.47 | 0.00 | 0.93 | 0.01 | 0.02 | 0.56 | 0.17 | 0.74 | 0.00 | 0.00 | 0.00 | 2.92 |
| Date | | | | | | | | | | | | | |
| 1 | 0 | 0 | 0 | 0.107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 0 | 0 | 0 | 0.206 | 0 | 0.014 | 0 | 0.007 | 0 | 0 | 0 | 0 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4 | 0 | 0.163 | 0 | 0.003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5 | 0 | 0.205 | 0 | 0 | 0 | 0 | 0 | 0.013 | 0 | 0 | 0 | 0 | |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0.095 | 0 | 0 | 0 | 0 | 0 | |
| 8 | 0 | 0 | 0 | 0 | 0 | 0.005 | 0.035 | 0 | 0 | 0 | 0 | 0 | |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 10 | 0 | 0 | 0 | 0 | 0.008 | 0 | 0 | 0 | 0.024 | 0 | 0 | 0 | |
| 11 | 0 | 0 | 0 | 0.125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 12 | 0 | 0 | 0 | 0.234 | 0 | 0 | 0.097 | 0 | 0 | 0 | 0 | 0 | |
| 13 | 0 | 0 | 0 | 0.215 | 0 | 0 | 0.187 | 0 | 0 | 0 | 0 | 0 | |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0.009 | 0 | 0 | 0 | 0 | 0 | |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 16 | 0 | 0 | 0 | 0.010 | 0 | 0 | 0.007 | 0 | 0.257 | 0 | 0 | 0 | |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.003 | 0 | 0 | 0 | |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.003 | 0 | 0 | 0 | 0 | |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.008 | 0.050 | 0 | 0 | 0 | |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.003 | 0 | 0 | 0 | |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.030 | 0 | 0 | 0 | |
| 23 | 0 | 0.105 | 0 | 0.005 | 0 | 0 | 0 | 0 | 0.376 | 0 | 0 | 0 | |
| 24 | 0 | 0 | 0 | 0.022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 25 | 0.020 | 0 | 0 | 0.003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 26 | 0.005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.104 | 0 | 0 | 0 | 0 | |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0.056 | 0.031 | 0 | 0 | 0 | 0 | |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0.073 | 0 | 0 | 0 | 0 | 0 | |
| 30 | 0 | 0 | 0 | 0.002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

* - Estimated value

ET calculations for Sheet C 1999 EFFECTIVE PRECIPITATION
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(Sheet to calculate effective precipitation)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Effective Precipitation, inches | 0.01 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| Coefficient for Effective Precipitation (from Jensen, 1995) | 0.4 | 0.4 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | |
| Effective Precipitation (Precipitation X Effective Precip. coefficient.), inches | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

ET calculations for Sheet D 1999 REFERENCE ET
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(Sheet to store reference ET numbers from 99CRITPVIDEto.wk4. Average reference ET using the standard equation and data collected by 3 CIMIS and 1 AZMET Stations)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|-----------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Reference ET (inches) | 3.23 | 3.47 | 5.80 | 6.35 | 9.13 | 9.91 | 9.28 | 9.06 | 7.30 | 6.09 | 3.35 | 3.30 | 76.25 |
| Date | | | | | | | | | | | | | |
| 1 | 0.15 | 0.11 | 0.17 | 0.13 | 0.20 | 0.28 | 0.42 | 0.34 | 0.30 | 0.21 | 0.11 | 0.12 | |
| 2 | 0.12 | 0.12 | 0.17 | 0.18 | 0.32 | 0.31 | 0.42 | 0.29 | 0.30 | 0.23 | 0.13 | 0.10 | |
| 3 | 0.12 | 0.10 | 0.21 | 0.19 | 0.26 | 0.30 | 0.41 | 0.31 | 0.26 | 0.19 | 0.13 | 0.18 | |
| 4 | 0.09 | 0.06 | 0.16 | 0.16 | 0.25 | 0.29 | 0.37 | 0.34 | 0.26 | 0.20 | 0.12 | 0.11 | |
| 5 | 0.09 | 0.05 | 0.14 | 0.18 | 0.27 | 0.26 | 0.33 | 0.34 | 0.28 | 0.22 | 0.12 | 0.08 | |
| 6 | 0.09 | 0.07 | 0.18 | 0.20 | 0.27 | 0.33 | 0.36 | 0.33 | 0.26 | 0.28 | 0.11 | 0.08 | |
| 7 | 0.10 | 0.08 | 0.16 | 0.19 | 0.30 | 0.39 | 0.19 | 0.33 | 0.26 | 0.26 | 0.11 | 0.11 | |
| 8 | 0.14 | 0.09 | 0.14 | 0.19 | 0.37 | 0.36 | 0.15 | 0.31 | 0.28 | 0.19 | 0.10 | 0.16 | |
| 9 | 0.10 | 0.13 | 0.17 | 0.21 | 0.30 | 0.33 | 0.27 | 0.32 | 0.19 | 0.20 | 0.11 | 0.06 | |
| 10 | 0.08 | 0.17 | 0.16 | 0.19 | 0.25 | 0.31 | 0.32 | 0.33 | 0.26 | 0.21 | 0.11 | 0.09 | |
| 11 | 0.08 | 0.13 | 0.18 | 0.21 | 0.27 | 0.29 | 0.29 | 0.29 | 0.28 | 0.20 | 0.11 | 0.19 | |
| 12 | 0.10 | 0.14 | 0.21 | 0.12 | 0.32 | 0.30 | 0.20 | 0.27 | 0.26 | 0.21 | 0.13 | 0.08 | |
| 13 | 0.10 | 0.13 | 0.16 | 0.15 | 0.36 | 0.30 | 0.20 | 0.31 | 0.27 | 0.19 | 0.13 | 0.10 | |
| 14 | 0.11 | 0.14 | 0.18 | 0.23 | 0.31 | 0.31 | 0.26 | 0.31 | 0.28 | 0.20 | 0.12 | 0.12 | |
| 15 | 0.09 | 0.14 | 0.20 | 0.25 | 0.28 | 0.35 | 0.31 | 0.31 | 0.28 | 0.19 | 0.11 | 0.09 | |
| 16 | 0.09 | 0.10 | 0.16 | 0.22 | 0.27 | 0.34 | 0.28 | 0.27 | 0.29 | 0.31 | 0.11 | 0.08 | |
| 17 | 0.08 | 0.11 | 0.16 | 0.23 | 0.26 | 0.33 | 0.34 | 0.30 | 0.25 | 0.28 | 0.13 | 0.09 | |
| 18 | 0.09 | 0.10 | 0.16 | 0.23 | 0.29 | 0.31 | 0.28 | 0.26 | 0.25 | 0.16 | 0.10 | 0.07 | |
| 19 | 0.09 | 0.14 | 0.17 | 0.26 | 0.30 | 0.31 | 0.32 | 0.23 | 0.26 | 0.18 | 0.09 | 0.16 | |
| 20 | 0.14 | 0.14 | 0.24 | 0.28 | 0.30 | 0.32 | 0.33 | 0.27 | 0.23 | 0.19 | 0.09 | 0.14 | |
| 21 | 0.16 | 0.13 | 0.19 | 0.29 | 0.31 | 0.37 | 0.32 | 0.28 | 0.15 | 0.17 | 0.16 | 0.12 | |
| 22 | 0.10 | 0.20 | 0.18 | 0.28 | 0.26 | 0.32 | 0.32 | 0.29 | 0.14 | 0.17 | 0.18 | 0.16 | |
| 23 | 0.10 | 0.14 | 0.20 | 0.21 | 0.25 | 0.34 | 0.36 | 0.22 | 0.15 | 0.17 | 0.10 | 0.12 | |
| 24 | 0.08 | 0.13 | 0.19 | 0.18 | 0.24 | 0.37 | 0.36 | 0.27 | 0.20 | 0.15 | 0.12 | 0.11 | |
| 25 | 0.10 | 0.18 | 0.16 | 0.20 | 0.26 | 0.37 | 0.34 | 0.28 | 0.20 | 0.16 | 0.09 | 0.09 | |
| 26 | 0.12 | 0.16 | 0.20 | 0.27 | 0.30 | 0.37 | 0.32 | 0.29 | 0.22 | 0.15 | 0.09 | 0.10 | |
| 27 | 0.08 | 0.13 | 0.20 | 0.32 | 0.31 | 0.34 | 0.20 | 0.31 | 0.25 | 0.14 | 0.08 | 0.08 | |
| 28 | 0.14 | 0.15 | 0.20 | 0.30 | 0.34 | 0.36 | 0.19 | 0.26 | 0.27 | 0.15 | 0.10 | 0.07 | |
| 29 | 0.10 | | 0.21 | 0.18 | 0.40 | 0.36 | 0.21 | 0.24 | 0.23 | 0.25 | 0.08 | 0.07 | |
| 30 | 0.10 | | 0.33 | 0.12 | 0.37 | 0.39 | 0.30 | 0.28 | 0.21 | 0.16 | 0.08 | 0.07 | |
| 31 | 0.13 | | 0.26 | | 0.36 | | 0.33 | 0.30 | | 0.15 | | 0.10 | |

* - Estimated value

ET calculations for Sheet E: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Alfalfa-1a perennial)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa- perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.09 | 0.07 | 0.18 | 0.10 | 0.11 | 0.13 | 0.14 | 0.35 | 0.31 | 0.21 | 0.08 | 0.12 | |
| 2 | 0.08 | 0.08 | 0.18 | 0.15 | 0.18 | 0.16 | 0.14 | 0.29 | 0.31 | 0.23 | 0.10 | 0.10 | |
| 3 | 0.08 | 0.07 | 0.21 | 0.16 | 0.15 | 0.17 | 0.14 | 0.32 | 0.27 | 0.19 | 0.10 | 0.18 | |
| 4 | 0.06 | -0.02 | 0.17 | 0.14 | 0.15 | 0.17 | 0.13 | 0.34 | 0.26 | 0.20 | 0.10 | 0.11 | |
| 5 | 0.06 | -0.04 | 0.15 | 0.17 | 0.18 | 0.17 | 0.13 | 0.12 | 0.29 | 0.23 | 0.11 | 0.08 | |
| 6 | 0.07 | 0.05 | 0.18 | 0.19 | 0.18 | 0.22 | 0.15 | 0.11 | 0.27 | 0.28 | 0.10 | 0.08 | |
| 7 | 0.08 | 0.07 | 0.16 | 0.19 | 0.21 | 0.28 | 0.09 | 0.11 | 0.27 | 0.27 | 0.10 | 0.11 | |
| 8 | 0.12 | 0.07 | 0.14 | 0.19 | 0.28 | 0.28 | 0.08 | 0.11 | 0.29 | 0.20 | 0.09 | 0.16 | |
| 9 | 0.09 | 0.11 | 0.18 | 0.21 | 0.23 | 0.26 | 0.15 | 0.12 | 0.19 | 0.21 | 0.11 | 0.07 | |
| 10 | 0.07 | 0.15 | 0.16 | 0.19 | 0.20 | 0.26 | 0.20 | 0.14 | 0.09 | 0.21 | 0.11 | 0.09 | |
| 11 | 0.08 | 0.12 | 0.18 | 0.21 | 0.22 | 0.26 | 0.19 | 0.14 | 0.09 | 0.20 | 0.12 | 0.20 | |
| 12 | 0.10 | 0.14 | 0.22 | 0.13 | 0.28 | 0.28 | 0.14 | 0.14 | 0.09 | 0.21 | 0.14 | 0.08 | |
| 13 | 0.10 | 0.13 | 0.16 | 0.16 | 0.31 | 0.29 | 0.15 | 0.17 | 0.09 | 0.19 | 0.13 | 0.10 | |
| 14 | 0.11 | 0.14 | 0.18 | 0.23 | 0.28 | 0.32 | 0.21 | 0.19 | 0.11 | 0.20 | 0.12 | 0.12 | |
| 15 | 0.03 | 0.14 | 0.20 | 0.26 | 0.26 | 0.35 | 0.26 | 0.20 | 0.12 | 0.19 | 0.11 | 0.09 | |
| 16 | 0.03 | 0.10 | 0.05 | 0.23 | 0.26 | 0.34 | 0.25 | 0.19 | 0.14 | 0.11 | 0.11 | 0.08 | |
| 17 | 0.03 | 0.11 | 0.06 | 0.23 | 0.26 | 0.34 | 0.32 | 0.22 | 0.13 | 0.10 | 0.13 | 0.09 | |
| 18 | 0.03 | 0.10 | 0.05 | 0.24 | 0.30 | 0.32 | 0.27 | 0.21 | 0.14 | 0.05 | 0.10 | 0.03 | |
| 19 | 0.03 | 0.14 | 0.06 | 0.26 | 0.31 | 0.32 | 0.33 | 0.19 | 0.16 | 0.06 | 0.10 | 0.05 | |
| 20 | 0.05 | 0.15 | 0.09 | 0.29 | 0.30 | 0.33 | 0.33 | 0.24 | 0.15 | 0.07 | 0.09 | 0.05 | |
| 21 | 0.06 | 0.13 | 0.08 | 0.10 | 0.31 | 0.38 | 0.33 | 0.26 | 0.10 | 0.07 | 0.16 | 0.04 | |
| 22 | 0.04 | 0.20 | 0.08 | 0.10 | 0.27 | 0.33 | 0.33 | 0.28 | 0.11 | 0.07 | 0.18 | 0.05 | |
| 23 | 0.04 | 0.10 | 0.10 | 0.07 | 0.25 | 0.34 | 0.36 | 0.23 | 0.12 | 0.08 | 0.10 | 0.04 | |
| 24 | 0.04 | 0.13 | 0.10 | 0.06 | 0.25 | 0.38 | 0.36 | 0.27 | 0.17 | 0.07 | 0.12 | 0.04 | |
| 25 | 0.04 | 0.18 | 0.09 | 0.07 | 0.27 | 0.38 | 0.34 | 0.28 | 0.18 | 0.08 | 0.09 | 0.03 | |
| 26 | 0.06 | 0.16 | 0.12 | 0.11 | 0.10 | 0.38 | 0.33 | 0.30 | 0.20 | 0.08 | 0.09 | 0.04 | |
| 27 | 0.04 | 0.13 | 0.13 | 0.13 | 0.11 | 0.35 | 0.20 | 0.31 | 0.24 | 0.08 | 0.09 | 0.04 | |
| 28 | 0.08 | 0.15 | 0.13 | 0.14 | 0.12 | 0.37 | 0.19 | 0.26 | 0.28 | 0.09 | 0.10 | 0.03 | |
| 29 | 0.05 | | 0.14 | 0.09 | 0.14 | 0.37 | 0.21 | 0.24 | 0.23 | 0.16 | 0.08 | 0.04 | |
| 30 | 0.06 | | 0.24 | 0.06 | 0.14 | 0.40 | 0.31 | 0.28 | 0.21 | 0.11 | 0.08 | 0.04 | |
| 31 | 0.08 | | 0.20 | | 0.15 | | 0.33 | 0.31 | | 0.11 | | 0.06 | |

(Daily Kc values)
Alfalfa- perennial

Sheet E: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.612 | 0.654 | 1.020 | 0.805 | 0.538 | 0.468 | 0.340 | 1.020 | 1.020 | 1.020 | 0.724 | 1.020 |
| 2 | 0.646 | 0.680 | 1.020 | 0.841 | 0.567 | 0.510 | 0.340 | 1.020 | 1.020 | 1.020 | 0.754 | 1.020 |
| 3 | 0.680 | 0.706 | 1.020 | 0.877 | 0.595 | 0.553 | 0.340 | 1.020 | 1.020 | 1.020 | 0.783 | 1.020 |
| 4 | 0.714 | 0.732 | 1.020 | 0.913 | 0.623 | 0.595 | 0.340 | 1.020 | 1.020 | 1.020 | 0.813 | 1.020 |
| 5 | 0.748 | 0.758 | 1.020 | 0.948 | 0.652 | 0.638 | 0.385 | 0.340 | 1.020 | 1.020 | 0.843 | 1.020 |
| 6 | 0.782 | 0.785 | 1.020 | 0.984 | 0.680 | 0.680 | 0.431 | 0.340 | 1.020 | 1.020 | 0.872 | 1.020 |
| 7 | 0.816 | 0.811 | 1.020 | 1.020 | 0.708 | 0.723 | 0.476 | 0.340 | 1.020 | 1.020 | 0.902 | 1.020 |
| 8 | 0.850 | 0.837 | 1.020 | 1.020 | 0.737 | 0.765 | 0.521 | 0.340 | 1.020 | 1.020 | 0.931 | 1.020 |
| 9 | 0.884 | 0.863 | 1.020 | 1.020 | 0.765 | 0.808 | 0.567 | 0.385 | 1.020 | 1.020 | 0.961 | 1.020 |
| 10 | 0.918 | 0.889 | 1.020 | 1.020 | 0.793 | 0.850 | 0.612 | 0.431 | 0.340 | 1.020 | 0.990 | 1.020 |
| 11 | 0.952 | 0.915 | 1.020 | 1.020 | 0.822 | 0.893 | 0.657 | 0.476 | 0.340 | 1.020 | 1.020 | 1.020 |
| 12 | 0.986 | 0.942 | 1.020 | 1.020 | 0.850 | 0.935 | 0.703 | 0.521 | 0.340 | 1.020 | 1.020 | 1.020 |
| 13 | 1.020 | 0.968 | 1.020 | 1.020 | 0.878 | 0.978 | 0.748 | 0.567 | 0.340 | 1.020 | 1.020 | 1.020 |
| 14 | 1.020 | 0.994 | 1.020 | 1.020 | 0.907 | 1.020 | 0.793 | 0.612 | 0.385 | 1.020 | 1.020 | 1.020 |
| 15 | 0.340 | 1.020 | 1.020 | 1.020 | 0.935 | 1.020 | 0.839 | 0.657 | 0.431 | 1.020 | 1.020 | 1.020 |
| 16 | 0.340 | 1.020 | 0.340 | 1.020 | 0.963 | 1.020 | 0.884 | 0.703 | 0.476 | 0.340 | 1.020 | 1.020 |
| 17 | 0.340 | 1.020 | 0.340 | 1.020 | 0.992 | 1.020 | 0.929 | 0.748 | 0.521 | 0.340 | 1.020 | 1.020 |
| 18 | 0.340 | 1.020 | 0.340 | 1.020 | 1.020 | 1.020 | 0.975 | 0.793 | 0.567 | 0.340 | 1.020 | 0.340 |
| 19 | 0.340 | 1.020 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.839 | 0.612 | 0.340 | 1.020 | 0.340 |
| 20 | 0.340 | 1.020 | 0.376 | 1.020 | 1.020 | 1.020 | 1.020 | 0.884 | 0.657 | 0.370 | 1.020 | 0.340 |
| 21 | 0.366 | 1.020 | 0.412 | 0.340 | 1.020 | 1.020 | 1.020 | 0.929 | 0.703 | 0.399 | 1.020 | 0.340 |
| 22 | 0.392 | 1.020 | 0.447 | 0.340 | 1.020 | 1.020 | 1.020 | 0.975 | 0.748 | 0.429 | 1.020 | 0.340 |
| 23 | 0.418 | 1.020 | 0.483 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.793 | 0.458 | 1.020 | 0.340 |
| 24 | 0.445 | 1.020 | 0.519 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.839 | 0.488 | 1.020 | 0.340 |
| 25 | 0.471 | 1.020 | 0.555 | 0.368 | 1.020 | 1.020 | 1.020 | 1.020 | 0.884 | 0.517 | 1.020 | 0.374 |
| 26 | 0.497 | 1.020 | 0.591 | 0.397 | 0.340 | 1.020 | 1.020 | 1.020 | 0.929 | 0.547 | 1.020 | 0.408 |
| 27 | 0.523 | 1.020 | 0.626 | 0.425 | 0.340 | 1.020 | 1.020 | 1.020 | 0.975 | 0.577 | 1.020 | 0.442 |
| 28 | 0.549 | 1.020 | 0.662 | 0.453 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.606 | 1.020 | 0.476 |
| 29 | 0.575 | | 0.698 | 0.482 | 0.340 | 1.020 | 1.020 | 1.020 | 1.020 | 0.636 | 1.020 | 0.510 |
| 30 | 0.602 | | 0.734 | 0.510 | 0.383 | 1.020 | 1.020 | 1.020 | 1.020 | 0.665 | 1.020 | 0.544 |
| 31 | 0.628 | | 0.769 | | 0.425 | | 1.020 | 1.020 | | 0.695 | | 0.578 |

ET calculations for Sheet F: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Alfalfa-1b annual)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Alfalfa- annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.05 | 0.13 | 0.04 | 0.09 | 0.22 | 0.13 | 0.15 | 0.24 | 0.16 | 0.12 | 0.09 | |
| 2 | 0.04 | 0.06 | 0.14 | 0.05 | 0.15 | 0.25 | 0.13 | 0.13 | 0.25 | 0.19 | 0.13 | 0.08 | |
| 3 | 0.04 | 0.05 | 0.17 | 0.06 | 0.12 | 0.25 | 0.13 | 0.14 | 0.22 | 0.16 | 0.13 | 0.15 | |
| 4 | 0.03 | -0.04 | 0.13 | 0.05 | 0.12 | 0.24 | 0.11 | 0.16 | 0.22 | 0.17 | 0.12 | 0.09 | |
| 5 | 0.03 | -0.06 | 0.12 | 0.06 | 0.13 | 0.23 | 0.10 | 0.17 | 0.24 | 0.20 | 0.13 | 0.07 | |
| 6 | 0.03 | 0.04 | 0.15 | 0.06 | 0.13 | 0.28 | 0.11 | 0.16 | 0.23 | 0.26 | 0.11 | 0.07 | |
| 7 | 0.03 | 0.04 | 0.14 | 0.06 | 0.15 | 0.34 | 0.06 | 0.16 | 0.24 | 0.25 | 0.11 | 0.10 | |
| 8 | 0.05 | 0.04 | 0.12 | 0.06 | 0.19 | 0.32 | 0.05 | 0.16 | 0.26 | 0.19 | 0.10 | 0.16 | |
| 9 | 0.03 | 0.07 | 0.16 | 0.07 | 0.16 | 0.30 | 0.09 | 0.16 | 0.17 | 0.21 | 0.12 | 0.07 | |
| 10 | 0.02 | 0.09 | 0.14 | 0.06 | 0.13 | 0.28 | 0.10 | 0.18 | 0.25 | 0.21 | 0.11 | 0.09 | |
| 11 | 0.03 | 0.07 | 0.16 | 0.07 | 0.14 | 0.28 | 0.09 | 0.16 | 0.27 | 0.20 | 0.12 | 0.20 | |
| 12 | 0.03 | 0.08 | 0.20 | 0.04 | 0.18 | 0.29 | 0.07 | 0.15 | 0.25 | 0.21 | 0.14 | 0.08 | |
| 13 | 0.03 | 0.08 | 0.15 | 0.05 | 0.20 | 0.29 | 0.07 | 0.17 | 0.27 | 0.19 | 0.13 | 0.10 | |
| 14 | 0.04 | 0.08 | 0.17 | 0.08 | 0.17 | 0.31 | 0.09 | 0.17 | 0.28 | 0.20 | 0.12 | 0.12 | |
| 15 | 0.03 | 0.08 | 0.20 | 0.09 | 0.16 | 0.35 | 0.11 | 0.18 | 0.09 | 0.19 | 0.04 | 0.09 | |
| 16 | 0.03 | 0.06 | 0.16 | 0.08 | 0.16 | 0.10 | 0.10 | 0.16 | 0.10 | 0.32 | 0.04 | 0.08 | |
| 17 | 0.03 | 0.07 | 0.05 | 0.08 | 0.15 | 0.10 | 0.12 | 0.18 | 0.09 | 0.29 | 0.04 | 0.09 | |
| 18 | 0.03 | 0.06 | 0.05 | 0.08 | 0.18 | 0.09 | 0.10 | 0.16 | 0.10 | 0.16 | 0.03 | 0.08 | |
| 19 | 0.03 | 0.09 | 0.05 | 0.09 | 0.19 | 0.10 | 0.12 | 0.14 | 0.11 | 0.18 | 0.03 | 0.16 | |
| 20 | 0.05 | 0.09 | 0.07 | 0.10 | 0.19 | 0.10 | 0.12 | 0.17 | 0.10 | 0.19 | 0.03 | 0.15 | |
| 21 | 0.06 | 0.09 | 0.06 | 0.11 | 0.20 | 0.11 | 0.12 | 0.18 | 0.07 | 0.17 | 0.06 | 0.12 | |
| 22 | 0.04 | 0.14 | 0.05 | 0.11 | 0.17 | 0.10 | 0.12 | 0.19 | 0.07 | 0.17 | 0.08 | 0.16 | |
| 23 | 0.04 | 0.05 | 0.06 | 0.08 | 0.16 | 0.10 | 0.14 | 0.15 | 0.08 | 0.17 | 0.05 | 0.12 | |
| 24 | 0.03 | 0.09 | 0.06 | 0.07 | 0.16 | 0.11 | 0.14 | 0.18 | 0.11 | 0.15 | 0.06 | 0.11 | |
| 25 | 0.03 | 0.13 | 0.05 | 0.08 | 0.18 | 0.11 | 0.13 | 0.20 | 0.12 | 0.16 | 0.05 | 0.09 | |
| 26 | 0.05 | 0.11 | 0.06 | 0.11 | 0.21 | 0.11 | 0.13 | 0.21 | 0.14 | 0.15 | 0.05 | 0.10 | |
| 27 | 0.03 | 0.10 | 0.06 | 0.13 | 0.22 | 0.10 | 0.08 | 0.22 | 0.16 | 0.15 | 0.05 | 0.09 | |
| 28 | 0.06 | 0.11 | 0.06 | 0.13 | 0.25 | 0.11 | 0.08 | 0.19 | 0.19 | 0.15 | 0.06 | 0.07 | |
| 29 | 0.04 | | 0.06 | 0.08 | 0.30 | 0.11 | 0.09 | 0.18 | 0.17 | 0.26 | 0.05 | 0.07 | |
| 30 | 0.04 | | 0.10 | 0.05 | 0.28 | 0.12 | 0.13 | 0.22 | 0.16 | 0.16 | 0.06 | 0.08 | |
| 31 | 0.06 | | 0.08 | | 0.28 | | 0.14 | 0.24 | | 0.16 | | 0.10 | |

(Daily Kc values)
Alfalfa- annual

Sheet F: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.305 | 0.458 | 0.775 | 0.304 | 0.441 | 0.790 | 0.304 | 0.449 | 0.804 | 0.783 | 1.020 | 0.748 |
| 2 | 0.307 | 0.466 | 0.790 | 0.305 | 0.449 | 0.804 | 0.305 | 0.458 | 0.819 | 0.813 | 1.020 | 0.782 |
| 3 | 0.309 | 0.475 | 0.804 | 0.307 | 0.458 | 0.819 | 0.307 | 0.466 | 0.835 | 0.843 | 1.020 | 0.816 |
| 4 | 0.311 | 0.483 | 0.819 | 0.309 | 0.466 | 0.835 | 0.309 | 0.475 | 0.850 | 0.872 | 1.020 | 0.850 |
| 5 | 0.313 | 0.492 | 0.835 | 0.311 | 0.475 | 0.850 | 0.311 | 0.483 | 0.866 | 0.902 | 1.020 | 0.884 |
| 6 | 0.316 | 0.502 | 0.850 | 0.313 | 0.483 | 0.866 | 0.313 | 0.492 | 0.881 | 0.931 | 1.020 | 0.918 |
| 7 | 0.318 | 0.511 | 0.866 | 0.316 | 0.492 | 0.881 | 0.316 | 0.502 | 0.897 | 0.961 | 1.020 | 0.952 |
| 8 | 0.321 | 0.521 | 0.881 | 0.318 | 0.502 | 0.897 | 0.318 | 0.511 | 0.914 | 0.990 | 1.020 | 0.986 |
| 9 | 0.325 | 0.531 | 0.897 | 0.321 | 0.511 | 0.914 | 0.321 | 0.521 | 0.930 | 1.020 | 1.020 | 1.020 |
| 10 | 0.328 | 0.541 | 0.914 | 0.325 | 0.521 | 0.930 | 0.325 | 0.531 | 0.947 | 1.020 | 1.020 | 1.020 |
| 11 | 0.332 | 0.551 | 0.930 | 0.328 | 0.531 | 0.947 | 0.328 | 0.541 | 0.964 | 1.020 | 1.020 | 1.020 |
| 12 | 0.335 | 0.562 | 0.947 | 0.332 | 0.541 | 0.964 | 0.332 | 0.551 | 0.981 | 1.020 | 1.020 | 1.020 |
| 13 | 0.339 | 0.573 | 0.964 | 0.335 | 0.551 | 0.981 | 0.335 | 0.562 | 0.998 | 1.020 | 1.020 | 1.020 |
| 14 | 0.344 | 0.584 | 0.981 | 0.339 | 0.562 | 0.998 | 0.339 | 0.573 | 1.016 | 1.020 | 1.020 | 1.020 |
| 15 | 0.348 | 0.595 | 0.998 | 0.344 | 0.573 | 1.016 | 0.344 | 0.584 | 0.340 | 1.020 | 0.340 | 1.020 |
| 16 | 0.353 | 0.606 | 1.016 | 0.348 | 0.584 | 0.309 | 0.348 | 0.595 | 0.340 | 1.020 | 0.340 | 1.020 |
| 17 | 0.358 | 0.618 | 0.309 | 0.353 | 0.595 | 0.307 | 0.353 | 0.606 | 0.370 | 1.020 | 0.340 | 1.020 |
| 18 | 0.363 | 0.630 | 0.307 | 0.358 | 0.606 | 0.305 | 0.358 | 0.618 | 0.399 | 1.020 | 0.340 | 1.020 |
| 19 | 0.368 | 0.642 | 0.305 | 0.363 | 0.618 | 0.304 | 0.363 | 0.630 | 0.429 | 1.020 | 0.340 | 1.020 |
| 20 | 0.374 | 0.654 | 0.304 | 0.368 | 0.630 | 0.303 | 0.368 | 0.642 | 0.458 | 1.020 | 0.374 | 1.020 |
| 21 | 0.380 | 0.667 | 0.303 | 0.374 | 0.642 | 0.302 | 0.374 | 0.654 | 0.488 | 1.020 | 0.408 | 1.020 |
| 22 | 0.386 | 0.680 | 0.302 | 0.380 | 0.654 | 0.301 | 0.380 | 0.667 | 0.517 | 1.020 | 0.442 | 1.020 |
| 23 | 0.392 | 0.693 | 0.301 | 0.386 | 0.667 | 0.300 | 0.386 | 0.680 | 0.547 | 1.020 | 0.476 | 1.020 |
| 24 | 0.398 | 0.706 | 0.300 | 0.392 | 0.680 | 0.300 | 0.392 | 0.693 | 0.577 | 1.020 | 0.510 | 1.020 |
| 25 | 0.405 | 0.719 | 0.300 | 0.398 | 0.693 | 0.300 | 0.398 | 0.706 | 0.606 | 1.020 | 0.544 | 1.020 |
| 26 | 0.412 | 0.733 | 0.300 | 0.405 | 0.706 | 0.300 | 0.405 | 0.719 | 0.636 | 1.020 | 0.578 | 1.020 |
| 27 | 0.419 | 0.747 | 0.300 | 0.412 | 0.719 | 0.300 | 0.412 | 0.733 | 0.665 | 1.020 | 0.612 | 1.020 |
| 28 | 0.426 | 0.761 | 0.300 | 0.419 | 0.733 | 0.301 | 0.419 | 0.747 | 0.695 | 1.020 | 0.646 | 1.020 |
| 29 | 0.434 | | 0.301 | 0.426 | 0.747 | 0.302 | 0.426 | 0.761 | 0.724 | 1.020 | 0.680 | 1.020 |
| 30 | 0.441 | | 0.302 | 0.434 | 0.761 | 0.303 | 0.434 | 0.775 | 0.754 | 1.020 | 0.714 | 1.020 |
| 31 | 0.449 | | 0.303 | | 0.775 | | 0.441 | 0.790 | | 1.020 | | 1.020 |

ET calculations for Sheet G: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Alfalfa-1c seed)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Alfalfa- seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.06 | 0.09 | 0.19 | 0.07 | 0.21 | 0.11 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 2 | 0.05 | 0.10 | 0.19 | 0.10 | 0.35 | 0.13 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 3 | 0.05 | 0.08 | 0.23 | 0.11 | 0.28 | 0.12 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 4 | 0.04 | -0.01 | 0.18 | 0.09 | 0.27 | 0.12 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 5 | 0.04 | -0.04 | 0.15 | 0.11 | 0.30 | 0.11 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 6 | 0.04 | 0.06 | 0.19 | 0.12 | 0.29 | 0.13 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 7 | 0.04 | 0.07 | 0.17 | 0.12 | 0.33 | 0.17 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 8 | 0.06 | 0.08 | 0.15 | 0.13 | 0.41 | 0.16 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 9 | 0.04 | 0.12 | 0.19 | 0.14 | 0.33 | 0.15 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 10 | 0.03 | 0.16 | 0.17 | 0.13 | 0.28 | 0.15 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 11 | 0.04 | 0.13 | 0.19 | 0.15 | 0.29 | 0.14 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | |
| 12 | 0.04 | 0.14 | 0.23 | 0.09 | 0.35 | 0.15 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 13 | 0.05 | 0.13 | 0.17 | 0.11 | 0.39 | 0.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 14 | 0.05 | 0.14 | 0.19 | 0.18 | 0.33 | 0.17 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 15 | 0.04 | 0.14 | 0.22 | 0.20 | 0.30 | 0.19 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 16 | 0.05 | 0.10 | 0.07 | 0.18 | 0.30 | 0.19 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 17 | 0.05 | 0.11 | 0.07 | 0.19 | 0.28 | 0.20 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 18 | 0.05 | 0.10 | 0.06 | 0.19 | 0.31 | 0.19 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 19 | 0.05 | 0.15 | 0.07 | 0.22 | 0.33 | 0.20 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 20 | 0.08 | 0.16 | 0.10 | 0.24 | 0.32 | 0.21 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 21 | 0.10 | 0.14 | 0.08 | 0.25 | 0.33 | 0.25 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 22 | 0.06 | 0.22 | 0.07 | 0.26 | 0.28 | 0.22 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 23 | 0.06 | 0.11 | 0.08 | 0.19 | 0.27 | 0.23 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 24 | 0.05 | 0.14 | 0.08 | 0.17 | 0.26 | 0.27 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 25 | 0.06 | 0.20 | 0.07 | 0.19 | 0.28 | 0.27 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 26 | 0.08 | 0.17 | 0.09 | 0.26 | 0.32 | 0.27 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 27 | 0.06 | 0.14 | 0.09 | 0.31 | 0.34 | 0.26 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 28 | 0.10 | 0.16 | 0.09 | 0.30 | 0.37 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 29 | 0.07 | | 0.10 | 0.18 | 0.16 | 0.29 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 30 | 0.07 | | 0.17 | 0.13 | 0.15 | 0.32 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 31 | 0.10 | | 0.14 | | 0.15 | | 0.35 | 0.00 | | 0.00 | | 0.04 | |

(Daily Kc values)
Alfalfa- seed

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.409 | 0.798 | 1.086 | 0.544 | 1.052 | 0.409 | 0.832 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 2 | 0.409 | 0.815 | 1.086 | 0.561 | 1.069 | 0.409 | 0.849 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 3 | 0.409 | 0.832 | 1.086 | 0.578 | 1.086 | 0.409 | 0.866 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 4 | 0.409 | 0.849 | 1.086 | 0.595 | 1.086 | 0.409 | 0.883 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 5 | 0.409 | 0.866 | 1.086 | 0.612 | 1.086 | 0.409 | 0.899 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 6 | 0.409 | 0.883 | 1.086 | 0.629 | 1.086 | 0.409 | 0.916 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 7 | 0.409 | 0.899 | 1.086 | 0.646 | 1.086 | 0.426 | 0.933 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 8 | 0.409 | 0.916 | 1.086 | 0.663 | 1.086 | 0.443 | 0.950 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 9 | 0.409 | 0.933 | 1.086 | 0.680 | 1.086 | 0.460 | 0.967 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 10 | 0.426 | 0.950 | 1.086 | 0.696 | 1.086 | 0.477 | 0.984 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 11 | 0.443 | 0.967 | 1.086 | 0.713 | 1.086 | 0.493 | 1.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 12 | 0.460 | 0.984 | 1.086 | 0.730 | 1.086 | 0.510 | 1.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 13 | 0.477 | 1.001 | 1.086 | 0.747 | 1.086 | 0.527 | 1.035 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 14 | 0.493 | 1.018 | 1.086 | 0.764 | 1.086 | 0.544 | 1.052 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 15 | 0.510 | 1.035 | 1.086 | 0.781 | 1.086 | 0.561 | 1.069 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 16 | 0.527 | 1.052 | 0.409 | 0.798 | 1.086 | 0.578 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 17 | 0.544 | 1.069 | 0.409 | 0.815 | 1.086 | 0.595 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 18 | 0.561 | 1.086 | 0.409 | 0.832 | 1.086 | 0.612 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 19 | 0.578 | 1.086 | 0.409 | 0.849 | 1.086 | 0.629 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 20 | 0.595 | 1.086 | 0.409 | 0.866 | 1.086 | 0.646 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 21 | 0.612 | 1.086 | 0.409 | 0.883 | 1.086 | 0.663 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 22 | 0.629 | 1.086 | 0.409 | 0.899 | 1.086 | 0.680 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 23 | 0.646 | 1.086 | 0.409 | 0.916 | 1.086 | 0.696 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 24 | 0.663 | 1.086 | 0.409 | 0.933 | 1.086 | 0.713 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 25 | 0.680 | 1.086 | 0.426 | 0.950 | 1.086 | 0.730 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 26 | 0.696 | 1.086 | 0.443 | 0.967 | 1.086 | 0.747 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 27 | 0.713 | 1.086 | 0.460 | 0.984 | 1.086 | 0.764 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 28 | 0.730 | 1.086 | 0.477 | 1.001 | 1.086 | 0.781 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 29 | 0.747 | | 0.493 | 1.018 | 0.409 | 0.798 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 30 | 0.764 | | 0.510 | 1.035 | 0.409 | 0.815 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 |
| 31 | 0.781 | | 0.527 | | 0.409 | | 1.086 | 0.000 | | 0.000 | | 0.409 |

ET calculations for Sheet H: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Cotton)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | 0.24 | 0.29 | 0.33 | 0.23 | 0.06 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.24 | 0.25 | 0.34 | 0.25 | 0.06 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.24 | 0.28 | 0.29 | 0.21 | 0.06 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.22 | 0.30 | 0.29 | 0.22 | 0.05 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.20 | 0.31 | 0.31 | 0.25 | 0.05 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.11 | 0.22 | 0.31 | 0.30 | 0.31 | 0.04 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.13 | 0.12 | 0.30 | 0.29 | 0.28 | 0.04 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.13 | 0.10 | 0.29 | 0.31 | 0.20 | 0.03 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.12 | 0.17 | 0.30 | 0.21 | 0.21 | 0.04 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.11 | 0.21 | 0.32 | 0.29 | 0.21 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.11 | 0.19 | 0.28 | 0.31 | 0.20 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.03 | 0.08 | 0.12 | 0.14 | 0.27 | 0.29 | 0.20 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.12 | 0.13 | 0.30 | 0.30 | 0.18 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.06 | 0.08 | 0.13 | 0.18 | 0.30 | 0.31 | 0.18 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.14 | 0.22 | 0.31 | 0.31 | 0.17 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.14 | 0.20 | 0.27 | 0.32 | 0.27 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.14 | 0.25 | 0.30 | 0.28 | 0.24 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.14 | 0.21 | 0.27 | 0.28 | 0.13 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.14 | 0.24 | 0.24 | 0.29 | 0.15 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.15 | 0.24 | 0.28 | 0.25 | 0.15 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.18 | 0.24 | 0.29 | 0.16 | 0.13 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.15 | 0.25 | 0.31 | 0.16 | 0.12 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.17 | 0.28 | 0.24 | 0.17 | 0.12 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.19 | 0.28 | 0.29 | 0.22 | 0.10 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.19 | 0.27 | 0.31 | 0.22 | 0.11 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.19 | 0.26 | 0.32 | 0.24 | 0.10 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.08 | 0.08 | 0.18 | 0.16 | 0.34 | 0.27 | 0.09 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.19 | 0.15 | 0.29 | 0.31 | 0.09 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.05 | 0.10 | 0.20 | 0.17 | 0.26 | 0.25 | 0.15 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.03 | 0.10 | 0.22 | 0.26 | 0.31 | 0.23 | 0.09 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.10 | | 0.28 | 0.33 | | 0.08 | | 0.00 | |

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.281 | 0.568 | 0.866 | 1.115 | 1.115 | 0.506 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.290 | 0.578 | 0.875 | 1.115 | 1.115 | 0.483 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.300 | 0.588 | 0.885 | 1.115 | 1.115 | 0.459 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.309 | 0.597 | 0.894 | 1.115 | 1.115 | 0.436 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.319 | 0.607 | 0.904 | 1.115 | 1.115 | 0.413 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.329 | 0.616 | 0.914 | 1.115 | 1.115 | 0.389 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.338 | 0.626 | 0.923 | 1.115 | 1.092 | 0.366 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.348 | 0.636 | 0.933 | 1.115 | 1.068 | 0.342 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.357 | 0.645 | 0.942 | 1.115 | 1.045 | 0.319 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.367 | 0.655 | 0.952 | 1.115 | 1.021 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.377 | 0.664 | 0.962 | 1.115 | 0.998 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.386 | 0.674 | 0.971 | 1.115 | 0.975 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.396 | 0.683 | 0.981 | 1.115 | 0.951 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.405 | 0.693 | 0.990 | 1.115 | 0.928 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.415 | 0.703 | 1.000 | 1.115 | 0.904 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.425 | 0.712 | 1.010 | 1.115 | 0.881 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.434 | 0.722 | 1.019 | 1.115 | 0.858 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.444 | 0.731 | 1.029 | 1.115 | 0.834 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.453 | 0.741 | 1.038 | 1.115 | 0.811 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.463 | 0.751 | 1.048 | 1.115 | 0.787 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.472 | 0.760 | 1.058 | 1.115 | 0.764 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.482 | 0.770 | 1.067 | 1.115 | 0.740 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.492 | 0.779 | 1.077 | 1.115 | 0.717 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.501 | 0.789 | 1.086 | 1.115 | 0.694 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.511 | 0.799 | 1.096 | 1.115 | 0.670 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.520 | 0.808 | 1.105 | 1.115 | 0.647 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.530 | 0.818 | 1.115 | 1.115 | 0.623 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.540 | 0.827 | 1.115 | 1.115 | 0.600 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.252 | 0.252 | 0.549 | 0.837 | 1.115 | 1.115 | 0.577 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.252 | 0.261 | 0.559 | 0.847 | 1.115 | 1.115 | 0.553 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.271 | | 0.856 | 1.115 | | 0.530 | | 0.000 |

ET calculations for Sheet I: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Small Grains includes oats, rye, barley, millet, and wheat)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.06 | 0.10 | 0.20 | 0.14 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.05 | 0.10 | 0.20 | 0.21 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.05 | 0.09 | 0.24 | 0.21 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.04 | -0.01 | 0.19 | 0.18 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.04 | -0.03 | 0.16 | 0.20 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.04 | 0.06 | 0.20 | 0.22 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.05 | 0.08 | 0.18 | 0.21 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.07 | 0.08 | 0.16 | 0.22 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.05 | 0.12 | 0.20 | 0.24 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.04 | 0.16 | 0.18 | 0.21 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 11 | 0.04 | 0.13 | 0.20 | 0.23 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 12 | 0.05 | 0.14 | 0.24 | 0.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 13 | 0.05 | 0.13 | 0.18 | 0.18 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 14 | 0.06 | 0.14 | 0.20 | 0.26 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 15 | 0.05 | 0.14 | 0.23 | 0.29 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 16 | 0.05 | 0.10 | 0.18 | 0.26 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 17 | 0.05 | 0.11 | 0.19 | 0.26 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 18 | 0.06 | 0.10 | 0.18 | 0.27 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| 19 | 0.06 | 0.15 | 0.20 | 0.30 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 20 | 0.09 | 0.16 | 0.28 | 0.32 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 21 | 0.10 | 0.15 | 0.21 | 0.32 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 22 | 0.07 | 0.23 | 0.21 | 0.31 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 23 | 0.07 | 0.12 | 0.23 | 0.22 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 24 | 0.06 | 0.15 | 0.21 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 25 | 0.07 | 0.21 | 0.18 | 0.21 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 26 | 0.08 | 0.18 | 0.23 | 0.27 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 27 | 0.06 | 0.15 | 0.23 | 0.31 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 28 | 0.11 | 0.17 | 0.22 | 0.29 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| 29 | 0.08 | | 0.24 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| 30 | 0.08 | | 0.38 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 31 | 0.11 | | 0.29 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | 0.04 | |

(Daily Kc values)
Small Grain

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.381 | 0.835 | 1.142 | 1.142 | 0.876 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.396 | 0.849 | 1.142 | 1.142 | 0.852 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.411 | 0.864 | 1.142 | 1.142 | 0.828 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.425 | 0.879 | 1.142 | 1.142 | 0.804 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.440 | 0.893 | 1.142 | 1.142 | 0.780 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.454 | 0.908 | 1.142 | 1.142 | 0.756 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.469 | 0.923 | 1.142 | 1.142 | 0.731 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.484 | 0.937 | 1.142 | 1.142 | 0.707 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.498 | 0.952 | 1.142 | 1.142 | 0.683 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.513 | 0.966 | 1.142 | 1.142 | 0.659 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 11 | 0.528 | 0.981 | 1.142 | 1.142 | 0.635 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 12 | 0.542 | 0.996 | 1.142 | 1.142 | 0.611 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 13 | 0.557 | 1.010 | 1.142 | 1.142 | 0.586 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 14 | 0.571 | 1.025 | 1.142 | 1.142 | 0.562 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 15 | 0.586 | 1.040 | 1.142 | 1.142 | 0.538 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 16 | 0.601 | 1.054 | 1.142 | 1.142 | 0.514 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 17 | 0.615 | 1.069 | 1.142 | 1.142 | 0.490 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 18 | 0.630 | 1.084 | 1.142 | 1.142 | 0.466 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 19 | 0.645 | 1.098 | 1.142 | 1.142 | 0.441 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 20 | 0.659 | 1.113 | 1.142 | 1.142 | 0.417 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 21 | 0.674 | 1.127 | 1.142 | 1.118 | 0.393 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 22 | 0.689 | 1.142 | 1.142 | 1.094 | 0.369 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 23 | 0.703 | 1.142 | 1.142 | 1.070 | 0.345 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 24 | 0.718 | 1.142 | 1.142 | 1.045 | 0.321 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 25 | 0.732 | 1.142 | 1.142 | 1.021 | 0.296 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 26 | 0.747 | 1.142 | 1.142 | 0.997 | 0.272 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 27 | 0.762 | 1.142 | 1.142 | 0.973 | 0.248 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 28 | 0.776 | 1.142 | 1.142 | 0.949 | 0.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 29 | 0.791 | | 1.142 | 0.925 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.337 |
| 30 | 0.806 | | 1.142 | 0.900 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.352 |
| 31 | 0.820 | | 1.142 | | 0.000 | | 0.000 | 0.000 | | 0.000 | | 0.367 |

ET calculations for Sheet J: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Field Grain includes field & sweet corn, sorghum, and milo)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.06 | 0.08 | 0.24 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.06 | 0.12 | 0.39 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.08 | 0.12 | 0.31 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.06 | 0.11 | 0.30 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.05 | 0.13 | 0.33 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.07 | 0.14 | 0.32 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.06 | 0.14 | 0.36 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.05 | 0.15 | 0.45 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.06 | 0.17 | 0.37 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.06 | 0.15 | 0.31 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.07 | 0.17 | 0.33 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.08 | 0.11 | 0.39 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.06 | 0.13 | 0.43 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.07 | 0.21 | 0.37 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.07 | 0.23 | 0.34 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.06 | 0.21 | 0.33 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.06 | 0.22 | 0.31 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.06 | 0.23 | 0.35 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.06 | 0.26 | 0.37 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.09 | 0.29 | 0.36 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.07 | 0.30 | 0.37 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.07 | 0.30 | 0.32 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.09 | 0.22 | 0.30 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.08 | 0.20 | 0.29 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.08 | 0.23 | 0.32 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.10 | 0.31 | 0.36 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.10 | 0.37 | 0.38 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.11 | 0.36 | 0.41 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.12 | 0.22 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.19 | 0.15 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.15 | | 0.43 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)
Field Grain

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.367 | 0.621 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.367 | 0.642 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.367 | 0.663 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.367 | 0.685 | 1.213 | 1.178 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.367 | 0.706 | 1.213 | 1.142 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.367 | 0.727 | 1.213 | 1.107 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.367 | 0.748 | 1.213 | 1.071 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.367 | 0.769 | 1.213 | 1.035 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.367 | 0.790 | 1.213 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.367 | 0.811 | 1.213 | 0.964 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.367 | 0.833 | 1.213 | 0.929 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.367 | 0.854 | 1.213 | 0.893 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.367 | 0.875 | 1.213 | 0.858 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.367 | 0.896 | 1.213 | 0.822 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.367 | 0.917 | 1.213 | 0.786 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.367 | 0.938 | 1.213 | 0.751 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.367 | 0.960 | 1.213 | 0.715 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.367 | 0.981 | 1.213 | 0.680 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.367 | 1.002 | 1.213 | 0.644 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.367 | 1.023 | 1.213 | 0.609 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.388 | 1.044 | 1.213 | 0.573 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.410 | 1.065 | 1.213 | 0.537 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.431 | 1.086 | 1.213 | 0.502 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.452 | 1.108 | 1.213 | 0.466 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.473 | 1.129 | 1.213 | 0.431 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.494 | 1.150 | 1.213 | 0.395 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.515 | 1.171 | 1.213 | 0.360 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.536 | 1.192 | 1.213 | 0.324 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.558 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.579 | 1.213 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.600 | | 1.213 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet K: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Lettuce-6a early Sept 15 - Nov 28)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Lettuce- early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.11 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.13 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.13 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.12 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.13 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.11 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.11 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.10 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.11 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.11 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.11 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.13 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.13 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.11 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.15 | 0.11 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.25 | 0.10 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.23 | 0.12 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.14 | 0.09 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.16 | 0.09 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.17 | 0.09 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.15 | 0.15 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.16 | 0.17 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.16 | 0.10 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.15 | 0.11 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.16 | 0.08 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.15 | 0.08 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.14 | 0.08 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.15 | 0.09 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.26 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.16 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.15 | | 0.00 | |

(Daily Kc values)
Lettuce- early

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.456 | 1.005 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.480 | 1.005 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.504 | 1.005 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.528 | 1.005 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.552 | 1.005 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.576 | 1.005 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.599 | 1.005 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.623 | 1.005 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.647 | 1.005 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.671 | 1.005 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.695 | 1.005 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.719 | 1.005 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.742 | 1.005 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.766 | 0.998 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.790 | 0.991 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.814 | 0.985 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.838 | 0.978 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.862 | 0.971 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.885 | 0.965 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.909 | 0.958 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.933 | 0.951 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.957 | 0.945 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.981 | 0.938 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.931 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.925 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.918 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.911 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.905 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.005 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.433 | 1.005 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 1.005 | | 0.000 |

ET calculations for Sheet L: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Lettuce-6b late Nov 15 - Jan 28)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Lettuce- late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 2 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 3 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | |
| 4 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 5 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 6 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 7 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 8 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | |
| 9 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 10 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 11 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | |
| 12 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 13 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 14 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | |
| 15 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 16 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 17 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | |
| 18 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | |
| 19 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.14 | |
| 20 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.13 | |
| 21 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.11 | |
| 22 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.15 | |
| 23 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.12 | |
| 24 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.11 | |
| 25 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | |
| 26 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.10 | |
| 27 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.09 | |
| 28 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | 0.10 | |

(Daily Kc values)
Lettuce- late

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.451 |
| 2 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.475 |
| 3 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.500 |
| 4 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.524 |
| 5 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.548 |
| 6 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.573 |
| 7 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.597 |
| 8 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.622 |
| 9 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.646 |
| 10 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.671 |
| 11 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.695 |
| 12 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.720 |
| 13 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.744 |
| 14 | 1.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.769 |
| 15 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.793 |
| 16 | 0.993 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.818 |
| 17 | 0.987 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.842 |
| 18 | 0.980 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.867 |
| 19 | 0.973 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.891 |
| 20 | 0.967 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.915 |
| 21 | 0.960 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.940 |
| 22 | 0.953 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.964 |
| 23 | 0.947 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 0.989 |
| 24 | 0.940 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 25 | 0.933 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 26 | 0.927 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 27 | 0.920 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 28 | 0.913 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.013 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.426 | 1.013 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 0.000 | | 1.013 |

ET calculations for Sheet M: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Melons-7a spring Mar 15 - Jul 12)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Melons- spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.05 | 0.20 | 0.28 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.07 | 0.33 | 0.31 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.08 | 0.26 | 0.31 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.07 | 0.25 | 0.29 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.08 | 0.27 | 0.27 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.10 | 0.27 | 0.33 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.10 | 0.30 | 0.39 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.10 | 0.38 | 0.36 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.12 | 0.31 | 0.32 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.26 | 0.30 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.12 | 0.27 | 0.29 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.08 | 0.33 | 0.30 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.10 | 0.36 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.16 | 0.31 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.08 | 0.18 | 0.28 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.07 | 0.16 | 0.27 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.07 | 0.17 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.07 | 0.18 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.07 | 0.21 | 0.31 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.10 | 0.23 | 0.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.08 | 0.24 | 0.31 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.07 | 0.25 | 0.26 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.08 | 0.18 | 0.25 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.08 | 0.16 | 0.24 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.07 | 0.19 | 0.26 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.08 | 0.26 | 0.30 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.08 | 0.31 | 0.31 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.08 | 0.31 | 0.34 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.09 | 0.18 | 0.40 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.14 | 0.12 | 0.37 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.11 | | 0.36 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)
Melons- spring

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.415 | 1.008 | 1.008 | 0.871 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.415 | 1.008 | 1.008 | 0.865 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.415 | 1.008 | 1.008 | 0.860 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.439 | 1.008 | 1.008 | 0.854 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.463 | 1.008 | 1.008 | 0.848 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.486 | 1.008 | 1.008 | 0.842 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.510 | 1.008 | 1.008 | 0.837 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.534 | 1.008 | 1.002 | 0.831 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.558 | 1.008 | 0.997 | 0.825 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.581 | 1.008 | 0.991 | 0.820 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.605 | 1.008 | 0.985 | 0.814 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.629 | 1.008 | 0.980 | 0.808 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.652 | 1.008 | 0.974 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.676 | 1.008 | 0.968 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.415 | 0.700 | 1.008 | 0.962 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.415 | 0.724 | 1.008 | 0.957 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.415 | 0.747 | 1.008 | 0.951 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.415 | 0.771 | 1.008 | 0.945 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.415 | 0.795 | 1.008 | 0.940 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.415 | 0.818 | 1.008 | 0.934 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.415 | 0.842 | 1.008 | 0.928 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.415 | 0.866 | 1.008 | 0.922 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.415 | 0.890 | 1.008 | 0.917 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.415 | 0.913 | 1.008 | 0.911 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.415 | 0.937 | 1.008 | 0.905 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.415 | 0.961 | 1.008 | 0.900 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.415 | 0.984 | 1.008 | 0.894 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.415 | 1.008 | 1.008 | 0.888 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.415 | 1.008 | 1.008 | 0.882 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.415 | 1.008 | 1.008 | 0.877 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.415 | | 1.008 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet N: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Melons-7b fall Aug 20 - Dec 17)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Melons- fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.18 | 0.11 | 0.11 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.20 | 0.13 | 0.09 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.17 | 0.13 | 0.17 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.18 | 0.12 | 0.10 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.21 | 0.12 | 0.08 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.27 | 0.11 | 0.07 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.26 | 0.11 | 0.10 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.19 | 0.10 | 0.14 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.20 | 0.11 | 0.06 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.21 | 0.11 | 0.08 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.20 | 0.11 | 0.17 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.21 | 0.13 | 0.07 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.19 | 0.13 | 0.08 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.20 | 0.12 | 0.10 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.19 | 0.11 | 0.07 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.31 | 0.11 | 0.07 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.28 | 0.13 | 0.07 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.16 | 0.10 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.18 | 0.09 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.15 | 0.19 | 0.09 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.10 | 0.17 | 0.16 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.10 | 0.17 | 0.18 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.11 | 0.17 | 0.10 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.14 | 0.15 | 0.12 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.15 | 0.16 | 0.09 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.17 | 0.15 | 0.09 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.19 | 0.14 | 0.08 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.22 | 0.15 | 0.10 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.19 | 0.25 | 0.08 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.17 | 0.16 | 0.08 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.12 | | 0.15 | | 0.00 | |

(Daily Kc values)
Melons- fall

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.862 | 1.000 | 0.960 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.882 | 1.000 | 0.950 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.902 | 1.000 | 0.940 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.921 | 1.000 | 0.930 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.941 | 1.000 | 0.920 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.961 | 1.000 | 0.910 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.980 | 1.000 | 0.900 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 1.000 | 1.000 | 0.890 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.428 | 1.000 | 1.000 | 0.880 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.448 | 1.000 | 1.000 | 0.870 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.468 | 1.000 | 1.000 | 0.860 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.488 | 1.000 | 1.000 | 0.850 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.507 | 1.000 | 1.000 | 0.840 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.527 | 1.000 | 1.000 | 0.830 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.547 | 1.000 | 1.000 | 0.820 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.566 | 1.000 | 1.000 | 0.810 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.586 | 1.000 | 1.000 | 0.800 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.606 | 1.000 | 1.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.626 | 1.000 | 1.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.645 | 1.000 | 1.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.665 | 1.000 | 1.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.685 | 1.000 | 1.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.704 | 1.000 | 1.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.724 | 1.000 | 1.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.744 | 1.000 | 1.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.764 | 1.000 | 1.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.783 | 1.000 | 1.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.803 | 1.000 | 0.990 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.823 | 1.000 | 0.980 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.409 | 0.842 | 1.000 | 0.970 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.409 | | 1.000 | | 0.000 |

ET calculations for Sheet O: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Bermuda Grass-8a)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | 0.24 | 0.36 | 0.29 | 0.25 | 0.17 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.08 | 0.22 | 0.27 | 0.36 | 0.24 | 0.25 | 0.18 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.08 | 0.18 | 0.26 | 0.35 | 0.27 | 0.22 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.07 | 0.18 | 0.25 | 0.32 | 0.29 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.08 | 0.21 | 0.23 | 0.28 | 0.29 | 0.23 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.09 | 0.21 | 0.28 | 0.31 | 0.29 | 0.22 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.08 | 0.24 | 0.34 | 0.16 | 0.28 | 0.22 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.09 | 0.31 | 0.31 | 0.13 | 0.27 | 0.23 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.09 | 0.25 | 0.28 | 0.23 | 0.27 | 0.15 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.22 | 0.26 | 0.28 | 0.28 | 0.22 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.09 | 0.23 | 0.25 | 0.25 | 0.25 | 0.23 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.06 | 0.28 | 0.26 | 0.18 | 0.23 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.07 | 0.31 | 0.26 | 0.17 | 0.26 | 0.22 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.10 | 0.26 | 0.27 | 0.23 | 0.26 | 0.23 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.11 | 0.24 | 0.30 | 0.27 | 0.26 | 0.23 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.10 | 0.23 | 0.29 | 0.24 | 0.23 | 0.24 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.10 | 0.22 | 0.28 | 0.29 | 0.25 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.10 | 0.25 | 0.27 | 0.24 | 0.22 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.12 | 0.26 | 0.27 | 0.28 | 0.19 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.13 | 0.26 | 0.28 | 0.28 | 0.23 | 0.19 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.14 | 0.26 | 0.32 | 0.28 | 0.23 | 0.12 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.14 | 0.22 | 0.27 | 0.28 | 0.24 | 0.12 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.10 | 0.21 | 0.29 | 0.31 | 0.19 | 0.12 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.09 | 0.21 | 0.32 | 0.30 | 0.22 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.11 | 0.22 | 0.32 | 0.29 | 0.23 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.15 | 0.26 | 0.32 | 0.28 | 0.25 | 0.18 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.19 | 0.27 | 0.29 | 0.17 | 0.25 | 0.20 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.19 | 0.29 | 0.31 | 0.16 | 0.21 | 0.22 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.11 | 0.34 | 0.31 | 0.18 | 0.20 | 0.18 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.08 | 0.31 | 0.33 | 0.26 | 0.23 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.30 | | 0.28 | 0.25 | | 0.00 | | 0.00 | |

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.448 | 0.674 | 0.858 | 0.858 | 0.855 | 0.832 | 0.808 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.448 | 0.694 | 0.858 | 0.858 | 0.855 | 0.831 | 0.808 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.448 | 0.714 | 0.858 | 0.858 | 0.854 | 0.830 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.448 | 0.735 | 0.858 | 0.858 | 0.853 | 0.829 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.448 | 0.755 | 0.858 | 0.858 | 0.852 | 0.828 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.448 | 0.776 | 0.858 | 0.858 | 0.852 | 0.828 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.448 | 0.796 | 0.858 | 0.858 | 0.851 | 0.827 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.448 | 0.817 | 0.858 | 0.858 | 0.850 | 0.826 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.448 | 0.837 | 0.858 | 0.858 | 0.849 | 0.825 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.848 | 0.825 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.848 | 0.824 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.847 | 0.823 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.846 | 0.822 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.845 | 0.822 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.845 | 0.821 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.844 | 0.820 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.843 | 0.819 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.842 | 0.818 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.842 | 0.818 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.448 | 0.858 | 0.858 | 0.858 | 0.841 | 0.817 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.469 | 0.858 | 0.858 | 0.858 | 0.840 | 0.816 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.489 | 0.858 | 0.858 | 0.858 | 0.839 | 0.815 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.510 | 0.858 | 0.858 | 0.858 | 0.838 | 0.815 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.530 | 0.858 | 0.858 | 0.858 | 0.838 | 0.814 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.551 | 0.858 | 0.858 | 0.858 | 0.837 | 0.813 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.571 | 0.858 | 0.858 | 0.858 | 0.836 | 0.812 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.592 | 0.858 | 0.858 | 0.858 | 0.835 | 0.812 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.612 | 0.858 | 0.858 | 0.858 | 0.835 | 0.811 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.633 | 0.858 | 0.858 | 0.858 | 0.834 | 0.810 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.653 | 0.858 | 0.858 | 0.857 | 0.833 | 0.809 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.858 | | 0.856 | 0.832 | | 0.000 | | 0.000 |

ET calculations for Sheet P: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Bermuda Grass overseeded with rye grass in winter-8b)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.14 | 0.10 | 0.15 | 0.06 | 0.13 | 0.24 | 0.36 | 0.29 | 0.25 | 0.17 | 0.09 | 0.11 | |
| 2 | 0.11 | 0.11 | 0.15 | 0.08 | 0.22 | 0.27 | 0.36 | 0.24 | 0.25 | 0.18 | 0.11 | 0.09 | |
| 3 | 0.11 | 0.09 | 0.18 | 0.08 | 0.18 | 0.26 | 0.35 | 0.27 | 0.22 | 0.00 | 0.11 | 0.16 | |
| 4 | 0.08 | -0.01 | 0.14 | 0.07 | 0.18 | 0.25 | 0.32 | 0.29 | 0.21 | 0.08 | 0.10 | 0.10 | |
| 5 | 0.08 | -0.03 | 0.12 | 0.08 | 0.21 | 0.23 | 0.28 | 0.29 | 0.23 | 0.09 | 0.11 | 0.07 | |
| 6 | 0.08 | 0.06 | 0.15 | 0.09 | 0.21 | 0.28 | 0.31 | 0.29 | 0.22 | 0.12 | 0.10 | 0.07 | |
| 7 | 0.09 | 0.07 | 0.13 | 0.08 | 0.24 | 0.34 | 0.16 | 0.28 | 0.22 | 0.11 | 0.10 | 0.10 | |
| 8 | 0.13 | 0.08 | 0.12 | 0.09 | 0.31 | 0.31 | 0.13 | 0.27 | 0.23 | 0.08 | 0.09 | 0.14 | |
| 9 | 0.09 | 0.12 | 0.15 | 0.09 | 0.25 | 0.28 | 0.23 | 0.27 | 0.15 | 0.09 | 0.10 | 0.06 | |
| 10 | 0.07 | 0.15 | 0.13 | 0.08 | 0.22 | 0.26 | 0.28 | 0.28 | 0.22 | 0.09 | 0.10 | 0.08 | |
| 11 | 0.08 | 0.12 | 0.15 | 0.09 | 0.23 | 0.25 | 0.25 | 0.25 | 0.23 | 0.08 | 0.10 | 0.18 | |
| 12 | 0.09 | 0.13 | 0.18 | 0.06 | 0.28 | 0.26 | 0.18 | 0.23 | 0.21 | 0.09 | 0.12 | 0.08 | |
| 13 | 0.09 | 0.12 | 0.13 | 0.07 | 0.31 | 0.26 | 0.17 | 0.26 | 0.22 | 0.08 | 0.12 | 0.09 | |
| 14 | 0.10 | 0.12 | 0.15 | 0.10 | 0.26 | 0.27 | 0.23 | 0.26 | 0.23 | 0.09 | 0.10 | 0.11 | |
| 15 | 0.08 | 0.12 | 0.17 | 0.11 | 0.24 | 0.30 | 0.27 | 0.26 | 0.23 | 0.09 | 0.10 | 0.08 | |
| 16 | 0.08 | 0.08 | 0.13 | 0.10 | 0.23 | 0.29 | 0.24 | 0.23 | 0.24 | 0.15 | 0.10 | 0.08 | |
| 17 | 0.08 | 0.09 | 0.13 | 0.10 | 0.22 | 0.28 | 0.29 | 0.25 | 0.21 | 0.14 | 0.11 | 0.08 | |
| 18 | 0.08 | 0.08 | 0.13 | 0.10 | 0.25 | 0.27 | 0.24 | 0.22 | 0.21 | 0.08 | 0.09 | 0.07 | |
| 19 | 0.08 | 0.12 | 0.14 | 0.12 | 0.26 | 0.27 | 0.28 | 0.19 | 0.21 | 0.10 | 0.08 | 0.15 | |
| 20 | 0.12 | 0.12 | 0.20 | 0.13 | 0.26 | 0.28 | 0.28 | 0.23 | 0.19 | 0.11 | 0.08 | 0.13 | |
| 21 | 0.14 | 0.11 | 0.15 | 0.14 | 0.26 | 0.32 | 0.28 | 0.23 | 0.12 | 0.10 | 0.14 | 0.11 | |
| 22 | 0.09 | 0.17 | 0.15 | 0.14 | 0.22 | 0.27 | 0.28 | 0.24 | 0.12 | 0.10 | 0.16 | 0.14 | |
| 23 | 0.09 | 0.08 | 0.17 | 0.10 | 0.21 | 0.29 | 0.31 | 0.19 | 0.12 | 0.10 | 0.09 | 0.11 | |
| 24 | 0.07 | 0.11 | 0.15 | 0.09 | 0.21 | 0.32 | 0.30 | 0.22 | 0.16 | 0.09 | 0.11 | 0.10 | |
| 25 | 0.08 | 0.16 | 0.13 | 0.11 | 0.22 | 0.32 | 0.29 | 0.23 | 0.16 | 0.10 | 0.08 | 0.08 | |
| 26 | 0.10 | 0.13 | 0.16 | 0.15 | 0.26 | 0.32 | 0.28 | 0.25 | 0.18 | 0.10 | 0.08 | 0.09 | |
| 27 | 0.07 | 0.11 | 0.16 | 0.19 | 0.27 | 0.29 | 0.17 | 0.25 | 0.20 | 0.10 | 0.08 | 0.08 | |
| 28 | 0.13 | 0.12 | 0.16 | 0.19 | 0.29 | 0.31 | 0.16 | 0.21 | 0.22 | 0.11 | 0.09 | 0.07 | |
| 29 | 0.09 | | 0.17 | 0.11 | 0.34 | 0.31 | 0.18 | 0.20 | 0.18 | 0.19 | 0.07 | 0.06 | |
| 30 | 0.09 | | 0.00 | 0.08 | 0.31 | 0.33 | 0.26 | 0.23 | 0.17 | 0.12 | 0.07 | 0.07 | |
| 31 | 0.12 | | 0.00 | | 0.30 | | 0.28 | 0.25 | | 0.12 | | 0.09 | |

(Daily Kc values)
Bermuda w/ rye

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.909 | 0.896 | 0.853 | 0.448 | 0.674 | 0.858 | 0.858 | 0.855 | 0.832 | 0.808 | 0.792 | 0.909 |
| 2 | 0.909 | 0.895 | 0.852 | 0.448 | 0.694 | 0.858 | 0.858 | 0.855 | 0.831 | 0.808 | 0.811 | 0.909 |
| 3 | 0.909 | 0.893 | 0.850 | 0.448 | 0.714 | 0.858 | 0.858 | 0.854 | 0.830 | 0.000 | 0.831 | 0.909 |
| 4 | 0.909 | 0.892 | 0.849 | 0.448 | 0.735 | 0.858 | 0.858 | 0.853 | 0.829 | 0.423 | 0.850 | 0.909 |
| 5 | 0.909 | 0.890 | 0.847 | 0.448 | 0.755 | 0.858 | 0.858 | 0.852 | 0.828 | 0.423 | 0.870 | 0.909 |
| 6 | 0.909 | 0.889 | 0.846 | 0.448 | 0.776 | 0.858 | 0.858 | 0.852 | 0.828 | 0.423 | 0.889 | 0.909 |
| 7 | 0.909 | 0.887 | 0.844 | 0.448 | 0.796 | 0.858 | 0.858 | 0.851 | 0.827 | 0.423 | 0.909 | 0.909 |
| 8 | 0.909 | 0.886 | 0.842 | 0.448 | 0.817 | 0.858 | 0.858 | 0.850 | 0.826 | 0.423 | 0.909 | 0.909 |
| 9 | 0.909 | 0.884 | 0.841 | 0.448 | 0.837 | 0.858 | 0.858 | 0.849 | 0.825 | 0.423 | 0.909 | 0.909 |
| 10 | 0.909 | 0.882 | 0.839 | 0.448 | 0.858 | 0.858 | 0.858 | 0.848 | 0.825 | 0.423 | 0.909 | 0.909 |
| 11 | 0.909 | 0.881 | 0.838 | 0.448 | 0.858 | 0.858 | 0.858 | 0.848 | 0.824 | 0.423 | 0.909 | 0.909 |
| 12 | 0.909 | 0.879 | 0.836 | 0.448 | 0.858 | 0.858 | 0.858 | 0.847 | 0.823 | 0.423 | 0.909 | 0.909 |
| 13 | 0.909 | 0.878 | 0.835 | 0.448 | 0.858 | 0.858 | 0.858 | 0.846 | 0.822 | 0.423 | 0.909 | 0.909 |
| 14 | 0.909 | 0.876 | 0.833 | 0.448 | 0.858 | 0.858 | 0.858 | 0.845 | 0.822 | 0.442 | 0.909 | 0.909 |
| 15 | 0.909 | 0.875 | 0.832 | 0.448 | 0.858 | 0.858 | 0.858 | 0.845 | 0.821 | 0.462 | 0.909 | 0.909 |
| 16 | 0.909 | 0.873 | 0.830 | 0.448 | 0.858 | 0.858 | 0.858 | 0.844 | 0.820 | 0.481 | 0.909 | 0.909 |
| 17 | 0.909 | 0.872 | 0.829 | 0.448 | 0.858 | 0.858 | 0.858 | 0.843 | 0.819 | 0.501 | 0.909 | 0.909 |
| 18 | 0.909 | 0.870 | 0.827 | 0.448 | 0.858 | 0.858 | 0.858 | 0.842 | 0.818 | 0.520 | 0.909 | 0.909 |
| 19 | 0.909 | 0.869 | 0.826 | 0.448 | 0.858 | 0.858 | 0.858 | 0.842 | 0.818 | 0.539 | 0.909 | 0.909 |
| 20 | 0.909 | 0.867 | 0.824 | 0.448 | 0.858 | 0.858 | 0.858 | 0.841 | 0.817 | 0.559 | 0.909 | 0.909 |
| 21 | 0.909 | 0.866 | 0.822 | 0.469 | 0.858 | 0.858 | 0.858 | 0.840 | 0.816 | 0.578 | 0.909 | 0.909 |
| 22 | 0.909 | 0.864 | 0.821 | 0.489 | 0.858 | 0.858 | 0.858 | 0.839 | 0.815 | 0.598 | 0.909 | 0.909 |
| 23 | 0.909 | 0.862 | 0.819 | 0.510 | 0.858 | 0.858 | 0.858 | 0.838 | 0.815 | 0.617 | 0.909 | 0.909 |
| 24 | 0.909 | 0.861 | 0.818 | 0.530 | 0.858 | 0.858 | 0.858 | 0.838 | 0.814 | 0.637 | 0.909 | 0.909 |
| 25 | 0.907 | 0.859 | 0.816 | 0.551 | 0.858 | 0.858 | 0.858 | 0.837 | 0.813 | 0.656 | 0.909 | 0.909 |
| 26 | 0.906 | 0.858 | 0.815 | 0.571 | 0.858 | 0.858 | 0.858 | 0.836 | 0.812 | 0.675 | 0.909 | 0.909 |
| 27 | 0.904 | 0.856 | 0.813 | 0.592 | 0.858 | 0.858 | 0.858 | 0.835 | 0.812 | 0.695 | 0.909 | 0.909 |
| 28 | 0.902 | 0.855 | 0.812 | 0.612 | 0.858 | 0.858 | 0.858 | 0.835 | 0.811 | 0.714 | 0.909 | 0.909 |
| 29 | 0.901 | | 0.810 | 0.633 | 0.858 | 0.858 | 0.858 | 0.834 | 0.810 | 0.734 | 0.909 | 0.909 |
| 30 | 0.899 | | 0.000 | 0.653 | 0.858 | 0.858 | 0.857 | 0.833 | 0.809 | 0.753 | 0.909 | 0.909 |
| 31 | 0.898 | | 0.000 | | 0.858 | | 0.856 | 0.832 | | 0.773 | | 0.909 |

ET calculations for Sheet Q: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Citrus-9a young, 1 to 2 meter size)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Citrus- young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.06 | 0.05 | 0.07 | 0.05 | 0.07 | 0.09 | 0.14 | 0.12 | 0.10 | 0.07 | 0.04 | 0.05 | |
| 2 | 0.05 | 0.05 | 0.07 | 0.07 | 0.12 | 0.11 | 0.14 | 0.10 | 0.10 | 0.08 | 0.05 | 0.04 | |
| 3 | 0.05 | 0.04 | 0.08 | 0.07 | 0.09 | 0.10 | 0.14 | 0.11 | 0.09 | 0.07 | 0.05 | 0.07 | |
| 4 | 0.04 | -0.04 | 0.06 | 0.06 | 0.09 | 0.10 | 0.13 | 0.12 | 0.09 | 0.07 | 0.05 | 0.05 | |
| 5 | 0.04 | -0.06 | 0.06 | 0.07 | 0.10 | 0.09 | 0.11 | 0.12 | 0.10 | 0.08 | 0.05 | 0.03 | |
| 6 | 0.04 | 0.03 | 0.07 | 0.07 | 0.10 | 0.11 | 0.12 | 0.11 | 0.09 | 0.10 | 0.04 | 0.03 | |
| 7 | 0.04 | 0.03 | 0.06 | 0.07 | 0.11 | 0.13 | 0.06 | 0.11 | 0.09 | 0.10 | 0.04 | 0.05 | |
| 8 | 0.06 | 0.03 | 0.05 | 0.07 | 0.13 | 0.12 | 0.05 | 0.11 | 0.10 | 0.07 | 0.04 | 0.07 | |
| 9 | 0.04 | 0.05 | 0.07 | 0.08 | 0.11 | 0.11 | 0.09 | 0.11 | 0.06 | 0.07 | 0.04 | 0.03 | |
| 10 | 0.03 | 0.07 | 0.06 | 0.07 | 0.09 | 0.10 | 0.11 | 0.11 | 0.09 | 0.08 | 0.04 | 0.04 | |
| 11 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.07 | 0.05 | 0.08 | |
| 12 | 0.04 | 0.06 | 0.08 | 0.05 | 0.11 | 0.10 | 0.07 | 0.09 | 0.09 | 0.08 | 0.05 | 0.03 | |
| 13 | 0.04 | 0.05 | 0.06 | 0.06 | 0.13 | 0.10 | 0.07 | 0.10 | 0.09 | 0.07 | 0.05 | 0.04 | |
| 14 | 0.04 | 0.06 | 0.07 | 0.08 | 0.11 | 0.11 | 0.09 | 0.10 | 0.10 | 0.07 | 0.05 | 0.05 | |
| 15 | 0.04 | 0.06 | 0.08 | 0.09 | 0.10 | 0.12 | 0.11 | 0.10 | 0.10 | 0.07 | 0.04 | 0.04 | |
| 16 | 0.04 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.09 | 0.09 | 0.10 | 0.12 | 0.04 | 0.04 | |
| 17 | 0.04 | 0.04 | 0.06 | 0.08 | 0.09 | 0.11 | 0.12 | 0.10 | 0.09 | 0.11 | 0.05 | 0.04 | |
| 18 | 0.04 | 0.04 | 0.06 | 0.09 | 0.10 | 0.11 | 0.10 | 0.09 | 0.09 | 0.06 | 0.04 | 0.03 | |
| 19 | 0.04 | 0.05 | 0.07 | 0.10 | 0.11 | 0.11 | 0.11 | 0.08 | 0.09 | 0.07 | 0.04 | 0.07 | |
| 20 | 0.06 | 0.06 | 0.09 | 0.10 | 0.10 | 0.11 | 0.11 | 0.09 | 0.08 | 0.07 | 0.04 | 0.06 | |
| 21 | 0.06 | 0.05 | 0.07 | 0.11 | 0.11 | 0.13 | 0.11 | 0.09 | 0.05 | 0.06 | 0.06 | 0.05 | |
| 22 | 0.04 | 0.08 | 0.07 | 0.10 | 0.09 | 0.11 | 0.11 | 0.10 | 0.05 | 0.06 | 0.07 | 0.07 | |
| 23 | 0.04 | 0.01 | 0.08 | 0.07 | 0.09 | 0.11 | 0.12 | 0.08 | 0.05 | 0.06 | 0.04 | 0.05 | |
| 24 | 0.03 | 0.05 | 0.07 | 0.07 | 0.08 | 0.13 | 0.12 | 0.09 | 0.07 | 0.06 | 0.05 | 0.05 | |
| 25 | 0.03 | 0.07 | 0.06 | 0.07 | 0.09 | 0.13 | 0.12 | 0.10 | 0.07 | 0.06 | 0.04 | 0.04 | |
| 26 | 0.05 | 0.06 | 0.08 | 0.10 | 0.10 | 0.13 | 0.11 | 0.10 | 0.08 | 0.06 | 0.04 | 0.04 | |
| 27 | 0.03 | 0.05 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 | 0.10 | 0.09 | 0.05 | 0.03 | 0.04 | |
| 28 | 0.06 | 0.06 | 0.07 | 0.11 | 0.12 | 0.12 | 0.06 | 0.09 | 0.10 | 0.06 | 0.04 | 0.03 | |
| 29 | 0.04 | | 0.08 | 0.06 | 0.14 | 0.12 | 0.07 | 0.08 | 0.08 | 0.10 | 0.03 | 0.03 | |
| 30 | 0.04 | | 0.12 | 0.04 | 0.13 | 0.13 | 0.10 | 0.09 | 0.07 | 0.06 | 0.03 | 0.03 | |
| 31 | 0.05 | | 0.10 | | 0.12 | | 0.11 | 0.10 | | 0.06 | | 0.04 | |

(Daily Kc values)
Citrus- young

Sheet Q: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.425 | 0.409 | 0.393 | 0.376 | 0.360 | 0.342 | 0.342 | 0.342 | 0.342 | 0.362 | 0.388 | 0.413 |
| 2 | 0.425 | 0.408 | 0.393 | 0.376 | 0.359 | 0.342 | 0.342 | 0.342 | 0.342 | 0.363 | 0.389 | 0.414 |
| 3 | 0.424 | 0.407 | 0.392 | 0.375 | 0.359 | 0.342 | 0.342 | 0.342 | 0.342 | 0.364 | 0.390 | 0.415 |
| 4 | 0.424 | 0.407 | 0.392 | 0.375 | 0.358 | 0.342 | 0.342 | 0.342 | 0.342 | 0.365 | 0.391 | 0.416 |
| 5 | 0.423 | 0.406 | 0.391 | 0.374 | 0.358 | 0.342 | 0.342 | 0.342 | 0.342 | 0.366 | 0.392 | 0.417 |
| 6 | 0.423 | 0.406 | 0.391 | 0.374 | 0.357 | 0.342 | 0.342 | 0.342 | 0.342 | 0.366 | 0.392 | 0.418 |
| 7 | 0.422 | 0.405 | 0.390 | 0.373 | 0.357 | 0.342 | 0.342 | 0.342 | 0.342 | 0.367 | 0.393 | 0.418 |
| 8 | 0.422 | 0.405 | 0.389 | 0.373 | 0.356 | 0.342 | 0.342 | 0.342 | 0.343 | 0.368 | 0.394 | 0.419 |
| 9 | 0.421 | 0.404 | 0.389 | 0.372 | 0.356 | 0.342 | 0.342 | 0.342 | 0.344 | 0.369 | 0.395 | 0.420 |
| 10 | 0.421 | 0.404 | 0.388 | 0.371 | 0.355 | 0.342 | 0.342 | 0.342 | 0.345 | 0.370 | 0.396 | 0.421 |
| 11 | 0.420 | 0.403 | 0.388 | 0.371 | 0.355 | 0.342 | 0.342 | 0.342 | 0.345 | 0.371 | 0.397 | 0.422 |
| 12 | 0.419 | 0.403 | 0.387 | 0.370 | 0.354 | 0.342 | 0.342 | 0.342 | 0.346 | 0.371 | 0.397 | 0.423 |
| 13 | 0.419 | 0.402 | 0.387 | 0.370 | 0.353 | 0.342 | 0.342 | 0.342 | 0.347 | 0.372 | 0.398 | 0.423 |
| 14 | 0.418 | 0.401 | 0.386 | 0.369 | 0.353 | 0.342 | 0.342 | 0.342 | 0.348 | 0.373 | 0.399 | 0.424 |
| 15 | 0.418 | 0.401 | 0.386 | 0.369 | 0.352 | 0.342 | 0.342 | 0.342 | 0.349 | 0.374 | 0.400 | 0.425 |
| 16 | 0.417 | 0.400 | 0.385 | 0.368 | 0.352 | 0.342 | 0.342 | 0.342 | 0.350 | 0.375 | 0.401 | 0.426 |
| 17 | 0.417 | 0.400 | 0.385 | 0.368 | 0.351 | 0.342 | 0.342 | 0.342 | 0.350 | 0.376 | 0.402 | 0.427 |
| 18 | 0.416 | 0.399 | 0.384 | 0.367 | 0.351 | 0.342 | 0.342 | 0.342 | 0.351 | 0.376 | 0.402 | 0.428 |
| 19 | 0.416 | 0.399 | 0.383 | 0.367 | 0.350 | 0.342 | 0.342 | 0.342 | 0.352 | 0.377 | 0.403 | 0.429 |
| 20 | 0.415 | 0.398 | 0.383 | 0.366 | 0.350 | 0.342 | 0.342 | 0.342 | 0.353 | 0.378 | 0.404 | 0.429 |
| 21 | 0.415 | 0.398 | 0.382 | 0.365 | 0.349 | 0.342 | 0.342 | 0.342 | 0.354 | 0.379 | 0.405 | 0.430 |
| 22 | 0.414 | 0.397 | 0.382 | 0.365 | 0.349 | 0.342 | 0.342 | 0.342 | 0.355 | 0.380 | 0.406 | 0.431 |
| 23 | 0.413 | 0.397 | 0.381 | 0.364 | 0.348 | 0.342 | 0.342 | 0.342 | 0.355 | 0.381 | 0.407 | 0.432 |
| 24 | 0.413 | 0.396 | 0.381 | 0.364 | 0.347 | 0.342 | 0.342 | 0.342 | 0.356 | 0.381 | 0.408 | 0.433 |
| 25 | 0.412 | 0.395 | 0.380 | 0.363 | 0.347 | 0.342 | 0.342 | 0.342 | 0.357 | 0.382 | 0.408 | 0.434 |
| 26 | 0.412 | 0.395 | 0.380 | 0.363 | 0.346 | 0.342 | 0.342 | 0.342 | 0.358 | 0.383 | 0.409 | 0.434 |
| 27 | 0.411 | 0.394 | 0.379 | 0.362 | 0.346 | 0.342 | 0.342 | 0.342 | 0.359 | 0.384 | 0.410 | 0.435 |
| 28 | 0.411 | 0.394 | 0.379 | 0.362 | 0.345 | 0.342 | 0.342 | 0.342 | 0.360 | 0.385 | 0.411 | 0.436 |
| 29 | 0.410 | | 0.378 | 0.361 | 0.345 | 0.342 | 0.342 | 0.342 | 0.360 | 0.386 | 0.412 | 0.437 |
| 30 | 0.410 | | 0.377 | 0.361 | 0.344 | 0.342 | 0.342 | 0.342 | 0.361 | 0.387 | 0.413 | 0.438 |
| 31 | 0.409 | | 0.377 | | 0.342 | | 0.342 | 0.342 | | 0.387 | | 0.439 |

ET calculations for
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(Sheet to calculate ET for Citrus-9b mature, 3+ meter size)

Sheet R: Page 1 of 2

1999 CROP ET

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Citrus- mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.11 | 0.08 | 0.11 | 0.08 | 0.12 | 0.16 | 0.24 | 0.19 | 0.17 | 0.12 | 0.07 | 0.08 | |
| 2 | 0.08 | 0.08 | 0.11 | 0.11 | 0.19 | 0.18 | 0.24 | 0.16 | 0.17 | 0.14 | 0.08 | 0.07 | |
| 3 | 0.09 | 0.07 | 0.14 | 0.12 | 0.15 | 0.17 | 0.23 | 0.18 | 0.15 | 0.12 | 0.08 | 0.12 | |
| 4 | 0.06 | -0.02 | 0.11 | 0.10 | 0.15 | 0.17 | 0.21 | 0.19 | 0.15 | 0.12 | 0.08 | 0.08 | |
| 5 | 0.06 | -0.05 | 0.09 | 0.11 | 0.16 | 0.15 | 0.19 | 0.20 | 0.16 | 0.13 | 0.08 | 0.06 | |
| 6 | 0.06 | 0.05 | 0.12 | 0.12 | 0.16 | 0.19 | 0.20 | 0.19 | 0.15 | 0.17 | 0.07 | 0.06 | |
| 7 | 0.07 | 0.06 | 0.10 | 0.12 | 0.18 | 0.22 | 0.11 | 0.19 | 0.15 | 0.16 | 0.07 | 0.08 | |
| 8 | 0.10 | 0.06 | 0.09 | 0.12 | 0.22 | 0.21 | 0.09 | 0.18 | 0.16 | 0.12 | 0.07 | 0.11 | |
| 9 | 0.07 | 0.09 | 0.11 | 0.13 | 0.18 | 0.19 | 0.15 | 0.18 | 0.11 | 0.12 | 0.07 | 0.05 | |
| 10 | 0.05 | 0.11 | 0.10 | 0.12 | 0.15 | 0.17 | 0.18 | 0.19 | 0.15 | 0.13 | 0.07 | 0.06 | |
| 11 | 0.06 | 0.09 | 0.11 | 0.13 | 0.16 | 0.17 | 0.16 | 0.16 | 0.16 | 0.12 | 0.08 | 0.14 | |
| 12 | 0.07 | 0.10 | 0.14 | 0.08 | 0.19 | 0.17 | 0.12 | 0.16 | 0.15 | 0.13 | 0.09 | 0.06 | |
| 13 | 0.07 | 0.09 | 0.10 | 0.09 | 0.21 | 0.17 | 0.11 | 0.17 | 0.15 | 0.11 | 0.09 | 0.07 | |
| 14 | 0.07 | 0.09 | 0.11 | 0.14 | 0.18 | 0.18 | 0.15 | 0.17 | 0.16 | 0.12 | 0.08 | 0.08 | |
| 15 | 0.06 | 0.09 | 0.13 | 0.15 | 0.16 | 0.20 | 0.18 | 0.17 | 0.16 | 0.12 | 0.07 | 0.06 | |
| 16 | 0.06 | 0.06 | 0.10 | 0.14 | 0.16 | 0.19 | 0.16 | 0.15 | 0.17 | 0.19 | 0.07 | 0.06 | |
| 17 | 0.06 | 0.07 | 0.10 | 0.14 | 0.15 | 0.19 | 0.19 | 0.17 | 0.15 | 0.17 | 0.08 | 0.06 | |
| 18 | 0.06 | 0.06 | 0.10 | 0.14 | 0.17 | 0.18 | 0.16 | 0.15 | 0.15 | 0.10 | 0.07 | 0.05 | |
| 19 | 0.06 | 0.09 | 0.11 | 0.16 | 0.18 | 0.18 | 0.18 | 0.13 | 0.15 | 0.11 | 0.06 | 0.12 | |
| 20 | 0.09 | 0.10 | 0.15 | 0.17 | 0.17 | 0.18 | 0.19 | 0.15 | 0.13 | 0.12 | 0.06 | 0.10 | |
| 21 | 0.11 | 0.09 | 0.12 | 0.18 | 0.18 | 0.21 | 0.18 | 0.16 | 0.09 | 0.10 | 0.10 | 0.09 | |
| 22 | 0.07 | 0.13 | 0.11 | 0.17 | 0.15 | 0.18 | 0.18 | 0.17 | 0.08 | 0.10 | 0.12 | 0.11 | |
| 23 | 0.07 | 0.05 | 0.13 | 0.12 | 0.14 | 0.19 | 0.20 | 0.13 | 0.09 | 0.10 | 0.07 | 0.09 | |
| 24 | 0.06 | 0.09 | 0.12 | 0.11 | 0.14 | 0.21 | 0.20 | 0.15 | 0.12 | 0.09 | 0.08 | 0.08 | |
| 25 | 0.06 | 0.12 | 0.10 | 0.12 | 0.15 | 0.21 | 0.19 | 0.16 | 0.12 | 0.10 | 0.06 | 0.06 | |
| 26 | 0.08 | 0.10 | 0.13 | 0.16 | 0.17 | 0.21 | 0.18 | 0.17 | 0.13 | 0.09 | 0.06 | 0.07 | |
| 27 | 0.06 | 0.09 | 0.13 | 0.19 | 0.18 | 0.19 | 0.11 | 0.17 | 0.15 | 0.09 | 0.06 | 0.06 | |
| 28 | 0.10 | 0.10 | 0.12 | 0.18 | 0.20 | 0.20 | 0.11 | 0.15 | 0.16 | 0.10 | 0.07 | 0.05 | |
| 29 | 0.07 | | 0.13 | 0.11 | 0.23 | 0.21 | 0.12 | 0.14 | 0.14 | 0.16 | 0.05 | 0.05 | |
| 30 | 0.07 | | 0.21 | 0.07 | 0.21 | 0.22 | 0.17 | 0.16 | 0.12 | 0.10 | 0.05 | 0.05 | |
| 31 | 0.09 | | 0.16 | | 0.20 | | 0.19 | 0.17 | | 0.10 | | 0.07 | |

(Daily Kc values)
Citrus- mature

Sheet R: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.709 | 0.681 | 0.655 | 0.627 | 0.600 | 0.570 | 0.570 | 0.570 | 0.570 | 0.604 | 0.647 | 0.689 |
| 2 | 0.708 | 0.680 | 0.655 | 0.626 | 0.599 | 0.570 | 0.570 | 0.570 | 0.570 | 0.605 | 0.648 | 0.690 |
| 3 | 0.707 | 0.679 | 0.654 | 0.625 | 0.598 | 0.570 | 0.570 | 0.570 | 0.570 | 0.606 | 0.650 | 0.692 |
| 4 | 0.706 | 0.678 | 0.653 | 0.625 | 0.597 | 0.570 | 0.570 | 0.570 | 0.570 | 0.608 | 0.651 | 0.693 |
| 5 | 0.705 | 0.677 | 0.652 | 0.624 | 0.596 | 0.570 | 0.570 | 0.570 | 0.570 | 0.609 | 0.653 | 0.695 |
| 6 | 0.705 | 0.676 | 0.651 | 0.623 | 0.595 | 0.570 | 0.570 | 0.570 | 0.570 | 0.611 | 0.654 | 0.696 |
| 7 | 0.704 | 0.675 | 0.650 | 0.622 | 0.595 | 0.570 | 0.570 | 0.570 | 0.570 | 0.612 | 0.655 | 0.697 |
| 8 | 0.703 | 0.675 | 0.649 | 0.621 | 0.594 | 0.570 | 0.570 | 0.570 | 0.571 | 0.613 | 0.657 | 0.699 |
| 9 | 0.702 | 0.674 | 0.648 | 0.620 | 0.593 | 0.570 | 0.570 | 0.570 | 0.573 | 0.615 | 0.658 | 0.700 |
| 10 | 0.701 | 0.673 | 0.647 | 0.619 | 0.592 | 0.570 | 0.570 | 0.570 | 0.574 | 0.616 | 0.660 | 0.702 |
| 11 | 0.700 | 0.672 | 0.646 | 0.618 | 0.591 | 0.570 | 0.570 | 0.570 | 0.576 | 0.618 | 0.661 | 0.703 |
| 12 | 0.699 | 0.671 | 0.645 | 0.617 | 0.590 | 0.570 | 0.570 | 0.570 | 0.577 | 0.619 | 0.662 | 0.704 |
| 13 | 0.698 | 0.670 | 0.645 | 0.616 | 0.589 | 0.570 | 0.570 | 0.570 | 0.578 | 0.620 | 0.664 | 0.706 |
| 14 | 0.697 | 0.669 | 0.644 | 0.615 | 0.588 | 0.570 | 0.570 | 0.570 | 0.580 | 0.622 | 0.665 | 0.707 |
| 15 | 0.696 | 0.668 | 0.643 | 0.615 | 0.587 | 0.570 | 0.570 | 0.570 | 0.581 | 0.623 | 0.667 | 0.709 |
| 16 | 0.695 | 0.667 | 0.642 | 0.614 | 0.586 | 0.570 | 0.570 | 0.570 | 0.583 | 0.625 | 0.668 | 0.710 |
| 17 | 0.695 | 0.666 | 0.641 | 0.613 | 0.585 | 0.570 | 0.570 | 0.570 | 0.584 | 0.626 | 0.669 | 0.711 |
| 18 | 0.694 | 0.665 | 0.640 | 0.612 | 0.585 | 0.570 | 0.570 | 0.570 | 0.585 | 0.627 | 0.671 | 0.713 |
| 19 | 0.693 | 0.665 | 0.639 | 0.611 | 0.584 | 0.570 | 0.570 | 0.570 | 0.587 | 0.629 | 0.672 | 0.714 |
| 20 | 0.692 | 0.664 | 0.638 | 0.610 | 0.583 | 0.570 | 0.570 | 0.570 | 0.588 | 0.630 | 0.674 | 0.716 |
| 21 | 0.691 | 0.663 | 0.637 | 0.609 | 0.582 | 0.570 | 0.570 | 0.570 | 0.590 | 0.632 | 0.675 | 0.717 |
| 22 | 0.690 | 0.662 | 0.636 | 0.608 | 0.581 | 0.570 | 0.570 | 0.570 | 0.591 | 0.633 | 0.676 | 0.718 |
| 23 | 0.689 | 0.661 | 0.635 | 0.607 | 0.580 | 0.570 | 0.570 | 0.570 | 0.592 | 0.634 | 0.678 | 0.720 |
| 24 | 0.688 | 0.660 | 0.635 | 0.606 | 0.579 | 0.570 | 0.570 | 0.570 | 0.594 | 0.636 | 0.679 | 0.721 |
| 25 | 0.687 | 0.659 | 0.634 | 0.605 | 0.578 | 0.570 | 0.570 | 0.570 | 0.595 | 0.637 | 0.681 | 0.723 |
| 26 | 0.686 | 0.658 | 0.633 | 0.605 | 0.577 | 0.570 | 0.570 | 0.570 | 0.597 | 0.639 | 0.682 | 0.724 |
| 27 | 0.685 | 0.657 | 0.632 | 0.604 | 0.576 | 0.570 | 0.570 | 0.570 | 0.598 | 0.640 | 0.683 | 0.725 |
| 28 | 0.685 | 0.656 | 0.631 | 0.603 | 0.575 | 0.570 | 0.570 | 0.570 | 0.599 | 0.641 | 0.685 | 0.727 |
| 29 | 0.684 | | 0.630 | 0.602 | 0.575 | 0.570 | 0.570 | 0.570 | 0.601 | 0.643 | 0.686 | 0.728 |
| 30 | 0.683 | | 0.629 | 0.601 | 0.574 | 0.570 | 0.570 | 0.570 | 0.602 | 0.644 | 0.688 | 0.730 |
| 31 | 0.682 | | 0.628 | | 0.570 | | 0.570 | 0.570 | | 0.646 | | 0.731 |

ET calculations for
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(Sheet to calculate ET for Citrus-9c declining)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Citrus- declining (Daily ET values after effective precipitation has been subtracted) (Reference ET X Kc - eff. precip.) | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Date | | | | | | | | | | | | | |
| 1 | 0.07 | 0.05 | 0.08 | 0.06 | 0.08 | 0.11 | 0.17 | 0.14 | 0.12 | 0.09 | 0.05 | 0.06 | |
| 2 | 0.06 | 0.06 | 0.08 | 0.08 | 0.14 | 0.12 | 0.17 | 0.11 | 0.12 | 0.10 | 0.06 | 0.05 | |
| 3 | 0.06 | 0.05 | 0.10 | 0.08 | 0.11 | 0.12 | 0.16 | 0.12 | 0.10 | 0.08 | 0.06 | 0.09 | |
| 4 | 0.04 | -0.04 | 0.07 | 0.07 | 0.10 | 0.12 | 0.15 | 0.13 | 0.10 | 0.08 | 0.06 | 0.05 | |
| 5 | 0.04 | -0.06 | 0.07 | 0.08 | 0.11 | 0.11 | 0.13 | 0.14 | 0.11 | 0.09 | 0.06 | 0.04 | |
| 6 | 0.04 | 0.03 | 0.08 | 0.09 | 0.11 | 0.13 | 0.14 | 0.13 | 0.11 | 0.12 | 0.05 | 0.04 | |
| 7 | 0.05 | 0.04 | 0.07 | 0.08 | 0.12 | 0.16 | 0.07 | 0.13 | 0.10 | 0.11 | 0.05 | 0.05 | |
| 8 | 0.07 | 0.04 | 0.06 | 0.08 | 0.16 | 0.14 | 0.06 | 0.13 | 0.11 | 0.08 | 0.05 | 0.08 | |
| 9 | 0.05 | 0.06 | 0.08 | 0.09 | 0.13 | 0.13 | 0.11 | 0.13 | 0.07 | 0.09 | 0.05 | 0.03 | |
| 10 | 0.04 | 0.08 | 0.07 | 0.08 | 0.11 | 0.12 | 0.13 | 0.13 | 0.11 | 0.09 | 0.05 | 0.04 | |
| 11 | 0.04 | 0.06 | 0.08 | 0.09 | 0.11 | 0.12 | 0.11 | 0.12 | 0.11 | 0.09 | 0.05 | 0.09 | |
| 12 | 0.05 | 0.07 | 0.10 | 0.05 | 0.13 | 0.12 | 0.08 | 0.11 | 0.10 | 0.09 | 0.06 | 0.04 | |
| 13 | 0.05 | 0.06 | 0.07 | 0.07 | 0.15 | 0.12 | 0.08 | 0.12 | 0.11 | 0.08 | 0.06 | 0.05 | |
| 14 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.13 | 0.10 | 0.12 | 0.11 | 0.09 | 0.05 | 0.06 | |
| 15 | 0.04 | 0.06 | 0.09 | 0.11 | 0.11 | 0.14 | 0.12 | 0.12 | 0.11 | 0.08 | 0.05 | 0.04 | |
| 16 | 0.04 | 0.04 | 0.07 | 0.10 | 0.11 | 0.13 | 0.11 | 0.11 | 0.12 | 0.14 | 0.05 | 0.04 | |
| 17 | 0.04 | 0.05 | 0.07 | 0.10 | 0.11 | 0.13 | 0.14 | 0.12 | 0.10 | 0.12 | 0.06 | 0.04 | |
| 18 | 0.04 | 0.04 | 0.07 | 0.10 | 0.12 | 0.12 | 0.11 | 0.10 | 0.10 | 0.07 | 0.05 | 0.04 | |
| 19 | 0.04 | 0.06 | 0.08 | 0.11 | 0.12 | 0.12 | 0.13 | 0.09 | 0.11 | 0.08 | 0.04 | 0.08 | |
| 20 | 0.07 | 0.07 | 0.11 | 0.12 | 0.12 | 0.13 | 0.13 | 0.11 | 0.09 | 0.08 | 0.04 | 0.07 | |
| 21 | 0.08 | 0.06 | 0.08 | 0.12 | 0.12 | 0.15 | 0.13 | 0.11 | 0.06 | 0.07 | 0.07 | 0.06 | |
| 22 | 0.05 | 0.09 | 0.08 | 0.12 | 0.11 | 0.13 | 0.13 | 0.12 | 0.06 | 0.07 | 0.08 | 0.08 | |
| 23 | 0.05 | 0.02 | 0.09 | 0.09 | 0.10 | 0.13 | 0.14 | 0.09 | 0.06 | 0.07 | 0.05 | 0.06 | |
| 24 | 0.04 | 0.06 | 0.08 | 0.08 | 0.10 | 0.15 | 0.14 | 0.11 | 0.08 | 0.07 | 0.06 | 0.05 | |
| 25 | 0.04 | 0.08 | 0.07 | 0.09 | 0.11 | 0.15 | 0.13 | 0.11 | 0.08 | 0.07 | 0.04 | 0.04 | |
| 26 | 0.05 | 0.07 | 0.09 | 0.11 | 0.12 | 0.15 | 0.13 | 0.12 | 0.09 | 0.07 | 0.04 | 0.05 | |
| 27 | 0.04 | 0.06 | 0.09 | 0.13 | 0.13 | 0.14 | 0.08 | 0.12 | 0.10 | 0.06 | 0.04 | 0.04 | |
| 28 | 0.07 | 0.07 | 0.09 | 0.13 | 0.14 | 0.14 | 0.07 | 0.10 | 0.12 | 0.07 | 0.05 | 0.04 | |
| 29 | 0.05 | | 0.09 | 0.08 | 0.16 | 0.15 | 0.08 | 0.09 | 0.10 | 0.11 | 0.04 | 0.04 | |
| 30 | 0.05 | | 0.15 | 0.05 | 0.15 | 0.16 | 0.12 | 0.11 | 0.09 | 0.07 | 0.04 | 0.04 | |
| 31 | 0.06 | | 0.11 | | 0.14 | | 0.13 | 0.12 | | 0.07 | | 0.05 | |

(Daily Kc values)
Citrus- declining

Sheet S: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.496 | 0.477 | 0.459 | 0.439 | 0.420 | 0.399 | 0.399 | 0.399 | 0.399 | 0.423 | 0.453 | 0.482 |
| 2 | 0.496 | 0.476 | 0.458 | 0.438 | 0.419 | 0.399 | 0.399 | 0.399 | 0.399 | 0.424 | 0.454 | 0.483 |
| 3 | 0.495 | 0.475 | 0.458 | 0.438 | 0.419 | 0.399 | 0.399 | 0.399 | 0.399 | 0.424 | 0.455 | 0.484 |
| 4 | 0.494 | 0.475 | 0.457 | 0.437 | 0.418 | 0.399 | 0.399 | 0.399 | 0.399 | 0.425 | 0.456 | 0.485 |
| 5 | 0.494 | 0.474 | 0.456 | 0.437 | 0.417 | 0.399 | 0.399 | 0.399 | 0.399 | 0.426 | 0.457 | 0.486 |
| 6 | 0.493 | 0.473 | 0.456 | 0.436 | 0.417 | 0.399 | 0.399 | 0.399 | 0.399 | 0.427 | 0.458 | 0.487 |
| 7 | 0.493 | 0.473 | 0.455 | 0.435 | 0.416 | 0.399 | 0.399 | 0.399 | 0.399 | 0.428 | 0.459 | 0.488 |
| 8 | 0.492 | 0.472 | 0.454 | 0.435 | 0.416 | 0.399 | 0.399 | 0.399 | 0.400 | 0.429 | 0.460 | 0.489 |
| 9 | 0.491 | 0.472 | 0.454 | 0.434 | 0.415 | 0.399 | 0.399 | 0.399 | 0.401 | 0.430 | 0.461 | 0.490 |
| 10 | 0.491 | 0.471 | 0.453 | 0.433 | 0.414 | 0.399 | 0.399 | 0.399 | 0.402 | 0.431 | 0.462 | 0.491 |
| 11 | 0.490 | 0.470 | 0.452 | 0.433 | 0.414 | 0.399 | 0.399 | 0.399 | 0.403 | 0.432 | 0.463 | 0.492 |
| 12 | 0.489 | 0.470 | 0.452 | 0.432 | 0.413 | 0.399 | 0.399 | 0.399 | 0.404 | 0.433 | 0.464 | 0.493 |
| 13 | 0.489 | 0.469 | 0.451 | 0.431 | 0.412 | 0.399 | 0.399 | 0.399 | 0.405 | 0.434 | 0.465 | 0.494 |
| 14 | 0.488 | 0.468 | 0.451 | 0.431 | 0.412 | 0.399 | 0.399 | 0.399 | 0.406 | 0.435 | 0.466 | 0.495 |
| 15 | 0.487 | 0.468 | 0.450 | 0.430 | 0.411 | 0.399 | 0.399 | 0.399 | 0.407 | 0.436 | 0.467 | 0.496 |
| 16 | 0.487 | 0.467 | 0.449 | 0.430 | 0.410 | 0.399 | 0.399 | 0.399 | 0.408 | 0.437 | 0.468 | 0.497 |
| 17 | 0.486 | 0.466 | 0.449 | 0.429 | 0.410 | 0.399 | 0.399 | 0.399 | 0.409 | 0.438 | 0.469 | 0.498 |
| 18 | 0.486 | 0.466 | 0.448 | 0.428 | 0.409 | 0.399 | 0.399 | 0.399 | 0.410 | 0.439 | 0.470 | 0.499 |
| 19 | 0.485 | 0.465 | 0.447 | 0.428 | 0.409 | 0.399 | 0.399 | 0.399 | 0.411 | 0.440 | 0.471 | 0.500 |
| 20 | 0.484 | 0.465 | 0.447 | 0.427 | 0.408 | 0.399 | 0.399 | 0.399 | 0.412 | 0.441 | 0.472 | 0.501 |
| 21 | 0.484 | 0.464 | 0.446 | 0.426 | 0.407 | 0.399 | 0.399 | 0.399 | 0.413 | 0.442 | 0.473 | 0.502 |
| 22 | 0.483 | 0.463 | 0.445 | 0.426 | 0.407 | 0.399 | 0.399 | 0.399 | 0.414 | 0.443 | 0.473 | 0.503 |
| 23 | 0.482 | 0.463 | 0.445 | 0.425 | 0.406 | 0.399 | 0.399 | 0.399 | 0.415 | 0.444 | 0.474 | 0.504 |
| 24 | 0.482 | 0.462 | 0.444 | 0.424 | 0.405 | 0.399 | 0.399 | 0.399 | 0.416 | 0.445 | 0.475 | 0.505 |
| 25 | 0.481 | 0.461 | 0.444 | 0.424 | 0.405 | 0.399 | 0.399 | 0.399 | 0.417 | 0.446 | 0.476 | 0.506 |
| 26 | 0.480 | 0.461 | 0.443 | 0.423 | 0.404 | 0.399 | 0.399 | 0.399 | 0.418 | 0.447 | 0.477 | 0.507 |
| 27 | 0.480 | 0.460 | 0.442 | 0.423 | 0.403 | 0.399 | 0.399 | 0.399 | 0.419 | 0.448 | 0.478 | 0.508 |
| 28 | 0.479 | 0.459 | 0.442 | 0.422 | 0.403 | 0.399 | 0.399 | 0.399 | 0.420 | 0.449 | 0.479 | 0.509 |
| 29 | 0.479 | | 0.441 | 0.421 | 0.402 | 0.399 | 0.399 | 0.399 | 0.421 | 0.450 | 0.480 | 0.510 |
| 30 | 0.478 | | 0.440 | 0.421 | 0.402 | 0.399 | 0.399 | 0.399 | 0.422 | 0.451 | 0.481 | 0.511 |
| 31 | 0.477 | | 0.440 | | 0.399 | | 0.399 | 0.399 | | 0.452 | | 0.512 |

ET calculations for Sheet T: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Tomatoes)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.06 | 0.08 | 0.14 | 0.24 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.06 | 0.08 | 0.20 | 0.39 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.05 | 0.11 | 0.21 | 0.31 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | -0.04 | 0.09 | 0.18 | 0.30 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | -0.06 | 0.08 | 0.21 | 0.33 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.03 | 0.10 | 0.24 | 0.32 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.04 | 0.09 | 0.23 | 0.36 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.04 | 0.09 | 0.23 | 0.45 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.06 | 0.11 | 0.25 | 0.37 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.08 | 0.10 | 0.22 | 0.30 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.06 | 0.12 | 0.25 | 0.33 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.07 | 0.15 | 0.15 | 0.39 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.06 | 0.11 | 0.18 | 0.43 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.07 | 0.13 | 0.28 | 0.37 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.07 | 0.15 | 0.30 | 0.33 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.05 | 0.12 | 0.27 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.05 | 0.13 | 0.27 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.05 | 0.13 | 0.28 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.07 | 0.14 | 0.31 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.07 | 0.21 | 0.34 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.06 | 0.16 | 0.35 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.10 | 0.16 | 0.34 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.03 | 0.19 | 0.25 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.06 | 0.17 | 0.22 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.09 | 0.15 | 0.24 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.08 | 0.20 | 0.33 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.06 | 0.20 | 0.38 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.07 | 0.20 | 0.36 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.22 | 0.22 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.35 | 0.15 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.28 | | 0.35 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)
Tomatoes

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.486 | 0.486 | 1.099 | 1.201 | 0.961 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.486 | 0.486 | 1.119 | 1.201 | 0.946 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.486 | 0.506 | 1.139 | 1.201 | 0.931 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.486 | 0.527 | 1.160 | 1.201 | 0.916 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.486 | 0.547 | 1.180 | 1.201 | 0.901 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.486 | 0.567 | 1.201 | 1.201 | 0.886 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.486 | 0.588 | 1.201 | 1.201 | 0.871 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.486 | 0.608 | 1.201 | 1.201 | 0.856 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.486 | 0.629 | 1.201 | 1.201 | 0.841 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.486 | 0.649 | 1.201 | 1.201 | 0.826 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.486 | 0.670 | 1.201 | 1.201 | 0.811 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.486 | 0.690 | 1.201 | 1.201 | 0.796 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.486 | 0.710 | 1.201 | 1.201 | 0.781 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.486 | 0.731 | 1.201 | 1.201 | 0.766 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.486 | 0.751 | 1.201 | 1.201 | 0.751 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.486 | 0.772 | 1.201 | 1.201 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.486 | 0.792 | 1.201 | 1.186 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.486 | 0.813 | 1.201 | 1.171 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.486 | 0.833 | 1.201 | 1.156 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.486 | 0.853 | 1.201 | 1.141 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.486 | 0.874 | 1.201 | 1.126 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.486 | 0.894 | 1.201 | 1.111 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.486 | 0.915 | 1.201 | 1.096 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.486 | 0.935 | 1.201 | 1.081 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.486 | 0.956 | 1.201 | 1.066 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.486 | 0.976 | 1.201 | 1.051 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.486 | 0.996 | 1.201 | 1.036 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.486 | 1.017 | 1.201 | 1.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 1.037 | 1.201 | 1.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 1.058 | 1.201 | 0.991 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 1.078 | | 0.976 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet U: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Sudan Grass)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|-------|-------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.30 | 0.47 | 0.38 | 0.33 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.34 | 0.47 | 0.32 | 0.33 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.34 | 0.46 | 0.35 | 0.29 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.33 | 0.42 | 0.38 | 0.28 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.30 | 0.37 | 0.39 | 0.31 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.37 | 0.40 | 0.38 | 0.29 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.44 | 0.21 | 0.37 | 0.29 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.40 | 0.17 | 0.35 | 0.30 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.37 | 0.30 | 0.35 | 0.20 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.34 | 0.36 | 0.37 | 0.28 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.33 | 0.32 | 0.32 | 0.30 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.34 | 0.23 | 0.31 | 0.28 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.33 | 0.22 | 0.34 | 0.29 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.35 | 0.30 | 0.34 | 0.30 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.07 | 0.16 | 0.39 | 0.35 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.06 | 0.17 | 0.38 | 0.31 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.06 | 0.16 | 0.37 | 0.38 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.06 | 0.19 | 0.35 | 0.32 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.07 | 0.21 | 0.35 | 0.36 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.07 | 0.22 | 0.36 | 0.37 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.08 | 0.23 | 0.42 | 0.36 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.08 | 0.20 | 0.36 | 0.36 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.05 | 0.20 | 0.38 | 0.40 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.05 | 0.20 | 0.42 | 0.40 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.05 | 0.23 | 0.42 | 0.38 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.07 | 0.27 | 0.41 | 0.36 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.08 | 0.29 | 0.38 | 0.22 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.08 | 0.32 | 0.40 | 0.21 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.05 | 0.39 | 0.41 | 0.23 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.03 | 0.37 | 0.44 | 0.34 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.37 | | 0.37 | 0.33 | | 0.00 | | 0.00 | |

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 1.066 | 1.123 | 1.123 | 1.099 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 1.094 | 1.123 | 1.123 | 1.097 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 1.123 | 1.123 | 1.123 | 1.095 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 1.123 | 1.123 | 1.123 | 1.093 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.294 | 1.123 | 1.123 | 1.123 | 1.091 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.322 | 1.123 | 1.123 | 1.123 | 1.089 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.351 | 1.123 | 1.123 | 1.123 | 1.087 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.380 | 1.123 | 1.123 | 1.123 | 1.085 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.408 | 1.123 | 1.123 | 1.123 | 1.083 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.437 | 1.123 | 1.123 | 1.123 | 1.081 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.465 | 1.123 | 1.123 | 1.123 | 1.079 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.494 | 1.123 | 1.123 | 1.123 | 1.077 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.523 | 1.123 | 1.123 | 1.123 | 1.075 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.551 | 1.123 | 1.123 | 1.123 | 1.073 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.265 | 0.580 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.265 | 0.608 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.265 | 0.637 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.265 | 0.666 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.265 | 0.694 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.265 | 0.723 | 1.123 | 1.123 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.265 | 0.751 | 1.123 | 1.123 | 1.121 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.265 | 0.780 | 1.123 | 1.123 | 1.119 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.265 | 0.809 | 1.123 | 1.123 | 1.117 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.265 | 0.837 | 1.123 | 1.123 | 1.115 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.265 | 0.866 | 1.123 | 1.123 | 1.113 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.265 | 0.894 | 1.123 | 1.123 | 1.111 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.265 | 0.923 | 1.123 | 1.123 | 1.109 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.265 | 0.951 | 1.123 | 1.123 | 1.107 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.265 | 0.980 | 1.123 | 1.123 | 1.105 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.265 | 1.009 | 1.123 | 1.123 | 1.103 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 1.037 | | 1.123 | 1.101 | | 0.000 | | 0.000 |

ET calculations for Sheet V: Page 1 of 2 1999 CROP ET

Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station

(Sheet to calculate ET for Legume & Solanum Vegetables [green beans, dry beans, garbonzo beans, peas, peanuts, fresh peppers, & potatoes])

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.16 | 0.12 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | |
| 2 | 0.13 | 0.13 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 3 | 0.13 | 0.11 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.14 | |
| 4 | 0.09 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | |
| 5 | 0.09 | -0.02 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 6 | 0.09 | 0.07 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | |
| 7 | 0.10 | 0.09 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.09 | |
| 8 | 0.15 | 0.09 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.14 | |
| 9 | 0.11 | 0.14 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | |
| 10 | 0.08 | 0.18 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | |
| 11 | 0.09 | 0.14 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.18 | |
| 12 | 0.10 | 0.15 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | |
| 13 | 0.10 | 0.14 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | |
| 14 | 0.11 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.12 | |
| 15 | 0.09 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.09 | |
| 16 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.05 | 0.08 | |
| 17 | 0.09 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.06 | 0.09 | |
| 18 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.08 | |
| 19 | 0.09 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.17 | |
| 20 | 0.14 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.15 | |
| 21 | 0.17 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.13 | |
| 22 | 0.11 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | 0.17 | |
| 23 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.13 | |
| 24 | 0.09 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.11 | |
| 25 | 0.10 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.09 | |
| 26 | 0.12 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.10 | |
| 27 | 0.09 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | 0.09 | |
| 28 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.08 | |
| 29 | 0.10 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.06 | 0.07 | |
| 30 | 0.10 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.08 | |
| 31 | 0.14 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.05 | | 0.10 | |

(Daily Kc values)*

Sheet V: Page 2 of 2

1999 CROP ET

Legume/Solanum Veg

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 1.063 | 1.063 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.743 |
| 2 | 1.063 | 1.063 | 1.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.762 |
| 3 | 1.063 | 1.063 | 1.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.781 |
| 4 | 1.063 | 1.063 | 0.999 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.800 |
| 5 | 1.063 | 1.063 | 0.995 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.819 |
| 6 | 1.063 | 1.063 | 0.991 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.838 |
| 7 | 1.063 | 1.063 | 0.987 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.856 |
| 8 | 1.063 | 1.063 | 0.983 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.875 |
| 9 | 1.063 | 1.063 | 0.979 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.330 | 0.894 |
| 10 | 1.063 | 1.063 | 0.975 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.348 | 0.913 |
| 11 | 1.063 | 1.063 | 0.971 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.367 | 0.932 |
| 12 | 1.063 | 1.063 | 0.967 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.386 | 0.950 |
| 13 | 1.063 | 1.063 | 0.963 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.969 |
| 14 | 1.063 | 1.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.424 | 0.988 |
| 15 | 1.063 | 1.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.442 | 1.007 |
| 16 | 1.063 | 1.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.461 | 1.026 |
| 17 | 1.063 | 1.059 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.480 | 1.045 |
| 18 | 1.063 | 1.055 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.499 | 1.063 |
| 19 | 1.063 | 1.051 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.518 | 1.063 |
| 20 | 1.063 | 1.047 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.537 | 1.063 |
| 21 | 1.063 | 1.043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.555 | 1.063 |
| 22 | 1.063 | 1.039 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.574 | 1.063 |
| 23 | 1.063 | 1.035 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.593 | 1.063 |
| 24 | 1.063 | 1.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.612 | 1.063 |
| 25 | 1.063 | 1.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.631 | 1.063 |
| 26 | 1.063 | 1.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.649 | 1.063 |
| 27 | 1.063 | 1.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.668 | 1.063 |
| 28 | 1.063 | 1.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.687 | 1.063 |
| 29 | 1.063 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.706 | 1.063 |
| 30 | 1.063 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.725 | 1.063 |
| 31 | 1.063 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 0.311 | | 1.063 |

* - Kc values are for Legume Vegetables. Solanum crops (fresh peppers & potatoes) were added to this group to minimize the total number of crop groups, and their total water usage/growing seasons are similar.

ET calculations for Sheet W: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Crucifers [broccoli, cauliflower, cabbage, bok-choy, mustard, kale, & okra])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.06 | 0.08 | 0.12 | |
| 2 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.06 | 0.09 | 0.10 | |
| 3 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.05 | 0.09 | 0.18 | |
| 4 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.05 | 0.09 | 0.11 | |
| 5 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.06 | 0.09 | 0.08 | |
| 6 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.08 | 0.08 | |
| 7 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.09 | 0.11 | |
| 8 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.06 | 0.08 | 0.16 | |
| 9 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.09 | 0.06 | |
| 10 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.09 | 0.09 | |
| 11 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.10 | 0.19 | |
| 12 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.12 | 0.08 | |
| 13 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.12 | 0.10 | |
| 14 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.10 | 0.12 | |
| 15 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.10 | 0.09 | |
| 16 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.13 | 0.10 | 0.08 | |
| 17 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.12 | 0.09 | |
| 18 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.09 | 0.07 | |
| 19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.09 | 0.09 | 0.16 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.09 | 0.14 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | 0.16 | 0.12 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.18 | 0.16 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.10 | 0.12 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | 0.12 | 0.11 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.09 | 0.09 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.09 | 0.10 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.09 | 0.08 | 0.08 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.09 | 0.10 | 0.07 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.16 | 0.08 | 0.07 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.10 | 0.08 | 0.07 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.10 | | 0.10 | |

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.988 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.690 | 0.998 |
| 2 | 0.983 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.706 | 0.998 |
| 3 | 0.978 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.722 | 0.998 |
| 4 | 0.973 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.739 | 0.998 |
| 5 | 0.968 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.755 | 0.998 |
| 6 | 0.963 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.771 | 0.998 |
| 7 | 0.958 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.284 | 0.787 | 0.998 |
| 8 | 0.953 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.300 | 0.803 | 0.998 |
| 9 | 0.948 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.317 | 0.820 | 0.998 |
| 10 | 0.943 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.333 | 0.836 | 0.998 |
| 11 | 0.938 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.349 | 0.852 | 0.998 |
| 12 | 0.933 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.365 | 0.868 | 0.998 |
| 13 | 0.928 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.382 | 0.885 | 0.998 |
| 14 | 0.923 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.398 | 0.901 | 0.998 |
| 15 | 0.918 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.414 | 0.917 | 0.998 |
| 16 | 0.913 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.430 | 0.933 | 0.998 |
| 17 | 0.908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.446 | 0.949 | 0.998 |
| 18 | 0.903 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.463 | 0.966 | 0.998 |
| 19 | 0.898 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.479 | 0.982 | 0.998 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.495 | 0.998 | 0.998 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.511 | 0.998 | 0.998 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.528 | 0.998 | 0.998 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.544 | 0.998 | 0.998 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.560 | 0.998 | 0.998 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.576 | 0.998 | 0.998 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.593 | 0.998 | 0.998 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.609 | 0.998 | 0.998 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.625 | 0.998 | 0.998 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.641 | 0.998 | 0.998 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.657 | 0.998 | 0.998 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 0.674 | | 0.993 |

ET calculations for Sheet X: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Dates)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.14 | 0.10 | 0.16 | 0.13 | 0.20 | 0.30 | 0.45 | 0.36 | 0.32 | 0.22 | 0.12 | 0.12 | |
| 2 | 0.11 | 0.11 | 0.17 | 0.18 | 0.33 | 0.33 | 0.44 | 0.31 | 0.32 | 0.24 | 0.14 | 0.10 | |
| 3 | 0.11 | 0.09 | 0.20 | 0.19 | 0.26 | 0.32 | 0.44 | 0.33 | 0.28 | 0.20 | 0.14 | 0.18 | |
| 4 | 0.08 | -0.01 | 0.16 | 0.16 | 0.26 | 0.31 | 0.40 | 0.36 | 0.27 | 0.21 | 0.13 | 0.11 | |
| 5 | 0.08 | -0.03 | 0.14 | 0.18 | 0.28 | 0.28 | 0.35 | 0.37 | 0.30 | 0.23 | 0.13 | 0.08 | |
| 6 | 0.08 | 0.06 | 0.17 | 0.20 | 0.28 | 0.35 | 0.38 | 0.36 | 0.28 | 0.29 | 0.11 | 0.08 | |
| 7 | 0.09 | 0.08 | 0.15 | 0.19 | 0.31 | 0.42 | 0.20 | 0.35 | 0.28 | 0.28 | 0.12 | 0.11 | |
| 8 | 0.13 | 0.08 | 0.14 | 0.19 | 0.39 | 0.38 | 0.16 | 0.34 | 0.30 | 0.20 | 0.11 | 0.16 | |
| 9 | 0.09 | 0.12 | 0.17 | 0.21 | 0.32 | 0.35 | 0.28 | 0.34 | 0.20 | 0.21 | 0.12 | 0.07 | |
| 10 | 0.07 | 0.16 | 0.15 | 0.19 | 0.26 | 0.32 | 0.34 | 0.35 | 0.28 | 0.22 | 0.11 | 0.09 | |
| 11 | 0.08 | 0.12 | 0.17 | 0.21 | 0.28 | 0.31 | 0.31 | 0.31 | 0.29 | 0.21 | 0.12 | 0.20 | |
| 12 | 0.09 | 0.13 | 0.20 | 0.13 | 0.34 | 0.32 | 0.22 | 0.29 | 0.27 | 0.22 | 0.14 | 0.08 | |
| 13 | 0.09 | 0.12 | 0.15 | 0.15 | 0.37 | 0.32 | 0.21 | 0.32 | 0.28 | 0.20 | 0.14 | 0.10 | |
| 14 | 0.10 | 0.13 | 0.17 | 0.23 | 0.32 | 0.34 | 0.28 | 0.32 | 0.30 | 0.21 | 0.12 | 0.12 | |
| 15 | 0.08 | 0.13 | 0.19 | 0.25 | 0.29 | 0.37 | 0.33 | 0.33 | 0.29 | 0.20 | 0.11 | 0.09 | |
| 16 | 0.08 | 0.09 | 0.16 | 0.23 | 0.28 | 0.36 | 0.30 | 0.29 | 0.31 | 0.33 | 0.11 | 0.08 | |
| 17 | 0.08 | 0.10 | 0.16 | 0.23 | 0.27 | 0.35 | 0.36 | 0.32 | 0.27 | 0.29 | 0.13 | 0.09 | |
| 18 | 0.08 | 0.09 | 0.15 | 0.24 | 0.30 | 0.33 | 0.30 | 0.28 | 0.27 | 0.17 | 0.10 | 0.08 | |
| 19 | 0.08 | 0.13 | 0.17 | 0.26 | 0.32 | 0.33 | 0.34 | 0.24 | 0.28 | 0.19 | 0.10 | 0.16 | |
| 20 | 0.12 | 0.14 | 0.24 | 0.29 | 0.31 | 0.34 | 0.35 | 0.29 | 0.24 | 0.20 | 0.09 | 0.15 | |
| 21 | 0.14 | 0.12 | 0.18 | 0.29 | 0.32 | 0.40 | 0.34 | 0.29 | 0.16 | 0.17 | 0.16 | 0.12 | |
| 22 | 0.09 | 0.19 | 0.18 | 0.29 | 0.28 | 0.34 | 0.34 | 0.31 | 0.15 | 0.17 | 0.19 | 0.16 | |
| 23 | 0.09 | 0.09 | 0.20 | 0.21 | 0.26 | 0.36 | 0.38 | 0.24 | 0.16 | 0.17 | 0.10 | 0.12 | |
| 24 | 0.07 | 0.12 | 0.18 | 0.18 | 0.25 | 0.40 | 0.38 | 0.28 | 0.21 | 0.16 | 0.12 | 0.11 | |
| 25 | 0.08 | 0.17 | 0.16 | 0.21 | 0.27 | 0.40 | 0.36 | 0.30 | 0.21 | 0.17 | 0.09 | 0.09 | |
| 26 | 0.10 | 0.15 | 0.20 | 0.28 | 0.32 | 0.39 | 0.34 | 0.31 | 0.23 | 0.15 | 0.09 | 0.10 | |
| 27 | 0.08 | 0.12 | 0.20 | 0.32 | 0.33 | 0.36 | 0.21 | 0.32 | 0.26 | 0.15 | 0.09 | 0.09 | |
| 28 | 0.13 | 0.14 | 0.19 | 0.31 | 0.36 | 0.38 | 0.20 | 0.27 | 0.29 | 0.16 | 0.10 | 0.07 | |
| 29 | 0.09 | | 0.20 | 0.18 | 0.42 | 0.39 | 0.22 | 0.25 | 0.24 | 0.27 | 0.08 | 0.07 | |
| 30 | 0.09 | | 0.33 | 0.13 | 0.39 | 0.41 | 0.32 | 0.30 | 0.22 | 0.17 | 0.08 | 0.07 | |
| 31 | 0.12 | | 0.25 | | 0.38 | | 0.35 | 0.32 | | 0.16 | | 0.10 | |

Dates

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.915 | 0.917 | 0.952 | 0.991 | 1.028 | 1.065 | 1.065 | 1.065 | 1.065 | 1.063 | 1.046 | 1.031 |
| 2 | 0.915 | 0.918 | 0.953 | 0.992 | 1.030 | 1.065 | 1.065 | 1.065 | 1.065 | 1.062 | 1.046 | 1.030 |
| 3 | 0.915 | 0.920 | 0.955 | 0.993 | 1.031 | 1.065 | 1.065 | 1.065 | 1.065 | 1.062 | 1.045 | 1.029 |
| 4 | 0.915 | 0.921 | 0.956 | 0.995 | 1.032 | 1.065 | 1.065 | 1.065 | 1.065 | 1.061 | 1.045 | 1.029 |
| 5 | 0.915 | 0.922 | 0.957 | 0.996 | 1.033 | 1.065 | 1.065 | 1.065 | 1.065 | 1.061 | 1.044 | 1.028 |
| 6 | 0.915 | 0.923 | 0.958 | 0.997 | 1.035 | 1.065 | 1.065 | 1.065 | 1.065 | 1.060 | 1.044 | 1.028 |
| 7 | 0.915 | 0.925 | 0.960 | 0.998 | 1.036 | 1.065 | 1.065 | 1.065 | 1.065 | 1.059 | 1.043 | 1.027 |
| 8 | 0.915 | 0.926 | 0.961 | 1.000 | 1.037 | 1.065 | 1.065 | 1.065 | 1.065 | 1.059 | 1.043 | 1.027 |
| 9 | 0.915 | 0.927 | 0.962 | 1.001 | 1.038 | 1.065 | 1.065 | 1.065 | 1.065 | 1.058 | 1.042 | 1.026 |
| 10 | 0.915 | 0.928 | 0.963 | 1.002 | 1.040 | 1.065 | 1.065 | 1.065 | 1.065 | 1.058 | 1.042 | 1.026 |
| 11 | 0.915 | 0.930 | 0.965 | 1.003 | 1.041 | 1.065 | 1.065 | 1.065 | 1.065 | 1.057 | 1.041 | 1.025 |
| 12 | 0.915 | 0.931 | 0.966 | 1.005 | 1.042 | 1.065 | 1.065 | 1.065 | 1.065 | 1.057 | 1.041 | 1.025 |
| 13 | 0.915 | 0.932 | 0.967 | 1.006 | 1.043 | 1.065 | 1.065 | 1.065 | 1.065 | 1.056 | 1.040 | 1.024 |
| 14 | 0.915 | 0.933 | 0.968 | 1.007 | 1.045 | 1.065 | 1.065 | 1.065 | 1.065 | 1.056 | 1.039 | 1.024 |
| 15 | 0.915 | 0.935 | 0.970 | 1.008 | 1.046 | 1.065 | 1.065 | 1.065 | 1.065 | 1.055 | 1.039 | 1.023 |
| 16 | 0.915 | 0.936 | 0.971 | 1.010 | 1.047 | 1.065 | 1.065 | 1.065 | 1.065 | 1.055 | 1.038 | 1.023 |
| 17 | 0.915 | 0.937 | 0.972 | 1.011 | 1.048 | 1.065 | 1.065 | 1.065 | 1.065 | 1.054 | 1.038 | 1.022 |
| 18 | 0.915 | 0.938 | 0.973 | 1.012 | 1.050 | 1.065 | 1.065 | 1.065 | 1.065 | 1.054 | 1.037 | 1.022 |
| 19 | 0.915 | 0.940 | 0.975 | 1.013 | 1.051 | 1.065 | 1.065 | 1.065 | 1.065 | 1.053 | 1.037 | 1.021 |
| 20 | 0.915 | 0.941 | 0.976 | 1.015 | 1.052 | 1.065 | 1.065 | 1.065 | 1.065 | 1.053 | 1.036 | 1.021 |
| 21 | 0.915 | 0.942 | 0.977 | 1.016 | 1.053 | 1.065 | 1.065 | 1.065 | 1.065 | 1.052 | 1.036 | 1.020 |
| 22 | 0.915 | 0.943 | 0.978 | 1.017 | 1.055 | 1.065 | 1.065 | 1.065 | 1.065 | 1.052 | 1.035 | 1.019 |
| 23 | 0.915 | 0.945 | 0.980 | 1.018 | 1.056 | 1.065 | 1.065 | 1.065 | 1.065 | 1.051 | 1.035 | 1.019 |
| 24 | 0.915 | 0.946 | 0.981 | 1.020 | 1.057 | 1.065 | 1.065 | 1.065 | 1.065 | 1.051 | 1.034 | 1.018 |
| 25 | 0.915 | 0.947 | 0.982 | 1.021 | 1.058 | 1.065 | 1.065 | 1.065 | 1.065 | 1.050 | 1.034 | 1.018 |
| 26 | 0.915 | 0.948 | 0.983 | 1.022 | 1.060 | 1.065 | 1.065 | 1.065 | 1.065 | 1.049 | 1.033 | 1.017 |
| 27 | 0.915 | 0.950 | 0.985 | 1.023 | 1.061 | 1.065 | 1.065 | 1.065 | 1.065 | 1.049 | 1.033 | 1.017 |
| 28 | 0.915 | 0.951 | 0.986 | 1.025 | 1.062 | 1.065 | 1.065 | 1.065 | 1.064 | 1.048 | 1.032 | 1.016 |
| 29 | 0.915 | | 0.987 | 1.026 | 1.063 | 1.065 | 1.065 | 1.065 | 1.064 | 1.048 | 1.032 | 1.016 |
| 30 | 0.915 | | 0.988 | 1.027 | 1.065 | 1.065 | 1.065 | 1.065 | 1.063 | 1.047 | 1.031 | 1.015 |
| 31 | 0.916 | | 0.990 | | 1.065 | | 1.065 | 1.065 | | 1.047 | | 1.015 |

ET calculations for Sheet Y: Page 1 of 2 1999 CROP ET
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(Sheet to calculate ET for Safflower)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.04 | 0.09 | 0.14 | 0.25 | 0.34 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.04 | 0.10 | 0.20 | 0.40 | 0.39 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.04 | 0.12 | 0.21 | 0.32 | 0.38 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | -0.04 | 0.10 | 0.18 | 0.31 | 0.36 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | -0.06 | 0.09 | 0.20 | 0.34 | 0.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.03 | 0.11 | 0.23 | 0.33 | 0.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.03 | 0.10 | 0.22 | 0.37 | 0.49 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.03 | 0.09 | 0.23 | 0.46 | 0.45 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.05 | 0.12 | 0.25 | 0.38 | 0.40 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.06 | 0.11 | 0.23 | 0.32 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.05 | 0.13 | 0.26 | 0.34 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.05 | 0.15 | 0.16 | 0.40 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.05 | 0.12 | 0.19 | 0.44 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.05 | 0.14 | 0.28 | 0.38 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.05 | 0.16 | 0.31 | 0.34 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.04 | 0.13 | 0.28 | 0.34 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.04 | 0.13 | 0.28 | 0.32 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.04 | 0.13 | 0.29 | 0.36 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.05 | 0.15 | 0.32 | 0.38 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.05 | 0.21 | 0.35 | 0.37 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.05 | 0.16 | 0.36 | 0.38 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.08 | 0.16 | 0.35 | 0.33 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.02 | 0.19 | 0.26 | 0.30 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.06 | 0.17 | 0.22 | 0.30 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.08 | 0.15 | 0.25 | 0.32 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.08 | 0.19 | 0.34 | 0.37 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.07 | 0.20 | 0.39 | 0.39 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.08 | 0.20 | 0.38 | 0.42 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.21 | 0.22 | 0.50 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.34 | 0.15 | 0.45 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.27 | | 0.44 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.380 | 0.535 | 1.070 | 1.242 | 1.242 | 0.591 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.380 | 0.552 | 1.087 | 1.242 | 1.242 | 0.550 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.380 | 0.570 | 1.104 | 1.242 | 1.242 | 0.509 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.380 | 0.587 | 1.121 | 1.242 | 1.242 | 0.468 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.380 | 0.604 | 1.139 | 1.242 | 1.242 | 0.428 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.380 | 0.621 | 1.156 | 1.242 | 1.242 | 0.387 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.380 | 0.639 | 1.173 | 1.242 | 1.242 | 0.346 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.380 | 0.656 | 1.190 | 1.242 | 1.242 | 0.305 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.380 | 0.673 | 1.208 | 1.242 | 1.242 | 0.265 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.380 | 0.690 | 1.225 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.380 | 0.708 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.380 | 0.725 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.380 | 0.742 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.380 | 0.759 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.380 | 0.776 | 1.242 | 1.242 | 1.242 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.380 | 0.794 | 1.242 | 1.242 | 1.201 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.380 | 0.811 | 1.242 | 1.242 | 1.161 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.380 | 0.828 | 1.242 | 1.242 | 1.120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.380 | 0.845 | 1.242 | 1.242 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.380 | 0.863 | 1.242 | 1.242 | 1.038 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.397 | 0.880 | 1.242 | 1.242 | 0.998 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.414 | 0.897 | 1.242 | 1.242 | 0.957 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.432 | 0.914 | 1.242 | 1.242 | 0.916 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.449 | 0.932 | 1.242 | 1.242 | 0.876 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.466 | 0.949 | 1.242 | 1.242 | 0.835 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.483 | 0.966 | 1.242 | 1.242 | 0.794 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.501 | 0.983 | 1.242 | 1.242 | 0.753 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.518 | 1.001 | 1.242 | 1.242 | 0.713 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 1.018 | 1.242 | 1.242 | 0.672 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 1.035 | 1.242 | 1.242 | 0.631 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 1.052 | | 1.242 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet Z: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Deciduous Orchards [pecans & peaches])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.06 | 0.05 | 0.07 | 0.08 | 0.16 | 0.24 | 0.36 | 0.29 | 0.26 | 0.18 | 0.10 | 0.09 | |
| 2 | 0.05 | 0.05 | 0.08 | 0.11 | 0.26 | 0.27 | 0.36 | 0.25 | 0.26 | 0.20 | 0.11 | 0.07 | |
| 3 | 0.05 | 0.04 | 0.09 | 0.12 | 0.21 | 0.26 | 0.35 | 0.27 | 0.23 | 0.16 | 0.11 | 0.13 | |
| 4 | 0.03 | -0.04 | 0.07 | 0.10 | 0.20 | 0.25 | 0.32 | 0.29 | 0.22 | 0.17 | 0.10 | 0.08 | |
| 5 | 0.03 | -0.06 | 0.06 | 0.11 | 0.23 | 0.23 | 0.28 | 0.30 | 0.24 | 0.19 | 0.11 | 0.06 | |
| 6 | 0.03 | 0.03 | 0.08 | 0.13 | 0.22 | 0.28 | 0.31 | 0.29 | 0.23 | 0.24 | 0.09 | 0.06 | |
| 7 | 0.04 | 0.03 | 0.07 | 0.12 | 0.25 | 0.34 | 0.16 | 0.28 | 0.23 | 0.22 | 0.10 | 0.08 | |
| 8 | 0.06 | 0.03 | 0.07 | 0.13 | 0.32 | 0.31 | 0.13 | 0.27 | 0.24 | 0.17 | 0.09 | 0.11 | |
| 9 | 0.04 | 0.05 | 0.08 | 0.14 | 0.26 | 0.28 | 0.23 | 0.27 | 0.16 | 0.17 | 0.10 | 0.05 | |
| 10 | 0.03 | 0.07 | 0.08 | 0.13 | 0.22 | 0.26 | 0.28 | 0.29 | 0.23 | 0.18 | 0.09 | 0.06 | |
| 11 | 0.03 | 0.05 | 0.09 | 0.14 | 0.23 | 0.25 | 0.25 | 0.25 | 0.24 | 0.17 | 0.10 | 0.13 | |
| 12 | 0.04 | 0.06 | 0.10 | 0.09 | 0.28 | 0.26 | 0.18 | 0.24 | 0.22 | 0.18 | 0.11 | 0.06 | |
| 13 | 0.04 | 0.05 | 0.08 | 0.11 | 0.31 | 0.26 | 0.17 | 0.26 | 0.23 | 0.16 | 0.11 | 0.07 | |
| 14 | 0.04 | 0.06 | 0.09 | 0.16 | 0.26 | 0.27 | 0.23 | 0.26 | 0.24 | 0.17 | 0.10 | 0.08 | |
| 15 | 0.03 | 0.05 | 0.10 | 0.18 | 0.24 | 0.30 | 0.27 | 0.26 | 0.24 | 0.16 | 0.09 | 0.06 | |
| 16 | 0.04 | 0.04 | 0.08 | 0.16 | 0.23 | 0.29 | 0.24 | 0.23 | 0.25 | 0.27 | 0.09 | 0.05 | |
| 17 | 0.03 | 0.04 | 0.09 | 0.16 | 0.22 | 0.28 | 0.29 | 0.26 | 0.22 | 0.24 | 0.11 | 0.06 | |
| 18 | 0.04 | 0.04 | 0.08 | 0.17 | 0.25 | 0.27 | 0.24 | 0.22 | 0.22 | 0.14 | 0.08 | 0.05 | |
| 19 | 0.03 | 0.05 | 0.09 | 0.19 | 0.26 | 0.27 | 0.28 | 0.20 | 0.22 | 0.15 | 0.08 | 0.10 | |
| 20 | 0.05 | 0.06 | 0.13 | 0.21 | 0.26 | 0.28 | 0.28 | 0.23 | 0.20 | 0.16 | 0.07 | 0.09 | |
| 21 | 0.06 | 0.05 | 0.10 | 0.21 | 0.26 | 0.32 | 0.28 | 0.24 | 0.13 | 0.14 | 0.13 | 0.08 | |
| 22 | 0.04 | 0.08 | 0.10 | 0.21 | 0.23 | 0.27 | 0.28 | 0.25 | 0.12 | 0.14 | 0.15 | 0.10 | |
| 23 | 0.04 | 0.01 | 0.11 | 0.16 | 0.21 | 0.29 | 0.31 | 0.19 | 0.13 | 0.14 | 0.08 | 0.07 | |
| 24 | 0.03 | 0.05 | 0.11 | 0.14 | 0.21 | 0.32 | 0.31 | 0.23 | 0.17 | 0.13 | 0.10 | 0.06 | |
| 25 | 0.03 | 0.07 | 0.09 | 0.16 | 0.22 | 0.32 | 0.29 | 0.24 | 0.17 | 0.14 | 0.07 | 0.05 | |
| 26 | 0.04 | 0.06 | 0.12 | 0.21 | 0.26 | 0.32 | 0.28 | 0.25 | 0.19 | 0.13 | 0.07 | 0.06 | |
| 27 | 0.03 | 0.05 | 0.12 | 0.25 | 0.27 | 0.29 | 0.17 | 0.26 | 0.21 | 0.12 | 0.07 | 0.05 | |
| 28 | 0.06 | 0.06 | 0.12 | 0.24 | 0.29 | 0.31 | 0.16 | 0.22 | 0.24 | 0.13 | 0.08 | 0.04 | |
| 29 | 0.04 | | 0.12 | 0.14 | 0.34 | 0.31 | 0.18 | 0.20 | 0.20 | 0.22 | 0.06 | 0.04 | |
| 30 | 0.04 | | 0.20 | 0.10 | 0.31 | 0.33 | 0.26 | 0.24 | 0.18 | 0.14 | 0.06 | 0.04 | |
| 31 | 0.05 | | 0.16 | | 0.31 | | 0.28 | 0.26 | | 0.13 | | 0.05 | |

(Daily Kc values)
Orchards

Sheet Z: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.396 | 0.396 | 0.427 | 0.619 | 0.804 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.760 |
| 2 | 0.396 | 0.396 | 0.433 | 0.625 | 0.811 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.753 |
| 3 | 0.396 | 0.396 | 0.439 | 0.631 | 0.817 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.747 |
| 4 | 0.396 | 0.396 | 0.446 | 0.637 | 0.823 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.740 |
| 5 | 0.396 | 0.396 | 0.452 | 0.644 | 0.829 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.733 |
| 6 | 0.396 | 0.396 | 0.458 | 0.650 | 0.835 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.727 |
| 7 | 0.396 | 0.396 | 0.464 | 0.656 | 0.841 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.720 |
| 8 | 0.396 | 0.396 | 0.470 | 0.662 | 0.848 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.713 |
| 9 | 0.396 | 0.396 | 0.476 | 0.668 | 0.854 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.707 |
| 10 | 0.396 | 0.396 | 0.483 | 0.674 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.700 |
| 11 | 0.396 | 0.396 | 0.489 | 0.681 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.693 |
| 12 | 0.396 | 0.396 | 0.495 | 0.687 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.687 |
| 13 | 0.396 | 0.396 | 0.501 | 0.693 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.680 |
| 14 | 0.396 | 0.396 | 0.507 | 0.699 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.673 |
| 15 | 0.396 | 0.396 | 0.514 | 0.705 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.667 |
| 16 | 0.396 | 0.396 | 0.520 | 0.712 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.660 |
| 17 | 0.396 | 0.396 | 0.526 | 0.718 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.853 | 0.653 |
| 18 | 0.396 | 0.396 | 0.532 | 0.724 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.847 | 0.647 |
| 19 | 0.396 | 0.396 | 0.538 | 0.730 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.840 | 0.640 |
| 20 | 0.396 | 0.396 | 0.545 | 0.736 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.833 | 0.633 |
| 21 | 0.396 | 0.396 | 0.551 | 0.742 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.827 | 0.627 |
| 22 | 0.396 | 0.396 | 0.557 | 0.749 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.820 | 0.620 |
| 23 | 0.396 | 0.396 | 0.563 | 0.755 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.813 | 0.613 |
| 24 | 0.396 | 0.396 | 0.569 | 0.761 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.807 | 0.607 |
| 25 | 0.396 | 0.402 | 0.575 | 0.767 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.800 | 0.600 |
| 26 | 0.396 | 0.408 | 0.582 | 0.773 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.793 | 0.593 |
| 27 | 0.396 | 0.415 | 0.588 | 0.780 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.787 | 0.587 |
| 28 | 0.396 | 0.421 | 0.594 | 0.786 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.780 | 0.580 |
| 29 | 0.396 | | 0.600 | 0.792 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.773 | 0.573 |
| 30 | 0.396 | | 0.606 | 0.798 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.860 | 0.767 | 0.567 |
| 31 | 0.396 | | 0.613 | | 0.860 | | 0.860 | 0.860 | | 0.860 | | 0.560 |

ET calculations for Sheet AA: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Small Vegetables [carrots, celantro, celery, garlic, onions, parsley, & radishes])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.15 | 0.12 | 0.17 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 2 | 0.12 | 0.12 | 0.17 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | |
| 3 | 0.13 | 0.10 | 0.21 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | |
| 4 | 0.09 | -0.00 | 0.16 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 5 | 0.09 | -0.03 | 0.14 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.05 | |
| 6 | 0.09 | 0.07 | 0.18 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | |
| 7 | 0.10 | 0.08 | 0.16 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | |
| 8 | 0.14 | 0.09 | 0.14 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | |
| 9 | 0.10 | 0.13 | 0.17 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | |
| 10 | 0.08 | 0.17 | 0.16 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | |
| 11 | 0.08 | 0.13 | 0.18 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.14 | |
| 12 | 0.10 | 0.15 | 0.21 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | |
| 13 | 0.10 | 0.13 | 0.16 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 14 | 0.11 | 0.14 | 0.18 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | |
| 15 | 0.09 | 0.14 | 0.20 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.07 | |
| 16 | 0.09 | 0.10 | 0.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.04 | 0.06 | |
| 17 | 0.09 | 0.11 | 0.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.05 | 0.07 | |
| 18 | 0.09 | 0.10 | 0.16 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.06 | |
| 19 | 0.09 | 0.14 | 0.17 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.13 | |
| 20 | 0.14 | 0.14 | 0.24 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.12 | |
| 21 | 0.16 | 0.13 | 0.19 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.10 | |
| 22 | 0.10 | 0.20 | 0.18 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | 0.13 | |
| 23 | 0.10 | 0.10 | 0.21 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.10 | |
| 24 | 0.08 | 0.13 | 0.19 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.09 | |
| 25 | 0.09 | 0.18 | 0.16 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.08 | |
| 26 | 0.12 | 0.16 | 0.20 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.09 | |
| 27 | 0.08 | 0.13 | 0.20 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.08 | |
| 28 | 0.14 | 0.15 | 0.20 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.07 | |
| 29 | 0.10 | | 0.21 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.04 | 0.07 | |
| 30 | 0.10 | | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.07 | |
| 31 | 0.13 | | 0.26 | | 0.00 | | 0.00 | 0.00 | | 0.05 | | 0.09 | |

(Daily Kc values)
Small Vegetables

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.994 | 1.008 | 1.008 | 0.995 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.562 |
| 2 | 1.008 | 1.008 | 1.008 | 0.988 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.576 |
| 3 | 1.008 | 1.008 | 1.008 | 0.981 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.590 |
| 4 | 1.008 | 1.008 | 1.008 | 0.975 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.604 |
| 5 | 1.008 | 1.008 | 1.008 | 0.968 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.618 |
| 6 | 1.008 | 1.008 | 1.008 | 0.961 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.632 |
| 7 | 1.008 | 1.008 | 1.008 | 0.955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.645 |
| 8 | 1.008 | 1.008 | 1.008 | 0.948 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.659 |
| 9 | 1.008 | 1.008 | 1.008 | 0.941 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.673 |
| 10 | 1.008 | 1.008 | 1.008 | 0.935 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.687 |
| 11 | 1.008 | 1.008 | 1.008 | 0.928 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.701 |
| 12 | 1.008 | 1.008 | 1.008 | 0.921 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.715 |
| 13 | 1.008 | 1.008 | 1.008 | 0.915 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.729 |
| 14 | 1.008 | 1.008 | 1.008 | 0.908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.325 | 0.743 |
| 15 | 1.008 | 1.008 | 1.008 | 0.901 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.339 | 0.757 |
| 16 | 1.008 | 1.008 | 1.008 | 0.895 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.353 | 0.771 |
| 17 | 1.008 | 1.008 | 1.008 | 0.888 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.366 | 0.785 |
| 18 | 1.008 | 1.008 | 1.008 | 0.881 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.380 | 0.799 |
| 19 | 1.008 | 1.008 | 1.008 | 0.875 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.394 | 0.813 |
| 20 | 1.008 | 1.008 | 1.008 | 0.868 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.408 | 0.827 |
| 21 | 1.008 | 1.008 | 1.008 | 0.861 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.422 | 0.841 |
| 22 | 1.008 | 1.008 | 1.008 | 0.855 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.436 | 0.855 |
| 23 | 1.008 | 1.008 | 1.008 | 0.848 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.450 | 0.869 |
| 24 | 1.008 | 1.008 | 1.008 | 0.841 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.464 | 0.883 |
| 25 | 1.008 | 1.008 | 1.008 | 0.835 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.478 | 0.897 |
| 26 | 1.008 | 1.008 | 1.008 | 0.828 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.492 | 0.910 |
| 27 | 1.008 | 1.008 | 1.008 | 0.821 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.506 | 0.924 |
| 28 | 1.008 | 1.008 | 1.008 | 0.815 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.520 | 0.938 |
| 29 | 1.008 | | 1.008 | 0.808 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.534 | 0.952 |
| 30 | 1.008 | | 1.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.548 | 0.966 |
| 31 | 1.008 | | 1.001 | | 0.000 | | 0.000 | 0.000 | | 0.311 | | 0.980 |

ET calculations for Sheet AB: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Root Vegetables [tables beets, parsnips, turnips, & rutabagas])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.11 | 0.12 | 0.12 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.12 | 0.14 | 0.10 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.11 | 0.14 | 0.19 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.13 | 0.11 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.13 | 0.13 | 0.09 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.17 | 0.11 | 0.09 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.17 | 0.12 | 0.12 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.13 | 0.11 | 0.17 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.14 | 0.12 | 0.07 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.15 | 0.11 | 0.09 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.15 | 0.12 | 0.20 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.16 | 0.14 | 0.09 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.15 | 0.14 | 0.10 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.16 | 0.12 | 0.12 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.16 | 0.11 | 0.09 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.26 | 0.11 | 0.08 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.24 | 0.13 | 0.09 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.14 | 0.10 | 0.07 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.17 | 0.10 | 0.16 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.18 | 0.09 | 0.14 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.16 | 0.16 | 0.12 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.16 | 0.19 | 0.15 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.17 | 0.11 | 0.12 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.15 | 0.12 | 0.10 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.17 | 0.10 | 0.08 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.16 | 0.09 | 0.10 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | 0.09 | 0.08 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.16 | 0.10 | 0.07 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.27 | 0.08 | 0.07 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.17 | 0.08 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.16 | | 0.00 | |

(Daily Kc values)
Root Vegetables

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.515 | 1.052 | 1.052 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.537 | 1.052 | 1.052 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.559 | 1.052 | 1.052 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.582 | 1.052 | 1.052 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.604 | 1.052 | 1.052 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.627 | 1.052 | 1.052 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.649 | 1.052 | 1.052 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.671 | 1.052 | 1.052 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.694 | 1.052 | 1.052 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.716 | 1.052 | 1.047 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.739 | 1.052 | 1.042 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.761 | 1.052 | 1.037 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.784 | 1.052 | 1.032 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.806 | 1.052 | 1.027 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.828 | 1.052 | 1.022 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.851 | 1.052 | 1.017 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.873 | 1.052 | 1.012 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.896 | 1.052 | 1.007 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.918 | 1.052 | 1.002 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.940 | 1.052 | 0.997 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.290 | 0.963 | 1.052 | 0.992 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.313 | 0.985 | 1.052 | 0.987 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.335 | 1.008 | 1.052 | 0.982 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.358 | 1.030 | 1.052 | 0.977 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.380 | 1.052 | 1.052 | 0.972 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.402 | 1.052 | 1.052 | 0.967 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.425 | 1.052 | 1.052 | 0.962 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.447 | 1.052 | 1.052 | 0.957 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.470 | 1.052 | 1.052 | 0.952 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.492 | 1.052 | 1.052 | 0.947 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 1.052 | | 0.942 |

ET calculations for Sheet AC: Page 1 of 2 1999 CROP ET
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(Sheet to calculate ET for Perennial Vegetables [artichokes & asparagus])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.06 | 0.07 | 0.19 | 0.27 | 0.40 | 0.00 | 0.27 | 0.14 | 0.05 | 0.04 | |
| 2 | 0.04 | 0.04 | 0.06 | 0.10 | 0.31 | 0.30 | 0.40 | 0.28 | 0.27 | 0.16 | 0.06 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.11 | 0.25 | 0.29 | 0.39 | 0.30 | 0.23 | 0.13 | 0.06 | 0.06 | |
| 4 | 0.03 | -0.05 | 0.05 | 0.09 | 0.24 | 0.28 | 0.36 | 0.33 | 0.22 | 0.13 | 0.05 | 0.03 | |
| 5 | 0.03 | -0.06 | 0.05 | 0.11 | 0.26 | 0.26 | 0.32 | 0.33 | 0.25 | 0.15 | 0.06 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.12 | 0.26 | 0.32 | 0.35 | 0.32 | 0.23 | 0.18 | 0.05 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.12 | 0.29 | 0.38 | 0.18 | 0.32 | 0.22 | 0.17 | 0.05 | 0.04 | |
| 8 | 0.05 | 0.03 | 0.05 | 0.13 | 0.36 | 0.35 | 0.15 | 0.30 | 0.24 | 0.12 | 0.04 | 0.05 | |
| 9 | 0.03 | 0.04 | 0.06 | 0.15 | 0.29 | 0.31 | 0.26 | 0.30 | 0.16 | 0.13 | 0.05 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.13 | 0.25 | 0.29 | 0.31 | 0.32 | 0.22 | 0.13 | 0.04 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.15 | 0.26 | 0.28 | 0.28 | 0.28 | 0.23 | 0.12 | 0.05 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.07 | 0.09 | 0.31 | 0.29 | 0.20 | 0.26 | 0.21 | 0.13 | 0.05 | 0.03 | |
| 13 | 0.03 | 0.04 | 0.05 | 0.12 | 0.34 | 0.29 | 0.19 | 0.29 | 0.22 | 0.11 | 0.05 | 0.03 | |
| 14 | 0.03 | 0.05 | 0.06 | 0.18 | 0.29 | 0.30 | 0.25 | 0.29 | 0.22 | 0.12 | 0.04 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.06 | 0.20 | 0.27 | 0.33 | 0.30 | 0.30 | 0.22 | 0.11 | 0.04 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.05 | 0.18 | 0.26 | 0.32 | 0.27 | 0.26 | 0.23 | 0.18 | 0.04 | 0.03 | |
| 17 | 0.03 | 0.03 | 0.05 | 0.19 | 0.25 | 0.32 | 0.33 | 0.29 | 0.20 | 0.16 | 0.05 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.05 | 0.20 | 0.28 | 0.30 | 0.27 | 0.25 | 0.20 | 0.09 | 0.03 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.06 | 0.23 | 0.29 | 0.30 | 0.31 | 0.22 | 0.20 | 0.10 | 0.03 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.08 | 0.25 | 0.29 | 0.31 | 0.31 | 0.26 | 0.17 | 0.10 | 0.03 | 0.05 | |
| 21 | 0.05 | 0.04 | 0.06 | 0.26 | 0.30 | 0.36 | 0.31 | 0.27 | 0.11 | 0.09 | 0.05 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.06 | 0.26 | 0.25 | 0.31 | 0.31 | 0.28 | 0.11 | 0.09 | 0.06 | 0.05 | |
| 23 | 0.03 | 0.00 | 0.08 | 0.19 | 0.24 | 0.32 | 0.34 | 0.22 | 0.11 | 0.09 | 0.03 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.07 | 0.17 | 0.23 | 0.36 | 0.34 | 0.26 | 0.14 | 0.08 | 0.04 | 0.03 | |
| 25 | 0.02 | 0.06 | 0.07 | 0.20 | 0.25 | 0.36 | 0.32 | 0.26 | 0.14 | 0.08 | 0.03 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.09 | 0.26 | 0.29 | 0.36 | 0.31 | 0.28 | 0.16 | 0.08 | 0.03 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.30 | 0.30 | 0.33 | 0.19 | 0.29 | 0.18 | 0.07 | 0.02 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.09 | 0.29 | 0.33 | 0.35 | 0.18 | 0.24 | 0.19 | 0.08 | 0.03 | 0.02 | |
| 29 | 0.03 | | 0.10 | 0.17 | 0.38 | 0.35 | 0.20 | 0.22 | 0.16 | 0.12 | 0.02 | 0.02 | |
| 30 | 0.03 | | 0.17 | 0.12 | 0.35 | 0.38 | 0.29 | 0.25 | 0.14 | 0.08 | 0.02 | 0.02 | |
| 31 | 0.04 | | 0.13 | | 0.34 | | 0.32 | 0.27 | | 0.07 | | 0.03 | |

(Daily Kc values)
Perennial Vegetables

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.321 | 0.321 | 0.321 | 0.542 | 0.965 | 0.965 | 0.965 | 0.965 | 0.895 | 0.687 | 0.471 | 0.321 |
| 2 | 0.321 | 0.321 | 0.321 | 0.560 | 0.965 | 0.965 | 0.965 | 0.965 | 0.889 | 0.680 | 0.464 | 0.321 |
| 3 | 0.321 | 0.321 | 0.321 | 0.579 | 0.965 | 0.965 | 0.965 | 0.965 | 0.882 | 0.673 | 0.457 | 0.321 |
| 4 | 0.321 | 0.321 | 0.321 | 0.597 | 0.965 | 0.965 | 0.965 | 0.965 | 0.875 | 0.666 | 0.450 | 0.321 |
| 5 | 0.321 | 0.321 | 0.321 | 0.616 | 0.965 | 0.965 | 0.965 | 0.965 | 0.868 | 0.659 | 0.443 | 0.321 |
| 6 | 0.321 | 0.321 | 0.321 | 0.634 | 0.965 | 0.965 | 0.965 | 0.965 | 0.861 | 0.652 | 0.436 | 0.321 |
| 7 | 0.321 | 0.321 | 0.321 | 0.652 | 0.965 | 0.965 | 0.965 | 0.965 | 0.854 | 0.645 | 0.429 | 0.321 |
| 8 | 0.321 | 0.321 | 0.321 | 0.671 | 0.965 | 0.965 | 0.965 | 0.965 | 0.847 | 0.638 | 0.422 | 0.321 |
| 9 | 0.321 | 0.321 | 0.321 | 0.689 | 0.965 | 0.965 | 0.965 | 0.965 | 0.840 | 0.631 | 0.415 | 0.321 |
| 10 | 0.321 | 0.321 | 0.321 | 0.708 | 0.965 | 0.965 | 0.965 | 0.965 | 0.833 | 0.624 | 0.408 | 0.321 |
| 11 | 0.321 | 0.321 | 0.321 | 0.726 | 0.965 | 0.965 | 0.965 | 0.965 | 0.826 | 0.617 | 0.401 | 0.321 |
| 12 | 0.321 | 0.321 | 0.321 | 0.744 | 0.965 | 0.965 | 0.965 | 0.965 | 0.819 | 0.610 | 0.394 | 0.321 |
| 13 | 0.321 | 0.321 | 0.321 | 0.763 | 0.965 | 0.965 | 0.965 | 0.965 | 0.812 | 0.603 | 0.387 | 0.321 |
| 14 | 0.321 | 0.321 | 0.321 | 0.781 | 0.965 | 0.965 | 0.965 | 0.965 | 0.805 | 0.596 | 0.380 | 0.321 |
| 15 | 0.321 | 0.321 | 0.321 | 0.800 | 0.965 | 0.965 | 0.965 | 0.965 | 0.798 | 0.589 | 0.373 | 0.321 |
| 16 | 0.321 | 0.321 | 0.321 | 0.818 | 0.965 | 0.965 | 0.965 | 0.965 | 0.791 | 0.582 | 0.366 | 0.321 |
| 17 | 0.321 | 0.321 | 0.321 | 0.836 | 0.965 | 0.965 | 0.965 | 0.965 | 0.784 | 0.575 | 0.359 | 0.321 |
| 18 | 0.321 | 0.321 | 0.321 | 0.855 | 0.965 | 0.965 | 0.965 | 0.965 | 0.777 | 0.568 | 0.353 | 0.321 |
| 19 | 0.321 | 0.321 | 0.321 | 0.873 | 0.965 | 0.965 | 0.965 | 0.965 | 0.770 | 0.561 | 0.346 | 0.321 |
| 20 | 0.321 | 0.321 | 0.321 | 0.892 | 0.965 | 0.965 | 0.965 | 0.965 | 0.763 | 0.554 | 0.339 | 0.321 |
| 21 | 0.321 | 0.321 | 0.340 | 0.910 | 0.965 | 0.965 | 0.965 | 0.965 | 0.756 | 0.547 | 0.332 | 0.321 |
| 22 | 0.321 | 0.321 | 0.358 | 0.928 | 0.965 | 0.965 | 0.965 | 0.965 | 0.749 | 0.540 | 0.325 | 0.321 |
| 23 | 0.321 | 0.321 | 0.377 | 0.947 | 0.965 | 0.965 | 0.965 | 0.958 | 0.742 | 0.534 | 0.318 | 0.321 |
| 24 | 0.321 | 0.321 | 0.395 | 0.965 | 0.965 | 0.965 | 0.965 | 0.951 | 0.735 | 0.527 | 0.311 | 0.321 |
| 25 | 0.321 | 0.321 | 0.413 | 0.965 | 0.965 | 0.965 | 0.965 | 0.944 | 0.728 | 0.520 | 0.304 | 0.321 |
| 26 | 0.321 | 0.321 | 0.432 | 0.965 | 0.965 | 0.965 | 0.965 | 0.937 | 0.721 | 0.513 | 0.297 | 0.321 |
| 27 | 0.321 | 0.321 | 0.450 | 0.965 | 0.965 | 0.965 | 0.965 | 0.930 | 0.714 | 0.506 | 0.290 | 0.321 |
| 28 | 0.321 | 0.321 | 0.468 | 0.965 | 0.965 | 0.965 | 0.965 | 0.923 | 0.708 | 0.499 | 0.283 | 0.321 |
| 29 | 0.321 | | 0.487 | 0.965 | 0.965 | 0.965 | 0.965 | 0.916 | 0.701 | 0.492 | 0.276 | 0.321 |
| 30 | 0.321 | | 0.505 | 0.965 | 0.965 | 0.965 | 0.965 | 0.909 | 0.694 | 0.485 | 0.269 | 0.321 |
| 31 | 0.321 | | 0.524 | | 0.965 | | 0.965 | 0.902 | | 0.478 | | 0.321 |

ET calculations for Sheet AD: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Sugar Beets)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.09 | 0.10 | 0.18 | 0.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.03 | 0.04 | |
| 2 | 0.07 | 0.10 | 0.19 | 0.19 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.03 | 0.03 | |
| 3 | 0.08 | 0.09 | 0.23 | 0.20 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.06 | |
| 4 | 0.05 | -0.01 | 0.18 | 0.17 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.04 | |
| 5 | 0.05 | -0.04 | 0.15 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.03 | 0.03 | |
| 6 | 0.05 | 0.06 | 0.19 | 0.21 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.03 | 0.03 | |
| 7 | 0.06 | 0.07 | 0.17 | 0.20 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.03 | 0.04 | |
| 8 | 0.09 | 0.08 | 0.15 | 0.21 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.06 | |
| 9 | 0.06 | 0.12 | 0.19 | 0.23 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.03 | |
| 10 | 0.05 | 0.15 | 0.17 | 0.20 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.03 | 0.04 | |
| 11 | 0.05 | 0.12 | 0.19 | 0.22 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.08 | |
| 12 | 0.06 | 0.13 | 0.23 | 0.13 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.03 | |
| 13 | 0.07 | 0.12 | 0.17 | 0.17 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.04 | |
| 14 | 0.07 | 0.13 | 0.19 | 0.25 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.05 | |
| 15 | 0.06 | 0.13 | 0.22 | 0.27 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.04 | |
| 16 | 0.06 | 0.09 | 0.17 | 0.24 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.03 | 0.04 | |
| 17 | 0.06 | 0.10 | 0.18 | 0.25 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.03 | 0.04 | |
| 18 | 0.07 | 0.09 | 0.17 | 0.25 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.03 | |
| 19 | 0.06 | 0.14 | 0.19 | 0.28 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.08 | |
| 20 | 0.10 | 0.14 | 0.26 | 0.30 | 0.22 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.02 | 0.07 | |
| 21 | 0.12 | 0.13 | 0.20 | 0.31 | 0.23 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.04 | 0.06 | |
| 22 | 0.08 | 0.20 | 0.19 | 0.31 | 0.19 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.05 | 0.08 | |
| 23 | 0.08 | 0.10 | 0.22 | 0.22 | 0.17 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.03 | 0.06 | |
| 24 | 0.06 | 0.13 | 0.20 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.03 | 0.06 | |
| 25 | 0.07 | 0.19 | 0.17 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.03 | 0.05 | |
| 26 | 0.09 | 0.16 | 0.22 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.03 | 0.05 | |
| 27 | 0.07 | 0.14 | 0.22 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.04 | 0.03 | 0.05 | |
| 28 | 0.12 | 0.15 | 0.21 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.04 | 0.03 | 0.04 | |
| 29 | 0.08 | | 0.22 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.03 | 0.04 | |
| 30 | 0.08 | | 0.36 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.03 | 0.04 | |
| 31 | 0.11 | | 0.28 | | 0.00 | | 0.00 | 0.00 | | 0.04 | | 0.06 | |

(Daily Kc values)
Sugar Beets

Sheet AD: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.584 | 0.836 | 1.063 | 1.079 | 1.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.333 |
| 2 | 0.592 | 0.844 | 1.071 | 1.079 | 1.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.341 |
| 3 | 0.601 | 0.852 | 1.079 | 1.079 | 0.993 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.349 |
| 4 | 0.609 | 0.860 | 1.079 | 1.079 | 0.979 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.357 |
| 5 | 0.617 | 0.868 | 1.079 | 1.079 | 0.965 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.365 |
| 6 | 0.625 | 0.876 | 1.079 | 1.079 | 0.950 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.373 |
| 7 | 0.633 | 0.884 | 1.079 | 1.079 | 0.936 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.382 |
| 8 | 0.641 | 0.892 | 1.079 | 1.079 | 0.922 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.390 |
| 9 | 0.649 | 0.901 | 1.079 | 1.079 | 0.908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.398 |
| 10 | 0.657 | 0.909 | 1.079 | 1.079 | 0.893 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.406 |
| 11 | 0.665 | 0.917 | 1.079 | 1.079 | 0.879 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.414 |
| 12 | 0.673 | 0.925 | 1.079 | 1.079 | 0.865 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.422 |
| 13 | 0.682 | 0.933 | 1.079 | 1.079 | 0.850 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.430 |
| 14 | 0.690 | 0.941 | 1.079 | 1.079 | 0.836 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.438 |
| 15 | 0.698 | 0.949 | 1.079 | 1.079 | 0.822 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.446 |
| 16 | 0.706 | 0.957 | 1.079 | 1.079 | 0.808 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.455 |
| 17 | 0.714 | 0.965 | 1.079 | 1.079 | 0.793 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.463 |
| 18 | 0.722 | 0.974 | 1.079 | 1.079 | 0.779 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.471 |
| 19 | 0.730 | 0.982 | 1.079 | 1.079 | 0.765 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.479 |
| 20 | 0.738 | 0.990 | 1.079 | 1.079 | 0.750 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.268 | 0.487 |
| 21 | 0.746 | 0.998 | 1.079 | 1.079 | 0.736 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.268 | 0.495 |
| 22 | 0.755 | 1.006 | 1.079 | 1.079 | 0.722 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.268 | 0.503 |
| 23 | 0.763 | 1.014 | 1.079 | 1.079 | 0.708 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.268 | 0.511 |
| 24 | 0.771 | 1.022 | 1.079 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.276 | 0.519 |
| 25 | 0.779 | 1.030 | 1.079 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.284 | 0.528 |
| 26 | 0.787 | 1.038 | 1.079 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.292 | 0.536 |
| 27 | 0.795 | 1.047 | 1.079 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.300 | 0.544 |
| 28 | 0.803 | 1.055 | 1.079 | 1.065 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.309 | 0.552 |
| 29 | 0.811 | | 1.079 | 1.050 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.317 | 0.560 |
| 30 | 0.819 | | 1.079 | 1.036 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.325 | 0.568 |
| 31 | 0.828 | | 1.079 | | 0.000 | | 0.000 | 0.000 | | 0.268 | | 0.576 |

ET calculations for Sheet AE: Page 1 of 2 1999 CROP ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Grapes)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| (Daily ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.02 | 0.06 | 0.16 | 0.24 | 0.35 | 0.25 | 0.15 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.03 | 0.09 | 0.26 | 0.26 | 0.35 | 0.21 | 0.15 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.03 | 0.09 | 0.21 | 0.26 | 0.34 | 0.23 | 0.12 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.03 | 0.08 | 0.20 | 0.25 | 0.31 | 0.24 | 0.12 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.02 | 0.09 | 0.23 | 0.23 | 0.28 | 0.25 | 0.13 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.03 | 0.10 | 0.22 | 0.28 | 0.30 | 0.24 | 0.12 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.03 | 0.10 | 0.25 | 0.33 | 0.16 | 0.23 | 0.11 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.03 | 0.11 | 0.32 | 0.31 | 0.13 | 0.22 | 0.12 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.04 | 0.12 | 0.26 | 0.28 | 0.22 | 0.22 | 0.07 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.03 | 0.11 | 0.22 | 0.26 | 0.27 | 0.23 | 0.10 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.04 | 0.12 | 0.23 | 0.25 | 0.24 | 0.20 | 0.11 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.05 | 0.08 | 0.28 | 0.26 | 0.17 | 0.18 | 0.10 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.04 | 0.09 | 0.30 | 0.25 | 0.16 | 0.20 | 0.10 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.02 | 0.04 | 0.14 | 0.26 | 0.27 | 0.22 | 0.20 | 0.10 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.01 | 0.05 | 0.16 | 0.24 | 0.29 | 0.25 | 0.20 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.01 | 0.04 | 0.15 | 0.23 | 0.28 | 0.23 | 0.17 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.01 | 0.05 | 0.15 | 0.22 | 0.28 | 0.28 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.01 | 0.05 | 0.16 | 0.25 | 0.26 | 0.23 | 0.16 | 0.07 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.01 | 0.05 | 0.18 | 0.26 | 0.27 | 0.26 | 0.14 | 0.07 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.02 | 0.08 | 0.20 | 0.25 | 0.27 | 0.26 | 0.16 | 0.06 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.01 | 0.06 | 0.20 | 0.26 | 0.32 | 0.26 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.02 | 0.06 | 0.20 | 0.22 | 0.27 | 0.26 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | -0.03 | 0.07 | 0.15 | 0.21 | 0.29 | 0.28 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.02 | 0.07 | 0.13 | 0.20 | 0.32 | 0.28 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.02 | 0.06 | 0.15 | 0.22 | 0.32 | 0.26 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.02 | 0.08 | 0.20 | 0.25 | 0.31 | 0.25 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.02 | 0.08 | 0.24 | 0.26 | 0.29 | 0.15 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.02 | 0.08 | 0.24 | 0.29 | 0.30 | 0.14 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.09 | 0.14 | 0.34 | 0.31 | 0.16 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.14 | 0.10 | 0.31 | 0.33 | 0.23 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.12 | | 0.30 | | 0.24 | 0.15 | | 0.00 | | 0.00 | |

(Daily Kc values)
Grapes

Sheet AE: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.145 | 0.464 | 0.801 | 0.850 | 0.846 | 0.742 | 0.493 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.151 | 0.476 | 0.809 | 0.850 | 0.845 | 0.736 | 0.483 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.158 | 0.489 | 0.817 | 0.850 | 0.844 | 0.730 | 0.472 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.165 | 0.502 | 0.824 | 0.850 | 0.843 | 0.724 | 0.461 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.172 | 0.514 | 0.831 | 0.850 | 0.841 | 0.718 | 0.450 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.180 | 0.527 | 0.837 | 0.850 | 0.839 | 0.711 | 0.439 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.188 | 0.539 | 0.843 | 0.850 | 0.837 | 0.705 | 0.428 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.196 | 0.552 | 0.849 | 0.850 | 0.835 | 0.698 | 0.417 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.205 | 0.565 | 0.850 | 0.850 | 0.833 | 0.691 | 0.405 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.214 | 0.577 | 0.850 | 0.850 | 0.831 | 0.684 | 0.394 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.223 | 0.589 | 0.850 | 0.850 | 0.828 | 0.677 | 0.382 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.233 | 0.602 | 0.850 | 0.850 | 0.826 | 0.670 | 0.370 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.242 | 0.614 | 0.850 | 0.850 | 0.823 | 0.663 | 0.358 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.107 | 0.252 | 0.626 | 0.850 | 0.850 | 0.820 | 0.655 | 0.346 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.106 | 0.263 | 0.638 | 0.850 | 0.844 | 0.817 | 0.647 | 0.333 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.105 | 0.273 | 0.650 | 0.850 | 0.845 | 0.814 | 0.639 | 0.321 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.105 | 0.284 | 0.661 | 0.850 | 0.846 | 0.810 | 0.631 | 0.308 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.106 | 0.295 | 0.673 | 0.850 | 0.847 | 0.807 | 0.623 | 0.295 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.107 | 0.306 | 0.684 | 0.850 | 0.848 | 0.803 | 0.615 | 0.282 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.109 | 0.317 | 0.695 | 0.850 | 0.849 | 0.799 | 0.606 | 0.269 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.111 | 0.329 | 0.706 | 0.850 | 0.849 | 0.795 | 0.598 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.113 | 0.341 | 0.717 | 0.850 | 0.850 | 0.791 | 0.589 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.117 | 0.353 | 0.727 | 0.850 | 0.850 | 0.787 | 0.580 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.120 | 0.364 | 0.737 | 0.850 | 0.850 | 0.783 | 0.571 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.124 | 0.377 | 0.747 | 0.850 | 0.850 | 0.778 | 0.562 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.129 | 0.389 | 0.757 | 0.850 | 0.850 | 0.773 | 0.552 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.134 | 0.401 | 0.766 | 0.850 | 0.849 | 0.768 | 0.543 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.139 | 0.413 | 0.776 | 0.850 | 0.849 | 0.763 | 0.533 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.426 | 0.784 | 0.850 | 0.848 | 0.758 | 0.523 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.438 | 0.793 | 0.850 | 0.847 | 0.753 | 0.513 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.451 | | 0.850 | | 0.747 | 0.503 | | 0.000 | | 0.000 |

ET calculations for Sheet AF: Page 1 of : 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Marsh [40% cattail, bullrush, phragmites(bamboo)])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.03 | 0.05 | 0.15 | 0.23 | 0.32 | 0.48 | 0.39 | 0.35 | 0.21 | 0.03 | 0.03 | |
| 2 | 0.03 | 0.03 | 0.05 | 0.21 | 0.37 | 0.36 | 0.48 | 0.33 | 0.35 | 0.22 | 0.03 | 0.02 | |
| 3 | 0.03 | 0.02 | 0.07 | 0.22 | 0.30 | 0.35 | 0.47 | 0.36 | 0.30 | 0.18 | 0.03 | 0.04 | |
| 4 | 0.02 | 0.02 | 0.06 | 0.18 | 0.29 | 0.34 | 0.43 | 0.39 | 0.29 | 0.18 | 0.03 | 0.03 | |
| 5 | 0.02 | 0.01 | 0.06 | 0.20 | 0.31 | 0.30 | 0.38 | 0.40 | 0.32 | 0.19 | 0.03 | 0.02 | |
| 6 | 0.02 | 0.02 | 0.08 | 0.23 | 0.31 | 0.38 | 0.41 | 0.38 | 0.30 | 0.23 | 0.03 | 0.02 | |
| 7 | 0.02 | 0.02 | 0.07 | 0.22 | 0.35 | 0.45 | 0.21 | 0.38 | 0.30 | 0.21 | 0.03 | 0.03 | |
| 8 | 0.03 | 0.02 | 0.07 | 0.22 | 0.43 | 0.41 | 0.17 | 0.36 | 0.32 | 0.15 | 0.03 | 0.04 | |
| 9 | 0.02 | 0.03 | 0.09 | 0.24 | 0.35 | 0.37 | 0.31 | 0.36 | 0.21 | 0.15 | 0.03 | 0.02 | |
| 10 | 0.02 | 0.04 | 0.09 | 0.21 | 0.29 | 0.35 | 0.37 | 0.38 | 0.30 | 0.15 | 0.03 | 0.02 | |
| 11 | 0.02 | 0.03 | 0.10 | 0.24 | 0.31 | 0.34 | 0.33 | 0.33 | 0.32 | 0.14 | 0.03 | 0.05 | |
| 12 | 0.02 | 0.04 | 0.13 | 0.14 | 0.37 | 0.35 | 0.24 | 0.31 | 0.30 | 0.14 | 0.03 | 0.02 | |
| 13 | 0.02 | 0.03 | 0.10 | 0.18 | 0.41 | 0.34 | 0.23 | 0.35 | 0.31 | 0.12 | 0.03 | 0.02 | |
| 14 | 0.03 | 0.03 | 0.12 | 0.26 | 0.35 | 0.36 | 0.30 | 0.35 | 0.32 | 0.12 | 0.03 | 0.03 | |
| 15 | 0.02 | 0.03 | 0.14 | 0.29 | 0.32 | 0.40 | 0.36 | 0.35 | 0.32 | 0.11 | 0.03 | 0.02 | |
| 16 | 0.02 | 0.02 | 0.12 | 0.26 | 0.31 | 0.39 | 0.32 | 0.31 | 0.33 | 0.17 | 0.03 | 0.02 | |
| 17 | 0.02 | 0.03 | 0.12 | 0.26 | 0.30 | 0.38 | 0.39 | 0.34 | 0.29 | 0.14 | 0.03 | 0.02 | |
| 18 | 0.02 | 0.02 | 0.12 | 0.27 | 0.33 | 0.36 | 0.32 | 0.30 | 0.29 | 0.08 | 0.02 | 0.02 | |
| 19 | 0.02 | 0.03 | 0.14 | 0.30 | 0.35 | 0.36 | 0.37 | 0.26 | 0.30 | 0.08 | 0.02 | 0.04 | |
| 20 | 0.03 | 0.04 | 0.20 | 0.32 | 0.34 | 0.37 | 0.37 | 0.31 | 0.26 | 0.08 | 0.02 | 0.04 | |
| 21 | 0.04 | 0.03 | 0.16 | 0.33 | 0.35 | 0.43 | 0.37 | 0.32 | 0.17 | 0.06 | 0.04 | 0.03 | |
| 22 | 0.03 | 0.05 | 0.16 | 0.33 | 0.30 | 0.37 | 0.37 | 0.33 | 0.17 | 0.06 | 0.04 | 0.04 | |
| 23 | 0.02 | 0.03 | 0.19 | 0.24 | 0.28 | 0.39 | 0.41 | 0.26 | 0.17 | 0.05 | 0.03 | 0.03 | |
| 24 | 0.02 | 0.03 | 0.18 | 0.21 | 0.28 | 0.43 | 0.41 | 0.31 | 0.23 | 0.04 | 0.03 | 0.03 | |
| 25 | 0.02 | 0.04 | 0.16 | 0.23 | 0.30 | 0.43 | 0.39 | 0.32 | 0.23 | 0.04 | 0.02 | 0.02 | |
| 26 | 0.03 | 0.04 | 0.21 | 0.31 | 0.34 | 0.42 | 0.37 | 0.34 | 0.25 | 0.04 | 0.02 | 0.02 | |
| 27 | 0.02 | 0.03 | 0.21 | 0.36 | 0.36 | 0.39 | 0.23 | 0.35 | 0.28 | 0.04 | 0.02 | 0.02 | |
| 28 | 0.04 | 0.04 | 0.21 | 0.35 | 0.39 | 0.41 | 0.21 | 0.29 | 0.30 | 0.04 | 0.02 | 0.02 | |
| 29 | 0.02 | | 0.23 | 0.21 | 0.46 | 0.42 | 0.24 | 0.27 | 0.24 | 0.06 | 0.02 | 0.02 | |
| 30 | 0.02 | | 0.38 | 0.14 | 0.42 | 0.45 | 0.35 | 0.32 | 0.21 | 0.04 | 0.02 | 0.02 | |
| 31 | 0.03 | | 0.30 | | 0.41 | | 0.38 | 0.35 | | 0.04 | | 0.02 | |

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.246 | 0.246 | 0.276 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.998 | 0.250 | 0.250 |
| 2 | 0.246 | 0.246 | 0.306 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.968 | 0.250 | 0.250 |
| 3 | 0.246 | 0.246 | 0.337 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.937 | 0.250 | 0.250 |
| 4 | 0.246 | 0.246 | 0.367 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.907 | 0.250 | 0.250 |
| 5 | 0.246 | 0.246 | 0.397 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.877 | 0.250 | 0.250 |
| 6 | 0.246 | 0.246 | 0.427 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.846 | 0.250 | 0.250 |
| 7 | 0.246 | 0.246 | 0.457 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.816 | 0.250 | 0.250 |
| 8 | 0.246 | 0.246 | 0.487 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.786 | 0.250 | 0.250 |
| 9 | 0.246 | 0.246 | 0.517 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.755 | 0.250 | 0.250 |
| 10 | 0.246 | 0.246 | 0.547 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.725 | 0.250 | 0.250 |
| 11 | 0.246 | 0.246 | 0.577 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.695 | 0.250 | 0.250 |
| 12 | 0.246 | 0.246 | 0.608 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.664 | 0.250 | 0.250 |
| 13 | 0.246 | 0.246 | 0.638 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.634 | 0.250 | 0.250 |
| 14 | 0.246 | 0.246 | 0.668 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.604 | 0.250 | 0.250 |
| 15 | 0.246 | 0.246 | 0.698 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.574 | 0.250 | 0.250 |
| 16 | 0.246 | 0.246 | 0.728 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.543 | 0.250 | 0.250 |
| 17 | 0.246 | 0.246 | 0.758 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.513 | 0.250 | 0.250 |
| 18 | 0.246 | 0.246 | 0.788 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.483 | 0.250 | 0.250 |
| 19 | 0.246 | 0.246 | 0.818 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.452 | 0.250 | 0.250 |
| 20 | 0.246 | 0.246 | 0.848 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.422 | 0.250 | 0.250 |
| 21 | 0.246 | 0.246 | 0.879 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.392 | 0.250 | 0.250 |
| 22 | 0.246 | 0.246 | 0.909 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.361 | 0.250 | 0.250 |
| 23 | 0.246 | 0.246 | 0.939 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.331 | 0.250 | 0.250 |
| 24 | 0.246 | 0.246 | 0.969 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.301 | 0.250 | 0.250 |
| 25 | 0.246 | 0.246 | 0.999 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.270 | 0.250 | 0.250 |
| 26 | 0.246 | 0.246 | 1.029 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.240 | 0.250 | 0.250 |
| 27 | 0.246 | 0.246 | 1.059 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.119 | 0.250 | 0.250 | 0.250 |
| 28 | 0.246 | 0.246 | 1.089 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.089 | 0.250 | 0.250 | 0.250 |
| 29 | 0.246 | | 1.119 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.059 | 0.250 | 0.250 | 0.250 |
| 30 | 0.246 | | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.028 | 0.250 | 0.250 | 0.250 |
| 31 | 0.246 | | 1.150 | | 1.150 | | 1.150 | 1.150 | | 0.250 | | 0.250 |

ET calculations for Sheet AG: Page 1 of 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Barren [\leq 10% vegetation])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.08 | 0.06 | 0.09 | 0.04 | 0.05 | 0.08 | 0.11 | 0.09 | 0.08 | 0.06 | 0.04 | 0.06 | |
| 2 | 0.07 | 0.07 | 0.09 | 0.06 | 0.09 | 0.08 | 0.11 | 0.08 | 0.08 | 0.06 | 0.05 | 0.05 | |
| 3 | 0.07 | 0.06 | 0.11 | 0.06 | 0.07 | 0.08 | 0.11 | 0.08 | 0.07 | 0.05 | 0.05 | 0.09 | |
| 4 | 0.05 | 0.03 | 0.09 | 0.05 | 0.07 | 0.08 | 0.10 | 0.09 | 0.07 | 0.05 | 0.05 | 0.05 | |
| 5 | 0.05 | 0.03 | 0.07 | 0.05 | 0.07 | 0.07 | 0.09 | 0.09 | 0.08 | 0.06 | 0.05 | 0.04 | |
| 6 | 0.05 | 0.04 | 0.09 | 0.06 | 0.07 | 0.09 | 0.10 | 0.09 | 0.07 | 0.08 | 0.04 | 0.04 | |
| 7 | 0.05 | 0.05 | 0.08 | 0.06 | 0.08 | 0.11 | 0.05 | 0.09 | 0.07 | 0.07 | 0.04 | 0.06 | |
| 8 | 0.08 | 0.05 | 0.07 | 0.05 | 0.10 | 0.10 | 0.04 | 0.09 | 0.08 | 0.05 | 0.04 | 0.08 | |
| 9 | 0.05 | 0.07 | 0.09 | 0.06 | 0.08 | 0.09 | 0.07 | 0.09 | 0.05 | 0.06 | 0.04 | 0.03 | |
| 10 | 0.04 | 0.09 | 0.08 | 0.05 | 0.07 | 0.08 | 0.09 | 0.09 | 0.07 | 0.06 | 0.04 | 0.05 | |
| 11 | 0.05 | 0.07 | 0.09 | 0.06 | 0.07 | 0.08 | 0.08 | 0.08 | 0.07 | 0.05 | 0.05 | 0.10 | |
| 12 | 0.05 | 0.08 | 0.10 | 0.03 | 0.09 | 0.08 | 0.06 | 0.07 | 0.07 | 0.06 | 0.05 | 0.04 | |
| 13 | 0.05 | 0.07 | 0.07 | 0.04 | 0.10 | 0.08 | 0.05 | 0.08 | 0.07 | 0.05 | 0.05 | 0.05 | |
| 14 | 0.06 | 0.08 | 0.08 | 0.06 | 0.08 | 0.09 | 0.07 | 0.08 | 0.08 | 0.05 | 0.05 | 0.07 | |
| 15 | 0.05 | 0.08 | 0.09 | 0.07 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.05 | 0.05 | |
| 16 | 0.05 | 0.05 | 0.07 | 0.06 | 0.07 | 0.09 | 0.08 | 0.07 | 0.08 | 0.09 | 0.04 | 0.05 | |
| 17 | 0.05 | 0.06 | 0.07 | 0.06 | 0.07 | 0.09 | 0.09 | 0.08 | 0.07 | 0.08 | 0.05 | 0.05 | |
| 18 | 0.05 | 0.05 | 0.07 | 0.06 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.05 | 0.04 | 0.04 | |
| 19 | 0.05 | 0.08 | 0.07 | 0.07 | 0.08 | 0.09 | 0.09 | 0.06 | 0.07 | 0.05 | 0.04 | 0.09 | |
| 20 | 0.07 | 0.08 | 0.10 | 0.08 | 0.08 | 0.09 | 0.09 | 0.07 | 0.06 | 0.06 | 0.04 | 0.08 | |
| 21 | 0.09 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.09 | 0.07 | 0.04 | 0.05 | 0.07 | 0.07 | |
| 22 | 0.06 | 0.11 | 0.07 | 0.08 | 0.07 | 0.09 | 0.09 | 0.08 | 0.04 | 0.05 | 0.08 | 0.09 | |
| 23 | 0.05 | 0.08 | 0.08 | 0.06 | 0.07 | 0.09 | 0.10 | 0.06 | 0.04 | 0.05 | 0.05 | 0.07 | |
| 24 | 0.05 | 0.07 | 0.07 | 0.05 | 0.07 | 0.10 | 0.10 | 0.07 | 0.05 | 0.05 | 0.05 | 0.06 | |
| 25 | 0.06 | 0.10 | 0.06 | 0.06 | 0.07 | 0.10 | 0.09 | 0.08 | 0.05 | 0.05 | 0.04 | 0.05 | |
| 26 | 0.06 | 0.09 | 0.08 | 0.07 | 0.08 | 0.10 | 0.09 | 0.08 | 0.06 | 0.05 | 0.04 | 0.06 | |
| 27 | 0.05 | 0.07 | 0.07 | 0.09 | 0.08 | 0.09 | 0.05 | 0.08 | 0.07 | 0.05 | 0.04 | 0.05 | |
| 28 | 0.08 | 0.08 | 0.07 | 0.08 | 0.09 | 0.10 | 0.05 | 0.07 | 0.07 | 0.05 | 0.05 | 0.04 | |
| 29 | 0.05 | | 0.07 | 0.05 | 0.11 | 0.10 | 0.06 | 0.06 | 0.06 | 0.09 | 0.04 | 0.04 | |
| 30 | 0.05 | | 0.12 | 0.03 | 0.10 | 0.11 | 0.08 | 0.08 | 0.06 | 0.06 | 0.04 | 0.05 | |
| 31 | 0.07 | | 0.09 | | 0.10 | | 0.09 | 0.08 | | 0.05 | | 0.06 | |

1999 PHREATOPHYTE ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.551 | 0.551 | 0.551 | 0.335 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.359 | 0.490 |
| 2 | 0.551 | 0.551 | 0.544 | 0.328 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.364 | 0.495 |
| 3 | 0.551 | 0.551 | 0.537 | 0.321 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.368 | 0.499 |
| 4 | 0.551 | 0.551 | 0.530 | 0.314 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.372 | 0.504 |
| 5 | 0.551 | 0.551 | 0.523 | 0.307 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.377 | 0.508 |
| 6 | 0.551 | 0.551 | 0.516 | 0.300 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.381 | 0.512 |
| 7 | 0.551 | 0.551 | 0.509 | 0.293 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.385 | 0.517 |
| 8 | 0.551 | 0.551 | 0.502 | 0.286 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.390 | 0.521 |
| 9 | 0.551 | 0.551 | 0.495 | 0.279 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.394 | 0.525 |
| 10 | 0.551 | 0.551 | 0.488 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.399 | 0.530 |
| 11 | 0.551 | 0.551 | 0.481 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.403 | 0.534 |
| 12 | 0.551 | 0.551 | 0.474 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.407 | 0.539 |
| 13 | 0.551 | 0.551 | 0.467 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.276 | 0.412 | 0.543 |
| 14 | 0.551 | 0.551 | 0.460 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.280 | 0.416 | 0.547 |
| 15 | 0.551 | 0.551 | 0.453 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.285 | 0.420 | 0.552 |
| 16 | 0.551 | 0.551 | 0.446 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.289 | 0.425 | 0.556 |
| 17 | 0.551 | 0.551 | 0.439 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.294 | 0.429 | 0.560 |
| 18 | 0.551 | 0.551 | 0.432 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.298 | 0.434 | 0.565 |
| 19 | 0.551 | 0.551 | 0.425 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.302 | 0.438 | 0.569 |
| 20 | 0.551 | 0.551 | 0.419 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.307 | 0.442 | 0.574 |
| 21 | 0.551 | 0.551 | 0.412 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.311 | 0.447 | 0.578 |
| 22 | 0.551 | 0.551 | 0.405 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.315 | 0.451 | 0.582 |
| 23 | 0.551 | 0.551 | 0.398 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.320 | 0.455 | 0.587 |
| 24 | 0.551 | 0.551 | 0.391 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.324 | 0.460 | 0.591 |
| 25 | 0.551 | 0.551 | 0.384 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.329 | 0.464 | 0.595 |
| 26 | 0.551 | 0.551 | 0.377 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.333 | 0.469 | 0.600 |
| 27 | 0.551 | 0.551 | 0.370 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.337 | 0.473 | 0.604 |
| 28 | 0.551 | 0.551 | 0.363 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.342 | 0.477 | 0.609 |
| 29 | 0.551 | | 0.356 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.346 | 0.482 | 0.613 |
| 30 | 0.551 | | 0.349 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.350 | 0.486 | 0.617 |
| 31 | 0.551 | | 0.342 | | 0.272 | | 0.272 | 0.272 | | 0.355 | | 0.622 |

ET calculations for Sheet AH: Page 1 of 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Sc-low [11-60% salt cedar & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.03 | 0.02 | 0.04 | 0.03 | 0.10 | 0.24 | 0.38 | 0.31 | 0.27 | 0.17 | 0.06 | 0.03 | |
| 2 | 0.02 | 0.02 | 0.04 | 0.04 | 0.17 | 0.27 | 0.38 | 0.26 | 0.27 | 0.19 | 0.07 | 0.03 | |
| 3 | 0.03 | 0.02 | 0.04 | 0.04 | 0.14 | 0.27 | 0.37 | 0.28 | 0.24 | 0.15 | 0.07 | 0.05 | |
| 4 | 0.02 | 0.01 | 0.03 | 0.03 | 0.14 | 0.26 | 0.34 | 0.31 | 0.23 | 0.16 | 0.06 | 0.03 | |
| 5 | 0.02 | 0.01 | 0.03 | 0.04 | 0.15 | 0.24 | 0.30 | 0.31 | 0.26 | 0.17 | 0.06 | 0.02 | |
| 6 | 0.02 | 0.01 | 0.04 | 0.04 | 0.15 | 0.30 | 0.32 | 0.30 | 0.24 | 0.22 | 0.05 | 0.02 | |
| 7 | 0.02 | 0.02 | 0.03 | 0.04 | 0.17 | 0.35 | 0.17 | 0.30 | 0.24 | 0.20 | 0.06 | 0.02 | |
| 8 | 0.03 | 0.02 | 0.03 | 0.05 | 0.22 | 0.33 | 0.14 | 0.29 | 0.25 | 0.15 | 0.05 | 0.03 | |
| 9 | 0.02 | 0.03 | 0.04 | 0.05 | 0.18 | 0.30 | 0.24 | 0.29 | 0.17 | 0.15 | 0.05 | 0.01 | |
| 10 | 0.02 | 0.04 | 0.03 | 0.05 | 0.16 | 0.28 | 0.29 | 0.30 | 0.24 | 0.15 | 0.05 | 0.02 | |
| 11 | 0.02 | 0.03 | 0.04 | 0.06 | 0.17 | 0.26 | 0.26 | 0.26 | 0.25 | 0.14 | 0.05 | 0.04 | |
| 12 | 0.02 | 0.03 | 0.04 | 0.04 | 0.21 | 0.27 | 0.19 | 0.25 | 0.23 | 0.15 | 0.06 | 0.02 | |
| 13 | 0.02 | 0.03 | 0.03 | 0.05 | 0.23 | 0.27 | 0.18 | 0.28 | 0.24 | 0.13 | 0.06 | 0.02 | |
| 14 | 0.02 | 0.03 | 0.04 | 0.07 | 0.20 | 0.29 | 0.24 | 0.28 | 0.25 | 0.14 | 0.05 | 0.02 | |
| 15 | 0.02 | 0.03 | 0.04 | 0.08 | 0.19 | 0.31 | 0.28 | 0.28 | 0.25 | 0.13 | 0.05 | 0.02 | |
| 16 | 0.02 | 0.02 | 0.03 | 0.08 | 0.19 | 0.30 | 0.25 | 0.24 | 0.26 | 0.21 | 0.04 | 0.02 | |
| 17 | 0.02 | 0.02 | 0.03 | 0.08 | 0.18 | 0.30 | 0.31 | 0.27 | 0.23 | 0.19 | 0.05 | 0.02 | |
| 18 | 0.02 | 0.02 | 0.03 | 0.08 | 0.20 | 0.28 | 0.26 | 0.24 | 0.23 | 0.11 | 0.04 | 0.01 | |
| 19 | 0.02 | 0.03 | 0.04 | 0.10 | 0.22 | 0.28 | 0.29 | 0.21 | 0.23 | 0.12 | 0.04 | 0.03 | |
| 20 | 0.03 | 0.03 | 0.05 | 0.11 | 0.22 | 0.29 | 0.30 | 0.24 | 0.21 | 0.12 | 0.03 | 0.03 | |
| 21 | 0.03 | 0.03 | 0.04 | 0.11 | 0.23 | 0.34 | 0.29 | 0.25 | 0.13 | 0.11 | 0.06 | 0.02 | |
| 22 | 0.02 | 0.04 | 0.04 | 0.12 | 0.20 | 0.29 | 0.29 | 0.26 | 0.13 | 0.11 | 0.06 | 0.03 | |
| 23 | 0.02 | 0.03 | 0.04 | 0.09 | 0.19 | 0.30 | 0.32 | 0.20 | 0.13 | 0.10 | 0.04 | 0.02 | |
| 24 | 0.02 | 0.03 | 0.04 | 0.08 | 0.19 | 0.34 | 0.32 | 0.24 | 0.17 | 0.09 | 0.04 | 0.02 | |
| 25 | 0.02 | 0.04 | 0.03 | 0.09 | 0.21 | 0.34 | 0.30 | 0.25 | 0.17 | 0.10 | 0.03 | 0.02 | |
| 26 | 0.02 | 0.03 | 0.04 | 0.12 | 0.24 | 0.33 | 0.29 | 0.27 | 0.19 | 0.09 | 0.03 | 0.02 | |
| 27 | 0.02 | 0.03 | 0.04 | 0.15 | 0.25 | 0.31 | 0.18 | 0.28 | 0.21 | 0.08 | 0.03 | 0.02 | |
| 28 | 0.03 | 0.03 | 0.04 | 0.14 | 0.28 | 0.32 | 0.17 | 0.23 | 0.23 | 0.09 | 0.03 | 0.01 | |
| 29 | 0.02 | | 0.04 | 0.09 | 0.33 | 0.33 | 0.19 | 0.21 | 0.19 | 0.15 | 0.02 | 0.01 | |
| 30 | 0.02 | | 0.07 | 0.06 | 0.31 | 0.35 | 0.27 | 0.25 | 0.17 | 0.09 | 0.02 | 0.01 | |
| 31 | 0.03 | | 0.05 | | 0.31 | | 0.30 | 0.27 | | 0.08 | | 0.02 | |

Sc-low

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.207 | 0.207 | 0.207 | 0.207 | 0.510 | 0.871 | 0.906 | 0.906 | 0.906 | 0.826 | 0.548 | 0.280 |
| 2 | 0.207 | 0.207 | 0.207 | 0.207 | 0.521 | 0.883 | 0.906 | 0.906 | 0.906 | 0.817 | 0.539 | 0.271 |
| 3 | 0.207 | 0.207 | 0.207 | 0.207 | 0.533 | 0.894 | 0.906 | 0.906 | 0.906 | 0.808 | 0.530 | 0.262 |
| 4 | 0.207 | 0.207 | 0.207 | 0.207 | 0.545 | 0.906 | 0.906 | 0.906 | 0.906 | 0.799 | 0.521 | 0.253 |
| 5 | 0.207 | 0.207 | 0.207 | 0.207 | 0.556 | 0.906 | 0.906 | 0.906 | 0.906 | 0.790 | 0.512 | 0.244 |
| 6 | 0.207 | 0.207 | 0.207 | 0.218 | 0.568 | 0.906 | 0.906 | 0.906 | 0.906 | 0.781 | 0.503 | 0.235 |
| 7 | 0.207 | 0.207 | 0.207 | 0.230 | 0.580 | 0.906 | 0.906 | 0.906 | 0.906 | 0.772 | 0.494 | 0.226 |
| 8 | 0.207 | 0.207 | 0.207 | 0.242 | 0.591 | 0.906 | 0.906 | 0.906 | 0.906 | 0.763 | 0.485 | 0.217 |
| 9 | 0.207 | 0.207 | 0.207 | 0.253 | 0.603 | 0.906 | 0.906 | 0.906 | 0.906 | 0.754 | 0.476 | 0.208 |
| 10 | 0.207 | 0.207 | 0.207 | 0.265 | 0.615 | 0.906 | 0.906 | 0.906 | 0.906 | 0.745 | 0.467 | 0.199 |
| 11 | 0.207 | 0.207 | 0.207 | 0.277 | 0.626 | 0.906 | 0.906 | 0.906 | 0.906 | 0.736 | 0.459 | 0.190 |
| 12 | 0.207 | 0.207 | 0.207 | 0.288 | 0.638 | 0.906 | 0.906 | 0.906 | 0.906 | 0.727 | 0.450 | 0.200 |
| 13 | 0.207 | 0.207 | 0.207 | 0.300 | 0.650 | 0.906 | 0.906 | 0.906 | 0.906 | 0.718 | 0.441 | 0.200 |
| 14 | 0.207 | 0.207 | 0.207 | 0.312 | 0.661 | 0.906 | 0.906 | 0.906 | 0.906 | 0.709 | 0.432 | 0.200 |
| 15 | 0.207 | 0.207 | 0.207 | 0.323 | 0.673 | 0.906 | 0.906 | 0.906 | 0.906 | 0.700 | 0.423 | 0.200 |
| 16 | 0.207 | 0.207 | 0.207 | 0.335 | 0.685 | 0.906 | 0.906 | 0.906 | 0.906 | 0.691 | 0.414 | 0.200 |
| 17 | 0.207 | 0.207 | 0.207 | 0.346 | 0.696 | 0.906 | 0.906 | 0.906 | 0.906 | 0.682 | 0.405 | 0.200 |
| 18 | 0.207 | 0.207 | 0.207 | 0.358 | 0.708 | 0.906 | 0.906 | 0.906 | 0.906 | 0.673 | 0.396 | 0.200 |
| 19 | 0.207 | 0.207 | 0.207 | 0.370 | 0.720 | 0.906 | 0.906 | 0.906 | 0.906 | 0.664 | 0.387 | 0.200 |
| 20 | 0.207 | 0.207 | 0.207 | 0.381 | 0.731 | 0.906 | 0.906 | 0.906 | 0.906 | 0.655 | 0.378 | 0.200 |
| 21 | 0.207 | 0.207 | 0.207 | 0.393 | 0.743 | 0.906 | 0.906 | 0.906 | 0.906 | 0.647 | 0.369 | 0.200 |
| 22 | 0.207 | 0.207 | 0.207 | 0.405 | 0.755 | 0.906 | 0.906 | 0.906 | 0.906 | 0.638 | 0.360 | 0.200 |
| 23 | 0.207 | 0.207 | 0.207 | 0.416 | 0.766 | 0.906 | 0.906 | 0.906 | 0.897 | 0.629 | 0.351 | 0.200 |
| 24 | 0.207 | 0.207 | 0.207 | 0.428 | 0.778 | 0.906 | 0.906 | 0.906 | 0.888 | 0.620 | 0.342 | 0.200 |
| 25 | 0.207 | 0.207 | 0.207 | 0.440 | 0.790 | 0.906 | 0.906 | 0.906 | 0.879 | 0.611 | 0.333 | 0.200 |
| 26 | 0.207 | 0.207 | 0.207 | 0.451 | 0.801 | 0.906 | 0.906 | 0.906 | 0.870 | 0.602 | 0.324 | 0.200 |
| 27 | 0.207 | 0.207 | 0.207 | 0.463 | 0.813 | 0.906 | 0.906 | 0.906 | 0.861 | 0.593 | 0.315 | 0.200 |
| 28 | 0.207 | 0.207 | 0.207 | 0.475 | 0.825 | 0.906 | 0.906 | 0.906 | 0.852 | 0.584 | 0.306 | 0.200 |
| 29 | 0.207 | | 0.207 | 0.486 | 0.836 | 0.906 | 0.906 | 0.906 | 0.843 | 0.575 | 0.297 | 0.200 |
| 30 | 0.207 | | 0.207 | 0.498 | 0.848 | 0.906 | 0.906 | 0.906 | 0.835 | 0.566 | 0.288 | 0.200 |
| 31 | 0.207 | | 0.207 | | 0.859 | | 0.906 | 0.906 | | 0.557 | | 0.200 |

ET calculations for Sheet AI: Page 1 of 2 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Sc-high [61-100% salt cedar & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.03 | 0.02 | 0.04 | 0.07 | 0.17 | 0.30 | 0.45 | 0.36 | 0.28 | 0.14 | 0.05 | 0.02 | |
| 2 | 0.02 | 0.02 | 0.05 | 0.10 | 0.29 | 0.33 | 0.45 | 0.31 | 0.28 | 0.15 | 0.05 | 0.02 | |
| 3 | 0.03 | 0.02 | 0.06 | 0.11 | 0.23 | 0.33 | 0.44 | 0.33 | 0.24 | 0.13 | 0.05 | 0.04 | |
| 4 | 0.02 | 0.01 | 0.05 | 0.10 | 0.22 | 0.31 | 0.40 | 0.36 | 0.24 | 0.13 | 0.05 | 0.02 | |
| 5 | 0.02 | 0.01 | 0.04 | 0.11 | 0.25 | 0.28 | 0.35 | 0.37 | 0.26 | 0.14 | 0.05 | 0.02 | |
| 6 | 0.02 | 0.01 | 0.05 | 0.12 | 0.25 | 0.35 | 0.38 | 0.36 | 0.24 | 0.18 | 0.04 | 0.02 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.12 | 0.28 | 0.42 | 0.20 | 0.35 | 0.23 | 0.16 | 0.04 | 0.02 | |
| 8 | 0.03 | 0.02 | 0.05 | 0.12 | 0.35 | 0.39 | 0.16 | 0.34 | 0.25 | 0.12 | 0.04 | 0.03 | |
| 9 | 0.02 | 0.03 | 0.06 | 0.14 | 0.29 | 0.35 | 0.29 | 0.34 | 0.16 | 0.12 | 0.04 | 0.01 | |
| 10 | 0.02 | 0.04 | 0.05 | 0.12 | 0.25 | 0.33 | 0.35 | 0.36 | 0.23 | 0.13 | 0.04 | 0.02 | |
| 11 | 0.02 | 0.03 | 0.06 | 0.14 | 0.26 | 0.31 | 0.31 | 0.31 | 0.24 | 0.12 | 0.04 | 0.04 | |
| 12 | 0.02 | 0.03 | 0.08 | 0.09 | 0.32 | 0.32 | 0.22 | 0.29 | 0.22 | 0.12 | 0.04 | 0.02 | |
| 13 | 0.02 | 0.03 | 0.06 | 0.11 | 0.36 | 0.32 | 0.21 | 0.33 | 0.22 | 0.11 | 0.04 | 0.02 | |
| 14 | 0.02 | 0.03 | 0.07 | 0.16 | 0.31 | 0.34 | 0.28 | 0.33 | 0.23 | 0.11 | 0.03 | 0.02 | |
| 15 | 0.02 | 0.03 | 0.08 | 0.18 | 0.28 | 0.37 | 0.33 | 0.33 | 0.23 | 0.11 | 0.03 | 0.02 | |
| 16 | 0.02 | 0.02 | 0.07 | 0.16 | 0.28 | 0.36 | 0.30 | 0.29 | 0.24 | 0.17 | 0.03 | 0.02 | |
| 17 | 0.02 | 0.02 | 0.07 | 0.17 | 0.27 | 0.35 | 0.36 | 0.32 | 0.20 | 0.15 | 0.03 | 0.02 | |
| 18 | 0.02 | 0.02 | 0.07 | 0.17 | 0.30 | 0.33 | 0.30 | 0.28 | 0.20 | 0.08 | 0.03 | 0.01 | |
| 19 | 0.02 | 0.03 | 0.08 | 0.20 | 0.32 | 0.33 | 0.34 | 0.24 | 0.20 | 0.09 | 0.02 | 0.03 | |
| 20 | 0.03 | 0.03 | 0.11 | 0.22 | 0.32 | 0.34 | 0.35 | 0.28 | 0.18 | 0.10 | 0.02 | 0.03 | |
| 21 | 0.03 | 0.03 | 0.09 | 0.22 | 0.33 | 0.40 | 0.34 | 0.29 | 0.11 | 0.08 | 0.04 | 0.02 | |
| 22 | 0.02 | 0.04 | 0.08 | 0.22 | 0.28 | 0.34 | 0.35 | 0.30 | 0.11 | 0.08 | 0.04 | 0.03 | |
| 23 | 0.02 | 0.03 | 0.10 | 0.16 | 0.26 | 0.36 | 0.38 | 0.23 | 0.11 | 0.08 | 0.02 | 0.02 | |
| 24 | 0.02 | 0.03 | 0.09 | 0.14 | 0.26 | 0.40 | 0.38 | 0.27 | 0.15 | 0.07 | 0.02 | 0.02 | |
| 25 | 0.02 | 0.04 | 0.08 | 0.17 | 0.28 | 0.40 | 0.36 | 0.28 | 0.15 | 0.07 | 0.02 | 0.02 | |
| 26 | 0.02 | 0.04 | 0.10 | 0.22 | 0.32 | 0.39 | 0.34 | 0.29 | 0.16 | 0.07 | 0.02 | 0.02 | |
| 27 | 0.02 | 0.03 | 0.10 | 0.26 | 0.33 | 0.36 | 0.21 | 0.30 | 0.18 | 0.06 | 0.02 | 0.02 | |
| 28 | 0.03 | 0.04 | 0.10 | 0.26 | 0.36 | 0.38 | 0.20 | 0.25 | 0.19 | 0.07 | 0.02 | 0.01 | |
| 29 | 0.02 | | 0.11 | 0.15 | 0.43 | 0.39 | 0.22 | 0.23 | 0.16 | 0.11 | 0.02 | 0.01 | |
| 30 | 0.02 | | 0.18 | 0.11 | 0.39 | 0.42 | 0.32 | 0.27 | 0.14 | 0.07 | 0.02 | 0.01 | |
| 31 | 0.03 | | 0.14 | | 0.38 | | 0.35 | 0.29 | | 0.06 | | 0.02 | |

1999 PHREATOPHYTE ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.207 | 0.207 | 0.257 | 0.572 | 0.877 | 1.070 | 1.070 | 1.070 | 0.947 | 0.683 | 0.410 | 0.200 |
| 2 | 0.207 | 0.207 | 0.268 | 0.582 | 0.887 | 1.070 | 1.070 | 1.070 | 0.938 | 0.674 | 0.401 | 0.200 |
| 3 | 0.207 | 0.207 | 0.278 | 0.593 | 0.897 | 1.070 | 1.070 | 1.070 | 0.929 | 0.665 | 0.392 | 0.200 |
| 4 | 0.207 | 0.207 | 0.288 | 0.603 | 0.907 | 1.070 | 1.070 | 1.070 | 0.920 | 0.656 | 0.384 | 0.200 |
| 5 | 0.207 | 0.207 | 0.298 | 0.613 | 0.918 | 1.070 | 1.070 | 1.070 | 0.912 | 0.648 | 0.375 | 0.200 |
| 6 | 0.207 | 0.207 | 0.308 | 0.623 | 0.928 | 1.070 | 1.070 | 1.070 | 0.903 | 0.639 | 0.366 | 0.200 |
| 7 | 0.207 | 0.207 | 0.318 | 0.633 | 0.938 | 1.070 | 1.070 | 1.070 | 0.894 | 0.630 | 0.357 | 0.200 |
| 8 | 0.207 | 0.207 | 0.328 | 0.643 | 0.948 | 1.070 | 1.070 | 1.070 | 0.885 | 0.621 | 0.348 | 0.200 |
| 9 | 0.207 | 0.207 | 0.339 | 0.653 | 0.958 | 1.070 | 1.070 | 1.070 | 0.876 | 0.612 | 0.340 | 0.200 |
| 10 | 0.207 | 0.207 | 0.349 | 0.664 | 0.968 | 1.070 | 1.070 | 1.070 | 0.868 | 0.604 | 0.331 | 0.200 |
| 11 | 0.207 | 0.207 | 0.359 | 0.674 | 0.979 | 1.070 | 1.070 | 1.070 | 0.859 | 0.595 | 0.322 | 0.200 |
| 12 | 0.207 | 0.207 | 0.369 | 0.684 | 0.989 | 1.070 | 1.070 | 1.070 | 0.850 | 0.586 | 0.313 | 0.200 |
| 13 | 0.207 | 0.207 | 0.379 | 0.694 | 0.999 | 1.070 | 1.070 | 1.070 | 0.841 | 0.577 | 0.304 | 0.200 |
| 14 | 0.207 | 0.207 | 0.389 | 0.704 | 1.009 | 1.070 | 1.070 | 1.070 | 0.832 | 0.568 | 0.296 | 0.200 |
| 15 | 0.207 | 0.207 | 0.400 | 0.714 | 1.019 | 1.070 | 1.070 | 1.070 | 0.824 | 0.560 | 0.287 | 0.200 |
| 16 | 0.207 | 0.207 | 0.410 | 0.725 | 1.029 | 1.070 | 1.070 | 1.070 | 0.815 | 0.551 | 0.278 | 0.200 |
| 17 | 0.207 | 0.207 | 0.420 | 0.735 | 1.039 | 1.070 | 1.070 | 1.070 | 0.806 | 0.542 | 0.269 | 0.200 |
| 18 | 0.207 | 0.207 | 0.430 | 0.745 | 1.050 | 1.070 | 1.070 | 1.070 | 0.797 | 0.533 | 0.260 | 0.200 |
| 19 | 0.207 | 0.207 | 0.440 | 0.755 | 1.060 | 1.070 | 1.070 | 1.061 | 0.788 | 0.524 | 0.252 | 0.200 |
| 20 | 0.207 | 0.207 | 0.450 | 0.765 | 1.070 | 1.070 | 1.070 | 1.052 | 0.780 | 0.516 | 0.243 | 0.200 |
| 21 | 0.207 | 0.207 | 0.461 | 0.775 | 1.070 | 1.070 | 1.070 | 1.044 | 0.771 | 0.507 | 0.234 | 0.200 |
| 22 | 0.207 | 0.207 | 0.471 | 0.786 | 1.070 | 1.070 | 1.070 | 1.035 | 0.762 | 0.498 | 0.225 | 0.200 |
| 23 | 0.207 | 0.207 | 0.481 | 0.796 | 1.070 | 1.070 | 1.070 | 1.026 | 0.753 | 0.489 | 0.216 | 0.200 |
| 24 | 0.207 | 0.207 | 0.491 | 0.806 | 1.070 | 1.070 | 1.070 | 1.017 | 0.744 | 0.480 | 0.208 | 0.200 |
| 25 | 0.207 | 0.217 | 0.501 | 0.816 | 1.070 | 1.070 | 1.070 | 1.008 | 0.736 | 0.472 | 0.199 | 0.200 |
| 26 | 0.207 | 0.227 | 0.511 | 0.826 | 1.070 | 1.070 | 1.070 | 1.000 | 0.727 | 0.463 | 0.190 | 0.200 |
| 27 | 0.207 | 0.237 | 0.521 | 0.836 | 1.070 | 1.070 | 1.070 | 0.991 | 0.718 | 0.454 | 0.200 | 0.200 |
| 28 | 0.207 | 0.247 | 0.532 | 0.846 | 1.070 | 1.070 | 1.070 | 0.982 | 0.709 | 0.445 | 0.200 | 0.200 |
| 29 | 0.207 | | 0.542 | 0.857 | 1.070 | 1.070 | 1.070 | 0.973 | 0.700 | 0.436 | 0.200 | 0.200 |
| 30 | 0.207 | | 0.552 | 0.867 | 1.070 | 1.070 | 1.070 | 0.964 | 0.692 | 0.428 | 0.200 | 0.200 |
| 31 | 0.207 | | 0.562 | | 1.070 | | 1.070 | 0.956 | | 0.419 | | 0.200 |

ET calculations for Sheet AJ: Page 1 of 2 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Sc/ms [11-60% salt cedar & 11-60% mesquite & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|-------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.07 | 0.16 | 0.31 | 0.47 | 0.38 | 0.33 | 0.17 | 0.07 | 0.04 | |
| 2 | 0.04 | 0.04 | 0.05 | 0.10 | 0.27 | 0.35 | 0.47 | 0.32 | 0.32 | 0.19 | 0.07 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.10 | 0.22 | 0.34 | 0.46 | 0.35 | 0.28 | 0.16 | 0.07 | 0.06 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.09 | 0.21 | 0.33 | 0.42 | 0.38 | 0.27 | 0.16 | 0.07 | 0.03 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.10 | 0.24 | 0.30 | 0.37 | 0.39 | 0.30 | 0.18 | 0.07 | 0.02 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.11 | 0.23 | 0.37 | 0.40 | 0.37 | 0.28 | 0.22 | 0.06 | 0.02 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.11 | 0.27 | 0.44 | 0.21 | 0.37 | 0.27 | 0.21 | 0.06 | 0.03 | |
| 8 | 0.04 | 0.03 | 0.04 | 0.11 | 0.34 | 0.40 | 0.17 | 0.35 | 0.29 | 0.15 | 0.05 | 0.05 | |
| 9 | 0.03 | 0.04 | 0.05 | 0.13 | 0.28 | 0.36 | 0.30 | 0.35 | 0.19 | 0.16 | 0.06 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.11 | 0.23 | 0.34 | 0.36 | 0.37 | 0.26 | 0.16 | 0.05 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.13 | 0.25 | 0.33 | 0.32 | 0.32 | 0.28 | 0.15 | 0.06 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.07 | 0.08 | 0.30 | 0.34 | 0.23 | 0.31 | 0.26 | 0.15 | 0.06 | 0.02 | |
| 13 | 0.03 | 0.04 | 0.05 | 0.10 | 0.34 | 0.33 | 0.22 | 0.34 | 0.26 | 0.14 | 0.06 | 0.03 | |
| 14 | 0.03 | 0.04 | 0.06 | 0.15 | 0.29 | 0.35 | 0.29 | 0.34 | 0.27 | 0.14 | 0.05 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.07 | 0.17 | 0.27 | 0.39 | 0.35 | 0.34 | 0.27 | 0.14 | 0.05 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.15 | 0.27 | 0.38 | 0.31 | 0.30 | 0.28 | 0.22 | 0.05 | 0.02 | |
| 17 | 0.03 | 0.03 | 0.06 | 0.16 | 0.26 | 0.37 | 0.38 | 0.34 | 0.24 | 0.20 | 0.06 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.06 | 0.16 | 0.29 | 0.35 | 0.32 | 0.29 | 0.24 | 0.11 | 0.04 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.18 | 0.31 | 0.35 | 0.36 | 0.26 | 0.24 | 0.12 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.10 | 0.20 | 0.30 | 0.36 | 0.36 | 0.30 | 0.21 | 0.13 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.04 | 0.08 | 0.21 | 0.31 | 0.42 | 0.36 | 0.31 | 0.14 | 0.11 | 0.06 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.08 | 0.21 | 0.27 | 0.36 | 0.36 | 0.33 | 0.13 | 0.11 | 0.07 | 0.05 | |
| 23 | 0.03 | 0.04 | 0.09 | 0.15 | 0.26 | 0.38 | 0.40 | 0.25 | 0.14 | 0.11 | 0.04 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.08 | 0.14 | 0.26 | 0.42 | 0.40 | 0.30 | 0.18 | 0.10 | 0.05 | 0.03 | |
| 25 | 0.03 | 0.06 | 0.07 | 0.16 | 0.28 | 0.42 | 0.38 | 0.31 | 0.18 | 0.10 | 0.03 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.09 | 0.21 | 0.32 | 0.41 | 0.36 | 0.33 | 0.19 | 0.09 | 0.03 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.10 | 0.25 | 0.34 | 0.38 | 0.22 | 0.34 | 0.21 | 0.09 | 0.03 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.10 | 0.24 | 0.37 | 0.40 | 0.21 | 0.29 | 0.24 | 0.09 | 0.03 | 0.02 | |
| 29 | 0.03 | | 0.10 | 0.14 | 0.44 | 0.41 | 0.23 | 0.26 | 0.20 | 0.15 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.17 | 0.10 | 0.41 | 0.44 | 0.34 | 0.31 | 0.17 | 0.10 | 0.03 | 0.02 | |
| 31 | 0.04 | | 0.13 | | 0.40 | | 0.37 | 0.33 | | 0.09 | | 0.03 | |

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.527 | 0.828 | 1.120 | 1.120 | 1.120 | 1.087 | 0.838 | 0.580 | 0.331 |
| 2 | 0.315 | 0.315 | 0.315 | 0.537 | 0.838 | 1.120 | 1.120 | 1.120 | 1.078 | 0.829 | 0.572 | 0.323 |
| 3 | 0.315 | 0.315 | 0.315 | 0.547 | 0.848 | 1.120 | 1.120 | 1.120 | 1.070 | 0.821 | 0.564 | 0.315 |
| 4 | 0.315 | 0.315 | 0.315 | 0.557 | 0.858 | 1.120 | 1.120 | 1.120 | 1.062 | 0.813 | 0.556 | 0.307 |
| 5 | 0.315 | 0.315 | 0.315 | 0.567 | 0.868 | 1.120 | 1.120 | 1.120 | 1.054 | 0.805 | 0.547 | 0.298 |
| 6 | 0.315 | 0.315 | 0.315 | 0.577 | 0.879 | 1.120 | 1.120 | 1.120 | 1.045 | 0.796 | 0.539 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.587 | 0.889 | 1.120 | 1.120 | 1.120 | 1.037 | 0.788 | 0.531 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.597 | 0.899 | 1.120 | 1.120 | 1.120 | 1.029 | 0.780 | 0.522 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.607 | 0.909 | 1.120 | 1.120 | 1.120 | 1.020 | 0.771 | 0.514 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.617 | 0.919 | 1.120 | 1.120 | 1.120 | 1.012 | 0.763 | 0.506 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.627 | 0.929 | 1.120 | 1.120 | 1.120 | 1.004 | 0.755 | 0.497 | 0.300 |
| 12 | 0.315 | 0.315 | 0.325 | 0.637 | 0.939 | 1.120 | 1.120 | 1.120 | 0.995 | 0.746 | 0.489 | 0.300 |
| 13 | 0.315 | 0.315 | 0.335 | 0.647 | 0.949 | 1.120 | 1.120 | 1.120 | 0.987 | 0.738 | 0.481 | 0.300 |
| 14 | 0.315 | 0.315 | 0.345 | 0.657 | 0.959 | 1.120 | 1.120 | 1.120 | 0.979 | 0.730 | 0.473 | 0.300 |
| 15 | 0.315 | 0.315 | 0.356 | 0.667 | 0.969 | 1.120 | 1.120 | 1.120 | 0.971 | 0.722 | 0.464 | 0.300 |
| 16 | 0.315 | 0.315 | 0.366 | 0.677 | 0.979 | 1.120 | 1.120 | 1.120 | 0.962 | 0.713 | 0.456 | 0.300 |
| 17 | 0.315 | 0.315 | 0.376 | 0.687 | 0.989 | 1.120 | 1.120 | 1.120 | 0.954 | 0.705 | 0.448 | 0.300 |
| 18 | 0.315 | 0.315 | 0.386 | 0.697 | 0.999 | 1.120 | 1.120 | 1.120 | 0.946 | 0.697 | 0.439 | 0.300 |
| 19 | 0.315 | 0.315 | 0.396 | 0.708 | 1.009 | 1.120 | 1.120 | 1.120 | 0.937 | 0.688 | 0.431 | 0.300 |
| 20 | 0.315 | 0.315 | 0.406 | 0.718 | 1.019 | 1.120 | 1.120 | 1.120 | 0.929 | 0.680 | 0.423 | 0.300 |
| 21 | 0.315 | 0.315 | 0.416 | 0.728 | 1.029 | 1.120 | 1.120 | 1.120 | 0.921 | 0.672 | 0.414 | 0.300 |
| 22 | 0.315 | 0.315 | 0.426 | 0.738 | 1.039 | 1.120 | 1.120 | 1.120 | 0.912 | 0.663 | 0.406 | 0.300 |
| 23 | 0.315 | 0.315 | 0.436 | 0.748 | 1.050 | 1.120 | 1.120 | 1.120 | 0.904 | 0.655 | 0.398 | 0.300 |
| 24 | 0.315 | 0.315 | 0.446 | 0.758 | 1.060 | 1.120 | 1.120 | 1.120 | 0.896 | 0.647 | 0.390 | 0.300 |
| 25 | 0.315 | 0.315 | 0.456 | 0.768 | 1.070 | 1.120 | 1.120 | 1.120 | 0.888 | 0.639 | 0.381 | 0.300 |
| 26 | 0.315 | 0.315 | 0.466 | 0.778 | 1.080 | 1.120 | 1.120 | 1.120 | 0.879 | 0.630 | 0.373 | 0.300 |
| 27 | 0.315 | 0.315 | 0.476 | 0.788 | 1.090 | 1.120 | 1.120 | 1.120 | 0.871 | 0.622 | 0.365 | 0.300 |
| 28 | 0.315 | 0.315 | 0.486 | 0.798 | 1.100 | 1.120 | 1.120 | 1.120 | 0.863 | 0.614 | 0.356 | 0.300 |
| 29 | 0.315 | | 0.496 | 0.808 | 1.110 | 1.120 | 1.120 | 1.112 | 0.854 | 0.605 | 0.348 | 0.300 |
| 30 | 0.315 | | 0.506 | 0.818 | 1.120 | 1.120 | 1.120 | 1.103 | 0.846 | 0.597 | 0.340 | 0.300 |
| 31 | 0.315 | | 0.516 | | 1.120 | | 1.120 | 1.095 | | 0.589 | | 0.300 |

ET calculations for Sheet AK: Page 1 of : 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Sc/aw [\leq 75% salt cedar & \geq 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.07 | 0.16 | 0.30 | 0.45 | 0.36 | 0.32 | 0.18 | 0.07 | 0.04 | |
| 2 | 0.04 | 0.04 | 0.05 | 0.09 | 0.26 | 0.33 | 0.44 | 0.31 | 0.32 | 0.19 | 0.08 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.10 | 0.21 | 0.32 | 0.44 | 0.33 | 0.28 | 0.16 | 0.07 | 0.06 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.09 | 0.20 | 0.31 | 0.40 | 0.36 | 0.27 | 0.17 | 0.07 | 0.03 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.10 | 0.23 | 0.28 | 0.35 | 0.37 | 0.30 | 0.18 | 0.07 | 0.02 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.11 | 0.22 | 0.35 | 0.38 | 0.36 | 0.28 | 0.23 | 0.06 | 0.02 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.11 | 0.26 | 0.42 | 0.20 | 0.35 | 0.28 | 0.21 | 0.06 | 0.03 | |
| 8 | 0.04 | 0.03 | 0.04 | 0.11 | 0.32 | 0.38 | 0.16 | 0.34 | 0.30 | 0.15 | 0.05 | 0.05 | |
| 9 | 0.03 | 0.04 | 0.05 | 0.12 | 0.26 | 0.35 | 0.28 | 0.34 | 0.19 | 0.16 | 0.06 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.11 | 0.22 | 0.32 | 0.34 | 0.35 | 0.27 | 0.16 | 0.05 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.12 | 0.24 | 0.31 | 0.31 | 0.31 | 0.28 | 0.15 | 0.06 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.07 | 0.08 | 0.29 | 0.32 | 0.22 | 0.29 | 0.26 | 0.16 | 0.07 | 0.02 | |
| 13 | 0.03 | 0.04 | 0.05 | 0.10 | 0.32 | 0.32 | 0.21 | 0.32 | 0.27 | 0.14 | 0.06 | 0.03 | |
| 14 | 0.03 | 0.04 | 0.06 | 0.15 | 0.28 | 0.34 | 0.28 | 0.32 | 0.28 | 0.15 | 0.06 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.07 | 0.16 | 0.26 | 0.37 | 0.33 | 0.33 | 0.27 | 0.14 | 0.05 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.15 | 0.25 | 0.36 | 0.30 | 0.29 | 0.28 | 0.23 | 0.05 | 0.02 | |
| 17 | 0.03 | 0.03 | 0.06 | 0.15 | 0.24 | 0.35 | 0.36 | 0.32 | 0.25 | 0.20 | 0.06 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.06 | 0.16 | 0.28 | 0.33 | 0.30 | 0.28 | 0.24 | 0.11 | 0.04 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.18 | 0.29 | 0.33 | 0.34 | 0.24 | 0.25 | 0.13 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.10 | 0.19 | 0.29 | 0.34 | 0.35 | 0.29 | 0.22 | 0.13 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.04 | 0.08 | 0.20 | 0.30 | 0.40 | 0.34 | 0.29 | 0.14 | 0.11 | 0.07 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.08 | 0.20 | 0.26 | 0.34 | 0.34 | 0.31 | 0.13 | 0.11 | 0.07 | 0.05 | |
| 23 | 0.03 | 0.04 | 0.09 | 0.15 | 0.25 | 0.36 | 0.38 | 0.24 | 0.14 | 0.11 | 0.04 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.08 | 0.13 | 0.24 | 0.40 | 0.38 | 0.28 | 0.18 | 0.10 | 0.05 | 0.03 | |
| 25 | 0.03 | 0.06 | 0.07 | 0.15 | 0.26 | 0.40 | 0.36 | 0.30 | 0.18 | 0.10 | 0.03 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.09 | 0.20 | 0.31 | 0.39 | 0.34 | 0.31 | 0.20 | 0.09 | 0.03 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.24 | 0.32 | 0.36 | 0.21 | 0.32 | 0.22 | 0.09 | 0.03 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.09 | 0.23 | 0.36 | 0.38 | 0.20 | 0.27 | 0.24 | 0.09 | 0.03 | 0.02 | |
| 29 | 0.03 | | 0.10 | 0.14 | 0.42 | 0.39 | 0.22 | 0.25 | 0.20 | 0.16 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.16 | 0.10 | 0.39 | 0.41 | 0.32 | 0.30 | 0.18 | 0.10 | 0.03 | 0.02 | |
| 31 | 0.04 | | 0.13 | | 0.38 | | 0.35 | 0.32 | | 0.09 | | 0.03 | |

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.512 | 0.793 | 1.065 | 1.065 | 1.065 | 1.065 | 0.859 | 0.592 | 0.333 |
| 2 | 0.315 | 0.315 | 0.315 | 0.522 | 0.803 | 1.065 | 1.065 | 1.065 | 1.065 | 0.850 | 0.583 | 0.324 |
| 3 | 0.315 | 0.315 | 0.315 | 0.531 | 0.812 | 1.065 | 1.065 | 1.065 | 1.065 | 0.841 | 0.574 | 0.316 |
| 4 | 0.315 | 0.315 | 0.315 | 0.540 | 0.822 | 1.065 | 1.065 | 1.065 | 1.065 | 0.833 | 0.566 | 0.307 |
| 5 | 0.315 | 0.315 | 0.315 | 0.550 | 0.831 | 1.065 | 1.065 | 1.065 | 1.065 | 0.824 | 0.557 | 0.299 |
| 6 | 0.315 | 0.315 | 0.315 | 0.559 | 0.840 | 1.065 | 1.065 | 1.065 | 1.065 | 0.816 | 0.548 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.568 | 0.850 | 1.065 | 1.065 | 1.065 | 1.065 | 0.807 | 0.540 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.578 | 0.859 | 1.065 | 1.065 | 1.065 | 1.057 | 0.798 | 0.531 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.587 | 0.869 | 1.065 | 1.065 | 1.065 | 1.048 | 0.790 | 0.523 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.597 | 0.878 | 1.065 | 1.065 | 1.065 | 1.040 | 0.781 | 0.514 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.606 | 0.887 | 1.065 | 1.065 | 1.065 | 1.031 | 0.772 | 0.505 | 0.300 |
| 12 | 0.315 | 0.315 | 0.325 | 0.615 | 0.897 | 1.065 | 1.065 | 1.065 | 1.022 | 0.764 | 0.497 | 0.300 |
| 13 | 0.315 | 0.315 | 0.334 | 0.625 | 0.906 | 1.065 | 1.065 | 1.065 | 1.014 | 0.755 | 0.488 | 0.300 |
| 14 | 0.315 | 0.315 | 0.343 | 0.634 | 0.915 | 1.065 | 1.065 | 1.065 | 1.005 | 0.747 | 0.480 | 0.300 |
| 15 | 0.315 | 0.315 | 0.353 | 0.643 | 0.925 | 1.065 | 1.065 | 1.065 | 0.996 | 0.738 | 0.471 | 0.300 |
| 16 | 0.315 | 0.315 | 0.362 | 0.653 | 0.934 | 1.065 | 1.065 | 1.065 | 0.988 | 0.729 | 0.462 | 0.300 |
| 17 | 0.315 | 0.315 | 0.372 | 0.662 | 0.944 | 1.065 | 1.065 | 1.065 | 0.979 | 0.721 | 0.454 | 0.300 |
| 18 | 0.315 | 0.315 | 0.381 | 0.672 | 0.953 | 1.065 | 1.065 | 1.065 | 0.971 | 0.712 | 0.445 | 0.300 |
| 19 | 0.315 | 0.315 | 0.390 | 0.681 | 0.962 | 1.065 | 1.065 | 1.065 | 0.962 | 0.704 | 0.436 | 0.300 |
| 20 | 0.315 | 0.315 | 0.400 | 0.690 | 0.972 | 1.065 | 1.065 | 1.065 | 0.953 | 0.695 | 0.428 | 0.300 |
| 21 | 0.315 | 0.315 | 0.409 | 0.700 | 0.981 | 1.065 | 1.065 | 1.065 | 0.945 | 0.686 | 0.419 | 0.300 |
| 22 | 0.315 | 0.315 | 0.418 | 0.709 | 0.990 | 1.065 | 1.065 | 1.065 | 0.936 | 0.678 | 0.411 | 0.300 |
| 23 | 0.315 | 0.315 | 0.428 | 0.718 | 1.000 | 1.065 | 1.065 | 1.065 | 0.928 | 0.669 | 0.402 | 0.300 |
| 24 | 0.315 | 0.315 | 0.437 | 0.728 | 1.009 | 1.065 | 1.065 | 1.065 | 0.919 | 0.660 | 0.393 | 0.300 |
| 25 | 0.315 | 0.315 | 0.447 | 0.737 | 1.019 | 1.065 | 1.065 | 1.065 | 0.910 | 0.652 | 0.385 | 0.300 |
| 26 | 0.315 | 0.315 | 0.456 | 0.747 | 1.028 | 1.065 | 1.065 | 1.065 | 0.902 | 0.643 | 0.376 | 0.300 |
| 27 | 0.315 | 0.315 | 0.465 | 0.756 | 1.037 | 1.065 | 1.065 | 1.065 | 0.893 | 0.635 | 0.368 | 0.300 |
| 28 | 0.315 | 0.315 | 0.475 | 0.765 | 1.047 | 1.065 | 1.065 | 1.065 | 0.884 | 0.626 | 0.359 | 0.300 |
| 29 | 0.315 | | 0.484 | 0.775 | 1.056 | 1.065 | 1.065 | 1.065 | 0.876 | 0.617 | 0.350 | 0.300 |
| 30 | 0.315 | | 0.493 | 0.784 | 1.065 | 1.065 | 1.065 | 1.065 | 0.867 | 0.609 | 0.342 | 0.300 |
| 31 | 0.315 | | 0.503 | | 1.065 | | 1.065 | 1.065 | | 0.600 | | 0.300 |

ET calculations for Sheet AL: Page 1 of 2 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Sc/ms/aw [15-45% salt cedar & 15-45% mesquite & 20-40% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.07 | 0.16 | 0.30 | 0.45 | 0.36 | 0.32 | 0.19 | 0.07 | 0.04 | |
| 2 | 0.04 | 0.04 | 0.05 | 0.09 | 0.26 | 0.33 | 0.44 | 0.31 | 0.32 | 0.21 | 0.08 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.10 | 0.21 | 0.32 | 0.44 | 0.33 | 0.28 | 0.17 | 0.08 | 0.06 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.09 | 0.20 | 0.31 | 0.40 | 0.36 | 0.27 | 0.18 | 0.07 | 0.03 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.10 | 0.23 | 0.28 | 0.35 | 0.37 | 0.30 | 0.20 | 0.07 | 0.02 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.11 | 0.22 | 0.35 | 0.38 | 0.36 | 0.28 | 0.24 | 0.06 | 0.02 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.11 | 0.26 | 0.42 | 0.20 | 0.35 | 0.28 | 0.23 | 0.06 | 0.03 | |
| 8 | 0.04 | 0.03 | 0.04 | 0.11 | 0.32 | 0.38 | 0.16 | 0.34 | 0.30 | 0.17 | 0.06 | 0.05 | |
| 9 | 0.03 | 0.04 | 0.05 | 0.12 | 0.26 | 0.35 | 0.28 | 0.34 | 0.20 | 0.17 | 0.06 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.11 | 0.22 | 0.32 | 0.34 | 0.35 | 0.28 | 0.17 | 0.06 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.12 | 0.24 | 0.31 | 0.31 | 0.31 | 0.29 | 0.16 | 0.06 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.07 | 0.08 | 0.29 | 0.32 | 0.22 | 0.29 | 0.27 | 0.17 | 0.07 | 0.02 | |
| 13 | 0.03 | 0.04 | 0.05 | 0.10 | 0.32 | 0.32 | 0.21 | 0.32 | 0.28 | 0.15 | 0.07 | 0.03 | |
| 14 | 0.03 | 0.04 | 0.06 | 0.15 | 0.28 | 0.34 | 0.28 | 0.32 | 0.30 | 0.16 | 0.06 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.07 | 0.16 | 0.26 | 0.37 | 0.33 | 0.33 | 0.29 | 0.15 | 0.05 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.15 | 0.25 | 0.36 | 0.30 | 0.29 | 0.31 | 0.24 | 0.05 | 0.02 | |
| 17 | 0.03 | 0.03 | 0.06 | 0.15 | 0.24 | 0.35 | 0.36 | 0.32 | 0.27 | 0.22 | 0.06 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.06 | 0.16 | 0.28 | 0.33 | 0.30 | 0.28 | 0.27 | 0.12 | 0.05 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.18 | 0.29 | 0.33 | 0.34 | 0.24 | 0.27 | 0.14 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.10 | 0.19 | 0.29 | 0.34 | 0.35 | 0.29 | 0.24 | 0.14 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.04 | 0.08 | 0.20 | 0.30 | 0.40 | 0.34 | 0.29 | 0.15 | 0.12 | 0.07 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.08 | 0.20 | 0.26 | 0.34 | 0.34 | 0.31 | 0.15 | 0.12 | 0.08 | 0.05 | |
| 23 | 0.03 | 0.04 | 0.09 | 0.15 | 0.25 | 0.36 | 0.38 | 0.24 | 0.15 | 0.12 | 0.04 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.08 | 0.13 | 0.24 | 0.40 | 0.38 | 0.28 | 0.20 | 0.10 | 0.05 | 0.03 | |
| 25 | 0.03 | 0.06 | 0.07 | 0.15 | 0.26 | 0.40 | 0.36 | 0.30 | 0.20 | 0.11 | 0.04 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.09 | 0.20 | 0.31 | 0.39 | 0.34 | 0.31 | 0.21 | 0.10 | 0.03 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.24 | 0.32 | 0.36 | 0.21 | 0.32 | 0.24 | 0.10 | 0.03 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.09 | 0.23 | 0.36 | 0.38 | 0.20 | 0.27 | 0.26 | 0.10 | 0.04 | 0.02 | |
| 29 | 0.03 | | 0.10 | 0.14 | 0.42 | 0.39 | 0.22 | 0.25 | 0.22 | 0.17 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.16 | 0.10 | 0.39 | 0.41 | 0.32 | 0.30 | 0.19 | 0.10 | 0.03 | 0.02 | |
| 31 | 0.04 | | 0.13 | | 0.38 | | 0.35 | 0.32 | | 0.10 | | 0.03 | |

(Daily Kp values)
Sc/ms/aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.512 | 0.793 | 1.065 | 1.065 | 1.065 | 1.065 | 0.930 | 0.629 | 0.338 |
| 2 | 0.315 | 0.315 | 0.315 | 0.522 | 0.803 | 1.065 | 1.065 | 1.065 | 1.065 | 0.920 | 0.620 | 0.329 |
| 3 | 0.315 | 0.315 | 0.315 | 0.531 | 0.812 | 1.065 | 1.065 | 1.065 | 1.065 | 0.910 | 0.610 | 0.319 |
| 4 | 0.315 | 0.315 | 0.315 | 0.540 | 0.822 | 1.065 | 1.065 | 1.065 | 1.065 | 0.901 | 0.600 | 0.309 |
| 5 | 0.315 | 0.315 | 0.315 | 0.550 | 0.831 | 1.065 | 1.065 | 1.065 | 1.065 | 0.891 | 0.590 | 0.300 |
| 6 | 0.315 | 0.315 | 0.315 | 0.559 | 0.840 | 1.065 | 1.065 | 1.065 | 1.065 | 0.881 | 0.581 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.568 | 0.850 | 1.065 | 1.065 | 1.065 | 1.065 | 0.872 | 0.571 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.578 | 0.859 | 1.065 | 1.065 | 1.065 | 1.065 | 0.862 | 0.561 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.587 | 0.869 | 1.065 | 1.065 | 1.065 | 1.065 | 0.852 | 0.552 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.597 | 0.878 | 1.065 | 1.065 | 1.065 | 1.065 | 0.842 | 0.542 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.606 | 0.887 | 1.065 | 1.065 | 1.065 | 1.065 | 0.833 | 0.532 | 0.300 |
| 12 | 0.315 | 0.315 | 0.325 | 0.615 | 0.897 | 1.065 | 1.065 | 1.065 | 1.065 | 0.823 | 0.523 | 0.300 |
| 13 | 0.315 | 0.315 | 0.334 | 0.625 | 0.906 | 1.065 | 1.065 | 1.065 | 1.065 | 0.813 | 0.513 | 0.300 |
| 14 | 0.315 | 0.315 | 0.343 | 0.634 | 0.915 | 1.065 | 1.065 | 1.065 | 1.065 | 0.804 | 0.503 | 0.300 |
| 15 | 0.315 | 0.315 | 0.353 | 0.643 | 0.925 | 1.065 | 1.065 | 1.065 | 1.065 | 0.794 | 0.494 | 0.300 |
| 16 | 0.315 | 0.315 | 0.362 | 0.653 | 0.934 | 1.065 | 1.065 | 1.065 | 1.065 | 0.784 | 0.484 | 0.300 |
| 17 | 0.315 | 0.315 | 0.372 | 0.662 | 0.944 | 1.065 | 1.065 | 1.065 | 1.065 | 0.775 | 0.474 | 0.300 |
| 18 | 0.315 | 0.315 | 0.381 | 0.672 | 0.953 | 1.065 | 1.065 | 1.065 | 1.056 | 0.765 | 0.464 | 0.300 |
| 19 | 0.315 | 0.315 | 0.390 | 0.681 | 0.962 | 1.065 | 1.065 | 1.065 | 1.046 | 0.755 | 0.455 | 0.300 |
| 20 | 0.315 | 0.315 | 0.400 | 0.690 | 0.972 | 1.065 | 1.065 | 1.065 | 1.036 | 0.746 | 0.445 | 0.300 |
| 21 | 0.315 | 0.315 | 0.409 | 0.700 | 0.981 | 1.065 | 1.065 | 1.065 | 1.027 | 0.736 | 0.435 | 0.300 |
| 22 | 0.315 | 0.315 | 0.418 | 0.709 | 0.990 | 1.065 | 1.065 | 1.065 | 1.017 | 0.726 | 0.426 | 0.300 |
| 23 | 0.315 | 0.315 | 0.428 | 0.718 | 1.000 | 1.065 | 1.065 | 1.065 | 1.007 | 0.716 | 0.416 | 0.300 |
| 24 | 0.315 | 0.315 | 0.437 | 0.728 | 1.009 | 1.065 | 1.065 | 1.065 | 0.998 | 0.707 | 0.406 | 0.300 |
| 25 | 0.315 | 0.315 | 0.447 | 0.737 | 1.019 | 1.065 | 1.065 | 1.065 | 0.988 | 0.697 | 0.397 | 0.300 |
| 26 | 0.315 | 0.315 | 0.456 | 0.747 | 1.028 | 1.065 | 1.065 | 1.065 | 0.978 | 0.687 | 0.387 | 0.300 |
| 27 | 0.315 | 0.315 | 0.465 | 0.756 | 1.037 | 1.065 | 1.065 | 1.065 | 0.968 | 0.678 | 0.377 | 0.300 |
| 28 | 0.315 | 0.315 | 0.475 | 0.765 | 1.047 | 1.065 | 1.065 | 1.065 | 0.959 | 0.668 | 0.368 | 0.300 |
| 29 | 0.315 | | 0.484 | 0.775 | 1.056 | 1.065 | 1.065 | 1.065 | 0.949 | 0.658 | 0.358 | 0.300 |
| 30 | 0.315 | | 0.493 | 0.784 | 1.065 | 1.065 | 1.065 | 1.065 | 0.939 | 0.649 | 0.348 | 0.300 |
| 31 | 0.315 | | 0.503 | | 1.065 | | 1.065 | 1.065 | | 0.639 | | 0.300 |

ET calculations for Sheet AM: Page 1 of 2 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Ms-low [11-60% screwbean/honey mesquite & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.05 | 0.11 | 0.19 | 0.32 | 0.26 | 0.23 | 0.16 | 0.06 | 0.04 | |
| 2 | 0.04 | 0.04 | 0.05 | 0.07 | 0.17 | 0.22 | 0.32 | 0.22 | 0.23 | 0.17 | 0.07 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.07 | 0.14 | 0.22 | 0.31 | 0.24 | 0.20 | 0.15 | 0.07 | 0.06 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.06 | 0.14 | 0.21 | 0.28 | 0.26 | 0.20 | 0.15 | 0.07 | 0.03 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.07 | 0.15 | 0.19 | 0.25 | 0.26 | 0.22 | 0.17 | 0.07 | 0.02 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.08 | 0.15 | 0.24 | 0.27 | 0.26 | 0.20 | 0.21 | 0.06 | 0.02 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.08 | 0.17 | 0.28 | 0.14 | 0.25 | 0.20 | 0.20 | 0.06 | 0.03 | |
| 8 | 0.04 | 0.03 | 0.04 | 0.08 | 0.21 | 0.26 | 0.12 | 0.24 | 0.21 | 0.15 | 0.05 | 0.05 | |
| 9 | 0.03 | 0.04 | 0.05 | 0.09 | 0.17 | 0.24 | 0.20 | 0.24 | 0.14 | 0.15 | 0.06 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.08 | 0.15 | 0.23 | 0.25 | 0.25 | 0.20 | 0.15 | 0.05 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.09 | 0.16 | 0.22 | 0.22 | 0.22 | 0.21 | 0.14 | 0.06 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.07 | 0.05 | 0.19 | 0.23 | 0.16 | 0.21 | 0.20 | 0.15 | 0.06 | 0.02 | |
| 13 | 0.03 | 0.04 | 0.05 | 0.07 | 0.21 | 0.23 | 0.15 | 0.23 | 0.20 | 0.13 | 0.06 | 0.03 | |
| 14 | 0.03 | 0.04 | 0.06 | 0.10 | 0.18 | 0.24 | 0.20 | 0.23 | 0.21 | 0.14 | 0.05 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.06 | 0.11 | 0.17 | 0.26 | 0.24 | 0.23 | 0.21 | 0.13 | 0.05 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.05 | 0.10 | 0.17 | 0.26 | 0.21 | 0.20 | 0.22 | 0.21 | 0.05 | 0.02 | |
| 17 | 0.03 | 0.03 | 0.05 | 0.10 | 0.16 | 0.25 | 0.26 | 0.23 | 0.19 | 0.19 | 0.06 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.05 | 0.11 | 0.18 | 0.24 | 0.22 | 0.20 | 0.19 | 0.11 | 0.04 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.05 | 0.12 | 0.19 | 0.24 | 0.25 | 0.18 | 0.20 | 0.12 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.08 | 0.13 | 0.19 | 0.25 | 0.25 | 0.21 | 0.17 | 0.13 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.04 | 0.06 | 0.14 | 0.20 | 0.28 | 0.25 | 0.21 | 0.11 | 0.11 | 0.06 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.06 | 0.14 | 0.17 | 0.24 | 0.25 | 0.22 | 0.11 | 0.11 | 0.07 | 0.05 | |
| 23 | 0.03 | 0.04 | 0.07 | 0.10 | 0.16 | 0.26 | 0.27 | 0.17 | 0.11 | 0.11 | 0.04 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.06 | 0.09 | 0.16 | 0.28 | 0.27 | 0.20 | 0.15 | 0.09 | 0.05 | 0.03 | |
| 25 | 0.03 | 0.06 | 0.05 | 0.10 | 0.17 | 0.28 | 0.26 | 0.21 | 0.15 | 0.10 | 0.03 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.07 | 0.14 | 0.20 | 0.28 | 0.25 | 0.22 | 0.17 | 0.09 | 0.03 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.07 | 0.16 | 0.21 | 0.26 | 0.15 | 0.23 | 0.19 | 0.09 | 0.03 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.07 | 0.16 | 0.23 | 0.27 | 0.14 | 0.20 | 0.21 | 0.09 | 0.03 | 0.02 | |
| 29 | 0.03 | | 0.07 | 0.09 | 0.27 | 0.28 | 0.16 | 0.18 | 0.17 | 0.15 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.12 | 0.06 | 0.25 | 0.30 | 0.23 | 0.21 | 0.16 | 0.09 | 0.03 | 0.02 | |
| 31 | 0.04 | | 0.09 | | 0.25 | | 0.25 | 0.23 | | 0.09 | | 0.03 | |

Ms-low

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.374 | 0.532 | 0.697 | 0.765 | 0.765 | 0.765 | 0.765 | 0.567 | 0.330 |
| 2 | 0.315 | 0.315 | 0.315 | 0.379 | 0.538 | 0.702 | 0.765 | 0.765 | 0.765 | 0.765 | 0.559 | 0.322 |
| 3 | 0.315 | 0.315 | 0.315 | 0.384 | 0.543 | 0.707 | 0.765 | 0.765 | 0.765 | 0.765 | 0.551 | 0.314 |
| 4 | 0.315 | 0.315 | 0.315 | 0.389 | 0.548 | 0.712 | 0.765 | 0.765 | 0.765 | 0.765 | 0.544 | 0.306 |
| 5 | 0.315 | 0.315 | 0.315 | 0.395 | 0.554 | 0.718 | 0.765 | 0.765 | 0.765 | 0.765 | 0.536 | 0.298 |
| 6 | 0.315 | 0.315 | 0.315 | 0.400 | 0.559 | 0.723 | 0.765 | 0.765 | 0.765 | 0.765 | 0.528 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.405 | 0.564 | 0.728 | 0.765 | 0.765 | 0.765 | 0.765 | 0.520 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.411 | 0.569 | 0.734 | 0.765 | 0.765 | 0.765 | 0.757 | 0.512 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.416 | 0.575 | 0.739 | 0.765 | 0.765 | 0.765 | 0.750 | 0.504 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.421 | 0.580 | 0.744 | 0.765 | 0.765 | 0.765 | 0.742 | 0.496 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.426 | 0.585 | 0.750 | 0.765 | 0.765 | 0.765 | 0.734 | 0.488 | 0.300 |
| 12 | 0.315 | 0.315 | 0.315 | 0.432 | 0.591 | 0.755 | 0.765 | 0.765 | 0.765 | 0.726 | 0.480 | 0.300 |
| 13 | 0.315 | 0.315 | 0.315 | 0.437 | 0.596 | 0.760 | 0.765 | 0.765 | 0.765 | 0.718 | 0.472 | 0.300 |
| 14 | 0.315 | 0.315 | 0.315 | 0.442 | 0.601 | 0.765 | 0.765 | 0.765 | 0.765 | 0.710 | 0.464 | 0.300 |
| 15 | 0.315 | 0.315 | 0.315 | 0.448 | 0.607 | 0.765 | 0.765 | 0.765 | 0.765 | 0.702 | 0.456 | 0.300 |
| 16 | 0.315 | 0.315 | 0.315 | 0.453 | 0.612 | 0.765 | 0.765 | 0.765 | 0.765 | 0.694 | 0.448 | 0.300 |
| 17 | 0.315 | 0.315 | 0.315 | 0.458 | 0.617 | 0.765 | 0.765 | 0.765 | 0.765 | 0.686 | 0.441 | 0.300 |
| 18 | 0.315 | 0.315 | 0.315 | 0.464 | 0.622 | 0.765 | 0.765 | 0.765 | 0.765 | 0.678 | 0.433 | 0.300 |
| 19 | 0.315 | 0.315 | 0.315 | 0.469 | 0.628 | 0.765 | 0.765 | 0.765 | 0.765 | 0.670 | 0.425 | 0.300 |
| 20 | 0.315 | 0.315 | 0.315 | 0.474 | 0.633 | 0.765 | 0.765 | 0.765 | 0.765 | 0.662 | 0.417 | 0.300 |
| 21 | 0.315 | 0.315 | 0.315 | 0.479 | 0.638 | 0.765 | 0.765 | 0.765 | 0.765 | 0.654 | 0.409 | 0.300 |
| 22 | 0.315 | 0.315 | 0.321 | 0.485 | 0.644 | 0.765 | 0.765 | 0.765 | 0.765 | 0.647 | 0.401 | 0.300 |
| 23 | 0.315 | 0.315 | 0.326 | 0.490 | 0.649 | 0.765 | 0.765 | 0.765 | 0.765 | 0.639 | 0.393 | 0.300 |
| 24 | 0.315 | 0.315 | 0.331 | 0.495 | 0.654 | 0.765 | 0.765 | 0.765 | 0.765 | 0.631 | 0.385 | 0.300 |
| 25 | 0.315 | 0.315 | 0.336 | 0.501 | 0.659 | 0.765 | 0.765 | 0.765 | 0.765 | 0.623 | 0.377 | 0.300 |
| 26 | 0.315 | 0.315 | 0.342 | 0.506 | 0.665 | 0.765 | 0.765 | 0.765 | 0.765 | 0.615 | 0.369 | 0.300 |
| 27 | 0.315 | 0.315 | 0.347 | 0.511 | 0.670 | 0.765 | 0.765 | 0.765 | 0.765 | 0.607 | 0.361 | 0.300 |
| 28 | 0.315 | 0.315 | 0.352 | 0.517 | 0.675 | 0.765 | 0.765 | 0.765 | 0.765 | 0.599 | 0.353 | 0.300 |
| 29 | 0.315 | | 0.358 | 0.522 | 0.681 | 0.765 | 0.765 | 0.765 | 0.765 | 0.591 | 0.345 | 0.300 |
| 30 | 0.315 | | 0.363 | 0.527 | 0.686 | 0.765 | 0.765 | 0.765 | 0.765 | 0.583 | 0.338 | 0.300 |
| 31 | 0.315 | | 0.368 | | 0.691 | | 0.765 | 0.765 | | 0.575 | | 0.300 |

ET calculations for Sheet AN: Page 1 of 2 1999 PHREATOPHYTE ET
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(Sheet to calculate ET for Phreatophyte area classified Ms-high [61-100% screwbean/honey mesquite & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.06 | 0.14 | 0.26 | 0.41 | 0.33 | 0.29 | 0.19 | 0.08 | 0.05 | |
| 2 | 0.04 | 0.04 | 0.05 | 0.09 | 0.23 | 0.30 | 0.40 | 0.28 | 0.29 | 0.21 | 0.09 | 0.04 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.09 | 0.19 | 0.29 | 0.40 | 0.30 | 0.25 | 0.18 | 0.09 | 0.07 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.08 | 0.18 | 0.28 | 0.36 | 0.33 | 0.25 | 0.18 | 0.08 | 0.04 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.09 | 0.20 | 0.26 | 0.32 | 0.33 | 0.27 | 0.20 | 0.08 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.10 | 0.20 | 0.32 | 0.35 | 0.32 | 0.26 | 0.25 | 0.07 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.10 | 0.23 | 0.38 | 0.18 | 0.32 | 0.25 | 0.23 | 0.07 | 0.04 | |
| 8 | 0.04 | 0.03 | 0.04 | 0.10 | 0.28 | 0.35 | 0.15 | 0.31 | 0.27 | 0.17 | 0.06 | 0.06 | |
| 9 | 0.03 | 0.04 | 0.05 | 0.11 | 0.23 | 0.32 | 0.26 | 0.31 | 0.18 | 0.18 | 0.07 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.10 | 0.20 | 0.30 | 0.31 | 0.32 | 0.25 | 0.18 | 0.06 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.11 | 0.21 | 0.28 | 0.28 | 0.28 | 0.27 | 0.17 | 0.07 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.07 | 0.07 | 0.26 | 0.29 | 0.20 | 0.27 | 0.25 | 0.17 | 0.08 | 0.03 | |
| 13 | 0.03 | 0.04 | 0.05 | 0.09 | 0.29 | 0.29 | 0.19 | 0.30 | 0.26 | 0.15 | 0.07 | 0.03 | |
| 14 | 0.03 | 0.04 | 0.06 | 0.13 | 0.25 | 0.31 | 0.25 | 0.30 | 0.27 | 0.16 | 0.06 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.07 | 0.15 | 0.23 | 0.34 | 0.30 | 0.30 | 0.27 | 0.15 | 0.06 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.13 | 0.22 | 0.33 | 0.27 | 0.26 | 0.28 | 0.25 | 0.06 | 0.02 | |
| 17 | 0.03 | 0.03 | 0.06 | 0.14 | 0.22 | 0.32 | 0.33 | 0.29 | 0.24 | 0.22 | 0.07 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.06 | 0.14 | 0.24 | 0.30 | 0.27 | 0.25 | 0.24 | 0.13 | 0.05 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.16 | 0.26 | 0.30 | 0.31 | 0.22 | 0.25 | 0.14 | 0.05 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.09 | 0.18 | 0.25 | 0.31 | 0.32 | 0.26 | 0.22 | 0.15 | 0.05 | 0.04 | |
| 21 | 0.05 | 0.04 | 0.07 | 0.18 | 0.26 | 0.36 | 0.31 | 0.27 | 0.14 | 0.13 | 0.08 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.07 | 0.18 | 0.23 | 0.31 | 0.31 | 0.28 | 0.14 | 0.13 | 0.09 | 0.05 | |
| 23 | 0.03 | 0.04 | 0.08 | 0.13 | 0.22 | 0.33 | 0.35 | 0.22 | 0.15 | 0.12 | 0.05 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.08 | 0.12 | 0.21 | 0.36 | 0.34 | 0.26 | 0.19 | 0.11 | 0.06 | 0.03 | |
| 25 | 0.03 | 0.06 | 0.07 | 0.13 | 0.23 | 0.36 | 0.33 | 0.27 | 0.19 | 0.12 | 0.04 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.09 | 0.18 | 0.27 | 0.36 | 0.31 | 0.28 | 0.21 | 0.11 | 0.04 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.21 | 0.28 | 0.33 | 0.19 | 0.30 | 0.24 | 0.10 | 0.04 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.09 | 0.21 | 0.31 | 0.35 | 0.18 | 0.25 | 0.26 | 0.11 | 0.04 | 0.02 | |
| 29 | 0.03 | | 0.09 | 0.12 | 0.37 | 0.35 | 0.20 | 0.23 | 0.22 | 0.18 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.15 | 0.09 | 0.34 | 0.38 | 0.29 | 0.27 | 0.20 | 0.11 | 0.03 | 0.02 | |
| 31 | 0.04 | | 0.12 | | 0.33 | | 0.32 | 0.29 | | 0.10 | | 0.03 | |

Ms-high

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.477 | 0.708 | 0.947 | 0.970 | 0.970 | 0.970 | 0.936 | 0.672 | 0.417 |
| 2 | 0.315 | 0.315 | 0.315 | 0.485 | 0.716 | 0.955 | 0.970 | 0.970 | 0.970 | 0.927 | 0.664 | 0.409 |
| 3 | 0.315 | 0.315 | 0.315 | 0.492 | 0.723 | 0.962 | 0.970 | 0.970 | 0.970 | 0.919 | 0.655 | 0.400 |
| 4 | 0.315 | 0.315 | 0.315 | 0.500 | 0.731 | 0.970 | 0.970 | 0.970 | 0.970 | 0.910 | 0.647 | 0.392 |
| 5 | 0.315 | 0.315 | 0.315 | 0.508 | 0.739 | 0.970 | 0.970 | 0.970 | 0.970 | 0.902 | 0.638 | 0.383 |
| 6 | 0.315 | 0.315 | 0.315 | 0.516 | 0.747 | 0.970 | 0.970 | 0.970 | 0.970 | 0.893 | 0.630 | 0.375 |
| 7 | 0.315 | 0.315 | 0.315 | 0.523 | 0.754 | 0.970 | 0.970 | 0.970 | 0.970 | 0.885 | 0.621 | 0.366 |
| 8 | 0.315 | 0.315 | 0.315 | 0.531 | 0.762 | 0.970 | 0.970 | 0.970 | 0.970 | 0.876 | 0.613 | 0.358 |
| 9 | 0.315 | 0.315 | 0.315 | 0.539 | 0.770 | 0.970 | 0.970 | 0.970 | 0.970 | 0.868 | 0.604 | 0.349 |
| 10 | 0.315 | 0.315 | 0.315 | 0.546 | 0.777 | 0.970 | 0.970 | 0.970 | 0.970 | 0.859 | 0.596 | 0.341 |
| 11 | 0.315 | 0.315 | 0.315 | 0.554 | 0.785 | 0.970 | 0.970 | 0.970 | 0.970 | 0.851 | 0.587 | 0.332 |
| 12 | 0.315 | 0.315 | 0.323 | 0.562 | 0.793 | 0.970 | 0.970 | 0.970 | 0.970 | 0.842 | 0.579 | 0.324 |
| 13 | 0.315 | 0.315 | 0.331 | 0.569 | 0.800 | 0.970 | 0.970 | 0.970 | 0.970 | 0.834 | 0.570 | 0.315 |
| 14 | 0.315 | 0.315 | 0.338 | 0.577 | 0.808 | 0.970 | 0.970 | 0.970 | 0.970 | 0.825 | 0.562 | 0.307 |
| 15 | 0.315 | 0.315 | 0.346 | 0.585 | 0.816 | 0.970 | 0.970 | 0.970 | 0.970 | 0.817 | 0.553 | 0.298 |
| 16 | 0.315 | 0.315 | 0.354 | 0.593 | 0.824 | 0.970 | 0.970 | 0.970 | 0.970 | 0.808 | 0.545 | 0.290 |
| 17 | 0.315 | 0.315 | 0.362 | 0.600 | 0.831 | 0.970 | 0.970 | 0.970 | 0.970 | 0.800 | 0.536 | 0.300 |
| 18 | 0.315 | 0.315 | 0.369 | 0.608 | 0.839 | 0.970 | 0.970 | 0.970 | 0.970 | 0.791 | 0.528 | 0.300 |
| 19 | 0.315 | 0.315 | 0.377 | 0.616 | 0.847 | 0.970 | 0.970 | 0.970 | 0.970 | 0.783 | 0.519 | 0.300 |
| 20 | 0.315 | 0.315 | 0.385 | 0.623 | 0.854 | 0.970 | 0.970 | 0.970 | 0.970 | 0.774 | 0.511 | 0.300 |
| 21 | 0.315 | 0.315 | 0.392 | 0.631 | 0.862 | 0.970 | 0.970 | 0.970 | 0.970 | 0.766 | 0.502 | 0.300 |
| 22 | 0.315 | 0.315 | 0.400 | 0.639 | 0.870 | 0.970 | 0.970 | 0.970 | 0.970 | 0.757 | 0.494 | 0.300 |
| 23 | 0.315 | 0.315 | 0.408 | 0.646 | 0.878 | 0.970 | 0.970 | 0.970 | 0.970 | 0.749 | 0.485 | 0.300 |
| 24 | 0.315 | 0.315 | 0.415 | 0.654 | 0.885 | 0.970 | 0.970 | 0.970 | 0.970 | 0.740 | 0.477 | 0.300 |
| 25 | 0.315 | 0.315 | 0.423 | 0.662 | 0.893 | 0.970 | 0.970 | 0.970 | 0.970 | 0.732 | 0.468 | 0.300 |
| 26 | 0.315 | 0.315 | 0.431 | 0.670 | 0.901 | 0.970 | 0.970 | 0.970 | 0.970 | 0.723 | 0.460 | 0.300 |
| 27 | 0.315 | 0.315 | 0.439 | 0.677 | 0.908 | 0.970 | 0.970 | 0.970 | 0.970 | 0.715 | 0.451 | 0.300 |
| 28 | 0.315 | 0.315 | 0.446 | 0.685 | 0.916 | 0.970 | 0.970 | 0.970 | 0.961 | 0.706 | 0.443 | 0.300 |
| 29 | 0.315 | | 0.454 | 0.693 | 0.924 | 0.970 | 0.970 | 0.970 | 0.953 | 0.698 | 0.434 | 0.300 |
| 30 | 0.315 | | 0.462 | 0.700 | 0.931 | 0.970 | 0.970 | 0.970 | 0.944 | 0.689 | 0.426 | 0.300 |
| 31 | 0.315 | | 0.469 | | 0.939 | | 0.970 | 0.970 | | 0.681 | | 0.300 |

ET calculations for Sheet AO: Page 1 of 2 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Ms/aw [21-60% mesquite & 31-60% arrowweed & <= 20% salt cedar])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.06 | 0.13 | 0.25 | 0.40 | 0.32 | 0.28 | 0.17 | 0.07 | 0.04 | |
| 2 | 0.04 | 0.04 | 0.05 | 0.08 | 0.22 | 0.28 | 0.39 | 0.27 | 0.28 | 0.19 | 0.07 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.09 | 0.18 | 0.27 | 0.39 | 0.29 | 0.25 | 0.16 | 0.07 | 0.06 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.08 | 0.17 | 0.26 | 0.35 | 0.32 | 0.24 | 0.16 | 0.07 | 0.03 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.09 | 0.19 | 0.24 | 0.31 | 0.32 | 0.27 | 0.18 | 0.07 | 0.02 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.10 | 0.19 | 0.30 | 0.34 | 0.32 | 0.25 | 0.22 | 0.06 | 0.02 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.09 | 0.21 | 0.36 | 0.18 | 0.31 | 0.25 | 0.20 | 0.06 | 0.03 | |
| 8 | 0.04 | 0.03 | 0.04 | 0.10 | 0.27 | 0.34 | 0.14 | 0.30 | 0.26 | 0.15 | 0.05 | 0.05 | |
| 9 | 0.03 | 0.04 | 0.05 | 0.11 | 0.22 | 0.31 | 0.25 | 0.30 | 0.17 | 0.15 | 0.06 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.10 | 0.19 | 0.29 | 0.30 | 0.31 | 0.25 | 0.16 | 0.05 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.11 | 0.20 | 0.28 | 0.27 | 0.27 | 0.26 | 0.15 | 0.06 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.07 | 0.07 | 0.24 | 0.28 | 0.19 | 0.26 | 0.24 | 0.15 | 0.06 | 0.02 | |
| 13 | 0.03 | 0.04 | 0.05 | 0.08 | 0.27 | 0.28 | 0.19 | 0.29 | 0.25 | 0.14 | 0.06 | 0.03 | |
| 14 | 0.03 | 0.04 | 0.06 | 0.13 | 0.23 | 0.30 | 0.25 | 0.29 | 0.26 | 0.14 | 0.05 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.07 | 0.14 | 0.21 | 0.33 | 0.29 | 0.29 | 0.26 | 0.14 | 0.05 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.13 | 0.21 | 0.32 | 0.26 | 0.25 | 0.27 | 0.22 | 0.05 | 0.02 | |
| 17 | 0.03 | 0.03 | 0.06 | 0.13 | 0.20 | 0.31 | 0.32 | 0.28 | 0.24 | 0.20 | 0.06 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.06 | 0.14 | 0.23 | 0.29 | 0.27 | 0.25 | 0.24 | 0.11 | 0.04 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.06 | 0.15 | 0.24 | 0.30 | 0.30 | 0.22 | 0.24 | 0.12 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.09 | 0.17 | 0.24 | 0.30 | 0.31 | 0.25 | 0.21 | 0.13 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.04 | 0.07 | 0.17 | 0.25 | 0.35 | 0.30 | 0.26 | 0.13 | 0.11 | 0.06 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.07 | 0.17 | 0.21 | 0.30 | 0.31 | 0.27 | 0.13 | 0.11 | 0.07 | 0.05 | |
| 23 | 0.03 | 0.04 | 0.08 | 0.13 | 0.20 | 0.32 | 0.34 | 0.21 | 0.13 | 0.11 | 0.04 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.08 | 0.11 | 0.20 | 0.35 | 0.34 | 0.25 | 0.17 | 0.09 | 0.05 | 0.03 | |
| 25 | 0.03 | 0.06 | 0.07 | 0.13 | 0.22 | 0.35 | 0.32 | 0.26 | 0.17 | 0.10 | 0.03 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.08 | 0.17 | 0.25 | 0.35 | 0.30 | 0.28 | 0.19 | 0.09 | 0.03 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.20 | 0.26 | 0.32 | 0.19 | 0.29 | 0.21 | 0.09 | 0.03 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.09 | 0.20 | 0.29 | 0.34 | 0.18 | 0.24 | 0.23 | 0.09 | 0.03 | 0.02 | |
| 29 | 0.03 | | 0.09 | 0.12 | 0.35 | 0.34 | 0.20 | 0.22 | 0.19 | 0.15 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.15 | 0.08 | 0.32 | 0.37 | 0.28 | 0.26 | 0.17 | 0.09 | 0.03 | 0.02 | |
| 31 | 0.04 | | 0.12 | | 0.31 | | 0.31 | 0.28 | | 0.09 | | 0.03 | |

Ms/aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.462 | 0.671 | 0.887 | 0.943 | 0.943 | 0.943 | 0.829 | 0.576 | 0.331 |
| 2 | 0.315 | 0.315 | 0.315 | 0.469 | 0.678 | 0.894 | 0.943 | 0.943 | 0.943 | 0.821 | 0.568 | 0.323 |
| 3 | 0.315 | 0.315 | 0.315 | 0.476 | 0.685 | 0.901 | 0.943 | 0.943 | 0.943 | 0.813 | 0.559 | 0.314 |
| 4 | 0.315 | 0.315 | 0.315 | 0.483 | 0.692 | 0.908 | 0.943 | 0.943 | 0.943 | 0.804 | 0.551 | 0.306 |
| 5 | 0.315 | 0.315 | 0.315 | 0.490 | 0.699 | 0.915 | 0.943 | 0.943 | 0.943 | 0.796 | 0.543 | 0.298 |
| 6 | 0.315 | 0.315 | 0.315 | 0.497 | 0.706 | 0.922 | 0.943 | 0.943 | 0.943 | 0.788 | 0.535 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.504 | 0.713 | 0.929 | 0.943 | 0.943 | 0.943 | 0.780 | 0.527 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.511 | 0.720 | 0.936 | 0.943 | 0.943 | 0.943 | 0.772 | 0.519 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.518 | 0.727 | 0.943 | 0.943 | 0.943 | 0.943 | 0.764 | 0.510 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.525 | 0.734 | 0.943 | 0.943 | 0.943 | 0.943 | 0.755 | 0.502 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.532 | 0.741 | 0.943 | 0.943 | 0.943 | 0.943 | 0.747 | 0.494 | 0.300 |
| 12 | 0.315 | 0.315 | 0.322 | 0.539 | 0.748 | 0.943 | 0.943 | 0.943 | 0.943 | 0.739 | 0.486 | 0.300 |
| 13 | 0.315 | 0.315 | 0.329 | 0.546 | 0.755 | 0.943 | 0.943 | 0.943 | 0.943 | 0.731 | 0.478 | 0.300 |
| 14 | 0.315 | 0.315 | 0.336 | 0.552 | 0.762 | 0.943 | 0.943 | 0.943 | 0.943 | 0.723 | 0.470 | 0.300 |
| 15 | 0.315 | 0.315 | 0.343 | 0.559 | 0.769 | 0.943 | 0.943 | 0.943 | 0.943 | 0.715 | 0.461 | 0.300 |
| 16 | 0.315 | 0.315 | 0.350 | 0.566 | 0.776 | 0.943 | 0.943 | 0.943 | 0.943 | 0.706 | 0.453 | 0.300 |
| 17 | 0.315 | 0.315 | 0.357 | 0.573 | 0.783 | 0.943 | 0.943 | 0.943 | 0.943 | 0.698 | 0.445 | 0.300 |
| 18 | 0.315 | 0.315 | 0.364 | 0.580 | 0.790 | 0.943 | 0.943 | 0.943 | 0.935 | 0.690 | 0.437 | 0.300 |
| 19 | 0.315 | 0.315 | 0.371 | 0.587 | 0.797 | 0.943 | 0.943 | 0.943 | 0.927 | 0.682 | 0.429 | 0.300 |
| 20 | 0.315 | 0.315 | 0.378 | 0.594 | 0.804 | 0.943 | 0.943 | 0.943 | 0.919 | 0.674 | 0.421 | 0.300 |
| 21 | 0.315 | 0.315 | 0.385 | 0.601 | 0.811 | 0.943 | 0.943 | 0.943 | 0.910 | 0.666 | 0.412 | 0.300 |
| 22 | 0.315 | 0.315 | 0.392 | 0.608 | 0.818 | 0.943 | 0.943 | 0.943 | 0.902 | 0.657 | 0.404 | 0.300 |
| 23 | 0.315 | 0.315 | 0.399 | 0.615 | 0.825 | 0.943 | 0.943 | 0.943 | 0.894 | 0.649 | 0.396 | 0.300 |
| 24 | 0.315 | 0.315 | 0.406 | 0.622 | 0.832 | 0.943 | 0.943 | 0.943 | 0.886 | 0.641 | 0.388 | 0.300 |
| 25 | 0.315 | 0.315 | 0.413 | 0.629 | 0.839 | 0.943 | 0.943 | 0.943 | 0.878 | 0.633 | 0.380 | 0.300 |
| 26 | 0.315 | 0.315 | 0.420 | 0.636 | 0.845 | 0.943 | 0.943 | 0.943 | 0.870 | 0.625 | 0.372 | 0.300 |
| 27 | 0.315 | 0.315 | 0.427 | 0.643 | 0.852 | 0.943 | 0.943 | 0.943 | 0.862 | 0.617 | 0.363 | 0.300 |
| 28 | 0.315 | 0.315 | 0.434 | 0.650 | 0.859 | 0.943 | 0.943 | 0.943 | 0.853 | 0.608 | 0.355 | 0.300 |
| 29 | 0.315 | | 0.441 | 0.657 | 0.866 | 0.943 | 0.943 | 0.943 | 0.845 | 0.600 | 0.347 | 0.300 |
| 30 | 0.315 | | 0.448 | 0.664 | 0.873 | 0.943 | 0.943 | 0.943 | 0.837 | 0.592 | 0.339 | 0.300 |
| 31 | 0.315 | | 0.455 | | 0.880 | | 0.943 | 0.943 | | 0.584 | | 0.300 |

ET calculations for Sheet AP: Page 1 of 2 1999 PHREATOPHYTE ET
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(Sheet to calculate ET for Phreatophyte area classified Aw [51-100% arrowweed & <= 10% any trees])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.06 | 0.15 | 0.26 | 0.40 | 0.32 | 0.26 | 0.14 | 0.05 | 0.03 | |
| 2 | 0.04 | 0.04 | 0.05 | 0.09 | 0.24 | 0.30 | 0.40 | 0.27 | 0.26 | 0.15 | 0.06 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.10 | 0.19 | 0.29 | 0.39 | 0.30 | 0.22 | 0.12 | 0.06 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.08 | 0.19 | 0.28 | 0.35 | 0.32 | 0.21 | 0.13 | 0.05 | 0.03 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.10 | 0.21 | 0.25 | 0.31 | 0.33 | 0.24 | 0.14 | 0.05 | 0.02 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.11 | 0.21 | 0.31 | 0.34 | 0.32 | 0.22 | 0.17 | 0.05 | 0.02 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.10 | 0.23 | 0.37 | 0.18 | 0.31 | 0.22 | 0.16 | 0.05 | 0.03 | |
| 8 | 0.04 | 0.03 | 0.05 | 0.11 | 0.29 | 0.34 | 0.14 | 0.30 | 0.23 | 0.12 | 0.04 | 0.05 | |
| 9 | 0.03 | 0.04 | 0.06 | 0.12 | 0.24 | 0.31 | 0.25 | 0.30 | 0.15 | 0.12 | 0.05 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.11 | 0.20 | 0.29 | 0.31 | 0.32 | 0.21 | 0.13 | 0.04 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.12 | 0.22 | 0.28 | 0.27 | 0.28 | 0.22 | 0.12 | 0.04 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.08 | 0.07 | 0.26 | 0.29 | 0.20 | 0.26 | 0.20 | 0.12 | 0.05 | 0.02 | |
| 13 | 0.03 | 0.04 | 0.06 | 0.09 | 0.30 | 0.28 | 0.19 | 0.29 | 0.21 | 0.11 | 0.05 | 0.03 | |
| 14 | 0.03 | 0.04 | 0.07 | 0.14 | 0.25 | 0.30 | 0.25 | 0.29 | 0.21 | 0.11 | 0.04 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.08 | 0.15 | 0.23 | 0.33 | 0.30 | 0.29 | 0.21 | 0.11 | 0.04 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.14 | 0.23 | 0.32 | 0.26 | 0.26 | 0.22 | 0.17 | 0.04 | 0.02 | |
| 17 | 0.03 | 0.03 | 0.06 | 0.14 | 0.22 | 0.31 | 0.32 | 0.29 | 0.19 | 0.16 | 0.04 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.06 | 0.15 | 0.25 | 0.30 | 0.27 | 0.25 | 0.19 | 0.09 | 0.03 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.17 | 0.26 | 0.30 | 0.31 | 0.22 | 0.19 | 0.10 | 0.03 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.10 | 0.18 | 0.26 | 0.31 | 0.31 | 0.25 | 0.17 | 0.10 | 0.03 | 0.04 | |
| 21 | 0.05 | 0.04 | 0.08 | 0.19 | 0.27 | 0.35 | 0.31 | 0.26 | 0.11 | 0.09 | 0.05 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.08 | 0.19 | 0.23 | 0.30 | 0.31 | 0.27 | 0.10 | 0.09 | 0.06 | 0.05 | |
| 23 | 0.03 | 0.04 | 0.09 | 0.14 | 0.22 | 0.32 | 0.34 | 0.21 | 0.11 | 0.09 | 0.03 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.08 | 0.12 | 0.22 | 0.35 | 0.34 | 0.24 | 0.14 | 0.08 | 0.04 | 0.03 | |
| 25 | 0.03 | 0.06 | 0.07 | 0.14 | 0.24 | 0.35 | 0.32 | 0.25 | 0.14 | 0.08 | 0.03 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.09 | 0.19 | 0.27 | 0.35 | 0.31 | 0.26 | 0.15 | 0.07 | 0.03 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.22 | 0.29 | 0.32 | 0.19 | 0.27 | 0.17 | 0.07 | 0.03 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.09 | 0.22 | 0.32 | 0.34 | 0.18 | 0.23 | 0.19 | 0.07 | 0.03 | 0.02 | |
| 29 | 0.03 | | 0.10 | 0.13 | 0.38 | 0.35 | 0.20 | 0.21 | 0.15 | 0.12 | 0.02 | 0.02 | |
| 30 | 0.03 | | 0.16 | 0.09 | 0.35 | 0.37 | 0.29 | 0.24 | 0.14 | 0.07 | 0.02 | 0.02 | |
| 31 | 0.04 | | 0.13 | | 0.34 | | 0.31 | 0.26 | | 0.07 | | 0.03 | |

Aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.510 | 0.736 | 0.953 | 0.953 | 0.953 | 0.860 | 0.661 | 0.456 | 0.300 |
| 2 | 0.315 | 0.315 | 0.315 | 0.518 | 0.743 | 0.953 | 0.953 | 0.953 | 0.854 | 0.655 | 0.449 | 0.300 |
| 3 | 0.315 | 0.315 | 0.315 | 0.525 | 0.751 | 0.953 | 0.953 | 0.953 | 0.847 | 0.648 | 0.443 | 0.300 |
| 4 | 0.315 | 0.315 | 0.315 | 0.533 | 0.758 | 0.953 | 0.953 | 0.953 | 0.840 | 0.641 | 0.436 | 0.300 |
| 5 | 0.315 | 0.315 | 0.315 | 0.540 | 0.766 | 0.953 | 0.953 | 0.953 | 0.834 | 0.635 | 0.429 | 0.300 |
| 6 | 0.315 | 0.315 | 0.315 | 0.548 | 0.773 | 0.953 | 0.953 | 0.953 | 0.827 | 0.628 | 0.423 | 0.300 |
| 7 | 0.315 | 0.315 | 0.323 | 0.555 | 0.781 | 0.953 | 0.953 | 0.953 | 0.821 | 0.622 | 0.416 | 0.300 |
| 8 | 0.315 | 0.315 | 0.330 | 0.563 | 0.788 | 0.953 | 0.953 | 0.953 | 0.814 | 0.615 | 0.409 | 0.300 |
| 9 | 0.315 | 0.315 | 0.338 | 0.570 | 0.796 | 0.953 | 0.953 | 0.953 | 0.807 | 0.608 | 0.403 | 0.300 |
| 10 | 0.315 | 0.315 | 0.345 | 0.578 | 0.803 | 0.953 | 0.953 | 0.953 | 0.801 | 0.602 | 0.396 | 0.300 |
| 11 | 0.315 | 0.315 | 0.353 | 0.585 | 0.811 | 0.953 | 0.953 | 0.953 | 0.794 | 0.595 | 0.389 | 0.300 |
| 12 | 0.315 | 0.315 | 0.360 | 0.593 | 0.818 | 0.953 | 0.953 | 0.953 | 0.787 | 0.588 | 0.383 | 0.300 |
| 13 | 0.315 | 0.315 | 0.368 | 0.600 | 0.826 | 0.953 | 0.953 | 0.953 | 0.781 | 0.582 | 0.376 | 0.300 |
| 14 | 0.315 | 0.315 | 0.375 | 0.608 | 0.833 | 0.953 | 0.953 | 0.953 | 0.774 | 0.575 | 0.370 | 0.300 |
| 15 | 0.315 | 0.315 | 0.383 | 0.615 | 0.841 | 0.953 | 0.953 | 0.953 | 0.767 | 0.569 | 0.363 | 0.300 |
| 16 | 0.315 | 0.315 | 0.390 | 0.623 | 0.848 | 0.953 | 0.953 | 0.953 | 0.761 | 0.562 | 0.356 | 0.300 |
| 17 | 0.315 | 0.315 | 0.398 | 0.630 | 0.856 | 0.953 | 0.953 | 0.953 | 0.754 | 0.555 | 0.350 | 0.300 |
| 18 | 0.315 | 0.315 | 0.405 | 0.638 | 0.863 | 0.953 | 0.953 | 0.953 | 0.748 | 0.549 | 0.343 | 0.300 |
| 19 | 0.315 | 0.315 | 0.413 | 0.645 | 0.871 | 0.953 | 0.953 | 0.946 | 0.741 | 0.542 | 0.336 | 0.300 |
| 20 | 0.315 | 0.315 | 0.420 | 0.653 | 0.878 | 0.953 | 0.953 | 0.940 | 0.734 | 0.535 | 0.330 | 0.300 |
| 21 | 0.315 | 0.315 | 0.428 | 0.660 | 0.886 | 0.953 | 0.953 | 0.933 | 0.728 | 0.529 | 0.323 | 0.300 |
| 22 | 0.315 | 0.315 | 0.435 | 0.668 | 0.893 | 0.953 | 0.953 | 0.927 | 0.721 | 0.522 | 0.317 | 0.300 |
| 23 | 0.315 | 0.315 | 0.443 | 0.675 | 0.901 | 0.953 | 0.953 | 0.920 | 0.714 | 0.515 | 0.310 | 0.300 |
| 24 | 0.315 | 0.315 | 0.450 | 0.683 | 0.908 | 0.953 | 0.953 | 0.913 | 0.708 | 0.509 | 0.303 | 0.300 |
| 25 | 0.315 | 0.315 | 0.458 | 0.690 | 0.916 | 0.953 | 0.953 | 0.907 | 0.701 | 0.502 | 0.297 | 0.300 |
| 26 | 0.315 | 0.315 | 0.465 | 0.698 | 0.923 | 0.953 | 0.953 | 0.900 | 0.695 | 0.496 | 0.290 | 0.300 |
| 27 | 0.315 | 0.315 | 0.473 | 0.705 | 0.931 | 0.953 | 0.953 | 0.893 | 0.688 | 0.489 | 0.300 | 0.300 |
| 28 | 0.315 | 0.315 | 0.480 | 0.713 | 0.938 | 0.953 | 0.953 | 0.887 | 0.681 | 0.482 | 0.300 | 0.300 |
| 29 | 0.315 | | 0.488 | 0.721 | 0.946 | 0.953 | 0.953 | 0.880 | 0.675 | 0.476 | 0.300 | 0.300 |
| 30 | 0.315 | | 0.495 | 0.728 | 0.953 | 0.953 | 0.953 | 0.874 | 0.668 | 0.469 | 0.300 | 0.300 |
| 31 | 0.315 | | 0.503 | | 0.953 | | 0.953 | 0.867 | | 0.462 | | 0.300 |

ET calculations for Sheet AQ: Page 1 of 2 1999 PHREATOPHYTE ET
 Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
 (Sheet to calculate ET for Phreatophyte area classified Cw [61-100% cottonwood and willow trees])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.07 | 0.15 | 0.28 | 0.43 | 0.35 | 0.28 | 0.14 | 0.05 | 0.03 | |
| 2 | 0.04 | 0.04 | 0.05 | 0.10 | 0.26 | 0.32 | 0.42 | 0.29 | 0.27 | 0.16 | 0.06 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.10 | 0.20 | 0.31 | 0.42 | 0.32 | 0.24 | 0.13 | 0.06 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.09 | 0.20 | 0.30 | 0.38 | 0.34 | 0.23 | 0.14 | 0.05 | 0.03 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.10 | 0.22 | 0.27 | 0.34 | 0.35 | 0.25 | 0.15 | 0.06 | 0.02 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.11 | 0.22 | 0.34 | 0.37 | 0.34 | 0.23 | 0.18 | 0.05 | 0.02 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.11 | 0.25 | 0.40 | 0.19 | 0.33 | 0.23 | 0.17 | 0.05 | 0.03 | |
| 8 | 0.04 | 0.03 | 0.05 | 0.11 | 0.31 | 0.37 | 0.15 | 0.32 | 0.24 | 0.12 | 0.04 | 0.05 | |
| 9 | 0.03 | 0.04 | 0.06 | 0.13 | 0.26 | 0.33 | 0.27 | 0.32 | 0.16 | 0.13 | 0.05 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.11 | 0.22 | 0.31 | 0.33 | 0.34 | 0.22 | 0.13 | 0.04 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.13 | 0.23 | 0.30 | 0.29 | 0.30 | 0.23 | 0.12 | 0.05 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.08 | 0.08 | 0.28 | 0.31 | 0.21 | 0.28 | 0.22 | 0.13 | 0.05 | 0.02 | |
| 13 | 0.03 | 0.04 | 0.06 | 0.10 | 0.31 | 0.30 | 0.20 | 0.31 | 0.22 | 0.11 | 0.05 | 0.03 | |
| 14 | 0.03 | 0.04 | 0.07 | 0.15 | 0.27 | 0.32 | 0.27 | 0.31 | 0.23 | 0.12 | 0.04 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.08 | 0.16 | 0.25 | 0.35 | 0.32 | 0.31 | 0.22 | 0.11 | 0.04 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.15 | 0.25 | 0.34 | 0.28 | 0.27 | 0.23 | 0.18 | 0.04 | 0.02 | |
| 17 | 0.03 | 0.03 | 0.07 | 0.15 | 0.24 | 0.34 | 0.35 | 0.31 | 0.20 | 0.16 | 0.04 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.07 | 0.16 | 0.27 | 0.32 | 0.29 | 0.27 | 0.20 | 0.09 | 0.03 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.18 | 0.28 | 0.32 | 0.33 | 0.23 | 0.20 | 0.10 | 0.03 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.10 | 0.19 | 0.28 | 0.33 | 0.33 | 0.27 | 0.18 | 0.11 | 0.03 | 0.04 | |
| 21 | 0.05 | 0.04 | 0.08 | 0.20 | 0.29 | 0.38 | 0.33 | 0.28 | 0.11 | 0.09 | 0.05 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.08 | 0.20 | 0.25 | 0.33 | 0.33 | 0.29 | 0.11 | 0.09 | 0.06 | 0.05 | |
| 23 | 0.03 | 0.04 | 0.09 | 0.15 | 0.24 | 0.34 | 0.36 | 0.22 | 0.11 | 0.09 | 0.03 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.09 | 0.13 | 0.23 | 0.38 | 0.36 | 0.26 | 0.15 | 0.08 | 0.04 | 0.03 | |
| 25 | 0.03 | 0.06 | 0.08 | 0.15 | 0.25 | 0.38 | 0.34 | 0.27 | 0.15 | 0.08 | 0.03 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.10 | 0.20 | 0.29 | 0.38 | 0.33 | 0.28 | 0.16 | 0.08 | 0.03 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.10 | 0.24 | 0.31 | 0.35 | 0.20 | 0.29 | 0.18 | 0.07 | 0.03 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.10 | 0.23 | 0.34 | 0.37 | 0.19 | 0.24 | 0.20 | 0.08 | 0.03 | 0.02 | |
| 29 | 0.03 | | 0.11 | 0.14 | 0.40 | 0.37 | 0.21 | 0.22 | 0.16 | 0.13 | 0.02 | 0.02 | |
| 30 | 0.03 | | 0.17 | 0.09 | 0.37 | 0.40 | 0.31 | 0.26 | 0.15 | 0.08 | 0.02 | 0.02 | |
| 31 | 0.04 | | 0.13 | | 0.36 | | 0.33 | 0.28 | | 0.07 | | 0.03 | |

Cw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.531 | 0.780 | 1.020 | 1.020 | 1.020 | 0.918 | 0.699 | 0.472 | 0.300 |
| 2 | 0.315 | 0.315 | 0.315 | 0.539 | 0.788 | 1.020 | 1.020 | 1.020 | 0.910 | 0.691 | 0.465 | 0.300 |
| 3 | 0.315 | 0.315 | 0.315 | 0.547 | 0.796 | 1.020 | 1.020 | 1.020 | 0.903 | 0.684 | 0.458 | 0.300 |
| 4 | 0.315 | 0.315 | 0.315 | 0.556 | 0.804 | 1.020 | 1.020 | 1.020 | 0.896 | 0.677 | 0.451 | 0.300 |
| 5 | 0.315 | 0.315 | 0.315 | 0.564 | 0.813 | 1.020 | 1.020 | 1.020 | 0.889 | 0.670 | 0.443 | 0.300 |
| 6 | 0.315 | 0.315 | 0.315 | 0.572 | 0.821 | 1.020 | 1.020 | 1.020 | 0.881 | 0.662 | 0.436 | 0.300 |
| 7 | 0.315 | 0.315 | 0.324 | 0.581 | 0.829 | 1.020 | 1.020 | 1.020 | 0.874 | 0.655 | 0.429 | 0.300 |
| 8 | 0.315 | 0.315 | 0.332 | 0.589 | 0.838 | 1.020 | 1.020 | 1.020 | 0.867 | 0.648 | 0.421 | 0.300 |
| 9 | 0.315 | 0.315 | 0.340 | 0.597 | 0.846 | 1.020 | 1.020 | 1.020 | 0.859 | 0.640 | 0.414 | 0.300 |
| 10 | 0.315 | 0.315 | 0.348 | 0.605 | 0.854 | 1.020 | 1.020 | 1.020 | 0.852 | 0.633 | 0.407 | 0.300 |
| 11 | 0.315 | 0.315 | 0.357 | 0.614 | 0.862 | 1.020 | 1.020 | 1.020 | 0.845 | 0.626 | 0.399 | 0.300 |
| 12 | 0.315 | 0.315 | 0.365 | 0.622 | 0.871 | 1.020 | 1.020 | 1.020 | 0.837 | 0.618 | 0.392 | 0.300 |
| 13 | 0.315 | 0.315 | 0.373 | 0.630 | 0.879 | 1.020 | 1.020 | 1.020 | 0.830 | 0.611 | 0.385 | 0.300 |
| 14 | 0.315 | 0.315 | 0.382 | 0.639 | 0.887 | 1.020 | 1.020 | 1.020 | 0.823 | 0.604 | 0.378 | 0.300 |
| 15 | 0.315 | 0.315 | 0.390 | 0.647 | 0.896 | 1.020 | 1.020 | 1.020 | 0.816 | 0.597 | 0.370 | 0.300 |
| 16 | 0.315 | 0.315 | 0.398 | 0.655 | 0.904 | 1.020 | 1.020 | 1.020 | 0.808 | 0.589 | 0.363 | 0.300 |
| 17 | 0.315 | 0.315 | 0.406 | 0.663 | 0.912 | 1.020 | 1.020 | 1.020 | 0.801 | 0.582 | 0.356 | 0.300 |
| 18 | 0.315 | 0.315 | 0.415 | 0.672 | 0.920 | 1.020 | 1.020 | 1.020 | 0.794 | 0.575 | 0.348 | 0.300 |
| 19 | 0.315 | 0.315 | 0.423 | 0.680 | 0.929 | 1.020 | 1.020 | 1.013 | 0.786 | 0.567 | 0.341 | 0.300 |
| 20 | 0.315 | 0.315 | 0.431 | 0.688 | 0.937 | 1.020 | 1.020 | 1.005 | 0.779 | 0.560 | 0.334 | 0.300 |
| 21 | 0.315 | 0.315 | 0.440 | 0.697 | 0.945 | 1.020 | 1.020 | 0.998 | 0.772 | 0.553 | 0.326 | 0.300 |
| 22 | 0.315 | 0.315 | 0.448 | 0.705 | 0.954 | 1.020 | 1.020 | 0.991 | 0.764 | 0.545 | 0.319 | 0.300 |
| 23 | 0.315 | 0.315 | 0.456 | 0.713 | 0.962 | 1.020 | 1.020 | 0.983 | 0.757 | 0.538 | 0.312 | 0.300 |
| 24 | 0.315 | 0.315 | 0.465 | 0.721 | 0.970 | 1.020 | 1.020 | 0.976 | 0.750 | 0.531 | 0.305 | 0.300 |
| 25 | 0.315 | 0.315 | 0.473 | 0.730 | 0.978 | 1.020 | 1.020 | 0.969 | 0.743 | 0.524 | 0.297 | 0.300 |
| 26 | 0.315 | 0.315 | 0.481 | 0.738 | 0.987 | 1.020 | 1.020 | 0.962 | 0.735 | 0.516 | 0.290 | 0.300 |
| 27 | 0.315 | 0.315 | 0.489 | 0.746 | 0.995 | 1.020 | 1.020 | 0.954 | 0.728 | 0.509 | 0.300 | 0.300 |
| 28 | 0.315 | 0.315 | 0.498 | 0.755 | 1.003 | 1.020 | 1.020 | 0.947 | 0.721 | 0.502 | 0.300 | 0.300 |
| 29 | 0.315 | | 0.506 | 0.763 | 1.012 | 1.020 | 1.020 | 0.940 | 0.713 | 0.494 | 0.300 | 0.300 |
| 30 | 0.315 | | 0.514 | 0.771 | 1.020 | 1.020 | 1.020 | 0.932 | 0.706 | 0.487 | 0.300 | 0.300 |
| 31 | 0.315 | | 0.523 | | 1.020 | | 1.020 | 0.925 | | 0.480 | | 0.300 |

ET calculations for Sheet AR: Page 1 of 2 1999 PHREATOPHYTE ET
Parker/Palo Verde Area - Average of 3 CIMIS & 1 AZMET Station
(Sheet to calculate ET for Phreatophyte area classified Low Vegetation [$> 10\%$ and $\leq 30\%$ any phreatophyte vegetation])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.04 | 0.05 | 0.06 | 0.13 | 0.23 | 0.35 | 0.28 | 0.24 | 0.13 | 0.05 | 0.04 | |
| 2 | 0.04 | 0.04 | 0.05 | 0.09 | 0.22 | 0.26 | 0.35 | 0.24 | 0.24 | 0.15 | 0.06 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.09 | 0.17 | 0.25 | 0.34 | 0.26 | 0.21 | 0.12 | 0.06 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.08 | 0.17 | 0.24 | 0.31 | 0.28 | 0.20 | 0.13 | 0.06 | 0.03 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.09 | 0.19 | 0.22 | 0.28 | 0.29 | 0.22 | 0.14 | 0.06 | 0.02 | |
| 6 | 0.03 | 0.02 | 0.06 | 0.10 | 0.18 | 0.27 | 0.30 | 0.28 | 0.21 | 0.17 | 0.05 | 0.02 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.10 | 0.21 | 0.33 | 0.16 | 0.27 | 0.21 | 0.16 | 0.05 | 0.03 | |
| 8 | 0.04 | 0.03 | 0.05 | 0.10 | 0.26 | 0.30 | 0.13 | 0.26 | 0.22 | 0.12 | 0.04 | 0.05 | |
| 9 | 0.03 | 0.04 | 0.06 | 0.11 | 0.22 | 0.27 | 0.22 | 0.26 | 0.14 | 0.12 | 0.05 | 0.02 | |
| 10 | 0.02 | 0.05 | 0.05 | 0.10 | 0.18 | 0.25 | 0.27 | 0.28 | 0.20 | 0.12 | 0.05 | 0.03 | |
| 11 | 0.03 | 0.04 | 0.06 | 0.11 | 0.19 | 0.24 | 0.24 | 0.24 | 0.21 | 0.12 | 0.05 | 0.06 | |
| 12 | 0.03 | 0.05 | 0.07 | 0.07 | 0.23 | 0.25 | 0.17 | 0.23 | 0.19 | 0.12 | 0.06 | 0.02 | |
| 13 | 0.03 | 0.04 | 0.06 | 0.08 | 0.26 | 0.25 | 0.16 | 0.25 | 0.20 | 0.11 | 0.05 | 0.03 | |
| 14 | 0.03 | 0.04 | 0.06 | 0.13 | 0.22 | 0.26 | 0.22 | 0.25 | 0.21 | 0.11 | 0.05 | 0.04 | |
| 15 | 0.03 | 0.04 | 0.07 | 0.14 | 0.21 | 0.29 | 0.26 | 0.26 | 0.20 | 0.11 | 0.04 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.13 | 0.20 | 0.28 | 0.23 | 0.22 | 0.21 | 0.18 | 0.04 | 0.02 | |
| 17 | 0.03 | 0.03 | 0.06 | 0.13 | 0.20 | 0.27 | 0.28 | 0.25 | 0.18 | 0.16 | 0.05 | 0.03 | |
| 18 | 0.03 | 0.03 | 0.06 | 0.14 | 0.22 | 0.26 | 0.24 | 0.22 | 0.18 | 0.09 | 0.04 | 0.02 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.15 | 0.23 | 0.26 | 0.27 | 0.19 | 0.19 | 0.10 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.05 | 0.10 | 0.17 | 0.23 | 0.27 | 0.27 | 0.23 | 0.16 | 0.10 | 0.03 | 0.04 | |
| 21 | 0.05 | 0.04 | 0.08 | 0.17 | 0.24 | 0.31 | 0.27 | 0.23 | 0.10 | 0.09 | 0.06 | 0.04 | |
| 22 | 0.03 | 0.06 | 0.07 | 0.17 | 0.21 | 0.27 | 0.27 | 0.24 | 0.10 | 0.09 | 0.07 | 0.05 | |
| 23 | 0.03 | 0.04 | 0.09 | 0.13 | 0.19 | 0.28 | 0.30 | 0.19 | 0.10 | 0.09 | 0.04 | 0.04 | |
| 24 | 0.03 | 0.04 | 0.08 | 0.11 | 0.19 | 0.31 | 0.30 | 0.22 | 0.14 | 0.08 | 0.04 | 0.03 | |
| 25 | 0.03 | 0.06 | 0.07 | 0.13 | 0.21 | 0.31 | 0.28 | 0.23 | 0.14 | 0.08 | 0.03 | 0.03 | |
| 26 | 0.04 | 0.05 | 0.09 | 0.17 | 0.24 | 0.31 | 0.27 | 0.24 | 0.15 | 0.08 | 0.03 | 0.03 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.20 | 0.25 | 0.28 | 0.17 | 0.25 | 0.17 | 0.07 | 0.03 | 0.03 | |
| 28 | 0.05 | 0.05 | 0.09 | 0.19 | 0.28 | 0.30 | 0.16 | 0.21 | 0.18 | 0.08 | 0.03 | 0.02 | |
| 29 | 0.03 | | 0.09 | 0.12 | 0.33 | 0.30 | 0.17 | 0.20 | 0.15 | 0.13 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.15 | 0.08 | 0.30 | 0.32 | 0.25 | 0.23 | 0.14 | 0.08 | 0.03 | 0.02 | |
| 31 | 0.04 | | 0.12 | | 0.30 | | 0.27 | 0.25 | | 0.07 | | 0.03 | |

1999 PHREATOPHYTE ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.474 | 0.658 | 0.835 | 0.835 | 0.835 | 0.813 | 0.650 | 0.481 | 0.317 |
| 2 | 0.315 | 0.315 | 0.315 | 0.480 | 0.664 | 0.835 | 0.835 | 0.835 | 0.808 | 0.644 | 0.475 | 0.312 |
| 3 | 0.315 | 0.315 | 0.315 | 0.487 | 0.670 | 0.835 | 0.835 | 0.835 | 0.802 | 0.639 | 0.470 | 0.306 |
| 4 | 0.315 | 0.315 | 0.315 | 0.493 | 0.676 | 0.835 | 0.835 | 0.835 | 0.797 | 0.633 | 0.464 | 0.301 |
| 5 | 0.315 | 0.315 | 0.315 | 0.499 | 0.682 | 0.835 | 0.835 | 0.835 | 0.791 | 0.628 | 0.459 | 0.295 |
| 6 | 0.315 | 0.315 | 0.315 | 0.505 | 0.688 | 0.835 | 0.835 | 0.835 | 0.786 | 0.622 | 0.454 | 0.290 |
| 7 | 0.315 | 0.315 | 0.321 | 0.511 | 0.694 | 0.835 | 0.835 | 0.835 | 0.781 | 0.617 | 0.448 | 0.300 |
| 8 | 0.315 | 0.315 | 0.328 | 0.517 | 0.701 | 0.835 | 0.835 | 0.835 | 0.775 | 0.612 | 0.443 | 0.300 |
| 9 | 0.315 | 0.315 | 0.334 | 0.523 | 0.707 | 0.835 | 0.835 | 0.835 | 0.770 | 0.606 | 0.437 | 0.300 |
| 10 | 0.315 | 0.315 | 0.340 | 0.529 | 0.713 | 0.835 | 0.835 | 0.835 | 0.764 | 0.601 | 0.432 | 0.300 |
| 11 | 0.315 | 0.315 | 0.346 | 0.535 | 0.719 | 0.835 | 0.835 | 0.835 | 0.759 | 0.595 | 0.426 | 0.300 |
| 12 | 0.315 | 0.315 | 0.352 | 0.542 | 0.725 | 0.835 | 0.835 | 0.835 | 0.753 | 0.590 | 0.421 | 0.300 |
| 13 | 0.315 | 0.315 | 0.358 | 0.548 | 0.731 | 0.835 | 0.835 | 0.835 | 0.748 | 0.584 | 0.415 | 0.300 |
| 14 | 0.315 | 0.315 | 0.364 | 0.554 | 0.737 | 0.835 | 0.835 | 0.835 | 0.742 | 0.579 | 0.410 | 0.300 |
| 15 | 0.315 | 0.315 | 0.370 | 0.560 | 0.743 | 0.835 | 0.835 | 0.835 | 0.737 | 0.573 | 0.404 | 0.300 |
| 16 | 0.315 | 0.315 | 0.376 | 0.566 | 0.749 | 0.835 | 0.835 | 0.835 | 0.731 | 0.568 | 0.399 | 0.300 |
| 17 | 0.315 | 0.315 | 0.383 | 0.572 | 0.756 | 0.835 | 0.835 | 0.835 | 0.726 | 0.563 | 0.394 | 0.300 |
| 18 | 0.315 | 0.315 | 0.389 | 0.578 | 0.762 | 0.835 | 0.835 | 0.835 | 0.721 | 0.557 | 0.388 | 0.300 |
| 19 | 0.315 | 0.315 | 0.395 | 0.584 | 0.768 | 0.835 | 0.835 | 0.835 | 0.715 | 0.552 | 0.383 | 0.300 |
| 20 | 0.315 | 0.315 | 0.401 | 0.590 | 0.774 | 0.835 | 0.835 | 0.835 | 0.710 | 0.546 | 0.377 | 0.300 |
| 21 | 0.315 | 0.315 | 0.407 | 0.597 | 0.780 | 0.835 | 0.835 | 0.835 | 0.704 | 0.541 | 0.372 | 0.300 |
| 22 | 0.315 | 0.315 | 0.413 | 0.603 | 0.786 | 0.835 | 0.835 | 0.835 | 0.699 | 0.535 | 0.366 | 0.300 |
| 23 | 0.315 | 0.315 | 0.419 | 0.609 | 0.792 | 0.835 | 0.835 | 0.835 | 0.693 | 0.530 | 0.361 | 0.300 |
| 24 | 0.315 | 0.315 | 0.425 | 0.615 | 0.798 | 0.835 | 0.835 | 0.835 | 0.688 | 0.524 | 0.355 | 0.300 |
| 25 | 0.315 | 0.315 | 0.431 | 0.621 | 0.804 | 0.835 | 0.835 | 0.835 | 0.682 | 0.519 | 0.350 | 0.300 |
| 26 | 0.315 | 0.315 | 0.438 | 0.627 | 0.811 | 0.835 | 0.835 | 0.835 | 0.677 | 0.513 | 0.345 | 0.300 |
| 27 | 0.315 | 0.315 | 0.444 | 0.633 | 0.817 | 0.835 | 0.835 | 0.835 | 0.672 | 0.508 | 0.339 | 0.300 |
| 28 | 0.315 | 0.315 | 0.450 | 0.639 | 0.823 | 0.835 | 0.835 | 0.835 | 0.666 | 0.503 | 0.334 | 0.300 |
| 29 | 0.315 | | 0.456 | 0.645 | 0.829 | 0.835 | 0.835 | 0.830 | 0.661 | 0.497 | 0.328 | 0.300 |
| 30 | 0.315 | | 0.462 | 0.652 | 0.835 | 0.835 | 0.835 | 0.824 | 0.655 | 0.492 | 0.323 | 0.300 |
| 31 | 0.315 | | 0.468 | | 0.835 | | 0.835 | 0.819 | | 0.486 | | 0.300 |

AREA-SPECIFIC REFERENCE ET SHEET FOR THE PARKER/PALO VERDE VALLEYS

1999 Parker/Palo Verde Valley Area-Specific Reference ET Using The Standard Equation, in inches/day (average of 3 CIMIS Stations

[Palo Verde, Blythe NE, & Ripley], and 1 AZMET Station [Parker])

(Note: field data taken from daily values noted in file lcraspmet.xls)

| DAY | | | | | | | | | | | | | ANNUAL |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
| 1 | 0.15 | 0.11 | 0.17 | 0.13 | 0.20 | 0.28 | 0.42 | 0.34 | 0.30 | 0.21 | 0.11 | 0.12 | |
| 2 | 0.12 | 0.12 | 0.17 | 0.18 | 0.32 | 0.31 | 0.42 | 0.29 | 0.30 | 0.23 | 0.13 | 0.10 | |
| 3 | 0.12 | 0.10 | 0.21 | 0.19 | 0.26 | 0.30 | 0.41 | 0.31 | 0.26 | 0.19 | 0.13 | 0.18 | |
| 4 | 0.09 | 0.06 | 0.16 | 0.16 | 0.25 | 0.29 | 0.37 | 0.34 | 0.26 | 0.20 | 0.12 | 0.11 | |
| 5 | 0.09 | 0.05 | 0.14 | 0.18 | 0.27 | 0.26 | 0.33 | 0.34 | 0.28 | 0.22 | 0.12 | 0.08 | |
| 6 | 0.09 | 0.07 | 0.18 | 0.20 | 0.27 | 0.33 | 0.36 | 0.33 | 0.26 | 0.28 | 0.11 | 0.08 | |
| 7 | 0.10 | 0.08 | 0.16 | 0.19 | 0.30 | 0.39 | 0.19 | 0.33 | 0.26 | 0.26 | 0.11 | 0.11 | |
| 8 | 0.14 | 0.09 | 0.14 | 0.19 | 0.37 | 0.36 | 0.15 | 0.31 | 0.28 | 0.19 | 0.10 | 0.16 | |
| 9 | 0.10 | 0.13 | 0.17 | 0.21 | 0.30 | 0.33 | 0.27 | 0.32 | 0.19 | 0.20 | 0.11 | 0.06 | |
| 10 | 0.08 | 0.17 | 0.16 | 0.19 | 0.25 | 0.31 | 0.32 | 0.33 | 0.26 | 0.21 | 0.11 | 0.09 | |
| 11 | 0.08 | 0.13 | 0.18 | 0.21 | 0.27 | 0.29 | 0.29 | 0.29 | 0.28 | 0.20 | 0.11 | 0.19 | |
| 12 | 0.10 | 0.14 | 0.21 | 0.12 | 0.32 | 0.30 | 0.20 | 0.27 | 0.26 | 0.21 | 0.13 | 0.08 | |
| 13 | 0.10 | 0.13 | 0.16 | 0.15 | 0.36 | 0.30 | 0.20 | 0.31 | 0.27 | 0.19 | 0.13 | 0.10 | |
| 14 | 0.11 | 0.14 | 0.18 | 0.23 | 0.31 | 0.31 | 0.26 | 0.31 | 0.28 | 0.20 | 0.12 | 0.12 | |
| 15 | 0.09 | 0.14 | 0.20 | 0.25 | 0.28 | 0.35 | 0.31 | 0.31 | 0.28 | 0.19 | 0.11 | 0.09 | |
| 16 | 0.09 | 0.10 | 0.16 | 0.22 | 0.27 | 0.34 | 0.28 | 0.27 | 0.29 | 0.31 | 0.11 | 0.08 | |
| 17 | 0.08 | 0.11 | 0.16 | 0.23 | 0.26 | 0.33 | 0.34 | 0.30 | 0.25 | 0.28 | 0.13 | 0.09 | |
| 18 | 0.09 | 0.10 | 0.16 | 0.23 | 0.29 | 0.31 | 0.28 | 0.26 | 0.25 | 0.16 | 0.10 | 0.07 | |
| 19 | 0.09 | 0.14 | 0.17 | 0.26 | 0.30 | 0.31 | 0.32 | 0.23 | 0.26 | 0.18 | 0.09 | 0.16 | |
| 20 | 0.14 | 0.14 | 0.24 | 0.28 | 0.30 | 0.32 | 0.33 | 0.27 | 0.23 | 0.19 | 0.09 | 0.14 | |
| 21 | 0.16 | 0.13 | 0.19 | 0.29 | 0.31 | 0.37 | 0.32 | 0.28 | 0.15 | 0.17 | 0.16 | 0.12 | |
| 22 | 0.10 | 0.20 | 0.18 | 0.28 | 0.26 | 0.32 | 0.32 | 0.29 | 0.14 | 0.17 | 0.18 | 0.16 | |
| 23 | 0.10 | 0.14 | 0.20 | 0.21 | 0.25 | 0.34 | 0.36 | 0.22 | 0.15 | 0.17 | 0.10 | 0.12 | |
| 24 | 0.08 | 0.13 | 0.19 | 0.18 | 0.24 | 0.37 | 0.36 | 0.27 | 0.20 | 0.15 | 0.12 | 0.11 | |
| 25 | 0.10 | 0.18 | 0.16 | 0.20 | 0.26 | 0.37 | 0.34 | 0.28 | 0.20 | 0.16 | 0.09 | 0.09 | |
| 26 | 0.12 | 0.16 | 0.20 | 0.27 | 0.30 | 0.37 | 0.32 | 0.29 | 0.22 | 0.15 | 0.09 | 0.10 | |
| 27 | 0.08 | 0.13 | 0.20 | 0.32 | 0.31 | 0.34 | 0.20 | 0.31 | 0.25 | 0.14 | 0.08 | 0.08 | |
| 28 | 0.14 | 0.15 | 0.20 | 0.30 | 0.34 | 0.36 | 0.19 | 0.26 | 0.27 | 0.15 | 0.10 | 0.07 | |
| 29 | 0.10 | | 0.21 | 0.18 | 0.40 | 0.36 | 0.21 | 0.24 | 0.23 | 0.25 | 0.08 | 0.07 | |
| 30 | 0.10 | | 0.33 | 0.12 | 0.37 | 0.39 | 0.30 | 0.28 | 0.21 | 0.16 | 0.08 | 0.07 | |
| 31 | 0.13 | | 0.26 | | 0.36 | | 0.33 | 0.30 | | 0.15 | | 0.10 | |
| TOTAL | 3.23 | 3.47 | 5.80 | 6.35 | 9.13 | 9.91 | 9.28 | 9.06 | 7.30 | 6.09 | 3.35 | 3.30 | 76.25 |

Page 2 of 5 SITE-SPECIFIC REFERENCE ET FOR THE PALO VERDE CIMIS SITE USING THE STANDARD EQUATION (millimeters/day)

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| 1 | 3.90 | 2.40 | 4.00 | 2.60 | 4.60 | 7.10 | 12.40 | 8.70 | 7.70 | 4.70 | 2.70 | 2.60 | |
| 2 | 2.70 | 2.60 | 4.10 | 4.30 | 7.60 | 7.50 | 12.00 | 6.70 | 7.50 | 5.50 | 2.90 | 2.30 | |
| 3 | 3.00 | 2.30 | 5.10 | 4.40 | 6.70 | 7.20 | 11.30 | 7.60 | 6.80 | 4.60 | 2.70 | 4.20 | |
| 4 | 2.20 | 1.50 | 4.30 | 3.80 | 5.60 | 6.90 | 10.10 | 8.00 | 6.40 | 4.80 | 2.40 | 2.80 | |
| 5 | 2.00 | 1.30 | 3.50 | 4.20 | 6.10 | 6.40 | 8.30 | 7.60 | 6.90 | 6.70 | 2.80 | 1.80 | |
| 6 | 2.20 | 1.80 | 4.30 | 4.50 | 6.10 | 7.90 | 9.40 | 7.60 | 7.40 | 8.10 | 2.30 | 1.90 | |
| 7 | 1.80 | 2.20 | 4.00 | 4.40 | 6.90 | 9.40 | 4.30 | 8.00 | 6.80 | 6.90 | 2.60 | 2.90 | |
| 8 | 3.60 | 2.10 | 3.40 | 4.40 | 8.80 | 8.30 | 4.00 | 7.50 | 7.50 | 4.90 | 2.70 | 3.70 | |
| 9 | 2.70 | 3.30 | 4.00 | 4.90 | 6.50 | 7.50 | 6.40 | 7.90 | 4.30 | 4.80 | 2.50 | 1.70 | |
| 10 | 1.90 | 3.90 | 3.70 | 4.20 | 5.70 | 7.20 | 8.00 | 8.40 | 6.60 | 4.70 | 2.50 | 2.20 | |
| 11 | 1.80 | 3.20 | 4.40 | 4.90 | 6.20 | 7.20 | 7.00 | 6.90 | 7.00 | 4.60 | 2.40 | 5.00 | |
| 12 | 2.80 | 3.30 | 4.80 | 2.60 | 7.60 | 7.30 | 4.10 | 6.90 | 5.70 | 4.50 | 2.60 | 2.10 | |
| 13 | 2.20 | 2.80 | 3.70 | 3.30 | 8.20 | 7.30 | 5.20 | 7.30 | 6.10 | 4.30 | 2.80 | 2.80 | |
| 14 | 2.80 | 4.00 | 4.20 | 5.10 | 6.80 | 7.40 | 6.10 | 7.80 | 6.60 | 4.50 | 2.60 | 2.90 | |
| 15 | 2.10 | 3.20 | 4.70 | 5.30 | 6.30 | 9.00 | 7.80 | 7.60 | 6.20 | 4.30 | 2.40 | 2.10 | |
| 16 | 2.30 | 2.50 | 3.70 | 4.80 | 6.10 | 8.80 | 5.10 | 6.70 | 6.00 | 6.50 | 2.40 | 2.20 | |
| 17 | 1.90 | 2.60 | 4.10 | 4.80 | 6.00 | 7.80 | 8.50 | 7.20 | 6.00 | 6.30 | 3.10 | 2.20 | |
| 18 | 2.60 | 2.10 | 3.70 | 5.00 | 6.90 | 7.50 | 6.90 | 6.90 | 6.40 | 3.60 | 2.20 | 1.90 | |
| 19 | 2.00 | 2.90 | 3.90 | 5.70 | 6.80 | 7.80 | 8.10 | 5.90 | 6.50 | 4.10 | 2.20 | 3.60 | |
| 20 | 3.50 | 3.30 | 5.40 | 7.10 | 6.80 | 7.70 | 8.10 | 6.70 | 5.20 | 4.10 | 2.10 | 3.40 | |
| 21 | 3.50 | 3.10 | 4.30 | 5.90 | 7.60 | 9.70 | 7.70 | 6.90 | 3.00 | 3.50 | 3.60 | 2.80 | |
| 22 | 2.20 | 4.40 | 4.30 | 6.20 | 6.10 | 8.20 | 8.40 | 7.30 | 3.10 | 4.00 | 4.10 | 4.10 | |
| 23 | 2.30 | 3.10 | 5.20 | 4.50 | 6.00 | 7.80 | 9.90 | 5.50 | 3.90 | 3.70 | 2.30 | 3.10 | |
| 24 | 2.00 | 2.90 | 4.70 | 4.10 | 6.00 | 8.30 | 10.00 | 6.30 | 4.70 | 3.40 | 2.80 | 2.40 | |
| 25 | 2.50 | 4.70 | 4.30 | 4.40 | 6.00 | 9.30 | 9.20 | 6.60 | 4.80 | 3.70 | 2.20 | 2.10 | |
| 26 | 2.80 | 3.40 | 4.90 | 6.10 | 7.30 | 9.50 | 8.60 | 7.50 | 5.10 | 3.80 | 2.10 | 2.50 | |
| 27 | 2.00 | 3.10 | 5.00 | 7.70 | 6.90 | 8.50 | 5.60 | 7.70 | 6.00 | 3.30 | 2.10 | 2.10 | |
| 28 | 3.30 | 3.50 | 4.90 | 8.10 | 8.70 | 10.50 | 5.40 | 6.00 | 5.90 | 3.70 | 1.80 | 1.70 | |
| 29 | 2.20 | | 5.10 | 4.80 | 10.50 | 10.90 | 5.60 | 5.50 | 5.40 | 6.10 | 1.70 | 1.80 | |
| 30 | 2.10 | | 8.40 | 2.80 | 10.20 | 11.60 | 8.60 | 7.00 | 4.60 | 3.70 | 1.90 | 1.70 | |
| 31 | 2.90 | | 6.50 | | 9.60 | | 9.00 | 8.30 | | 3.20 | | 3.00 | |
| TOTAL | 77.80 | 81.50 | 140.60 | 144.90 | 217.20 | 247.50 | 241.10 | 222.50 | 176.10 | 144.60 | 75.50 | 81.60 | 1850.90 |

Page 3 of 5 SITE-SPECIFIC REFERENCE ET FOR BLYTHE NE CIMIS SITE USING THE STANDARD EQUATION (millimeters/day)

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| 1 | 3.90 | 2.80 | 4.10 | 3.40 | 5.20 | 7.30 | 9.50 | 8.00 | 6.90 | 5.30 | 3.10 | 2.80 | |
| 2 | 2.70 | 2.90 | 4.40 | 4.30 | 8.00 | 7.70 | 9.50 | 7.50 | 6.90 | 5.30 | 3.40 | 2.50 | |
| 3 | 3.60 | 2.80 | 5.20 | 4.80 | 6.20 | 7.40 | 9.20 | 7.60 | 6.10 | 4.90 | 3.40 | 4.40 | |
| 4 | 2.60 | 1.60 | 3.90 | 4.20 | 6.40 | 7.20 | 9.00 | 8.00 | 6.90 | 5.00 | 3.30 | 2.80 | |
| 5 | 2.40 | 1.40 | 3.50 | 4.60 | 6.70 | 6.60 | 8.20 | 8.30 | 7.60 | 5.30 | 3.60 | 2.40 | |
| 6 | 2.60 | 1.70 | 4.70 | 5.20 | 7.30 | 8.10 | 8.50 | 8.00 | 6.40 | 5.60 | 2.90 | 1.90 | |
| 7 | 2.10 | 2.00 | 4.20 | 4.90 | 7.90 | 9.30 | 4.90 | 7.90 | 6.60 | 6.00 | 2.70 | 2.70 | |
| 8 | 3.80 | 2.10 | 3.60 | 5.00 | 9.80 | 8.60 | 4.10 | 7.80 | 6.30 | 4.70 | 2.40 | 3.80 | |
| 9 | 2.80 | 3.30 | 4.70 | 5.50 | 7.80 | 7.90 | 7.20 | 7.70 | 4.10 | 5.40 | 2.60 | 1.70 | |
| 10 | 2.10 | 4.80 | 3.90 | 4.90 | 6.40 | 7.40 | 8.50 | 7.80 | 6.50 | 5.20 | 2.70 | 2.70 | |
| 11 | 2.00 | 3.70 | 4.70 | 5.60 | 6.80 | 7.40 | 7.10 | 6.90 | 6.10 | 5.00 | 2.90 | 4.30 | |
| 12 | 2.50 | 4.10 | 5.70 | 3.20 | 8.30 | 7.60 | 5.20 | 7.20 | 6.60 | 5.60 | 3.10 | 2.30 | |
| 13 | 2.60 | 3.70 | 4.40 | 4.10 | 9.70 | 7.50 | 4.80 | 7.60 | 6.90 | 4.60 | 3.50 | 2.40 | |
| 14 | 3.20 | 3.00 | 5.00 | 6.00 | 8.40 | 8.10 | 7.30 | 7.20 | 6.50 | 4.70 | 3.10 | 3.30 | |
| 15 | 2.40 | 3.30 | 5.30 | 7.10 | 6.90 | 9.00 | 8.00 | 7.70 | 7.00 | 4.30 | 2.80 | 2.20 | |
| 16 | 2.30 | 2.20 | 4.20 | 6.10 | 7.10 | 8.50 | 8.00 | 6.80 | 7.70 | 8.40 | 2.50 | 2.30 | |
| 17 | 2.30 | 2.40 | 4.00 | 6.20 | 6.80 | 8.50 | 8.40 | 8.40 | 6.60 | 7.40 | 2.80 | 2.40 | |
| 18 | 2.50 | 2.50 | 4.10 | 6.40 | 7.70 | 7.90 | 6.90 | 6.60 | 6.30 | 4.40 | 2.30 | 2.00 | |
| 19 | 2.00 | 3.60 | 4.60 | 7.00 | 8.40 | 7.90 | 8.00 | 5.90 | 6.10 | 5.20 | 2.40 | 4.30 | |
| 20 | 2.80 | 3.90 | 6.30 | 6.80 | 7.90 | 8.10 | 8.20 | 7.00 | 6.00 | 5.30 | 2.30 | 3.70 | |
| 21 | 4.20 | 3.60 | 4.40 | 7.90 | 8.30 | 9.20 | 8.10 | 7.60 | 3.40 | 4.90 | 3.80 | 3.50 | |
| 22 | 2.70 | 5.20 | 4.40 | 7.60 | 7.00 | 8.10 | 8.10 | 7.30 | 3.30 | 4.40 | 4.50 | 4.40 | |
| 23 | 2.80 | 4.30 | 5.00 | 5.70 | 6.50 | 9.30 | 8.30 | 6.30 | 3.60 | 4.40 | 2.60 | 3.60 | |
| 24 | 2.30 | 3.50 | 4.50 | 4.90 | 5.70 | 11.00 | 8.10 | 6.90 | 5.10 | 3.90 | 3.10 | 3.40 | |
| 25 | 2.70 | 4.40 | 3.90 | 5.60 | 7.10 | 9.60 | 8.00 | 7.20 | 4.90 | 4.40 | 2.60 | 2.50 | |
| 26 | 3.00 | 3.50 | 5.10 | 7.50 | 8.00 | 9.50 | 8.30 | 7.50 | 5.20 | 3.80 | 2.40 | 2.90 | |
| 27 | 2.10 | 3.40 | 5.20 | 8.20 | 8.40 | 8.50 | 4.50 | 7.70 | 5.90 | 3.60 | 2.30 | 2.50 | |
| 28 | 3.20 | 4.00 | 5.00 | 7.70 | 8.90 | 8.70 | 4.10 | 6.50 | 7.50 | 3.60 | 2.80 | 2.00 | |
| 29 | 2.50 | | 5.40 | 5.00 | 10.30 | 8.80 | 5.40 | 5.50 | 6.20 | 6.00 | 2.10 | 2.00 | |
| 30 | 2.80 | | 8.70 | 2.90 | 9.50 | 8.90 | 7.30 | 6.40 | 5.90 | 4.30 | 2.10 | 2.10 | |
| 31 | 3.30 | | 6.70 | | 9.00 | | 7.90 | 6.70 | | 4.40 | | 2.40 | |
| TOTAL | 84.80 | 89.70 | 148.80 | 168.30 | 238.40 | 249.60 | 228.60 | 225.50 | 181.10 | 155.30 | 86.10 | 88.20 | 1944.40 |

Page 4 of 5 SITE-SPECIFIC REFERENCE ET FOR THE RIPLEY CIMIS SITE USING THE STANDARD EQUATION (millimeters/day)

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| 1 | 2.50 | 2.70 | 4.60 | 3.10 | 4.90 | 5.60 | 10.00 | 8.80 | 8.60 | 5.30 | 2.90 | 2.30 | |
| 2 | 3.00 | 2.80 | 4.10 | 4.40 | 8.20 | 7.70 | 10.10 | 7.00 | 8.00 | 6.50 | 3.40 | 2.30 | |
| 3 | 2.40 | 2.60 | 5.00 | 4.60 | 6.30 | 7.80 | 10.00 | 8.40 | 7.10 | 5.10 | 3.10 | 4.10 | |
| 4 | 2.10 | 1.50 | 3.90 | 3.90 | 6.30 | 7.00 | 9.00 | 9.40 | 6.20 | 5.20 | 3.10 | 2.60 | |
| 5 | 2.20 | 1.40 | 3.30 | 4.10 | 6.80 | 6.30 | 7.90 | 10.20 | 6.70 | 5.20 | 3.00 | 1.80 | |
| 6 | 1.90 | 1.90 | 4.20 | 4.60 | 6.50 | 8.10 | 8.80 | 9.80 | 6.80 | 6.30 | 2.80 | 1.80 | |
| 7 | 3.80 | 2.10 | 3.60 | 4.20 | 6.90 | 9.60 | 4.60 | 9.20 | 6.80 | 4.80 | 2.70 | 2.40 | |
| 8 | 2.60 | 2.30 | 3.20 | 4.30 | 8.40 | 8.90 | 3.80 | 8.30 | 7.60 | 4.90 | 2.60 | 3.60 | |
| 9 | 1.90 | 3.20 | 3.90 | 4.50 | 7.00 | 7.50 | 6.80 | 8.60 | 5.20 | 4.90 | 2.60 | 1.40 | |
| 10 | 1.80 | 3.50 | 3.70 | 4.50 | 6.20 | 7.30 | 8.00 | 9.50 | 6.80 | 5.30 | 2.60 | 2.00 | |
| 11 | 2.30 | 3.10 | 3.90 | 4.60 | 6.20 | 7.20 | 6.70 | 7.90 | 7.70 | 4.90 | 2.90 | 4.50 | |
| 12 | 2.40 | 3.60 | 4.20 | 2.90 | 7.40 | 7.20 | 4.50 | 6.90 | 6.90 | 5.30 | 3.50 | 1.90 | |
| 13 | 2.80 | 3.50 | 3.70 | 4.10 | 8.00 | 7.00 | 5.00 | 8.20 | 7.10 | 5.00 | 2.90 | 2.10 | |
| 14 | 2.10 | 3.30 | 4.00 | 5.30 | 6.70 | 7.30 | 6.80 | 8.20 | 7.60 | 5.00 | 3.10 | 2.40 | |
| 15 | 2.10 | 3.30 | 4.40 | 5.60 | 6.60 | 7.60 | 7.90 | 8.00 | 7.00 | 6.00 | 2.80 | 2.10 | |
| 16 | 2.20 | 2.40 | 3.80 | 5.60 | 6.20 | 7.30 | 6.40 | 6.70 | 7.60 | 7.50 | 2.60 | 1.90 | |
| 17 | 2.30 | 2.70 | 4.10 | 5.50 | 6.30 | 7.10 | 8.70 | 7.40 | 6.40 | 7.10 | 3.10 | 2.10 | |
| 18 | 2.00 | 2.30 | 4.00 | 5.60 | 6.40 | 7.00 | 7.40 | 6.10 | 7.00 | 4.20 | 2.40 | 1.80 | |
| 19 | 2.70 | 3.20 | 4.50 | 6.00 | 6.60 | 7.20 | 8.20 | 6.60 | 7.20 | 4.90 | 2.50 | 3.40 | |
| 20 | 3.40 | 3.60 | 6.10 | 6.40 | 6.50 | 7.10 | 8.10 | 6.80 | 5.90 | 5.20 | 2.30 | 3.10 | |
| 21 | 3.40 | 2.90 | 4.50 | 6.20 | 6.60 | 7.90 | 8.10 | 6.80 | 3.80 | 4.40 | 2.80 | 2.60 | |
| 22 | 2.50 | 4.60 | 4.40 | 5.70 | 5.60 | 7.00 | 8.00 | 7.40 | 3.70 | 4.00 | 4.10 | 3.20 | |
| 23 | 2.30 | 3.40 | 5.00 | 4.80 | 5.70 | 7.20 | 9.00 | 5.20 | 3.90 | 4.10 | 2.60 | 3.00 | |
| 24 | 2.00 | 3.20 | 4.40 | 4.10 | 6.20 | 8.20 | 8.60 | 6.60 | 5.10 | 3.70 | 2.80 | 2.70 | |
| 25 | 2.50 | 4.60 | 3.70 | 4.80 | 6.00 | 8.10 | 8.10 | 7.20 | 5.30 | 3.80 | 2.00 | 2.10 | |
| 26 | 3.00 | 3.60 | 4.50 | 5.90 | 6.50 | 8.20 | 7.70 | 7.40 | 5.80 | 3.70 | 2.30 | 2.30 | |
| 27 | 2.10 | 3.40 | 4.50 | 6.10 | 6.50 | 8.00 | 4.80 | 8.30 | 6.60 | 3.50 | 2.00 | 2.20 | |
| 28 | 3.60 | 3.50 | 4.60 | 6.50 | 7.10 | 7.80 | 4.80 | 6.10 | 6.90 | 3.70 | 2.30 | 1.60 | |
| 29 | 2.40 | | 4.80 | 4.30 | 7.80 | 7.70 | 4.90 | 5.70 | 6.00 | 6.10 | 1.90 | 1.70 | |
| 30 | 2.40 | | 6.90 | 3.10 | 7.20 | 8.90 | 7.40 | 7.50 | 5.30 | 4.00 | 1.80 | 1.80 | |
| 31 | 3.00 | | 5.70 | | 7.30 | | 7.70 | 8.20 | | 3.70 | | 2.00 | |
| TOTAL | 77.70 | 84.20 | 135.20 | 145.30 | 206.90 | 226.80 | 227.80 | 238.40 | 192.60 | 153.30 | 81.50 | 74.80 | 1844.50 |

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
|-------|-------|-------|--------|--------|--------|--------|--------|-------------|-------------|--------|-------|-------|---------|
| 1 | 5.00 | 3.70 | 4.80 | 3.80 | 5.40 | 8.20 | 10.70 | 8.90 | 7.30 | 5.70 | 2.90 | 4.10 | |
| 2 | 3.70 | 3.70 | 5.00 | 5.30 | 9.10 | 8.60 | 10.70 | 7.90 | 8.20 | 5.90 | 3.50 | 2.90 | |
| 3 | 3.70 | 2.50 | 6.00 | 5.30 | 6.90 | 8.50 | 11.00 | 8.00 | 6.70 | 4.80 | 4.00 | 5.40 | |
| 4 | 1.90 | 1.70 | 4.40 | 4.20 | 6.90 | 8.50 | 9.70 | 8.90 | 6.50 | 5.30 | 3.50 | 2.80 | |
| 5 | 2.20 | 1.40 | 4.20 | 5.20 | 8.00 | 7.60 | 9.10 | 8.90 | 7.50 | 5.30 | 3.30 | 2.30 | |
| 6 | 2.10 | 1.70 | 4.90 | 5.60 | 7.20 | 9.30 | 9.70 | 8.60 | 6.30 | 8.10 | 3.10 | 2.70 | |
| 7 | 2.10 | 2.00 | 4.40 | 5.60 | 8.80 | 11.40 | 5.10 | 8.20 | 6.50 | 8.80 | 3.40 | 3.20 | |
| 8 | 4.40 | 2.20 | 4.10 | 5.70 | 11.00 | 10.80 | 3.50 | 8.40 | 7.00 | 5.00 | 2.60 | 5.00 | |
| 9 | 2.70 | 3.50 | 5.00 | 6.50 | 9.60 | 10.20 | 6.70 | 7.90 | 5.20 | 5.50 | 3.80 | 1.80 | |
| 10 | 1.90 | 5.00 | 4.50 | 5.30 | 7.50 | 9.10 | 8.30 | 8.10 | 6.70 | 5.90 | 3.00 | 2.30 | |
| 11 | 2.30 | 3.40 | 5.00 | 5.80 | 8.30 | 7.90 | 8.40 | 7.70 | 7.20 | 5.50 | 3.40 | 5.80 | |
| 12 | 2.10 | 3.70 | 6.80 | 4.00 | 9.60 | 8.60 | 7.00 | 6.80 | 7.00 | 5.60 | 4.30 | 2.10 | |
| 13 | 2.40 | 3.50 | 4.10 | 4.10 | 10.40 | 8.50 | 5.00 | 7.90 | 6.90 | 4.90 | 4.10 | 2.60 | |
| 14 | 2.80 | 4.00 | 4.90 | 6.90 | 9.10 | 9.20 | 6.50 | 7.80 | 7.50 | 5.70 | 2.90 | 3.60 | |
| 15 | 2.20 | 4.30 | 5.90 | 7.50 | 8.30 | 9.50 | 7.90 | 7.80 | 7.80 | 4.60 | 3.10 | 2.40 | |
| 16 | 2.40 | 2.60 | 4.70 | 6.30 | 8.20 | 9.60 | 8.70 | 7.00 | 8.00 | 9.00 | 3.20 | 2.00 | |
| 17 | 2.10 | 3.20 | 4.30 | 6.60 | 7.20 | 10.00 | 8.90 | 7.40 | 6.50 | 7.60 | 3.80 | 2.00 | |
| 18 | 2.30 | 2.80 | 4.30 | 6.80 | 8.40 | 9.20 | 7.40 | 6.90 | 5.90 | 4.00 | 3.00 | 1.80 | |
| 19 | 2.20 | 4.30 | 4.60 | 7.60 | 9.10 | 8.90 | 8.30 | 4.90 | 6.50 | 4.10 | 2.40 | 5.10 | |
| 20 | 4.10 | 3.80 | 6.70 | 8.30 | 9.10 | 9.80 | 8.70 | 6.90 | 6.10 | 4.60 | 2.40 | 4.30 | |
| 21 | 4.70 | 3.70 | 5.70 | 9.30 | 8.60 | 11.00 | 8.80 | 6.70 | 4.80 | 4.00 | 5.60 | 3.30 | |
| 22 | 3.00 | 6.10 | 5.20 | 9.40 | 7.90 | 9.10 | 8.40 | 7.50 | 4.50 | 4.40 | 5.50 | 4.20 | |
| 23 | 2.60 | 3.30 | 5.50 | 5.90 | 6.70 | 9.80 | 9.10 | 5.80 | 3.80 | 4.60 | 2.80 | 2.50 | |
| 24 | 2.00 | 3.50 | 5.20 | 5.10 | 6.60 | 10.30 | 9.40 | 7.30 | 5.10 | 4.00 | 3.30 | 2.30 | |
| 25 | 2.50 | 4.70 | 4.40 | 5.80 | 7.30 | 10.70 | 8.90 | 7.30 | 5.20 | 4.10 | 2.40 | 2.10 | |
| 26 | 3.00 | 5.40 | 5.90 | 8.00 | 8.40 | 10.20 | 8.00 | 7.40 | 6.00 | 3.70 | 2.10 | 2.30 | |
| 27 | 2.20 | 3.40 | 5.70 | 10.10 | 9.80 | 9.40 | 5.30 | 7.30 | 6.50 | 4.10 | 2.20 | 1.80 | |
| 28 | 4.50 | 3.80 | 5.50 | 8.50 | 9.80 | 9.40 | 4.60 | 7.40 | 7.60 | 4.40 | 2.90 | 2.10 | |
| 29 | 2.60 | | 5.80 | 4.10 | 11.90 | 9.60 | 5.20 | 7.40 | 5.60 | 7.60 | 2.40 | 1.60 | |
| 30 | 2.50 | | 9.60 | 3.70 | 10.20 | 10.10 | 7.40 | 7.30 | 5.20 | 4.20 | 2.20 | 1.90 | |
| 31 | 3.90 | | 7.20 | | 10.20 | | 8.60 | 7.30 | | 4.20 | | 2.40 | |
| TOTAL | 88.10 | 96.90 | 164.30 | 186.30 | 265.50 | 283.00 | 245.00 | 233.60 | 191.60 | 165.20 | 97.10 | 90.70 | 2107.30 |

Missing values estimated from Mohave AZMET data
 Missing value, estimated using previous & following days

PARKER/PALO VERDE VALLEYS AVERAGE PRECIPITATION SHEET

| | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|--------------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| Annual Total | 2.92 | 2.58 | 2.4 | 2.54 | 3.44 | 0 | 3.2 |

1999 - PARKER/PALO VERDE VALLEYS AVERAGE PRECIPITATION (inches)

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 1/ 1 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/ 2 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/ 3 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/ 4 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/ 5 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/ 6 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/ 7 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/ 8 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/11 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/12 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/13 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/15 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/16 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/17 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 1/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/19 | 0 | 0 | 0 | 0.000A | 0 | 0 | 0 |
| 1/20 | 0 | 0 | 0 | 0.000A | 0 | 0 | 0 |
| 1/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/25 | 0.0197 | 0.0201 | 0 | 0.0080 | 0.0500 | 0 | 0.0400 |
| 1/26 | 0.0050 | 0 | 0 | 0 | 0 | 0.0300 | 0 |
| 1/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 2/ 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/ 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/ 4 | 0.1632 | 0.2500 | 0.2760 | 0.3430 | 0 | 0 | 0.1100 |
| 2/ 5 | 0.2055 | 0.0098 | 0.0390 | 0.0040 | 0.5000 | 0.4000 | 0.2800 |
| 2/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/23 | 0.1050 | 0 | 0.6300 | 0 | 0 | 0 | 0 |
| 2/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Page 3 of 12 1999 - PARKER/PALO VERDE VALLEYS AVERAGE PRECIPITATION (inches)

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 3/ 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/ 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/ 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/ 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 4/ 1 | 0.1075 | 0.0500 | 0.3150 | 0.2800 | 0 | 0 | 0 |
| 4/ 2 | 0.2060 | 0.0701 | 0.1570 | 0.1690 | 0.4500 | 0.0600 | 0.3300 |
| 4/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/ 4 | 0.0033 | 0 | 0 | 0 | 0 | 0.0200 | 0 |
| 4/ 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/11 | 0.1250 | 0 | 0 | 0 | 0 | 0 | 0.7500 |
| 4/12 | 0.2338 | 0.4701 | 0.3150 | 0.6180 | 0 | 0 | 0 |
| 4/13 | 0.2153 | 0.1098 | 0.0390 | 0.0430 | 0.6000 | 0.5000 | 0 |
| 4/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/16 | 0.0098 | 0 | 0 | 0.0590 | 0 | 0 | 0 |
| 4/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/23 | 0.0050 | 0 | 0 | 0 | 0.0300 | 0 | 0 |
| 4/24 | 0.0217 | 0.0701 | 0 | 0 | 0 | 0.0600 | 0 |
| 4/25 | 0.0033 | 0 | 0 | 0 | 0 | 0.0200 | 0 |
| 4/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4/30 | 0.0020 | 0 | 0 | 0.0120 | 0 | 0 | 0 |

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 5/ 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/ 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/ 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/ 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/10 | 0.0078 | 0 | 0 | 0.0390 | 0 | 0 | 0 |
| 5/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 6/ 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 2 | 0.0140 | 0 | 0 | 0 | 0 | 0.0700 | 0 |
| 6/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 8 | 0.0048 | 0 | 0 | 0.0240 | 0 | 0 | 0 |
| 6/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/24 | 0 | 0 | 0 | 0.000E | 0 | 0 | 0 |
| 6/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Page 7 of 12 1999 - PARKER/PALO VERDE VALLEYS AVERAGE PRECIPITATION (inches)

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 7/1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/7 | 0.0950 | 0.5299 | 0.039F | 0.000A | 0 | 0 | 0.0400 |
| 7/8 | 0.0350 | 0 | 0 | 0.000F | 0.2100 | 0 | 0 |
| 7/9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/12 | 0.0967 | 0 | 0 | 0 | 0 | 0.1000 | 0.4800 |
| 7/13 | 0.1867 | 0.1402 | 0 | 0 | 0.0100 | 0.7900 | 0.1800 |
| 7/14 | 0.0090 | 0.0299 | 0 | 0.0040 | 0 | 0.0200 | 0 |
| 7/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/16 | 0.0065 | 0 | 0.0390 | 0.000E | 0 | 0 | 0 |
| 7/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/28 | 0.0562 | 0 | 0.0390 | 0.0980 | 0.1000 | 0 | 0.1000 |
| 7/29 | 0.0728 | 0 | 0.0390 | 0.2480 | 0.1500 | 0 | 0 |
| 7/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 8/ 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/ 2 | 0.0065 | 0 | 0.0390 | 0 | 0 | 0 | 0 |
| 8/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/ 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/ 5 | 0.0132 | 0 | 0.0790 | 0 | 0 | 0 | 0 |
| 8/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/19 | 0.0027 | 0 | 0 | 0.0160 | 0 | 0 | 0 |
| 8/20 | 0.0083 | 0 | 0 | 0 | 0 | 0.0500 | 0 |
| 8/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/27 | 0.1037 | 0 | 0 | 0.0120 | 0.0300 | 0 | 0.5800 |
| 8/28 | 0.0310 | 0 | 0 | 0.0160 | 0 | 0 | 0.1700 |
| 8/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 9/ 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/ 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/ 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/ 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/10 | 0.0238 | 0 | 0 | 0.0430 | 0 | 0 | 0.1000 |
| 9/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/16 | 0.2567 | 0.7201 | 0.0790 | 0.3110 | 0.2000 | 0.2300 | 0 |
| 9/17 | 0.0033 | 0.0201 | 0 | 0 | 0 | 0 | 0 |
| 9/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/20 | 0.0498 | 0 | 0.0390 | 0 | 0.2600 | 0 | 0 |
| 9/21 | 0.0033 | 0 | 0 | 0 | 0.0200 | 0 | 0 |
| 9/22 | 0.0295 | 0.0051 | 0.0790 | 0.0430 | 0.0100 | 0.0400 | 0 |
| 9/23 | 0.3761 | 0.0839 | 0.1970 | 0.1460 | 0.7500 | 1.0400 | 0.0400 |
| 9/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|-------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 10/ 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/ 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/ 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/ 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/ 7 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 10/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/15 | 0 | 0 | 0 | 0.000A | 0 | 0 | 0 |
| 10/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/21 | 0 | 0 | 0 | 0.000F | 0 | 0 | 0 |
| 10/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Page 11 of 12 1999 - PARKER/PALO VERDE VALLEYS AVERAGE PRECIPITATION (inches)

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|-------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 11/ 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/ 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/ 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/ 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Page 12 of 12 1999 - PARKER/PALO VERDE VALLEYS AVERAGE PRECIPITATION (inches)

| Date | Average Daily Precip. | Parker AZMET | Palo Verde CIMIS | Ripley CIMIS | Ehrenberg 2E NWS | Parker 6E NWS* * - Not in service 5/1 - 6/30 | Blythe 5-Riverside Co. Fire Dept #43 NWS |
|---------------|-----------------------|--------------|------------------|--------------|------------------|---|---|
| 12/ 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/ 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/ 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/ 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/ 9 | 0 | 0 | 0.000A | 0 | 0 | 0 | 0 |
| 12/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totals | 2.92 | 2.58 | 2.40 | 2.54 | 3.44 | 3.36* | 3.20 |

* - Not in service 5/1 - 6/30

Note: Precipitation recorded by the Blythe NE CIMIS weather station was not used in this averaging because CIMIS Representatives reported that precipitation at this station should not be considered reliable until after the precipitation gage was replaced in October of 1999. No rainfall was recorded at the Blythe NE CIMIS station from October thru December of 1999.

Codes: In Precip Col.
 H: for Precipitation Hourly data missing or flagged.
 I: ppt when ETo =NA Ignore, data has no meaning
 A: In ppt Data not available, an average was used.
 F: In ppt Data out of range, > 2 standard deviations greater than the average for that day.

Yuma Area

ET-Rate Table

Sheet A

1999 ET SUMMARY SHEET

ET calculations for Yuma Area - Average of 3 Local AZMET Stations (Sheet has final ET numbers for each crop, units: inches)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Reference ET, inches | 3.38 | 3.80 | 5.40 | 6.56 | 8.73 | 9.61 | 9.50 | 8.88 | 7.43 | 6.21 | 3.60 | 3.59 | 76.67 |
| Precipitation | 0.00 | 0.54 | 0.00 | 1.11 | 0.00 | 0.02 | 0.51 | 0.15 | 0.20 | 0.00 | 0.00 | 0.00 | 2.53 |
| Monthly ET values, inches | | | | | | | | | | | | | |
| Crop/Phreatophyte | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| Alfalfa- perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa- annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa- seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce- early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce- late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons- spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons- fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus- young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus- mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus- declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

ET calculations for Sheet B
 Yuma Area - Average of 3 Local AZMET Stations 1999 PRECIPITATION
 (This sheet calculates the total monthly precipitation from averaged daily values obtained from 3 area AZMET and 3 area NWS Weather Stations.)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Precipitation, inches (from data file yumarain.wk4) | 0.00 | 0.54 | 0.00 | 1.11 | 0.00 | 0.02 | 0.51 | 0.15 | 0.20 | 0.00 | 0.00 | 0.00 | 2.53 |
| Date | | | | | | | | | | | | | |
| 1 | 0 | 0 | 0 | 0.320 | 0 | 0.005 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 0 | 0 | 0 | 0.610 | 0 | 0.020 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4 | 0 | 0.388 | 0 | 0.018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5 | 0 | 0.148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 6 | 0 | 0.004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0.006 | 0 | 0 | 0 | 0 | 0 | |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 12 | 0 | 0 | 0 | 0.098 | 0 | 0 | 0.143 | 0 | 0 | 0 | 0 | 0 | |
| 13 | 0 | 0 | 0 | 0.034 | 0 | 0 | 0.027 | 0 | 0 | 0 | 0 | 0 | |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0.002 | 0 | 0 | 0 | 0 | 0 | |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.023 | 0 | 0 | 0 | |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.005 | 0 | 0 | 0 | 0 | |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.008 | 0.015 | 0 | 0 | 0 | |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.002 | 0 | 0 | 0 | |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.025 | 0 | 0 | 0 | |
| 23 | 0 | 0 | 0 | 0.018 | 0 | 0 | 0 | 0 | 0.133 | 0 | 0 | 0 | |
| 24 | 0 | 0.002 | 0 | 0.008 | 0 | 0 | 0 | 0 | 0.002 | 0 | 0 | 0 | |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.042 | 0 | 0 | 0 | 0 | |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0.005 | 0.058 | 0 | 0 | 0 | 0 | |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0.232 | 0.012 | 0 | 0 | 0 | 0 | |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0.095 | 0.008 | 0 | 0 | 0 | 0 | |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.015 | 0 | 0 | 0 | 0 | |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

* - Estimated value

ET calculations for Sheet D
 Yuma Area - Average of 3 Local AZMET Stations 1999 REFERENCE ET
 (Sheet to store reference ET numbers (99yumaareaETo.wk4). Average reference ET [using the standard equation] from 3 Yuma Area AZMET Weather Stations)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|-----------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Reference ET (inches) | 3.38 | 3.80 | 5.40 | 6.56 | 8.73 | 9.61 | 9.50 | 8.88 | 7.43 | 6.21 | 3.60 | 3.59 | 76.67 |
| Date | | | | | | | | | | | | | |
| 1 | 0.12 | 0.13 | 0.17 | 0.12 | 0.20 | 0.21 | 0.37 | 0.32 | 0.33 | 0.19 | 0.14 | 0.10 | |
| 2 | 0.12 | 0.14 | 0.18 | 0.16 | 0.26 | 0.29 | 0.37 | 0.28 | 0.30 | 0.21 | 0.15 | 0.12 | |
| 3 | 0.15 | 0.11 | 0.21 | 0.17 | 0.25 | 0.31 | 0.37 | 0.29 | 0.23 | 0.18 | 0.16 | 0.16 | |
| 4 | 0.11 | 0.06 | 0.17 | 0.18 | 0.25 | 0.29 | 0.31 | 0.29 | 0.24 | 0.20 | 0.14 | 0.13 | |
| 5 | 0.10 | 0.06 | 0.14 | 0.17 | 0.26 | 0.24 | 0.30 | 0.32 | 0.23 | 0.23 | 0.10 | 0.10 | |
| 6 | 0.10 | 0.07 | 0.16 | 0.19 | 0.27 | 0.29 | 0.35 | 0.32 | 0.24 | 0.29 | 0.11 | 0.10 | |
| 7 | 0.09 | 0.09 | 0.15 | 0.17 | 0.28 | 0.32 | 0.22 | 0.31 | 0.26 | 0.25 | 0.10 | 0.08 | |
| 8 | 0.14 | 0.09 | 0.13 | 0.18 | 0.31 | 0.35 | 0.24 | 0.29 | 0.26 | 0.23 | 0.12 | 0.14 | |
| 9 | 0.16 | 0.11 | 0.15 | 0.22 | 0.27 | 0.31 | 0.29 | 0.33 | 0.18 | 0.21 | 0.11 | 0.08 | |
| 10 | 0.12 | 0.18 | 0.14 | 0.19 | 0.25 | 0.29 | 0.31 | 0.34 | 0.24 | 0.21 | 0.11 | 0.08 | |
| 11 | 0.08 | 0.16 | 0.19 | 0.22 | 0.25 | 0.29 | 0.32 | 0.28 | 0.25 | 0.19 | 0.12 | 0.18 | |
| 12 | 0.09 | 0.21 | 0.19 | 0.11 | 0.28 | 0.29 | 0.23 | 0.27 | 0.22 | 0.22 | 0.15 | 0.09 | |
| 13 | 0.11 | 0.16 | 0.15 | 0.18 | 0.32 | 0.30 | 0.27 | 0.30 | 0.23 | 0.20 | 0.14 | 0.08 | |
| 14 | 0.15 | 0.12 | 0.16 | 0.24 | 0.28 | 0.34 | 0.30 | 0.31 | 0.26 | 0.18 | 0.13 | 0.13 | |
| 15 | 0.10 | 0.16 | 0.20 | 0.31 | 0.29 | 0.37 | 0.32 | 0.30 | 0.28 | 0.16 | 0.13 | 0.12 | |
| 16 | 0.09 | 0.11 | 0.18 | 0.26 | 0.28 | 0.34 | 0.32 | 0.25 | 0.29 | 0.24 | 0.11 | 0.10 | |
| 17 | 0.08 | 0.12 | 0.15 | 0.25 | 0.27 | 0.34 | 0.33 | 0.30 | 0.29 | 0.31 | 0.15 | 0.11 | |
| 18 | 0.08 | 0.10 | 0.15 | 0.25 | 0.31 | 0.32 | 0.31 | 0.30 | 0.28 | 0.21 | 0.10 | 0.11 | |
| 19 | 0.08 | 0.13 | 0.17 | 0.27 | 0.34 | 0.30 | 0.31 | 0.22 | 0.29 | 0.19 | 0.10 | 0.15 | |
| 20 | 0.12 | 0.19 | 0.22 | 0.35 | 0.28 | 0.32 | 0.39 | 0.27 | 0.23 | 0.23 | 0.11 | 0.14 | |
| 21 | 0.16 | 0.15 | 0.20 | 0.30 | 0.30 | 0.40 | 0.34 | 0.27 | 0.10 | 0.19 | 0.11 | 0.11 | |
| 22 | 0.12 | 0.22 | 0.17 | 0.29 | 0.26 | 0.34 | 0.31 | 0.29 | 0.21 | 0.17 | 0.16 | 0.18 | |
| 23 | 0.09 | 0.17 | 0.20 | 0.22 | 0.24 | 0.33 | 0.35 | 0.24 | 0.15 | 0.16 | 0.11 | 0.17 | |
| 24 | 0.09 | 0.14 | 0.17 | 0.19 | 0.26 | 0.31 | 0.34 | 0.26 | 0.19 | 0.14 | 0.12 | 0.14 | |
| 25 | 0.08 | 0.18 | 0.14 | 0.22 | 0.29 | 0.39 | 0.35 | 0.29 | 0.20 | 0.15 | 0.12 | 0.11 | |
| 26 | 0.08 | 0.15 | 0.16 | 0.24 | 0.30 | 0.35 | 0.31 | 0.30 | 0.23 | 0.15 | 0.11 | 0.12 | |
| 27 | 0.08 | 0.14 | 0.18 | 0.28 | 0.31 | 0.32 | 0.23 | 0.31 | 0.26 | 0.13 | 0.08 | 0.13 | |
| 28 | 0.15 | 0.15 | 0.17 | 0.31 | 0.32 | 0.37 | 0.20 | 0.25 | 0.35 | 0.14 | 0.09 | 0.11 | |
| 29 | 0.11 | | 0.19 | 0.19 | 0.34 | 0.33 | 0.22 | 0.21 | 0.36 | 0.23 | 0.10 | 0.07 | |
| 30 | 0.10 | | 0.23 | 0.12 | 0.29 | 0.36 | 0.29 | 0.30 | 0.23 | 0.25 | 0.10 | 0.09 | |
| 31 | 0.12 | | 0.24 | | 0.31 | | 0.34 | 0.27 | | 0.17 | | 0.09 | |

* - Estimated value

ET calculations for Sheet E: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Alfalfa-1a perennial)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Alfalfa- perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.12 | 0.08 | 0.17 | 0.11 | 0.15 | 0.22 | 0.37 | 0.33 | 0.33 | 0.15 | 0.14 | 0.08 | |
| 2 | 0.12 | 0.10 | 0.18 | 0.15 | 0.21 | 0.29 | 0.38 | 0.28 | 0.31 | 0.17 | 0.15 | 0.09 | |
| 3 | 0.16 | 0.08 | 0.21 | 0.17 | 0.20 | 0.31 | 0.37 | 0.30 | 0.24 | 0.15 | 0.16 | 0.13 | |
| 4 | 0.11 | -0.11 | 0.17 | 0.18 | 0.21 | 0.29 | 0.32 | 0.30 | 0.24 | 0.18 | 0.14 | 0.11 | |
| 5 | 0.11 | -0.02 | 0.14 | 0.17 | 0.23 | 0.25 | 0.31 | 0.33 | 0.24 | 0.21 | 0.11 | 0.09 | |
| 6 | 0.11 | 0.05 | 0.17 | 0.20 | 0.24 | 0.30 | 0.36 | 0.32 | 0.25 | 0.27 | 0.12 | 0.09 | |
| 7 | 0.09 | 0.07 | 0.16 | 0.18 | 0.26 | 0.33 | 0.22 | 0.32 | 0.27 | 0.24 | 0.10 | 0.08 | |
| 8 | 0.15 | 0.08 | 0.13 | 0.18 | 0.30 | 0.35 | 0.24 | 0.30 | 0.26 | 0.23 | 0.13 | 0.13 | |
| 9 | 0.17 | 0.10 | 0.16 | 0.23 | 0.27 | 0.31 | 0.29 | 0.33 | 0.18 | 0.21 | 0.12 | 0.08 | |
| 10 | 0.13 | 0.16 | 0.15 | 0.20 | 0.25 | 0.29 | 0.31 | 0.35 | 0.24 | 0.21 | 0.11 | 0.08 | |
| 11 | 0.08 | 0.15 | 0.19 | 0.22 | 0.26 | 0.29 | 0.33 | 0.28 | 0.26 | 0.19 | 0.12 | 0.18 | |
| 12 | 0.09 | 0.19 | 0.19 | 0.11 | 0.29 | 0.30 | 0.24 | 0.27 | 0.23 | 0.22 | 0.16 | 0.09 | |
| 13 | 0.11 | 0.16 | 0.15 | 0.18 | 0.33 | 0.31 | 0.28 | 0.30 | 0.24 | 0.20 | 0.14 | 0.08 | |
| 14 | 0.16 | 0.12 | 0.16 | 0.24 | 0.28 | 0.34 | 0.30 | 0.32 | 0.27 | 0.18 | 0.14 | 0.13 | |
| 15 | 0.03 | 0.16 | 0.21 | 0.11 | 0.10 | 0.13 | 0.11 | 0.10 | 0.10 | 0.17 | 0.04 | 0.12 | |
| 16 | 0.03 | 0.11 | 0.06 | 0.09 | 0.10 | 0.11 | 0.11 | 0.09 | 0.10 | 0.25 | 0.04 | 0.11 | |
| 17 | 0.03 | 0.12 | 0.06 | 0.09 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.31 | 0.05 | 0.11 | |
| 18 | 0.03 | 0.11 | 0.06 | 0.10 | 0.13 | 0.14 | 0.13 | 0.13 | 0.11 | 0.21 | 0.03 | 0.11 | |
| 19 | 0.03 | 0.14 | 0.08 | 0.12 | 0.16 | 0.14 | 0.15 | 0.10 | 0.12 | 0.19 | 0.03 | 0.16 | |
| 20 | 0.04 | 0.19 | 0.11 | 0.16 | 0.15 | 0.17 | 0.20 | 0.14 | 0.11 | 0.24 | 0.04 | 0.14 | |
| 21 | 0.06 | 0.15 | 0.10 | 0.14 | 0.17 | 0.23 | 0.19 | 0.15 | 0.05 | 0.20 | 0.04 | 0.12 | |
| 22 | 0.05 | 0.22 | 0.10 | 0.15 | 0.15 | 0.21 | 0.19 | 0.18 | 0.11 | 0.18 | 0.07 | 0.18 | |
| 23 | 0.04 | 0.17 | 0.12 | 0.12 | 0.16 | 0.22 | 0.23 | 0.16 | 0.08 | 0.16 | 0.05 | 0.17 | |
| 24 | 0.04 | 0.14 | 0.10 | 0.11 | 0.18 | 0.22 | 0.24 | 0.18 | 0.11 | 0.14 | 0.06 | 0.14 | |
| 25 | 0.04 | 0.18 | 0.09 | 0.13 | 0.21 | 0.29 | 0.26 | 0.22 | 0.12 | 0.15 | 0.07 | 0.11 | |
| 26 | 0.04 | 0.16 | 0.11 | 0.15 | 0.23 | 0.28 | 0.25 | 0.24 | 0.14 | 0.15 | 0.06 | 0.12 | |
| 27 | 0.04 | 0.14 | 0.13 | 0.18 | 0.25 | 0.27 | 0.19 | 0.26 | 0.17 | 0.14 | 0.05 | 0.13 | |
| 28 | 0.08 | 0.15 | 0.13 | 0.21 | 0.27 | 0.32 | 0.18 | 0.23 | 0.24 | 0.14 | 0.06 | 0.11 | |
| 29 | 0.06 | | 0.15 | 0.13 | 0.31 | 0.31 | 0.20 | 0.20 | 0.26 | 0.23 | 0.07 | 0.07 | |
| 30 | 0.06 | | 0.20 | 0.09 | 0.27 | 0.35 | 0.28 | 0.29 | 0.17 | 0.26 | 0.07 | 0.09 | |
| 31 | 0.07 | | 0.21 | | 0.30 | | 0.35 | 0.28 | | 0.17 | | 0.10 | |

(Daily Kc values)
Alfalfa- perennial

Sheet E: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 1.020 | 0.654 | 1.020 | 0.913 | 0.765 | 1.020 | 1.020 | 1.020 | 1.020 | 0.783 | 1.020 | 0.748 |
| 2 | 1.020 | 0.680 | 1.020 | 0.948 | 0.793 | 1.020 | 1.020 | 1.020 | 1.020 | 0.813 | 1.020 | 0.782 |
| 3 | 1.020 | 0.706 | 1.020 | 0.984 | 0.822 | 1.020 | 1.020 | 1.020 | 1.020 | 0.843 | 1.020 | 0.816 |
| 4 | 1.020 | 0.732 | 1.020 | 1.020 | 0.850 | 1.020 | 1.020 | 1.020 | 1.020 | 0.872 | 1.020 | 0.850 |
| 5 | 1.020 | 0.758 | 1.020 | 1.020 | 0.878 | 1.020 | 1.020 | 1.020 | 1.020 | 0.902 | 1.020 | 0.884 |
| 6 | 1.020 | 0.785 | 1.020 | 1.020 | 0.907 | 1.020 | 1.020 | 1.020 | 1.020 | 0.931 | 1.020 | 0.918 |
| 7 | 1.020 | 0.811 | 1.020 | 1.020 | 0.935 | 1.020 | 1.020 | 1.020 | 1.020 | 0.961 | 1.020 | 0.952 |
| 8 | 1.020 | 0.837 | 1.020 | 1.020 | 0.963 | 1.020 | 1.020 | 1.020 | 1.020 | 0.990 | 1.020 | 0.986 |
| 9 | 1.020 | 0.863 | 1.020 | 1.020 | 0.992 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 |
| 10 | 1.020 | 0.889 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 |
| 11 | 1.020 | 0.915 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 |
| 12 | 1.020 | 0.942 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 |
| 13 | 1.020 | 0.968 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 |
| 14 | 1.020 | 0.994 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 |
| 15 | 0.340 | 1.020 | 1.020 | 0.340 | 0.340 | 0.340 | 0.340 | 0.340 | 0.340 | 1.020 | 0.340 | 1.020 |
| 16 | 0.340 | 1.020 | 0.340 | 0.340 | 0.340 | 0.340 | 0.340 | 0.340 | 0.340 | 1.020 | 0.340 | 1.020 |
| 17 | 0.340 | 1.020 | 0.376 | 0.368 | 0.383 | 0.385 | 0.385 | 0.385 | 0.370 | 1.020 | 0.340 | 1.020 |
| 18 | 0.340 | 1.020 | 0.412 | 0.397 | 0.425 | 0.431 | 0.431 | 0.431 | 0.399 | 1.020 | 0.340 | 1.020 |
| 19 | 0.340 | 1.020 | 0.447 | 0.425 | 0.468 | 0.476 | 0.476 | 0.476 | 0.429 | 1.020 | 0.340 | 1.020 |
| 20 | 0.340 | 1.020 | 0.483 | 0.453 | 0.510 | 0.521 | 0.521 | 0.521 | 0.458 | 1.020 | 0.374 | 1.020 |
| 21 | 0.366 | 1.020 | 0.519 | 0.482 | 0.553 | 0.567 | 0.567 | 0.567 | 0.488 | 1.020 | 0.408 | 1.020 |
| 22 | 0.392 | 1.020 | 0.555 | 0.510 | 0.595 | 0.612 | 0.612 | 0.612 | 0.517 | 1.020 | 0.442 | 1.020 |
| 23 | 0.418 | 1.020 | 0.591 | 0.538 | 0.638 | 0.657 | 0.657 | 0.657 | 0.547 | 1.020 | 0.476 | 1.020 |
| 24 | 0.445 | 1.020 | 0.626 | 0.567 | 0.680 | 0.703 | 0.703 | 0.703 | 0.577 | 1.020 | 0.510 | 1.020 |
| 25 | 0.471 | 1.020 | 0.662 | 0.595 | 0.723 | 0.748 | 0.748 | 0.748 | 0.606 | 1.020 | 0.544 | 1.020 |
| 26 | 0.497 | 1.020 | 0.698 | 0.623 | 0.765 | 0.793 | 0.793 | 0.793 | 0.636 | 1.020 | 0.578 | 1.020 |
| 27 | 0.523 | 1.020 | 0.734 | 0.652 | 0.808 | 0.839 | 0.839 | 0.839 | 0.665 | 1.020 | 0.612 | 1.020 |
| 28 | 0.549 | 1.020 | 0.769 | 0.680 | 0.850 | 0.884 | 0.884 | 0.884 | 0.695 | 1.020 | 0.646 | 1.020 |
| 29 | 0.575 | | 0.805 | 0.708 | 0.893 | 0.929 | 0.929 | 0.929 | 0.724 | 1.020 | 0.680 | 1.020 |
| 30 | 0.602 | | 0.841 | 0.737 | 0.935 | 0.975 | 0.975 | 0.975 | 0.754 | 1.020 | 0.714 | 1.020 |
| 31 | 0.628 | | 0.877 | | 0.978 | | 1.020 | 1.020 | | 1.020 | | 1.020 |

ET calculations for
 Yuma Area - Average of 3 Local AZMET Stations
 (Sheet to calculate ET for Alfalfa-1b annual)

1999 CROP ET

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa- annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.06 | 0.13 | 0.04 | 0.09 | 0.17 | 0.11 | 0.14 | 0.26 | 0.15 | 0.14 | 0.08 | |
| 2 | 0.04 | 0.07 | 0.14 | 0.05 | 0.12 | 0.23 | 0.11 | 0.13 | 0.25 | 0.17 | 0.15 | 0.09 | |
| 3 | 0.05 | 0.05 | 0.17 | 0.05 | 0.11 | 0.25 | 0.11 | 0.14 | 0.20 | 0.15 | 0.16 | 0.13 | |
| 4 | 0.03 | -0.13 | 0.14 | 0.05 | 0.12 | 0.24 | 0.10 | 0.14 | 0.20 | 0.18 | 0.14 | 0.11 | |
| 5 | 0.03 | -0.03 | 0.12 | 0.05 | 0.12 | 0.21 | 0.09 | 0.16 | 0.20 | 0.21 | 0.11 | 0.09 | |
| 6 | 0.03 | 0.03 | 0.14 | 0.06 | 0.13 | 0.25 | 0.11 | 0.16 | 0.21 | 0.27 | 0.12 | 0.09 | |
| 7 | 0.03 | 0.04 | 0.13 | 0.05 | 0.14 | 0.29 | 0.07 | 0.16 | 0.23 | 0.24 | 0.10 | 0.08 | |
| 8 | 0.05 | 0.05 | 0.11 | 0.06 | 0.16 | 0.31 | 0.08 | 0.15 | 0.23 | 0.23 | 0.13 | 0.13 | |
| 9 | 0.05 | 0.06 | 0.14 | 0.07 | 0.14 | 0.28 | 0.09 | 0.17 | 0.17 | 0.21 | 0.12 | 0.08 | |
| 10 | 0.04 | 0.10 | 0.13 | 0.06 | 0.13 | 0.27 | 0.10 | 0.18 | 0.22 | 0.21 | 0.11 | 0.08 | |
| 11 | 0.03 | 0.09 | 0.17 | 0.07 | 0.13 | 0.27 | 0.10 | 0.15 | 0.24 | 0.19 | 0.12 | 0.18 | |
| 12 | 0.03 | 0.12 | 0.18 | 0.04 | 0.15 | 0.28 | 0.08 | 0.15 | 0.22 | 0.22 | 0.16 | 0.09 | |
| 13 | 0.04 | 0.09 | 0.14 | 0.06 | 0.18 | 0.29 | 0.09 | 0.17 | 0.23 | 0.20 | 0.14 | 0.08 | |
| 14 | 0.05 | 0.07 | 0.15 | 0.08 | 0.16 | 0.34 | 0.10 | 0.18 | 0.26 | 0.18 | 0.14 | 0.13 | |
| 15 | 0.04 | 0.09 | 0.20 | 0.11 | 0.17 | 0.38 | 0.11 | 0.18 | 0.10 | 0.17 | 0.04 | 0.12 | |
| 16 | 0.03 | 0.06 | 0.18 | 0.09 | 0.16 | 0.10 | 0.11 | 0.15 | 0.10 | 0.25 | 0.04 | 0.11 | |
| 17 | 0.03 | 0.07 | 0.05 | 0.09 | 0.16 | 0.10 | 0.12 | 0.18 | 0.11 | 0.31 | 0.05 | 0.11 | |
| 18 | 0.03 | 0.07 | 0.05 | 0.09 | 0.19 | 0.10 | 0.11 | 0.18 | 0.11 | 0.21 | 0.03 | 0.11 | |
| 19 | 0.03 | 0.09 | 0.05 | 0.10 | 0.21 | 0.09 | 0.11 | 0.14 | 0.12 | 0.19 | 0.03 | 0.16 | |
| 20 | 0.04 | 0.12 | 0.07 | 0.13 | 0.18 | 0.10 | 0.14 | 0.17 | 0.11 | 0.24 | 0.04 | 0.14 | |
| 21 | 0.06 | 0.10 | 0.06 | 0.11 | 0.19 | 0.12 | 0.13 | 0.17 | 0.05 | 0.20 | 0.04 | 0.12 | |
| 22 | 0.05 | 0.15 | 0.05 | 0.11 | 0.17 | 0.10 | 0.12 | 0.19 | 0.11 | 0.18 | 0.07 | 0.18 | |
| 23 | 0.04 | 0.11 | 0.06 | 0.08 | 0.16 | 0.10 | 0.13 | 0.16 | 0.08 | 0.16 | 0.05 | 0.17 | |
| 24 | 0.03 | 0.10 | 0.05 | 0.07 | 0.18 | 0.09 | 0.13 | 0.18 | 0.11 | 0.14 | 0.06 | 0.14 | |
| 25 | 0.03 | 0.13 | 0.04 | 0.09 | 0.20 | 0.12 | 0.14 | 0.20 | 0.12 | 0.15 | 0.07 | 0.11 | |
| 26 | 0.03 | 0.11 | 0.05 | 0.10 | 0.21 | 0.11 | 0.13 | 0.22 | 0.14 | 0.15 | 0.06 | 0.12 | |
| 27 | 0.03 | 0.10 | 0.05 | 0.12 | 0.22 | 0.09 | 0.10 | 0.23 | 0.17 | 0.14 | 0.05 | 0.13 | |
| 28 | 0.06 | 0.11 | 0.05 | 0.13 | 0.23 | 0.11 | 0.08 | 0.19 | 0.24 | 0.14 | 0.06 | 0.11 | |
| 29 | 0.05 | | 0.06 | 0.08 | 0.26 | 0.10 | 0.09 | 0.16 | 0.26 | 0.23 | 0.07 | 0.07 | |
| 30 | 0.05 | | 0.07 | 0.05 | 0.22 | 0.11 | 0.13 | 0.23 | 0.17 | 0.26 | 0.07 | 0.09 | |
| 31 | 0.05 | | 0.07 | | 0.24 | | 0.15 | 0.22 | | 0.17 | | 0.10 | |

(Daily Kc values)
Alfalfa- annual

Sheet F: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.305 | 0.458 | 0.775 | 0.304 | 0.441 | 0.790 | 0.304 | 0.449 | 0.804 | 0.783 | 1.020 | 0.748 |
| 2 | 0.307 | 0.466 | 0.790 | 0.305 | 0.449 | 0.804 | 0.305 | 0.458 | 0.819 | 0.813 | 1.020 | 0.782 |
| 3 | 0.309 | 0.475 | 0.804 | 0.307 | 0.458 | 0.819 | 0.307 | 0.466 | 0.835 | 0.843 | 1.020 | 0.816 |
| 4 | 0.311 | 0.483 | 0.819 | 0.309 | 0.466 | 0.835 | 0.309 | 0.475 | 0.850 | 0.872 | 1.020 | 0.850 |
| 5 | 0.313 | 0.492 | 0.835 | 0.311 | 0.475 | 0.850 | 0.311 | 0.483 | 0.866 | 0.902 | 1.020 | 0.884 |
| 6 | 0.316 | 0.502 | 0.850 | 0.313 | 0.483 | 0.866 | 0.313 | 0.492 | 0.881 | 0.931 | 1.020 | 0.918 |
| 7 | 0.318 | 0.511 | 0.866 | 0.316 | 0.492 | 0.881 | 0.316 | 0.502 | 0.897 | 0.961 | 1.020 | 0.952 |
| 8 | 0.321 | 0.521 | 0.881 | 0.318 | 0.502 | 0.897 | 0.318 | 0.511 | 0.914 | 0.990 | 1.020 | 0.986 |
| 9 | 0.325 | 0.531 | 0.897 | 0.321 | 0.511 | 0.914 | 0.321 | 0.521 | 0.930 | 1.020 | 1.020 | 1.020 |
| 10 | 0.328 | 0.541 | 0.914 | 0.325 | 0.521 | 0.930 | 0.325 | 0.531 | 0.947 | 1.020 | 1.020 | 1.020 |
| 11 | 0.332 | 0.551 | 0.930 | 0.328 | 0.531 | 0.947 | 0.328 | 0.541 | 0.964 | 1.020 | 1.020 | 1.020 |
| 12 | 0.335 | 0.562 | 0.947 | 0.332 | 0.541 | 0.964 | 0.332 | 0.551 | 0.981 | 1.020 | 1.020 | 1.020 |
| 13 | 0.339 | 0.573 | 0.964 | 0.335 | 0.551 | 0.981 | 0.335 | 0.562 | 0.998 | 1.020 | 1.020 | 1.020 |
| 14 | 0.344 | 0.584 | 0.981 | 0.339 | 0.562 | 0.998 | 0.339 | 0.573 | 1.016 | 1.020 | 1.020 | 1.020 |
| 15 | 0.348 | 0.595 | 0.998 | 0.344 | 0.573 | 1.016 | 0.344 | 0.584 | 0.340 | 1.020 | 0.340 | 1.020 |
| 16 | 0.353 | 0.606 | 1.016 | 0.348 | 0.584 | 0.309 | 0.348 | 0.595 | 0.340 | 1.020 | 0.340 | 1.020 |
| 17 | 0.358 | 0.618 | 0.309 | 0.353 | 0.595 | 0.307 | 0.353 | 0.606 | 0.370 | 1.020 | 0.340 | 1.020 |
| 18 | 0.363 | 0.630 | 0.307 | 0.358 | 0.606 | 0.305 | 0.358 | 0.618 | 0.399 | 1.020 | 0.340 | 1.020 |
| 19 | 0.368 | 0.642 | 0.305 | 0.363 | 0.618 | 0.304 | 0.363 | 0.630 | 0.429 | 1.020 | 0.340 | 1.020 |
| 20 | 0.374 | 0.654 | 0.304 | 0.368 | 0.630 | 0.303 | 0.368 | 0.642 | 0.458 | 1.020 | 0.374 | 1.020 |
| 21 | 0.380 | 0.667 | 0.303 | 0.374 | 0.642 | 0.302 | 0.374 | 0.654 | 0.488 | 1.020 | 0.408 | 1.020 |
| 22 | 0.386 | 0.680 | 0.302 | 0.380 | 0.654 | 0.301 | 0.380 | 0.667 | 0.517 | 1.020 | 0.442 | 1.020 |
| 23 | 0.392 | 0.693 | 0.301 | 0.386 | 0.667 | 0.300 | 0.386 | 0.680 | 0.547 | 1.020 | 0.476 | 1.020 |
| 24 | 0.398 | 0.706 | 0.300 | 0.392 | 0.680 | 0.300 | 0.392 | 0.693 | 0.577 | 1.020 | 0.510 | 1.020 |
| 25 | 0.405 | 0.719 | 0.300 | 0.398 | 0.693 | 0.300 | 0.398 | 0.706 | 0.606 | 1.020 | 0.544 | 1.020 |
| 26 | 0.412 | 0.733 | 0.300 | 0.405 | 0.706 | 0.300 | 0.405 | 0.719 | 0.636 | 1.020 | 0.578 | 1.020 |
| 27 | 0.419 | 0.747 | 0.300 | 0.412 | 0.719 | 0.300 | 0.412 | 0.733 | 0.665 | 1.020 | 0.612 | 1.020 |
| 28 | 0.426 | 0.761 | 0.300 | 0.419 | 0.733 | 0.301 | 0.419 | 0.747 | 0.695 | 1.020 | 0.646 | 1.020 |
| 29 | 0.434 | | 0.301 | 0.426 | 0.747 | 0.302 | 0.426 | 0.761 | 0.724 | 1.020 | 0.680 | 1.020 |
| 30 | 0.441 | | 0.302 | 0.434 | 0.761 | 0.303 | 0.434 | 0.775 | 0.754 | 1.020 | 0.714 | 1.020 |
| 31 | 0.449 | | 0.303 | | 0.775 | | 0.441 | 0.790 | | 1.020 | | 1.020 |

ET calculations for Sheet G: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Alfalfa-1c seed)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Alfalfa- seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.10 | 0.18 | 0.07 | 0.21 | 0.09 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 2 | 0.05 | 0.12 | 0.20 | 0.09 | 0.28 | 0.12 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 3 | 0.06 | 0.10 | 0.23 | 0.10 | 0.27 | 0.13 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 4 | 0.05 | -0.11 | 0.19 | 0.11 | 0.27 | 0.12 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 5 | 0.04 | -0.01 | 0.15 | 0.11 | 0.28 | 0.10 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 6 | 0.04 | 0.06 | 0.18 | 0.12 | 0.29 | 0.12 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 7 | 0.04 | 0.08 | 0.17 | 0.11 | 0.30 | 0.14 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 8 | 0.06 | 0.09 | 0.14 | 0.12 | 0.34 | 0.16 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 9 | 0.07 | 0.10 | 0.17 | 0.15 | 0.30 | 0.14 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 10 | 0.05 | 0.17 | 0.16 | 0.14 | 0.27 | 0.14 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 11 | 0.04 | 0.16 | 0.20 | 0.16 | 0.28 | 0.14 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 12 | 0.04 | 0.20 | 0.20 | 0.08 | 0.31 | 0.15 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 13 | 0.05 | 0.17 | 0.16 | 0.13 | 0.35 | 0.16 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 14 | 0.08 | 0.12 | 0.17 | 0.19 | 0.30 | 0.19 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 15 | 0.05 | 0.16 | 0.22 | 0.25 | 0.32 | 0.21 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 16 | 0.05 | 0.11 | 0.07 | 0.21 | 0.31 | 0.20 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 17 | 0.04 | 0.13 | 0.06 | 0.21 | 0.30 | 0.21 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 18 | 0.04 | 0.11 | 0.06 | 0.21 | 0.34 | 0.20 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 19 | 0.05 | 0.15 | 0.07 | 0.23 | 0.37 | 0.19 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 20 | 0.07 | 0.21 | 0.09 | 0.31 | 0.31 | 0.21 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 21 | 0.10 | 0.17 | 0.08 | 0.27 | 0.33 | 0.27 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 22 | 0.08 | 0.24 | 0.07 | 0.26 | 0.28 | 0.24 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | |
| 23 | 0.06 | 0.18 | 0.08 | 0.20 | 0.27 | 0.23 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 24 | 0.06 | 0.15 | 0.07 | 0.18 | 0.29 | 0.23 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 25 | 0.05 | 0.19 | 0.06 | 0.21 | 0.32 | 0.29 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 26 | 0.06 | 0.17 | 0.07 | 0.24 | 0.33 | 0.27 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 27 | 0.06 | 0.15 | 0.08 | 0.28 | 0.33 | 0.24 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 28 | 0.11 | 0.16 | 0.08 | 0.31 | 0.35 | 0.29 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 29 | 0.08 | | 0.09 | 0.19 | 0.14 | 0.27 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 30 | 0.08 | | 0.12 | 0.13 | 0.12 | 0.29 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 31 | 0.09 | | 0.13 | | 0.13 | | 0.37 | 0.00 | | 0.00 | | 0.04 | |

(Daily Kc values)

Sheet G: Page 2 of 2

1999 CROP ET

Alfalfa- seed

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.418 | 0.807 | 1.094 | 0.553 | 1.060 | 0.418 | 0.841 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 2 | 0.418 | 0.824 | 1.094 | 0.570 | 1.077 | 0.418 | 0.857 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 3 | 0.418 | 0.841 | 1.094 | 0.587 | 1.094 | 0.418 | 0.874 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 4 | 0.418 | 0.857 | 1.094 | 0.604 | 1.094 | 0.418 | 0.891 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 5 | 0.418 | 0.874 | 1.094 | 0.621 | 1.094 | 0.418 | 0.908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 6 | 0.418 | 0.891 | 1.094 | 0.637 | 1.094 | 0.418 | 0.925 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 7 | 0.418 | 0.908 | 1.094 | 0.654 | 1.094 | 0.434 | 0.942 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 8 | 0.418 | 0.925 | 1.094 | 0.671 | 1.094 | 0.451 | 0.959 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 9 | 0.418 | 0.942 | 1.094 | 0.688 | 1.094 | 0.468 | 0.976 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 10 | 0.434 | 0.959 | 1.094 | 0.705 | 1.094 | 0.485 | 0.993 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 11 | 0.451 | 0.976 | 1.094 | 0.722 | 1.094 | 0.502 | 1.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 12 | 0.468 | 0.993 | 1.094 | 0.739 | 1.094 | 0.519 | 1.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 13 | 0.485 | 1.010 | 1.094 | 0.756 | 1.094 | 0.536 | 1.044 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 14 | 0.502 | 1.027 | 1.094 | 0.773 | 1.094 | 0.553 | 1.060 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 15 | 0.519 | 1.044 | 1.094 | 0.790 | 1.094 | 0.570 | 1.077 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 16 | 0.536 | 1.060 | 0.418 | 0.807 | 1.094 | 0.587 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 17 | 0.553 | 1.077 | 0.418 | 0.824 | 1.094 | 0.604 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 18 | 0.570 | 1.094 | 0.418 | 0.841 | 1.094 | 0.621 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 19 | 0.587 | 1.094 | 0.418 | 0.857 | 1.094 | 0.637 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 20 | 0.604 | 1.094 | 0.418 | 0.874 | 1.094 | 0.654 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 21 | 0.621 | 1.094 | 0.418 | 0.891 | 1.094 | 0.671 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 22 | 0.637 | 1.094 | 0.418 | 0.908 | 1.094 | 0.688 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 23 | 0.654 | 1.094 | 0.418 | 0.925 | 1.094 | 0.705 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 24 | 0.671 | 1.094 | 0.418 | 0.942 | 1.094 | 0.722 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 25 | 0.688 | 1.094 | 0.434 | 0.959 | 1.094 | 0.739 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 26 | 0.705 | 1.094 | 0.451 | 0.976 | 1.094 | 0.756 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 27 | 0.722 | 1.094 | 0.468 | 0.993 | 1.094 | 0.773 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 28 | 0.739 | 1.094 | 0.485 | 1.010 | 1.094 | 0.790 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 29 | 0.756 | | 0.502 | 1.027 | 0.418 | 0.807 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 30 | 0.773 | | 0.519 | 1.044 | 0.418 | 0.824 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 | 0.418 |
| 31 | 0.790 | | 0.536 | | 0.418 | | 1.094 | 0.000 | | 0.000 | | 0.418 |

ET calculations for Sheet H: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Cotton)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | 0.12 | 0.31 | 0.35 | 0.36 | 0.11 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | 0.16 | 0.32 | 0.30 | 0.33 | 0.12 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | 0.18 | 0.32 | 0.32 | 0.26 | 0.10 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | 0.17 | 0.27 | 0.32 | 0.26 | 0.10 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | 0.14 | 0.27 | 0.36 | 0.26 | 0.11 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | 0.18 | 0.32 | 0.35 | 0.26 | 0.14 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.20 | 0.20 | 0.34 | 0.28 | 0.11 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.04 | 0.10 | 0.22 | 0.22 | 0.32 | 0.27 | 0.10 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.19 | 0.27 | 0.36 | 0.18 | 0.09 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | 0.18 | 0.29 | 0.38 | 0.24 | 0.08 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.19 | 0.30 | 0.30 | 0.25 | 0.07 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.02 | 0.10 | 0.19 | 0.22 | 0.29 | 0.22 | 0.08 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.04 | 0.12 | 0.20 | 0.26 | 0.33 | 0.22 | 0.07 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.05 | 0.11 | 0.23 | 0.29 | 0.34 | 0.24 | 0.06 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.07 | 0.11 | 0.26 | 0.32 | 0.33 | 0.26 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.06 | 0.11 | 0.24 | 0.32 | 0.28 | 0.25 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.06 | 0.11 | 0.24 | 0.33 | 0.33 | 0.25 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | 0.23 | 0.31 | 0.33 | 0.24 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.06 | 0.15 | 0.22 | 0.32 | 0.24 | 0.24 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.08 | 0.13 | 0.24 | 0.40 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.07 | 0.13 | 0.30 | 0.35 | 0.29 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.26 | 0.33 | 0.32 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.05 | 0.11 | 0.26 | 0.37 | 0.26 | 0.11 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.04 | 0.12 | 0.24 | 0.36 | 0.28 | 0.14 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.05 | 0.14 | 0.31 | 0.38 | 0.32 | 0.14 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.06 | 0.15 | 0.28 | 0.34 | 0.34 | 0.15 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.06 | 0.16 | 0.26 | 0.25 | 0.34 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.07 | 0.17 | 0.30 | 0.22 | 0.28 | 0.22 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.04 | 0.18 | 0.28 | 0.24 | 0.23 | 0.22 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.03 | 0.16 | 0.30 | 0.32 | 0.33 | 0.14 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.17 | | 0.37 | 0.30 | | 0.00 | | 0.00 | |

Cotton

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.226 | 0.255 | 0.556 | 0.848 | 1.101 | 1.101 | 0.578 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.226 | 0.265 | 0.566 | 0.858 | 1.101 | 1.101 | 0.558 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.226 | 0.274 | 0.576 | 0.867 | 1.101 | 1.101 | 0.538 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.226 | 0.284 | 0.585 | 0.877 | 1.101 | 1.101 | 0.518 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.226 | 0.294 | 0.595 | 0.887 | 1.101 | 1.101 | 0.498 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.226 | 0.303 | 0.605 | 0.897 | 1.101 | 1.081 | 0.478 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.226 | 0.313 | 0.615 | 0.906 | 1.101 | 1.061 | 0.458 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.226 | 0.323 | 0.624 | 0.916 | 1.101 | 1.040 | 0.438 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.226 | 0.333 | 0.634 | 0.926 | 1.101 | 1.020 | 0.417 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.226 | 0.342 | 0.644 | 0.935 | 1.101 | 1.000 | 0.397 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.226 | 0.352 | 0.653 | 0.945 | 1.101 | 0.980 | 0.377 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.226 | 0.362 | 0.663 | 0.955 | 1.101 | 0.960 | 0.357 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.226 | 0.372 | 0.673 | 0.965 | 1.101 | 0.940 | 0.337 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.226 | 0.381 | 0.683 | 0.974 | 1.101 | 0.920 | 0.317 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.226 | 0.391 | 0.692 | 0.984 | 1.101 | 0.900 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.226 | 0.401 | 0.702 | 0.994 | 1.101 | 0.880 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.226 | 0.410 | 0.712 | 1.003 | 1.101 | 0.860 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.226 | 0.420 | 0.722 | 1.013 | 1.101 | 0.839 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.226 | 0.430 | 0.731 | 1.023 | 1.101 | 0.819 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.226 | 0.440 | 0.741 | 1.033 | 1.101 | 0.799 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.226 | 0.449 | 0.751 | 1.042 | 1.101 | 0.779 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.226 | 0.459 | 0.760 | 1.052 | 1.101 | 0.759 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.226 | 0.469 | 0.770 | 1.062 | 1.101 | 0.739 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.226 | 0.478 | 0.780 | 1.072 | 1.101 | 0.719 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.226 | 0.488 | 0.790 | 1.081 | 1.101 | 0.699 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.226 | 0.498 | 0.799 | 1.091 | 1.101 | 0.679 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.226 | 0.508 | 0.809 | 1.101 | 1.101 | 0.659 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.226 | 0.517 | 0.819 | 1.101 | 1.101 | 0.639 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.235 | 0.527 | 0.828 | 1.101 | 1.101 | 0.618 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.245 | 0.537 | 0.838 | 1.101 | 1.101 | 0.598 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.547 | | 1.101 | 1.101 | | 0.000 | | 0.000 |

ET calculations for Sheet I: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Small Grains includes oats, rye, barley, millet, and wheat)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.07 | 0.15 | 0.19 | 0.14 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 2 | 0.08 | 0.17 | 0.20 | 0.19 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 3 | 0.10 | 0.13 | 0.24 | 0.19 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 4 | 0.07 | -0.09 | 0.20 | 0.20 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 5 | 0.07 | 0.01 | 0.16 | 0.20 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 6 | 0.08 | 0.08 | 0.19 | 0.22 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 7 | 0.06 | 0.10 | 0.17 | 0.20 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 8 | 0.11 | 0.11 | 0.15 | 0.20 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 9 | 0.13 | 0.13 | 0.18 | 0.25 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 10 | 0.10 | 0.21 | 0.17 | 0.22 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 11 | 0.07 | 0.19 | 0.21 | 0.24 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 12 | 0.08 | 0.24 | 0.21 | 0.12 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 13 | 0.09 | 0.19 | 0.17 | 0.19 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 14 | 0.14 | 0.14 | 0.18 | 0.25 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 15 | 0.09 | 0.18 | 0.23 | 0.31 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 16 | 0.08 | 0.12 | 0.20 | 0.25 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 17 | 0.08 | 0.14 | 0.17 | 0.24 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 18 | 0.08 | 0.12 | 0.17 | 0.24 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 19 | 0.09 | 0.15 | 0.19 | 0.25 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 20 | 0.13 | 0.22 | 0.25 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 21 | 0.17 | 0.17 | 0.22 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 22 | 0.13 | 0.25 | 0.20 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 23 | 0.10 | 0.19 | 0.23 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 24 | 0.10 | 0.16 | 0.19 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 25 | 0.09 | 0.20 | 0.16 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 26 | 0.09 | 0.18 | 0.18 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 27 | 0.09 | 0.16 | 0.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 28 | 0.17 | 0.17 | 0.19 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 29 | 0.12 | | 0.21 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 30 | 0.12 | | 0.27 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 31 | 0.14 | | 0.27 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | 0.00 | 0.06 |

(Daily Kc values)

Sheet I: Page 2 of 2

1999 CROP ET

Small Grain

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.610 | 1.148 | 1.148 | 1.148 | 0.636 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 2 | 0.633 | 1.148 | 1.148 | 1.148 | 0.613 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 3 | 0.657 | 1.148 | 1.148 | 1.148 | 0.590 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 4 | 0.680 | 1.148 | 1.148 | 1.148 | 0.567 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 5 | 0.703 | 1.148 | 1.148 | 1.148 | 0.543 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 6 | 0.727 | 1.148 | 1.148 | 1.148 | 0.520 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 7 | 0.750 | 1.148 | 1.148 | 1.148 | 0.497 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 8 | 0.774 | 1.148 | 1.148 | 1.148 | 0.474 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 9 | 0.797 | 1.148 | 1.148 | 1.148 | 0.450 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 10 | 0.820 | 1.148 | 1.148 | 1.125 | 0.427 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 11 | 0.844 | 1.148 | 1.148 | 1.101 | 0.404 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 12 | 0.867 | 1.148 | 1.148 | 1.078 | 0.381 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 13 | 0.891 | 1.148 | 1.148 | 1.055 | 0.357 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 14 | 0.914 | 1.148 | 1.148 | 1.032 | 0.334 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 15 | 0.937 | 1.148 | 1.148 | 1.008 | 0.311 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 16 | 0.961 | 1.148 | 1.148 | 0.985 | 0.288 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 17 | 0.984 | 1.148 | 1.148 | 0.962 | 0.264 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 18 | 1.007 | 1.148 | 1.148 | 0.939 | 0.241 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 19 | 1.031 | 1.148 | 1.148 | 0.915 | 0.218 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 20 | 1.054 | 1.148 | 1.148 | 0.892 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 |
| 21 | 1.078 | 1.148 | 1.148 | 0.869 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.353 |
| 22 | 1.101 | 1.148 | 1.148 | 0.846 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.376 |
| 23 | 1.124 | 1.148 | 1.148 | 0.822 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.399 |
| 24 | 1.148 | 1.148 | 1.148 | 0.799 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.423 |
| 25 | 1.148 | 1.148 | 1.148 | 0.776 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.446 |
| 26 | 1.148 | 1.148 | 1.148 | 0.753 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.470 |
| 27 | 1.148 | 1.148 | 1.148 | 0.729 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.493 |
| 28 | 1.148 | 1.148 | 1.148 | 0.706 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.516 |
| 29 | 1.148 | | 1.148 | 0.683 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.540 |
| 30 | 1.148 | | 1.148 | 0.660 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.563 |
| 31 | 1.148 | | 1.148 | | 0.000 | | 0.000 | 0.000 | | 0.000 | | 0.587 |

ET calculations for Sheet J: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Field Grain includes field & sweet corn, sorghum, and milo)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.07 | 0.11 | 0.24 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.07 | 0.16 | 0.32 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.08 | 0.16 | 0.30 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.07 | 0.18 | 0.31 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.05 | 0.17 | 0.32 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.07 | 0.20 | 0.33 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.06 | 0.18 | 0.34 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.06 | 0.19 | 0.38 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.07 | 0.24 | 0.34 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.07 | 0.22 | 0.30 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.09 | 0.25 | 0.31 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.10 | 0.13 | 0.35 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.08 | 0.21 | 0.39 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.09 | 0.29 | 0.34 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.06 | 0.12 | 0.38 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.04 | 0.11 | 0.32 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.05 | 0.09 | 0.31 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.04 | 0.10 | 0.31 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.05 | 0.11 | 0.33 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.08 | 0.15 | 0.43 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.06 | 0.14 | 0.37 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.09 | 0.13 | 0.35 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.07 | 0.15 | 0.26 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.06 | 0.13 | 0.23 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.07 | 0.11 | 0.27 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.06 | 0.13 | 0.30 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.06 | 0.15 | 0.34 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.06 | 0.14 | 0.38 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.16 | 0.23 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.21 | 0.15 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.22 | | 0.29 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet J: Page 2 of 2

1999 CROP ET

Field Grain

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.398 | 0.935 | 1.224 | 0.907 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.398 | 0.955 | 1.224 | 0.861 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.398 | 0.976 | 1.224 | 0.816 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.398 | 0.997 | 1.224 | 0.770 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.398 | 1.017 | 1.224 | 0.725 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.398 | 1.038 | 1.224 | 0.680 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.418 | 1.059 | 1.224 | 0.634 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.439 | 1.079 | 1.224 | 0.589 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.460 | 1.100 | 1.224 | 0.544 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.480 | 1.121 | 1.224 | 0.498 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.501 | 1.141 | 1.224 | 0.453 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.522 | 1.162 | 1.224 | 0.408 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.542 | 1.183 | 1.224 | 0.362 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.563 | 1.203 | 1.224 | 0.317 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.398 | 0.584 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.398 | 0.604 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.398 | 0.625 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.398 | 0.646 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.398 | 0.666 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.398 | 0.687 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.398 | 0.708 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.398 | 0.728 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.398 | 0.749 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.398 | 0.769 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.398 | 0.790 | 1.224 | 1.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.398 | 0.811 | 1.224 | 1.179 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.398 | 0.831 | 1.224 | 1.133 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.398 | 0.852 | 1.224 | 1.088 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.873 | 1.224 | 1.043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.893 | 1.224 | 0.997 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.914 | | 0.952 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet K: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Lettuce-6a early Sept 15 - Nov 28)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Lettuce- early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.14 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.15 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.16 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.14 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.11 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.11 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.10 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.11 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.12 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.15 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.14 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.13 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.11 | 0.13 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.17 | 0.11 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.22 | 0.15 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.16 | 0.10 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.14 | 0.10 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.18 | 0.11 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.16 | 0.11 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.15 | 0.16 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | 0.11 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.12 | 0.11 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.14 | 0.11 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.14 | 0.10 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.13 | 0.07 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.14 | 0.09 | 0.00 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.23 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.26 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.17 | | 0.00 | |

(Daily Kc values)

Sheet K: Page 2 of 2

1999 CROP ET

Lettuce- early

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 1.007 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 1.007 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 1.007 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 1.007 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.429 | 1.007 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.453 | 1.007 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.478 | 1.007 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.502 | 1.007 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.526 | 1.007 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.550 | 1.007 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.574 | 1.007 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.598 | 1.007 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.622 | 1.007 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.646 | 1.007 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.670 | 1.007 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.694 | 1.007 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.718 | 1.007 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.742 | 1.007 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.766 | 0.997 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.790 | 0.987 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.814 | 0.977 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.838 | 0.967 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.862 | 0.957 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.887 | 0.947 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.911 | 0.937 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.935 | 0.927 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.959 | 0.917 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.983 | 0.907 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 1.007 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 1.007 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 1.007 | | 0.000 |

ET calculations for Sheet L: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Lettuce-6b late Nov 15 - Jan 28)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Lettuce- late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 2 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 3 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | |
| 4 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 5 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 6 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 7 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 8 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 9 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | |
| 10 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 11 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | |
| 12 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 13 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 14 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | |
| 15 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.08 | |
| 16 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | |
| 17 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | |
| 18 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | |
| 19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.12 | |
| 20 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.11 | |
| 21 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | |
| 22 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.15 | |
| 23 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.15 | |
| 24 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | |
| 25 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.10 | |
| 26 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.11 | |
| 27 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.12 | |
| 28 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | 0.10 | |

(Daily Kc values)

Sheet L: Page 2 of 2

1999 CROP ET

Lettuce- late

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 |
| 2 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 |
| 3 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 |
| 4 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 |
| 5 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.486 |
| 6 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.508 |
| 7 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.529 |
| 8 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.551 |
| 9 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.573 |
| 10 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.595 |
| 11 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.617 |
| 12 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.639 |
| 13 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.661 |
| 14 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.683 |
| 15 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.705 |
| 16 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.727 |
| 17 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.748 |
| 18 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.770 |
| 19 | 1.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.792 |
| 20 | 0.991 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.814 |
| 21 | 0.981 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.836 |
| 22 | 0.971 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.858 |
| 23 | 0.961 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.880 |
| 24 | 0.951 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.902 |
| 25 | 0.941 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.924 |
| 26 | 0.931 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.946 |
| 27 | 0.921 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.967 |
| 28 | 0.911 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 0.989 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 1.011 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.464 | 1.011 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 0.000 | | 1.011 |

ET calculations for Sheet M: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Melons-7a spring Feb 1 - May 31)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Melons- spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.05 | 0.08 | 0.12 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.06 | 0.09 | 0.17 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.05 | 0.11 | 0.17 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | -0.13 | 0.09 | 0.18 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | -0.04 | 0.07 | 0.17 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.03 | 0.09 | 0.20 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.03 | 0.09 | 0.18 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.04 | 0.08 | 0.18 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.04 | 0.09 | 0.23 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.07 | 0.09 | 0.20 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.06 | 0.12 | 0.22 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.08 | 0.12 | 0.11 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.07 | 0.10 | 0.18 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.05 | 0.11 | 0.24 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.06 | 0.15 | 0.32 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.04 | 0.13 | 0.26 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.05 | 0.11 | 0.26 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.04 | 0.12 | 0.26 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.05 | 0.13 | 0.28 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.08 | 0.18 | 0.36 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.06 | 0.16 | 0.31 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.09 | 0.15 | 0.29 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.07 | 0.17 | 0.22 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.06 | 0.15 | 0.19 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.07 | 0.13 | 0.23 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.06 | 0.15 | 0.25 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.06 | 0.17 | 0.29 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.07 | 0.16 | 0.32 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.18 | 0.19 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.23 | 0.12 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.24 | | 0.25 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet M: Page 2 of 2

1999 CROP ET

Melons- spring

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.398 | 0.469 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.398 | 0.487 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.398 | 0.504 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.398 | 0.522 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.398 | 0.540 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.398 | 0.558 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.398 | 0.576 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.398 | 0.593 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.398 | 0.611 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.398 | 0.629 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.398 | 0.647 | 1.020 | 1.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.398 | 0.664 | 1.020 | 1.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.398 | 0.682 | 1.020 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.398 | 0.700 | 1.020 | 0.990 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.398 | 0.718 | 1.020 | 0.980 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.398 | 0.736 | 1.020 | 0.970 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.398 | 0.753 | 1.020 | 0.960 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.398 | 0.771 | 1.020 | 0.950 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.398 | 0.789 | 1.020 | 0.940 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.398 | 0.807 | 1.020 | 0.930 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.398 | 0.825 | 1.020 | 0.920 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.398 | 0.842 | 1.020 | 0.910 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.398 | 0.860 | 1.020 | 0.900 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.398 | 0.878 | 1.020 | 0.890 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.398 | 0.896 | 1.020 | 0.880 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.415 | 0.913 | 1.020 | 0.870 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.433 | 0.931 | 1.020 | 0.860 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.451 | 0.949 | 1.020 | 0.850 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.967 | 1.020 | 0.840 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.985 | 1.020 | 0.830 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 1.002 | | 0.820 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet N: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Melons-7b fall Sep 1 - Dec 29)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Melons- fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.12 | 0.14 | 0.10 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.14 | 0.15 | 0.12 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.12 | 0.16 | 0.16 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.14 | 0.14 | 0.13 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.16 | 0.11 | 0.10 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.21 | 0.11 | 0.10 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.18 | 0.10 | 0.08 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.18 | 0.12 | 0.14 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.16 | 0.11 | 0.08 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.17 | 0.11 | 0.08 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | 0.12 | 0.17 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.18 | 0.15 | 0.09 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.17 | 0.14 | 0.07 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.16 | 0.13 | 0.12 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.15 | 0.13 | 0.11 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.22 | 0.11 | 0.10 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.29 | 0.15 | 0.10 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.20 | 0.10 | 0.10 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.18 | 0.10 | 0.14 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.23 | 0.11 | 0.12 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.20 | 0.11 | 0.10 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.17 | 0.16 | 0.16 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.16 | 0.11 | 0.15 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.14 | 0.12 | 0.12 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | 0.12 | 0.09 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.15 | 0.11 | 0.10 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.13 | 0.08 | 0.10 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.14 | 0.09 | 0.09 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.23 | 0.11 | 0.06 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.26 | 0.10 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.17 | | 0.00 | |

(Daily Kc values)

Sheet N: Page 2 of 2

1999 CROP ET

Melons- fall

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.625 | 1.004 | 1.004 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.645 | 1.004 | 1.004 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.665 | 1.004 | 1.004 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.685 | 1.004 | 1.004 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.705 | 1.004 | 1.004 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.725 | 1.004 | 1.004 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.745 | 1.004 | 1.004 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.765 | 1.004 | 1.004 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.785 | 1.004 | 1.004 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.805 | 1.004 | 0.994 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.824 | 1.004 | 0.984 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.844 | 1.004 | 0.974 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.864 | 1.004 | 0.964 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.884 | 1.004 | 0.954 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.904 | 1.004 | 0.944 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.924 | 1.004 | 0.934 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.944 | 1.004 | 0.924 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.964 | 1.004 | 0.914 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.984 | 1.004 | 0.904 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 1.004 | 1.004 | 0.894 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.425 | 1.004 | 1.004 | 0.884 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.445 | 1.004 | 1.004 | 0.874 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.465 | 1.004 | 1.004 | 0.864 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.485 | 1.004 | 1.004 | 0.854 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.505 | 1.004 | 1.004 | 0.844 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.525 | 1.004 | 1.004 | 0.834 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.545 | 1.004 | 1.004 | 0.824 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.565 | 1.004 | 1.004 | 0.814 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.585 | 1.004 | 1.004 | 0.804 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.605 | 1.004 | 1.004 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 1.004 | | 0.000 |

ET calculations for Sheet O: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Bermuda Grass-8a)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.05 | 0.13 | 0.18 | 0.31 | 0.27 | 0.27 | 0.15 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.07 | 0.18 | 0.24 | 0.32 | 0.24 | 0.25 | 0.17 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.07 | 0.17 | 0.26 | 0.31 | 0.25 | 0.19 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.08 | 0.18 | 0.25 | 0.27 | 0.25 | 0.20 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.07 | 0.19 | 0.21 | 0.26 | 0.27 | 0.19 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.08 | 0.21 | 0.25 | 0.30 | 0.27 | 0.20 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.08 | 0.22 | 0.28 | 0.19 | 0.26 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.08 | 0.25 | 0.29 | 0.20 | 0.25 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.10 | 0.23 | 0.26 | 0.24 | 0.27 | 0.15 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.21 | 0.24 | 0.26 | 0.29 | 0.19 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.10 | 0.21 | 0.24 | 0.27 | 0.23 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.05 | 0.24 | 0.25 | 0.20 | 0.23 | 0.18 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.08 | 0.27 | 0.25 | 0.23 | 0.25 | 0.19 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.11 | 0.24 | 0.29 | 0.25 | 0.26 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.14 | 0.25 | 0.32 | 0.27 | 0.25 | 0.23 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.11 | 0.24 | 0.29 | 0.27 | 0.21 | 0.23 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.11 | 0.23 | 0.29 | 0.28 | 0.25 | 0.24 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.11 | 0.26 | 0.27 | 0.26 | 0.25 | 0.23 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.12 | 0.29 | 0.26 | 0.26 | 0.18 | 0.24 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.16 | 0.24 | 0.27 | 0.33 | 0.23 | 0.19 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.14 | 0.26 | 0.34 | 0.29 | 0.22 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.14 | 0.22 | 0.29 | 0.26 | 0.24 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.11 | 0.21 | 0.28 | 0.30 | 0.20 | 0.12 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.10 | 0.22 | 0.27 | 0.29 | 0.21 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.12 | 0.25 | 0.34 | 0.30 | 0.24 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.14 | 0.25 | 0.30 | 0.26 | 0.25 | 0.18 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.16 | 0.26 | 0.27 | 0.20 | 0.26 | 0.21 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.19 | 0.27 | 0.31 | 0.17 | 0.21 | 0.28 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | 0.00 | 0.00 | 0.12 | 0.29 | 0.29 | 0.19 | 0.17 | 0.29 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | 0.00 | 0.00 | 0.08 | 0.25 | 0.30 | 0.25 | 0.25 | 0.18 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.29 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | |

Bermuda

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.438 | 0.666 | 0.852 | 0.852 | 0.850 | 0.826 | 0.803 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.438 | 0.686 | 0.852 | 0.852 | 0.849 | 0.825 | 0.802 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.438 | 0.707 | 0.852 | 0.852 | 0.848 | 0.824 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.438 | 0.728 | 0.852 | 0.852 | 0.847 | 0.823 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.438 | 0.748 | 0.852 | 0.852 | 0.847 | 0.823 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.438 | 0.769 | 0.852 | 0.852 | 0.846 | 0.822 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.438 | 0.790 | 0.852 | 0.852 | 0.845 | 0.821 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.438 | 0.811 | 0.852 | 0.852 | 0.844 | 0.820 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.438 | 0.831 | 0.852 | 0.852 | 0.843 | 0.820 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.843 | 0.819 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.842 | 0.818 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.841 | 0.817 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.840 | 0.817 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.840 | 0.816 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.839 | 0.815 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.838 | 0.814 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.837 | 0.813 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.837 | 0.813 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.836 | 0.812 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.438 | 0.852 | 0.852 | 0.852 | 0.835 | 0.811 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.459 | 0.852 | 0.852 | 0.852 | 0.834 | 0.810 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.480 | 0.852 | 0.852 | 0.852 | 0.833 | 0.810 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.500 | 0.852 | 0.852 | 0.852 | 0.833 | 0.809 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.521 | 0.852 | 0.852 | 0.852 | 0.832 | 0.808 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.542 | 0.852 | 0.852 | 0.852 | 0.831 | 0.807 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.562 | 0.852 | 0.852 | 0.852 | 0.830 | 0.807 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.583 | 0.852 | 0.852 | 0.852 | 0.830 | 0.806 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.604 | 0.852 | 0.852 | 0.852 | 0.829 | 0.805 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.624 | 0.852 | 0.852 | 0.852 | 0.828 | 0.804 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.645 | 0.852 | 0.852 | 0.851 | 0.827 | 0.803 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.852 | | 0.850 | 0.827 | | 0.000 | | 0.000 |

ET calculations for Sheet P: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Bermuda Grass overseeded with rye grass in winter-8b)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.11 | 0.11 | 0.14 | 0.05 | 0.13 | 0.18 | 0.31 | 0.27 | 0.27 | 0.15 | 0.11 | 0.09 | |
| 2 | 0.11 | 0.13 | 0.15 | 0.07 | 0.18 | 0.24 | 0.32 | 0.24 | 0.25 | 0.17 | 0.12 | 0.10 | |
| 3 | 0.14 | 0.10 | 0.18 | 0.07 | 0.17 | 0.26 | 0.31 | 0.25 | 0.19 | 0.00 | 0.13 | 0.15 | |
| 4 | 0.10 | -0.11 | 0.14 | 0.08 | 0.18 | 0.25 | 0.27 | 0.25 | 0.20 | 0.08 | 0.12 | 0.12 | |
| 5 | 0.10 | -0.01 | 0.12 | 0.07 | 0.19 | 0.21 | 0.26 | 0.27 | 0.19 | 0.09 | 0.09 | 0.09 | |
| 6 | 0.10 | 0.06 | 0.14 | 0.08 | 0.21 | 0.25 | 0.30 | 0.27 | 0.20 | 0.11 | 0.10 | 0.09 | |
| 7 | 0.08 | 0.08 | 0.13 | 0.08 | 0.22 | 0.28 | 0.19 | 0.26 | 0.21 | 0.10 | 0.09 | 0.08 | |
| 8 | 0.13 | 0.08 | 0.11 | 0.08 | 0.25 | 0.29 | 0.20 | 0.25 | 0.21 | 0.09 | 0.11 | 0.12 | |
| 9 | 0.15 | 0.10 | 0.13 | 0.10 | 0.23 | 0.26 | 0.24 | 0.27 | 0.15 | 0.08 | 0.10 | 0.07 | |
| 10 | 0.11 | 0.16 | 0.12 | 0.08 | 0.21 | 0.24 | 0.26 | 0.29 | 0.19 | 0.08 | 0.10 | 0.07 | |
| 11 | 0.07 | 0.14 | 0.16 | 0.10 | 0.21 | 0.24 | 0.27 | 0.23 | 0.21 | 0.07 | 0.11 | 0.16 | |
| 12 | 0.08 | 0.18 | 0.16 | 0.05 | 0.24 | 0.25 | 0.20 | 0.23 | 0.18 | 0.08 | 0.14 | 0.08 | |
| 13 | 0.10 | 0.14 | 0.12 | 0.08 | 0.27 | 0.25 | 0.23 | 0.25 | 0.19 | 0.08 | 0.13 | 0.07 | |
| 14 | 0.14 | 0.11 | 0.13 | 0.11 | 0.24 | 0.29 | 0.25 | 0.26 | 0.21 | 0.07 | 0.12 | 0.12 | |
| 15 | 0.09 | 0.14 | 0.17 | 0.14 | 0.25 | 0.32 | 0.27 | 0.25 | 0.23 | 0.07 | 0.12 | 0.10 | |
| 16 | 0.08 | 0.09 | 0.15 | 0.11 | 0.24 | 0.29 | 0.27 | 0.21 | 0.23 | 0.11 | 0.10 | 0.09 | |
| 17 | 0.07 | 0.11 | 0.12 | 0.11 | 0.23 | 0.29 | 0.28 | 0.25 | 0.24 | 0.14 | 0.13 | 0.10 | |
| 18 | 0.07 | 0.09 | 0.12 | 0.11 | 0.26 | 0.27 | 0.26 | 0.25 | 0.23 | 0.10 | 0.09 | 0.10 | |
| 19 | 0.08 | 0.12 | 0.14 | 0.12 | 0.29 | 0.26 | 0.26 | 0.18 | 0.24 | 0.09 | 0.09 | 0.14 | |
| 20 | 0.11 | 0.16 | 0.18 | 0.16 | 0.24 | 0.27 | 0.33 | 0.23 | 0.19 | 0.12 | 0.10 | 0.12 | |
| 21 | 0.14 | 0.13 | 0.16 | 0.14 | 0.26 | 0.34 | 0.29 | 0.22 | 0.08 | 0.11 | 0.10 | 0.10 | |
| 22 | 0.11 | 0.19 | 0.14 | 0.14 | 0.22 | 0.29 | 0.26 | 0.24 | 0.17 | 0.10 | 0.15 | 0.16 | |
| 23 | 0.08 | 0.14 | 0.16 | 0.11 | 0.21 | 0.28 | 0.30 | 0.20 | 0.12 | 0.09 | 0.10 | 0.15 | |
| 24 | 0.08 | 0.12 | 0.13 | 0.10 | 0.22 | 0.27 | 0.29 | 0.21 | 0.16 | 0.09 | 0.11 | 0.13 | |
| 25 | 0.07 | 0.15 | 0.11 | 0.12 | 0.25 | 0.34 | 0.30 | 0.24 | 0.16 | 0.10 | 0.11 | 0.10 | |
| 26 | 0.07 | 0.13 | 0.13 | 0.14 | 0.25 | 0.30 | 0.26 | 0.25 | 0.18 | 0.10 | 0.10 | 0.11 | |
| 27 | 0.07 | 0.12 | 0.15 | 0.16 | 0.26 | 0.27 | 0.20 | 0.26 | 0.21 | 0.09 | 0.07 | 0.11 | |
| 28 | 0.13 | 0.13 | 0.14 | 0.19 | 0.27 | 0.31 | 0.17 | 0.21 | 0.28 | 0.10 | 0.09 | 0.10 | |
| 29 | 0.10 | | 0.15 | 0.12 | 0.29 | 0.29 | 0.19 | 0.17 | 0.29 | 0.17 | 0.10 | 0.07 | |
| 30 | 0.09 | | 0.00 | 0.08 | 0.25 | 0.30 | 0.25 | 0.25 | 0.18 | 0.19 | 0.09 | 0.08 | |
| 31 | 0.11 | | 0.00 | | 0.26 | | 0.29 | 0.23 | | 0.13 | | 0.09 | |

(Daily Kc values)
Bermuda w/ rye

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.907 | 0.894 | 0.851 | 0.438 | 0.666 | 0.852 | 0.852 | 0.850 | 0.826 | 0.803 | 0.782 | 0.907 |
| 2 | 0.907 | 0.893 | 0.850 | 0.438 | 0.686 | 0.852 | 0.852 | 0.849 | 0.825 | 0.802 | 0.803 | 0.907 |
| 3 | 0.907 | 0.891 | 0.848 | 0.438 | 0.707 | 0.852 | 0.852 | 0.848 | 0.824 | 0.000 | 0.823 | 0.907 |
| 4 | 0.907 | 0.890 | 0.847 | 0.438 | 0.728 | 0.852 | 0.852 | 0.847 | 0.823 | 0.386 | 0.844 | 0.907 |
| 5 | 0.907 | 0.888 | 0.845 | 0.438 | 0.748 | 0.852 | 0.852 | 0.847 | 0.823 | 0.386 | 0.865 | 0.907 |
| 6 | 0.907 | 0.887 | 0.844 | 0.438 | 0.769 | 0.852 | 0.852 | 0.846 | 0.822 | 0.386 | 0.886 | 0.907 |
| 7 | 0.907 | 0.885 | 0.842 | 0.438 | 0.790 | 0.852 | 0.852 | 0.845 | 0.821 | 0.386 | 0.907 | 0.907 |
| 8 | 0.907 | 0.884 | 0.841 | 0.438 | 0.811 | 0.852 | 0.852 | 0.844 | 0.820 | 0.386 | 0.907 | 0.907 |
| 9 | 0.907 | 0.882 | 0.839 | 0.438 | 0.831 | 0.852 | 0.852 | 0.843 | 0.820 | 0.386 | 0.907 | 0.907 |
| 10 | 0.907 | 0.881 | 0.838 | 0.438 | 0.852 | 0.852 | 0.852 | 0.843 | 0.819 | 0.386 | 0.907 | 0.907 |
| 11 | 0.907 | 0.879 | 0.836 | 0.438 | 0.852 | 0.852 | 0.852 | 0.842 | 0.818 | 0.386 | 0.907 | 0.907 |
| 12 | 0.907 | 0.878 | 0.834 | 0.438 | 0.852 | 0.852 | 0.852 | 0.841 | 0.817 | 0.386 | 0.907 | 0.907 |
| 13 | 0.907 | 0.876 | 0.833 | 0.438 | 0.852 | 0.852 | 0.852 | 0.840 | 0.817 | 0.386 | 0.907 | 0.907 |
| 14 | 0.907 | 0.874 | 0.831 | 0.438 | 0.852 | 0.852 | 0.852 | 0.840 | 0.816 | 0.407 | 0.907 | 0.907 |
| 15 | 0.907 | 0.873 | 0.830 | 0.438 | 0.852 | 0.852 | 0.852 | 0.839 | 0.815 | 0.427 | 0.907 | 0.907 |
| 16 | 0.907 | 0.871 | 0.828 | 0.438 | 0.852 | 0.852 | 0.852 | 0.838 | 0.814 | 0.448 | 0.907 | 0.907 |
| 17 | 0.907 | 0.870 | 0.827 | 0.438 | 0.852 | 0.852 | 0.852 | 0.837 | 0.813 | 0.469 | 0.907 | 0.907 |
| 18 | 0.907 | 0.868 | 0.825 | 0.438 | 0.852 | 0.852 | 0.852 | 0.837 | 0.813 | 0.490 | 0.907 | 0.907 |
| 19 | 0.907 | 0.867 | 0.824 | 0.438 | 0.852 | 0.852 | 0.852 | 0.836 | 0.812 | 0.511 | 0.907 | 0.907 |
| 20 | 0.907 | 0.865 | 0.822 | 0.438 | 0.852 | 0.852 | 0.852 | 0.835 | 0.811 | 0.532 | 0.907 | 0.907 |
| 21 | 0.907 | 0.864 | 0.821 | 0.459 | 0.852 | 0.852 | 0.852 | 0.834 | 0.810 | 0.553 | 0.907 | 0.907 |
| 22 | 0.907 | 0.862 | 0.819 | 0.480 | 0.852 | 0.852 | 0.852 | 0.833 | 0.810 | 0.573 | 0.907 | 0.907 |
| 23 | 0.907 | 0.861 | 0.818 | 0.500 | 0.852 | 0.852 | 0.852 | 0.833 | 0.809 | 0.594 | 0.907 | 0.907 |
| 24 | 0.907 | 0.859 | 0.816 | 0.521 | 0.852 | 0.852 | 0.852 | 0.832 | 0.808 | 0.615 | 0.907 | 0.907 |
| 25 | 0.905 | 0.858 | 0.814 | 0.542 | 0.852 | 0.852 | 0.852 | 0.831 | 0.807 | 0.636 | 0.907 | 0.907 |
| 26 | 0.904 | 0.856 | 0.813 | 0.562 | 0.852 | 0.852 | 0.852 | 0.830 | 0.807 | 0.657 | 0.907 | 0.907 |
| 27 | 0.902 | 0.854 | 0.811 | 0.583 | 0.852 | 0.852 | 0.852 | 0.830 | 0.806 | 0.678 | 0.907 | 0.907 |
| 28 | 0.901 | 0.853 | 0.810 | 0.604 | 0.852 | 0.852 | 0.852 | 0.829 | 0.805 | 0.698 | 0.907 | 0.907 |
| 29 | 0.899 | | 0.808 | 0.624 | 0.852 | 0.852 | 0.852 | 0.828 | 0.804 | 0.719 | 0.907 | 0.907 |
| 30 | 0.898 | | 0.000 | 0.645 | 0.852 | 0.852 | 0.851 | 0.827 | 0.803 | 0.740 | 0.907 | 0.907 |
| 31 | 0.896 | | 0.000 | | 0.852 | | 0.850 | 0.827 | | 0.761 | | 0.907 |

ET calculations for Sheet Q: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Citrus-9a young, 1 to 2 meter size)

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Citrus- young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.05 | 0.07 | 0.05 | 0.07 | 0.07 | 0.13 | 0.11 | 0.11 | 0.07 | 0.05 | 0.04 | |
| 2 | 0.05 | 0.06 | 0.07 | 0.06 | 0.09 | 0.10 | 0.13 | 0.09 | 0.10 | 0.08 | 0.06 | 0.05 | |
| 3 | 0.06 | 0.05 | 0.08 | 0.06 | 0.09 | 0.11 | 0.13 | 0.10 | 0.08 | 0.07 | 0.06 | 0.07 | |
| 4 | 0.05 | -0.13 | 0.07 | 0.07 | 0.09 | 0.10 | 0.11 | 0.10 | 0.08 | 0.07 | 0.05 | 0.05 | |
| 5 | 0.04 | -0.04 | 0.05 | 0.06 | 0.09 | 0.08 | 0.10 | 0.11 | 0.08 | 0.08 | 0.04 | 0.04 | |
| 6 | 0.04 | 0.03 | 0.06 | 0.07 | 0.10 | 0.10 | 0.12 | 0.11 | 0.08 | 0.11 | 0.04 | 0.04 | |
| 7 | 0.04 | 0.03 | 0.06 | 0.06 | 0.10 | 0.11 | 0.08 | 0.11 | 0.09 | 0.09 | 0.04 | 0.04 | |
| 8 | 0.06 | 0.04 | 0.05 | 0.07 | 0.11 | 0.12 | 0.08 | 0.10 | 0.09 | 0.08 | 0.05 | 0.06 | |
| 9 | 0.07 | 0.04 | 0.06 | 0.08 | 0.10 | 0.11 | 0.10 | 0.11 | 0.06 | 0.08 | 0.04 | 0.03 | |
| 10 | 0.05 | 0.07 | 0.06 | 0.07 | 0.09 | 0.10 | 0.10 | 0.12 | 0.08 | 0.08 | 0.04 | 0.03 | |
| 11 | 0.03 | 0.07 | 0.07 | 0.08 | 0.09 | 0.10 | 0.11 | 0.09 | 0.09 | 0.07 | 0.05 | 0.07 | |
| 12 | 0.04 | 0.08 | 0.07 | 0.04 | 0.10 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.06 | 0.04 | |
| 13 | 0.04 | 0.07 | 0.06 | 0.07 | 0.11 | 0.10 | 0.09 | 0.10 | 0.08 | 0.07 | 0.06 | 0.03 | |
| 14 | 0.06 | 0.05 | 0.06 | 0.09 | 0.10 | 0.12 | 0.10 | 0.11 | 0.09 | 0.07 | 0.05 | 0.05 | |
| 15 | 0.04 | 0.06 | 0.08 | 0.11 | 0.10 | 0.13 | 0.11 | 0.10 | 0.10 | 0.06 | 0.05 | 0.05 | |
| 16 | 0.04 | 0.04 | 0.07 | 0.10 | 0.10 | 0.12 | 0.11 | 0.09 | 0.10 | 0.09 | 0.05 | 0.04 | |
| 17 | 0.03 | 0.05 | 0.06 | 0.09 | 0.10 | 0.12 | 0.11 | 0.10 | 0.10 | 0.12 | 0.06 | 0.05 | |
| 18 | 0.03 | 0.04 | 0.06 | 0.09 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.08 | 0.04 | 0.05 | |
| 19 | 0.03 | 0.05 | 0.06 | 0.10 | 0.12 | 0.10 | 0.11 | 0.07 | 0.10 | 0.07 | 0.04 | 0.07 | |
| 20 | 0.05 | 0.08 | 0.08 | 0.13 | 0.10 | 0.11 | 0.13 | 0.09 | 0.08 | 0.09 | 0.04 | 0.06 | |
| 21 | 0.07 | 0.06 | 0.07 | 0.11 | 0.10 | 0.14 | 0.12 | 0.09 | 0.04 | 0.07 | 0.04 | 0.05 | |
| 22 | 0.05 | 0.09 | 0.07 | 0.11 | 0.09 | 0.12 | 0.11 | 0.10 | 0.08 | 0.07 | 0.07 | 0.08 | |
| 23 | 0.04 | 0.07 | 0.07 | 0.08 | 0.08 | 0.11 | 0.12 | 0.08 | 0.05 | 0.06 | 0.05 | 0.07 | |
| 24 | 0.04 | 0.05 | 0.06 | 0.07 | 0.09 | 0.11 | 0.12 | 0.09 | 0.07 | 0.05 | 0.05 | 0.06 | |
| 25 | 0.03 | 0.07 | 0.05 | 0.08 | 0.10 | 0.13 | 0.12 | 0.10 | 0.07 | 0.06 | 0.05 | 0.05 | |
| 26 | 0.03 | 0.06 | 0.06 | 0.09 | 0.10 | 0.12 | 0.11 | 0.10 | 0.08 | 0.06 | 0.04 | 0.05 | |
| 27 | 0.03 | 0.05 | 0.07 | 0.10 | 0.11 | 0.11 | 0.08 | 0.11 | 0.09 | 0.05 | 0.03 | 0.05 | |
| 28 | 0.06 | 0.06 | 0.06 | 0.11 | 0.11 | 0.13 | 0.07 | 0.09 | 0.13 | 0.05 | 0.04 | 0.05 | |
| 29 | 0.04 | | 0.07 | 0.07 | 0.12 | 0.11 | 0.07 | 0.07 | 0.13 | 0.09 | 0.04 | 0.03 | |
| 30 | 0.04 | | 0.09 | 0.04 | 0.10 | 0.12 | 0.10 | 0.10 | 0.08 | 0.10 | 0.04 | 0.04 | |
| 31 | 0.05 | | 0.09 | | 0.11 | | 0.12 | 0.09 | | 0.07 | | 0.04 | |

(Daily Kc values)

Sheet Q: Page 2 of 2

1999 CROP ET

Citrus- young

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.425 | 0.409 | 0.393 | 0.376 | 0.360 | 0.342 | 0.342 | 0.342 | 0.342 | 0.362 | 0.388 | 0.413 |
| 2 | 0.425 | 0.408 | 0.393 | 0.376 | 0.359 | 0.342 | 0.342 | 0.342 | 0.342 | 0.363 | 0.389 | 0.414 |
| 3 | 0.424 | 0.407 | 0.392 | 0.375 | 0.359 | 0.342 | 0.342 | 0.342 | 0.342 | 0.364 | 0.390 | 0.415 |
| 4 | 0.424 | 0.407 | 0.392 | 0.375 | 0.358 | 0.342 | 0.342 | 0.342 | 0.342 | 0.365 | 0.391 | 0.416 |
| 5 | 0.423 | 0.406 | 0.391 | 0.374 | 0.358 | 0.342 | 0.342 | 0.342 | 0.342 | 0.366 | 0.392 | 0.417 |
| 6 | 0.423 | 0.406 | 0.391 | 0.374 | 0.357 | 0.342 | 0.342 | 0.342 | 0.342 | 0.366 | 0.392 | 0.418 |
| 7 | 0.422 | 0.405 | 0.390 | 0.373 | 0.357 | 0.342 | 0.342 | 0.342 | 0.342 | 0.367 | 0.393 | 0.418 |
| 8 | 0.422 | 0.405 | 0.389 | 0.373 | 0.356 | 0.342 | 0.342 | 0.342 | 0.343 | 0.368 | 0.394 | 0.419 |
| 9 | 0.421 | 0.404 | 0.389 | 0.372 | 0.356 | 0.342 | 0.342 | 0.342 | 0.344 | 0.369 | 0.395 | 0.420 |
| 10 | 0.421 | 0.404 | 0.388 | 0.371 | 0.355 | 0.342 | 0.342 | 0.342 | 0.345 | 0.370 | 0.396 | 0.421 |
| 11 | 0.420 | 0.403 | 0.388 | 0.371 | 0.355 | 0.342 | 0.342 | 0.342 | 0.345 | 0.371 | 0.397 | 0.422 |
| 12 | 0.419 | 0.403 | 0.387 | 0.370 | 0.354 | 0.342 | 0.342 | 0.342 | 0.346 | 0.371 | 0.397 | 0.423 |
| 13 | 0.419 | 0.402 | 0.387 | 0.370 | 0.353 | 0.342 | 0.342 | 0.342 | 0.347 | 0.372 | 0.398 | 0.423 |
| 14 | 0.418 | 0.401 | 0.386 | 0.369 | 0.353 | 0.342 | 0.342 | 0.342 | 0.348 | 0.373 | 0.399 | 0.424 |
| 15 | 0.418 | 0.401 | 0.386 | 0.369 | 0.352 | 0.342 | 0.342 | 0.342 | 0.349 | 0.374 | 0.400 | 0.425 |
| 16 | 0.417 | 0.400 | 0.385 | 0.368 | 0.352 | 0.342 | 0.342 | 0.342 | 0.350 | 0.375 | 0.401 | 0.426 |
| 17 | 0.417 | 0.400 | 0.385 | 0.368 | 0.351 | 0.342 | 0.342 | 0.342 | 0.350 | 0.376 | 0.402 | 0.427 |
| 18 | 0.416 | 0.399 | 0.384 | 0.367 | 0.351 | 0.342 | 0.342 | 0.342 | 0.351 | 0.376 | 0.402 | 0.428 |
| 19 | 0.416 | 0.399 | 0.383 | 0.367 | 0.350 | 0.342 | 0.342 | 0.342 | 0.352 | 0.377 | 0.403 | 0.429 |
| 20 | 0.415 | 0.398 | 0.383 | 0.366 | 0.350 | 0.342 | 0.342 | 0.342 | 0.353 | 0.378 | 0.404 | 0.429 |
| 21 | 0.415 | 0.398 | 0.382 | 0.365 | 0.349 | 0.342 | 0.342 | 0.342 | 0.354 | 0.379 | 0.405 | 0.430 |
| 22 | 0.414 | 0.397 | 0.382 | 0.365 | 0.349 | 0.342 | 0.342 | 0.342 | 0.355 | 0.380 | 0.406 | 0.431 |
| 23 | 0.413 | 0.397 | 0.381 | 0.364 | 0.348 | 0.342 | 0.342 | 0.342 | 0.355 | 0.381 | 0.407 | 0.432 |
| 24 | 0.413 | 0.396 | 0.381 | 0.364 | 0.347 | 0.342 | 0.342 | 0.342 | 0.356 | 0.381 | 0.408 | 0.433 |
| 25 | 0.412 | 0.395 | 0.380 | 0.363 | 0.347 | 0.342 | 0.342 | 0.342 | 0.357 | 0.382 | 0.408 | 0.434 |
| 26 | 0.412 | 0.395 | 0.380 | 0.363 | 0.346 | 0.342 | 0.342 | 0.342 | 0.358 | 0.383 | 0.409 | 0.434 |
| 27 | 0.411 | 0.394 | 0.379 | 0.362 | 0.346 | 0.342 | 0.342 | 0.342 | 0.359 | 0.384 | 0.410 | 0.435 |
| 28 | 0.411 | 0.394 | 0.379 | 0.362 | 0.345 | 0.342 | 0.342 | 0.342 | 0.360 | 0.385 | 0.411 | 0.436 |
| 29 | 0.410 | | 0.378 | 0.361 | 0.345 | 0.342 | 0.342 | 0.342 | 0.360 | 0.386 | 0.412 | 0.437 |
| 30 | 0.410 | | 0.377 | 0.361 | 0.344 | 0.342 | 0.342 | 0.342 | 0.361 | 0.387 | 0.413 | 0.438 |
| 31 | 0.409 | | 0.377 | | 0.342 | | 0.342 | 0.342 | | 0.387 | | 0.439 |

ET calculations for
 Yuma Area - Average of 3 Local AZMET Stations
 (Sheet to calculate ET for Citrus-9b mature, 3+ meter size)

1999 CROP ET

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Citrus- mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.09 | 0.09 | 0.11 | 0.08 | 0.12 | 0.12 | 0.21 | 0.18 | 0.19 | 0.11 | 0.09 | 0.07 | |
| 2 | 0.08 | 0.10 | 0.12 | 0.10 | 0.16 | 0.16 | 0.21 | 0.16 | 0.17 | 0.13 | 0.10 | 0.08 | |
| 3 | 0.11 | 0.08 | 0.14 | 0.10 | 0.15 | 0.18 | 0.21 | 0.17 | 0.13 | 0.11 | 0.10 | 0.11 | |
| 4 | 0.08 | -0.12 | 0.11 | 0.11 | 0.15 | 0.16 | 0.18 | 0.17 | 0.14 | 0.12 | 0.09 | 0.09 | |
| 5 | 0.07 | -0.02 | 0.09 | 0.11 | 0.15 | 0.14 | 0.17 | 0.18 | 0.13 | 0.14 | 0.07 | 0.07 | |
| 6 | 0.07 | 0.04 | 0.11 | 0.12 | 0.16 | 0.17 | 0.20 | 0.18 | 0.14 | 0.18 | 0.07 | 0.07 | |
| 7 | 0.06 | 0.06 | 0.10 | 0.11 | 0.17 | 0.18 | 0.13 | 0.18 | 0.15 | 0.15 | 0.07 | 0.06 | |
| 8 | 0.10 | 0.06 | 0.08 | 0.11 | 0.19 | 0.20 | 0.14 | 0.17 | 0.15 | 0.14 | 0.08 | 0.09 | |
| 9 | 0.11 | 0.07 | 0.10 | 0.14 | 0.16 | 0.18 | 0.16 | 0.19 | 0.10 | 0.13 | 0.07 | 0.05 | |
| 10 | 0.09 | 0.12 | 0.09 | 0.12 | 0.15 | 0.16 | 0.17 | 0.20 | 0.14 | 0.13 | 0.07 | 0.06 | |
| 11 | 0.06 | 0.11 | 0.12 | 0.13 | 0.15 | 0.16 | 0.18 | 0.16 | 0.15 | 0.11 | 0.08 | 0.12 | |
| 12 | 0.06 | 0.14 | 0.12 | 0.07 | 0.17 | 0.17 | 0.13 | 0.15 | 0.13 | 0.13 | 0.10 | 0.06 | |
| 13 | 0.07 | 0.11 | 0.09 | 0.11 | 0.19 | 0.17 | 0.15 | 0.17 | 0.13 | 0.12 | 0.09 | 0.05 | |
| 14 | 0.11 | 0.08 | 0.10 | 0.15 | 0.16 | 0.19 | 0.17 | 0.18 | 0.15 | 0.11 | 0.09 | 0.09 | |
| 15 | 0.07 | 0.11 | 0.13 | 0.19 | 0.17 | 0.21 | 0.18 | 0.17 | 0.17 | 0.10 | 0.09 | 0.08 | |
| 16 | 0.06 | 0.07 | 0.11 | 0.16 | 0.16 | 0.19 | 0.18 | 0.15 | 0.17 | 0.15 | 0.08 | 0.07 | |
| 17 | 0.05 | 0.08 | 0.10 | 0.16 | 0.16 | 0.19 | 0.19 | 0.17 | 0.17 | 0.19 | 0.10 | 0.08 | |
| 18 | 0.05 | 0.07 | 0.10 | 0.16 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.13 | 0.07 | 0.08 | |
| 19 | 0.06 | 0.09 | 0.11 | 0.17 | 0.20 | 0.17 | 0.18 | 0.12 | 0.17 | 0.12 | 0.07 | 0.11 | |
| 20 | 0.08 | 0.13 | 0.14 | 0.22 | 0.17 | 0.18 | 0.22 | 0.15 | 0.14 | 0.15 | 0.07 | 0.10 | |
| 21 | 0.11 | 0.10 | 0.12 | 0.18 | 0.17 | 0.23 | 0.19 | 0.15 | 0.06 | 0.12 | 0.07 | 0.08 | |
| 22 | 0.08 | 0.15 | 0.11 | 0.18 | 0.15 | 0.20 | 0.18 | 0.16 | 0.13 | 0.11 | 0.11 | 0.13 | |
| 23 | 0.06 | 0.11 | 0.12 | 0.13 | 0.14 | 0.19 | 0.20 | 0.14 | 0.09 | 0.10 | 0.08 | 0.12 | |
| 24 | 0.06 | 0.09 | 0.10 | 0.12 | 0.15 | 0.18 | 0.19 | 0.15 | 0.12 | 0.09 | 0.08 | 0.10 | |
| 25 | 0.05 | 0.12 | 0.09 | 0.13 | 0.17 | 0.22 | 0.20 | 0.17 | 0.12 | 0.10 | 0.08 | 0.08 | |
| 26 | 0.06 | 0.10 | 0.10 | 0.15 | 0.17 | 0.20 | 0.18 | 0.17 | 0.13 | 0.09 | 0.07 | 0.08 | |
| 27 | 0.05 | 0.09 | 0.11 | 0.17 | 0.18 | 0.18 | 0.13 | 0.18 | 0.15 | 0.09 | 0.05 | 0.09 | |
| 28 | 0.10 | 0.10 | 0.11 | 0.19 | 0.18 | 0.21 | 0.12 | 0.15 | 0.21 | 0.09 | 0.06 | 0.08 | |
| 29 | 0.07 | | 0.12 | 0.11 | 0.20 | 0.19 | 0.12 | 0.12 | 0.22 | 0.15 | 0.07 | 0.05 | |
| 30 | 0.07 | | 0.15 | 0.07 | 0.17 | 0.20 | 0.17 | 0.17 | 0.14 | 0.16 | 0.07 | 0.07 | |
| 31 | 0.08 | | 0.15 | | 0.18 | | 0.19 | 0.16 | | 0.11 | | 0.07 | |

(Daily Kc values)
Citrus- mature

Sheet R: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.709 | 0.681 | 0.655 | 0.627 | 0.600 | 0.570 | 0.570 | 0.570 | 0.570 | 0.604 | 0.647 | 0.689 |
| 2 | 0.708 | 0.680 | 0.655 | 0.626 | 0.599 | 0.570 | 0.570 | 0.570 | 0.570 | 0.605 | 0.648 | 0.690 |
| 3 | 0.707 | 0.679 | 0.654 | 0.625 | 0.598 | 0.570 | 0.570 | 0.570 | 0.570 | 0.606 | 0.650 | 0.692 |
| 4 | 0.706 | 0.678 | 0.653 | 0.625 | 0.597 | 0.570 | 0.570 | 0.570 | 0.570 | 0.608 | 0.651 | 0.693 |
| 5 | 0.705 | 0.677 | 0.652 | 0.624 | 0.596 | 0.570 | 0.570 | 0.570 | 0.570 | 0.609 | 0.653 | 0.695 |
| 6 | 0.705 | 0.676 | 0.651 | 0.623 | 0.595 | 0.570 | 0.570 | 0.570 | 0.570 | 0.611 | 0.654 | 0.696 |
| 7 | 0.704 | 0.675 | 0.650 | 0.622 | 0.595 | 0.570 | 0.570 | 0.570 | 0.570 | 0.612 | 0.655 | 0.697 |
| 8 | 0.703 | 0.675 | 0.649 | 0.621 | 0.594 | 0.570 | 0.570 | 0.570 | 0.571 | 0.613 | 0.657 | 0.699 |
| 9 | 0.702 | 0.674 | 0.648 | 0.620 | 0.593 | 0.570 | 0.570 | 0.570 | 0.573 | 0.615 | 0.658 | 0.700 |
| 10 | 0.701 | 0.673 | 0.647 | 0.619 | 0.592 | 0.570 | 0.570 | 0.570 | 0.574 | 0.616 | 0.660 | 0.702 |
| 11 | 0.700 | 0.672 | 0.646 | 0.618 | 0.591 | 0.570 | 0.570 | 0.570 | 0.576 | 0.618 | 0.661 | 0.703 |
| 12 | 0.699 | 0.671 | 0.645 | 0.617 | 0.590 | 0.570 | 0.570 | 0.570 | 0.577 | 0.619 | 0.662 | 0.704 |
| 13 | 0.698 | 0.670 | 0.645 | 0.616 | 0.589 | 0.570 | 0.570 | 0.570 | 0.578 | 0.620 | 0.664 | 0.706 |
| 14 | 0.697 | 0.669 | 0.644 | 0.615 | 0.588 | 0.570 | 0.570 | 0.570 | 0.580 | 0.622 | 0.665 | 0.707 |
| 15 | 0.696 | 0.668 | 0.643 | 0.615 | 0.587 | 0.570 | 0.570 | 0.570 | 0.581 | 0.623 | 0.667 | 0.709 |
| 16 | 0.695 | 0.667 | 0.642 | 0.614 | 0.586 | 0.570 | 0.570 | 0.570 | 0.583 | 0.625 | 0.668 | 0.710 |
| 17 | 0.695 | 0.666 | 0.641 | 0.613 | 0.585 | 0.570 | 0.570 | 0.570 | 0.584 | 0.626 | 0.669 | 0.711 |
| 18 | 0.694 | 0.665 | 0.640 | 0.612 | 0.585 | 0.570 | 0.570 | 0.570 | 0.585 | 0.627 | 0.671 | 0.713 |
| 19 | 0.693 | 0.665 | 0.639 | 0.611 | 0.584 | 0.570 | 0.570 | 0.570 | 0.587 | 0.629 | 0.672 | 0.714 |
| 20 | 0.692 | 0.664 | 0.638 | 0.610 | 0.583 | 0.570 | 0.570 | 0.570 | 0.588 | 0.630 | 0.674 | 0.716 |
| 21 | 0.691 | 0.663 | 0.637 | 0.609 | 0.582 | 0.570 | 0.570 | 0.570 | 0.590 | 0.632 | 0.675 | 0.717 |
| 22 | 0.690 | 0.662 | 0.636 | 0.608 | 0.581 | 0.570 | 0.570 | 0.570 | 0.591 | 0.633 | 0.676 | 0.718 |
| 23 | 0.689 | 0.661 | 0.635 | 0.607 | 0.580 | 0.570 | 0.570 | 0.570 | 0.592 | 0.634 | 0.678 | 0.720 |
| 24 | 0.688 | 0.660 | 0.635 | 0.606 | 0.579 | 0.570 | 0.570 | 0.570 | 0.594 | 0.636 | 0.679 | 0.721 |
| 25 | 0.687 | 0.659 | 0.634 | 0.605 | 0.578 | 0.570 | 0.570 | 0.570 | 0.595 | 0.637 | 0.681 | 0.723 |
| 26 | 0.686 | 0.658 | 0.633 | 0.605 | 0.577 | 0.570 | 0.570 | 0.570 | 0.597 | 0.639 | 0.682 | 0.724 |
| 27 | 0.685 | 0.657 | 0.632 | 0.604 | 0.576 | 0.570 | 0.570 | 0.570 | 0.598 | 0.640 | 0.683 | 0.725 |
| 28 | 0.685 | 0.656 | 0.631 | 0.603 | 0.575 | 0.570 | 0.570 | 0.570 | 0.599 | 0.641 | 0.685 | 0.727 |
| 29 | 0.684 | | 0.630 | 0.602 | 0.575 | 0.570 | 0.570 | 0.570 | 0.601 | 0.643 | 0.686 | 0.728 |
| 30 | 0.683 | | 0.629 | 0.601 | 0.574 | 0.570 | 0.570 | 0.570 | 0.602 | 0.644 | 0.688 | 0.730 |
| 31 | 0.682 | | 0.628 | | 0.570 | | 0.570 | 0.570 | | 0.646 | | 0.731 |

ET calculations for
 Yuma Area - Average of 3 Local AZMET Stations
 (Sheet to calculate ET for Citrus-9c declining)

Sheet S: Page 1 of 2
 1999 CROP ET

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Citrus- declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.06 | 0.06 | 0.08 | 0.05 | 0.08 | 0.08 | 0.15 | 0.13 | 0.13 | 0.08 | 0.06 | 0.05 | |
| 2 | 0.06 | 0.07 | 0.08 | 0.07 | 0.11 | 0.11 | 0.15 | 0.11 | 0.12 | 0.09 | 0.07 | 0.06 | |
| 3 | 0.08 | 0.05 | 0.10 | 0.07 | 0.10 | 0.12 | 0.15 | 0.12 | 0.09 | 0.08 | 0.07 | 0.08 | |
| 4 | 0.05 | -0.13 | 0.08 | 0.08 | 0.10 | 0.12 | 0.12 | 0.12 | 0.09 | 0.09 | 0.06 | 0.06 | |
| 5 | 0.05 | -0.03 | 0.06 | 0.07 | 0.11 | 0.10 | 0.12 | 0.13 | 0.09 | 0.10 | 0.05 | 0.05 | |
| 6 | 0.05 | 0.03 | 0.07 | 0.08 | 0.11 | 0.12 | 0.14 | 0.13 | 0.10 | 0.13 | 0.05 | 0.05 | |
| 7 | 0.04 | 0.04 | 0.07 | 0.08 | 0.12 | 0.13 | 0.09 | 0.12 | 0.10 | 0.11 | 0.05 | 0.04 | |
| 8 | 0.07 | 0.04 | 0.06 | 0.08 | 0.13 | 0.14 | 0.10 | 0.12 | 0.10 | 0.10 | 0.06 | 0.07 | |
| 9 | 0.08 | 0.05 | 0.07 | 0.10 | 0.11 | 0.12 | 0.11 | 0.13 | 0.07 | 0.09 | 0.05 | 0.04 | |
| 10 | 0.06 | 0.09 | 0.07 | 0.08 | 0.10 | 0.11 | 0.12 | 0.14 | 0.10 | 0.09 | 0.05 | 0.04 | |
| 11 | 0.04 | 0.08 | 0.08 | 0.09 | 0.10 | 0.11 | 0.13 | 0.11 | 0.10 | 0.08 | 0.06 | 0.09 | |
| 12 | 0.04 | 0.10 | 0.08 | 0.05 | 0.12 | 0.12 | 0.09 | 0.11 | 0.09 | 0.09 | 0.07 | 0.04 | |
| 13 | 0.05 | 0.08 | 0.07 | 0.08 | 0.13 | 0.12 | 0.11 | 0.12 | 0.09 | 0.09 | 0.06 | 0.04 | |
| 14 | 0.08 | 0.06 | 0.07 | 0.10 | 0.11 | 0.13 | 0.12 | 0.12 | 0.11 | 0.08 | 0.06 | 0.06 | |
| 15 | 0.05 | 0.07 | 0.09 | 0.13 | 0.12 | 0.15 | 0.13 | 0.12 | 0.12 | 0.07 | 0.06 | 0.06 | |
| 16 | 0.04 | 0.05 | 0.08 | 0.11 | 0.12 | 0.13 | 0.13 | 0.10 | 0.12 | 0.11 | 0.05 | 0.05 | |
| 17 | 0.04 | 0.06 | 0.07 | 0.11 | 0.11 | 0.14 | 0.13 | 0.12 | 0.12 | 0.14 | 0.07 | 0.05 | |
| 18 | 0.04 | 0.05 | 0.07 | 0.11 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.09 | 0.05 | 0.05 | |
| 19 | 0.04 | 0.06 | 0.08 | 0.12 | 0.14 | 0.12 | 0.12 | 0.09 | 0.12 | 0.08 | 0.05 | 0.08 | |
| 20 | 0.06 | 0.09 | 0.10 | 0.15 | 0.12 | 0.13 | 0.15 | 0.11 | 0.10 | 0.10 | 0.05 | 0.07 | |
| 21 | 0.08 | 0.07 | 0.09 | 0.13 | 0.12 | 0.16 | 0.13 | 0.11 | 0.04 | 0.09 | 0.05 | 0.06 | |
| 22 | 0.06 | 0.10 | 0.08 | 0.12 | 0.11 | 0.14 | 0.12 | 0.12 | 0.09 | 0.08 | 0.08 | 0.09 | |
| 23 | 0.04 | 0.08 | 0.09 | 0.09 | 0.10 | 0.13 | 0.14 | 0.10 | 0.06 | 0.07 | 0.05 | 0.09 | |
| 24 | 0.04 | 0.06 | 0.07 | 0.08 | 0.11 | 0.12 | 0.13 | 0.10 | 0.08 | 0.06 | 0.06 | 0.07 | |
| 25 | 0.04 | 0.08 | 0.06 | 0.09 | 0.12 | 0.16 | 0.14 | 0.12 | 0.08 | 0.07 | 0.06 | 0.05 | |
| 26 | 0.04 | 0.07 | 0.07 | 0.10 | 0.12 | 0.14 | 0.12 | 0.12 | 0.09 | 0.07 | 0.05 | 0.06 | |
| 27 | 0.04 | 0.06 | 0.08 | 0.12 | 0.12 | 0.13 | 0.09 | 0.12 | 0.11 | 0.06 | 0.04 | 0.06 | |
| 28 | 0.07 | 0.07 | 0.07 | 0.13 | 0.13 | 0.15 | 0.08 | 0.10 | 0.15 | 0.06 | 0.05 | 0.05 | |
| 29 | 0.05 | | 0.08 | 0.08 | 0.14 | 0.13 | 0.09 | 0.08 | 0.15 | 0.10 | 0.05 | 0.04 | |
| 30 | 0.05 | | 0.10 | 0.05 | 0.12 | 0.14 | 0.12 | 0.12 | 0.10 | 0.11 | 0.05 | 0.05 | |
| 31 | 0.06 | | 0.11 | | 0.12 | | 0.14 | 0.11 | | 0.08 | | 0.05 | |

(Daily Kc values)
Citrus- declining

Sheet S: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.496 | 0.477 | 0.459 | 0.439 | 0.420 | 0.399 | 0.399 | 0.399 | 0.399 | 0.423 | 0.453 | 0.482 |
| 2 | 0.496 | 0.476 | 0.458 | 0.438 | 0.419 | 0.399 | 0.399 | 0.399 | 0.399 | 0.424 | 0.454 | 0.483 |
| 3 | 0.495 | 0.475 | 0.458 | 0.438 | 0.419 | 0.399 | 0.399 | 0.399 | 0.399 | 0.424 | 0.455 | 0.484 |
| 4 | 0.494 | 0.475 | 0.457 | 0.437 | 0.418 | 0.399 | 0.399 | 0.399 | 0.399 | 0.425 | 0.456 | 0.485 |
| 5 | 0.494 | 0.474 | 0.456 | 0.437 | 0.417 | 0.399 | 0.399 | 0.399 | 0.399 | 0.426 | 0.457 | 0.486 |
| 6 | 0.493 | 0.473 | 0.456 | 0.436 | 0.417 | 0.399 | 0.399 | 0.399 | 0.399 | 0.427 | 0.458 | 0.487 |
| 7 | 0.493 | 0.473 | 0.455 | 0.435 | 0.416 | 0.399 | 0.399 | 0.399 | 0.399 | 0.428 | 0.459 | 0.488 |
| 8 | 0.492 | 0.472 | 0.454 | 0.435 | 0.416 | 0.399 | 0.399 | 0.399 | 0.400 | 0.429 | 0.460 | 0.489 |
| 9 | 0.491 | 0.472 | 0.454 | 0.434 | 0.415 | 0.399 | 0.399 | 0.399 | 0.401 | 0.430 | 0.461 | 0.490 |
| 10 | 0.491 | 0.471 | 0.453 | 0.433 | 0.414 | 0.399 | 0.399 | 0.399 | 0.402 | 0.431 | 0.462 | 0.491 |
| 11 | 0.490 | 0.470 | 0.452 | 0.433 | 0.414 | 0.399 | 0.399 | 0.399 | 0.403 | 0.432 | 0.463 | 0.492 |
| 12 | 0.489 | 0.470 | 0.452 | 0.432 | 0.413 | 0.399 | 0.399 | 0.399 | 0.404 | 0.433 | 0.464 | 0.493 |
| 13 | 0.489 | 0.469 | 0.451 | 0.431 | 0.412 | 0.399 | 0.399 | 0.399 | 0.405 | 0.434 | 0.465 | 0.494 |
| 14 | 0.488 | 0.468 | 0.451 | 0.431 | 0.412 | 0.399 | 0.399 | 0.399 | 0.406 | 0.435 | 0.466 | 0.495 |
| 15 | 0.487 | 0.468 | 0.450 | 0.430 | 0.411 | 0.399 | 0.399 | 0.399 | 0.407 | 0.436 | 0.467 | 0.496 |
| 16 | 0.487 | 0.467 | 0.449 | 0.430 | 0.410 | 0.399 | 0.399 | 0.399 | 0.408 | 0.437 | 0.468 | 0.497 |
| 17 | 0.486 | 0.466 | 0.449 | 0.429 | 0.410 | 0.399 | 0.399 | 0.399 | 0.409 | 0.438 | 0.469 | 0.498 |
| 18 | 0.486 | 0.466 | 0.448 | 0.428 | 0.409 | 0.399 | 0.399 | 0.399 | 0.410 | 0.439 | 0.470 | 0.499 |
| 19 | 0.485 | 0.465 | 0.447 | 0.428 | 0.409 | 0.399 | 0.399 | 0.399 | 0.411 | 0.440 | 0.471 | 0.500 |
| 20 | 0.484 | 0.465 | 0.447 | 0.427 | 0.408 | 0.399 | 0.399 | 0.399 | 0.412 | 0.441 | 0.472 | 0.501 |
| 21 | 0.484 | 0.464 | 0.446 | 0.426 | 0.407 | 0.399 | 0.399 | 0.399 | 0.413 | 0.442 | 0.473 | 0.502 |
| 22 | 0.483 | 0.463 | 0.445 | 0.426 | 0.407 | 0.399 | 0.399 | 0.399 | 0.414 | 0.443 | 0.473 | 0.503 |
| 23 | 0.482 | 0.463 | 0.445 | 0.425 | 0.406 | 0.399 | 0.399 | 0.399 | 0.415 | 0.444 | 0.474 | 0.504 |
| 24 | 0.482 | 0.462 | 0.444 | 0.424 | 0.405 | 0.399 | 0.399 | 0.399 | 0.416 | 0.445 | 0.475 | 0.505 |
| 25 | 0.481 | 0.461 | 0.444 | 0.424 | 0.405 | 0.399 | 0.399 | 0.399 | 0.417 | 0.446 | 0.476 | 0.506 |
| 26 | 0.480 | 0.461 | 0.443 | 0.423 | 0.404 | 0.399 | 0.399 | 0.399 | 0.418 | 0.447 | 0.477 | 0.507 |
| 27 | 0.480 | 0.460 | 0.442 | 0.423 | 0.403 | 0.399 | 0.399 | 0.399 | 0.419 | 0.448 | 0.478 | 0.508 |
| 28 | 0.479 | 0.459 | 0.442 | 0.422 | 0.403 | 0.399 | 0.399 | 0.399 | 0.420 | 0.449 | 0.479 | 0.509 |
| 29 | 0.479 | | 0.441 | 0.421 | 0.402 | 0.399 | 0.399 | 0.399 | 0.421 | 0.450 | 0.480 | 0.510 |
| 30 | 0.478 | | 0.440 | 0.421 | 0.402 | 0.399 | 0.399 | 0.399 | 0.422 | 0.451 | 0.481 | 0.511 |
| 31 | 0.477 | | 0.440 | | 0.399 | | 0.399 | 0.399 | | 0.452 | | 0.512 |

ET calculations for Sheet T: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Tomatoes)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.06 | 0.08 | 0.13 | 0.24 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.06 | 0.08 | 0.18 | 0.31 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.05 | 0.10 | 0.19 | 0.30 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | -0.13 | 0.08 | 0.20 | 0.30 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | -0.03 | 0.07 | 0.20 | 0.31 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.03 | 0.09 | 0.23 | 0.32 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.04 | 0.08 | 0.21 | 0.33 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.04 | 0.07 | 0.21 | 0.37 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.05 | 0.09 | 0.27 | 0.33 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.08 | 0.09 | 0.23 | 0.29 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.07 | 0.12 | 0.26 | 0.30 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.09 | 0.12 | 0.13 | 0.34 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.07 | 0.10 | 0.21 | 0.39 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.05 | 0.11 | 0.29 | 0.33 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.07 | 0.15 | 0.37 | 0.35 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.05 | 0.13 | 0.31 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.05 | 0.11 | 0.31 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.05 | 0.12 | 0.31 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.06 | 0.14 | 0.33 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.09 | 0.18 | 0.42 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.07 | 0.17 | 0.36 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.10 | 0.15 | 0.35 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.07 | 0.18 | 0.26 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.06 | 0.15 | 0.23 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.08 | 0.13 | 0.27 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.07 | 0.15 | 0.29 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.06 | 0.18 | 0.34 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.07 | 0.17 | 0.37 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.19 | 0.22 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.25 | 0.14 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.26 | | 0.30 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet T: Page 2 of 2

1999 CROP ET

Tomatoes

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.447 | 0.447 | 1.091 | 1.198 | 0.958 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.447 | 0.447 | 1.112 | 1.198 | 0.943 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.447 | 0.468 | 1.133 | 1.198 | 0.928 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.447 | 0.490 | 1.155 | 1.198 | 0.913 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.447 | 0.511 | 1.176 | 1.198 | 0.898 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.447 | 0.533 | 1.198 | 1.198 | 0.883 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.447 | 0.554 | 1.198 | 1.198 | 0.868 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.447 | 0.576 | 1.198 | 1.198 | 0.853 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.447 | 0.597 | 1.198 | 1.198 | 0.838 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.447 | 0.619 | 1.198 | 1.198 | 0.823 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.447 | 0.640 | 1.198 | 1.198 | 0.808 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.447 | 0.662 | 1.198 | 1.198 | 0.793 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.447 | 0.683 | 1.198 | 1.198 | 0.778 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.447 | 0.704 | 1.198 | 1.198 | 0.763 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.447 | 0.726 | 1.198 | 1.198 | 0.748 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.447 | 0.747 | 1.198 | 1.198 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.447 | 0.769 | 1.198 | 1.183 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.447 | 0.790 | 1.198 | 1.168 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.447 | 0.812 | 1.198 | 1.153 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.447 | 0.833 | 1.198 | 1.138 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.447 | 0.855 | 1.198 | 1.123 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.447 | 0.876 | 1.198 | 1.108 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.447 | 0.898 | 1.198 | 1.093 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.447 | 0.919 | 1.198 | 1.078 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.447 | 0.940 | 1.198 | 1.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.447 | 0.962 | 1.198 | 1.048 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.447 | 0.983 | 1.198 | 1.033 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.447 | 1.005 | 1.198 | 1.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 1.026 | 1.198 | 1.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 1.048 | 1.198 | 0.988 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 1.069 | | 0.973 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet U: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Sudan Grass)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|-------|-------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.03 | 0.11 | 0.24 | 0.41 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.04 | 0.15 | 0.32 | 0.42 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.04 | 0.15 | 0.34 | 0.41 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.04 | 0.16 | 0.32 | 0.35 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.04 | 0.18 | 0.27 | 0.34 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.05 | 0.19 | 0.33 | 0.39 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.04 | 0.21 | 0.36 | 0.25 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.04 | 0.24 | 0.38 | 0.27 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.05 | 0.22 | 0.34 | 0.32 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.05 | 0.20 | 0.32 | 0.34 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.05 | 0.21 | 0.32 | 0.36 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.03 | 0.25 | 0.32 | 0.26 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.04 | 0.29 | 0.33 | 0.30 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.06 | 0.26 | 0.38 | 0.33 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.08 | 0.28 | 0.41 | 0.36 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.06 | 0.28 | 0.38 | 0.36 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.06 | 0.28 | 0.38 | 0.37 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.06 | 0.33 | 0.36 | 0.35 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.07 | 0.37 | 0.34 | 0.35 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.09 | 0.32 | 0.36 | 0.43 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.08 | 0.33 | 0.45 | 0.38 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.09 | 0.29 | 0.38 | 0.35 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.07 | 0.27 | 0.37 | 0.39 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.07 | 0.29 | 0.35 | 0.38 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.09 | 0.33 | 0.44 | 0.39 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.10 | 0.33 | 0.39 | 0.35 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.13 | 0.34 | 0.35 | 0.26 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.15 | 0.36 | 0.41 | 0.23 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | 0.00 | 0.00 | 0.09 | 0.38 | 0.37 | 0.24 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | 0.00 | 0.00 | 0.06 | 0.33 | 0.40 | 0.32 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.38 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | |

Sudan

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.244 | 0.563 | 1.114 | 1.114 | 1.114 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.244 | 0.592 | 1.114 | 1.114 | 1.114 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.000 | 0.244 | 0.621 | 1.114 | 1.114 | 1.114 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.244 | 0.650 | 1.114 | 1.114 | 1.114 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.244 | 0.679 | 1.114 | 1.114 | 1.114 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.244 | 0.708 | 1.114 | 1.114 | 1.114 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.244 | 0.737 | 1.114 | 1.114 | 1.112 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.244 | 0.766 | 1.114 | 1.114 | 1.110 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.244 | 0.795 | 1.114 | 1.114 | 1.108 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.244 | 0.824 | 1.114 | 1.114 | 1.106 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.244 | 0.853 | 1.114 | 1.114 | 1.104 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.244 | 0.882 | 1.114 | 1.114 | 1.102 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.000 | 0.244 | 0.911 | 1.114 | 1.114 | 1.100 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.000 | 0.000 | 0.244 | 0.940 | 1.114 | 1.114 | 1.098 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.244 | 0.969 | 1.114 | 1.114 | 1.096 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.244 | 0.998 | 1.114 | 1.114 | 1.094 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.000 | 0.000 | 0.244 | 1.027 | 1.114 | 1.114 | 1.092 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.000 | 0.000 | 0.244 | 1.056 | 1.114 | 1.114 | 1.090 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.000 | 0.000 | 0.244 | 1.085 | 1.114 | 1.114 | 1.088 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.000 | 0.000 | 0.244 | 1.114 | 1.114 | 1.114 | 1.086 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.000 | 0.000 | 0.273 | 1.114 | 1.114 | 1.114 | 1.084 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.000 | 0.000 | 0.302 | 1.114 | 1.114 | 1.114 | 1.082 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.000 | 0.000 | 0.331 | 1.114 | 1.114 | 1.114 | 1.080 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.000 | 0.000 | 0.360 | 1.114 | 1.114 | 1.114 | 1.078 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.000 | 0.000 | 0.389 | 1.114 | 1.114 | 1.114 | 1.076 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 | 0.000 | 0.418 | 1.114 | 1.114 | 1.114 | 1.074 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 | 0.000 | 0.447 | 1.114 | 1.114 | 1.114 | 1.072 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.000 | 0.000 | 0.476 | 1.114 | 1.114 | 1.114 | 1.070 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.000 | 0.505 | 1.114 | 1.114 | 1.114 | 1.068 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.000 | 0.534 | 1.114 | 1.114 | 1.114 | 1.066 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.000 | | 1.114 | | 1.114 | 1.064 | | 0.000 | | 0.000 |

ET calculations for

Yuma Area - Average of 3 Local AZMET Stations

1999 CROP ET

(Sheet to calculate ET for Legume & Solanum Vegetables [green beans, dry beans, garbonzo beans, peas, peanuts, fresh peppers, & potatoes])

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.13 | 0.13 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | |
| 2 | 0.13 | 0.15 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | |
| 3 | 0.16 | 0.12 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.13 | |
| 4 | 0.12 | -0.10 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.10 | |
| 5 | 0.11 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.08 | |
| 6 | 0.11 | 0.07 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.08 | |
| 7 | 0.09 | 0.09 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | |
| 8 | 0.15 | 0.10 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.12 | |
| 9 | 0.17 | 0.12 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 10 | 0.13 | 0.19 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | |
| 11 | 0.08 | 0.17 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.16 | |
| 12 | 0.09 | 0.22 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.08 | |
| 13 | 0.11 | 0.17 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | |
| 14 | 0.16 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | |
| 15 | 0.11 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.12 | |
| 16 | 0.09 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.05 | 0.11 | |
| 17 | 0.08 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.07 | 0.11 | |
| 18 | 0.08 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.11 | |
| 19 | 0.09 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.16 | |
| 20 | 0.13 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.06 | 0.14 | |
| 21 | 0.17 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.12 | |
| 22 | 0.13 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.19 | |
| 23 | 0.10 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.18 | |
| 24 | 0.09 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | 0.15 | |
| 25 | 0.08 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | 0.11 | |
| 26 | 0.09 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | 0.12 | |
| 27 | 0.08 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.05 | 0.13 | |
| 28 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | 0.11 | |
| 29 | 0.11 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.08 | |
| 30 | 0.11 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.07 | 0.10 | |
| 31 | 0.13 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.05 | | 0.10 | |

(Daily Kc values)*

Legume/Solanum Veg

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 1.057 | 1.057 | 1.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.737 |
| 2 | 1.057 | 1.057 | 1.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.756 |
| 3 | 1.057 | 1.057 | 0.997 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.775 |
| 4 | 1.057 | 1.057 | 0.993 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.793 |
| 5 | 1.057 | 1.057 | 0.989 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.812 |
| 6 | 1.057 | 1.057 | 0.985 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.831 |
| 7 | 1.057 | 1.057 | 0.981 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.850 |
| 8 | 1.057 | 1.057 | 0.977 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.869 |
| 9 | 1.057 | 1.057 | 0.973 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.323 | 0.887 |
| 10 | 1.057 | 1.057 | 0.969 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.342 | 0.906 |
| 11 | 1.057 | 1.057 | 0.965 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.361 | 0.925 |
| 12 | 1.057 | 1.057 | 0.961 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.379 | 0.944 |
| 13 | 1.057 | 1.057 | 0.957 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.398 | 0.963 |
| 14 | 1.057 | 1.057 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.417 | 0.982 |
| 15 | 1.057 | 1.057 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.436 | 1.000 |
| 16 | 1.057 | 1.057 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.455 | 1.019 |
| 17 | 1.057 | 1.053 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.474 | 1.038 |
| 18 | 1.057 | 1.049 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.492 | 1.057 |
| 19 | 1.057 | 1.045 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.511 | 1.057 |
| 20 | 1.057 | 1.041 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.530 | 1.057 |
| 21 | 1.057 | 1.037 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.549 | 1.057 |
| 22 | 1.057 | 1.033 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.568 | 1.057 |
| 23 | 1.057 | 1.029 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.586 | 1.057 |
| 24 | 1.057 | 1.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.605 | 1.057 |
| 25 | 1.057 | 1.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.624 | 1.057 |
| 26 | 1.057 | 1.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.643 | 1.057 |
| 27 | 1.057 | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.662 | 1.057 |
| 28 | 1.057 | 1.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.681 | 1.057 |
| 29 | 1.057 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.699 | 1.057 |
| 30 | 1.057 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.718 | 1.057 |
| 31 | 1.057 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 0.304 | | 1.057 |

* - Kc values are for Legume Vegetables. Solanum crops (fresh peppers & potatoes) were added to this group to minimize the total number of crop groups, and their total water usage/growing seasons are similar.

ET calculations for Sheet W: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Crucifers [broccoli, cauliflower, cabbage, bok-choy, mustard, kale, & okra])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.05 | 0.10 | 0.10 | |
| 2 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.06 | 0.11 | 0.12 | |
| 3 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.12 | 0.16 | |
| 4 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.10 | 0.13 | |
| 5 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.08 | 0.10 | |
| 6 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.08 | 0.09 | 0.10 | |
| 7 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.08 | 0.08 | |
| 8 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.10 | 0.14 | |
| 9 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.09 | 0.08 | |
| 10 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.09 | 0.08 | |
| 11 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.10 | 0.18 | |
| 12 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.08 | 0.14 | 0.09 | |
| 13 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.08 | 0.13 | 0.08 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.12 | 0.13 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.07 | 0.12 | 0.12 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.11 | 0.11 | 0.10 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.14 | 0.14 | 0.11 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.10 | 0.10 | 0.11 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.10 | 0.16 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.12 | 0.11 | 0.14 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | 0.11 | 0.11 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.16 | 0.18 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.11 | 0.17 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | 0.12 | 0.14 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.12 | 0.11 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.11 | 0.12 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.08 | 0.08 | 0.13 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.09 | 0.09 | 0.11 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | 0.11 | 0.07 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.17 | 0.10 | 0.09 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.12 | | 0.09 | |

Crucifers

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.982 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.265 | 0.707 | 1.002 |
| 2 | 0.975 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.265 | 0.724 | 1.002 |
| 3 | 0.969 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.265 | 0.740 | 1.002 |
| 4 | 0.962 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.265 | 0.756 | 1.002 |
| 5 | 0.955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.265 | 0.773 | 1.002 |
| 6 | 0.949 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.282 | 0.789 | 1.002 |
| 7 | 0.942 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.298 | 0.806 | 1.002 |
| 8 | 0.935 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.314 | 0.822 | 1.002 |
| 9 | 0.929 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.331 | 0.838 | 1.002 |
| 10 | 0.922 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.347 | 0.855 | 1.002 |
| 11 | 0.915 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.363 | 0.871 | 1.002 |
| 12 | 0.909 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.380 | 0.887 | 1.002 |
| 13 | 0.902 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.396 | 0.904 | 1.002 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.413 | 0.920 | 1.002 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.429 | 0.937 | 1.002 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.445 | 0.953 | 1.002 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.462 | 0.969 | 1.002 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.478 | 0.986 | 1.002 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.494 | 1.002 | 1.002 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.511 | 1.002 | 1.002 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.527 | 1.002 | 1.002 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.544 | 1.002 | 1.002 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.560 | 1.002 | 1.002 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.576 | 1.002 | 1.002 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.593 | 1.002 | 1.002 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.609 | 1.002 | 1.002 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.625 | 1.002 | 1.002 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.642 | 1.002 | 1.002 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.658 | 1.002 | 1.002 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.675 | 1.002 | 0.995 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 0.691 | | 0.989 |

ET calculations for Sheet X: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Dates)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.11 | 0.12 | 0.16 | 0.12 | 0.20 | 0.22 | 0.38 | 0.34 | 0.34 | 0.20 | 0.15 | 0.10 | |
| 2 | 0.11 | 0.13 | 0.17 | 0.16 | 0.26 | 0.30 | 0.39 | 0.29 | 0.32 | 0.22 | 0.15 | 0.12 | |
| 3 | 0.14 | 0.10 | 0.20 | 0.16 | 0.25 | 0.32 | 0.39 | 0.30 | 0.25 | 0.19 | 0.16 | 0.16 | |
| 4 | 0.10 | -0.10 | 0.16 | 0.17 | 0.26 | 0.30 | 0.33 | 0.31 | 0.25 | 0.21 | 0.14 | 0.13 | |
| 5 | 0.10 | -0.01 | 0.13 | 0.17 | 0.26 | 0.25 | 0.32 | 0.34 | 0.25 | 0.24 | 0.11 | 0.10 | |
| 6 | 0.10 | 0.06 | 0.16 | 0.19 | 0.27 | 0.31 | 0.37 | 0.33 | 0.25 | 0.31 | 0.12 | 0.10 | |
| 7 | 0.08 | 0.08 | 0.14 | 0.17 | 0.28 | 0.34 | 0.23 | 0.33 | 0.27 | 0.26 | 0.11 | 0.08 | |
| 8 | 0.13 | 0.09 | 0.12 | 0.17 | 0.32 | 0.36 | 0.25 | 0.31 | 0.27 | 0.24 | 0.13 | 0.14 | |
| 9 | 0.15 | 0.10 | 0.15 | 0.22 | 0.28 | 0.32 | 0.30 | 0.34 | 0.19 | 0.22 | 0.12 | 0.08 | |
| 10 | 0.11 | 0.17 | 0.14 | 0.19 | 0.25 | 0.30 | 0.32 | 0.36 | 0.25 | 0.22 | 0.11 | 0.08 | |
| 11 | 0.07 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.33 | 0.29 | 0.27 | 0.19 | 0.12 | 0.18 | |
| 12 | 0.08 | 0.19 | 0.18 | 0.11 | 0.29 | 0.31 | 0.25 | 0.28 | 0.24 | 0.23 | 0.16 | 0.09 | |
| 13 | 0.10 | 0.15 | 0.14 | 0.18 | 0.33 | 0.31 | 0.28 | 0.31 | 0.24 | 0.20 | 0.14 | 0.08 | |
| 14 | 0.14 | 0.11 | 0.15 | 0.24 | 0.29 | 0.35 | 0.31 | 0.33 | 0.27 | 0.18 | 0.14 | 0.13 | |
| 15 | 0.09 | 0.15 | 0.19 | 0.31 | 0.30 | 0.39 | 0.34 | 0.32 | 0.30 | 0.17 | 0.13 | 0.12 | |
| 16 | 0.08 | 0.10 | 0.17 | 0.26 | 0.29 | 0.35 | 0.34 | 0.27 | 0.30 | 0.25 | 0.12 | 0.10 | |
| 17 | 0.07 | 0.11 | 0.14 | 0.25 | 0.28 | 0.36 | 0.35 | 0.31 | 0.30 | 0.32 | 0.15 | 0.11 | |
| 18 | 0.07 | 0.10 | 0.14 | 0.25 | 0.32 | 0.33 | 0.32 | 0.31 | 0.30 | 0.22 | 0.10 | 0.11 | |
| 19 | 0.08 | 0.12 | 0.16 | 0.27 | 0.35 | 0.32 | 0.33 | 0.23 | 0.31 | 0.19 | 0.10 | 0.16 | |
| 20 | 0.11 | 0.18 | 0.21 | 0.35 | 0.30 | 0.34 | 0.41 | 0.28 | 0.24 | 0.24 | 0.11 | 0.14 | |
| 21 | 0.14 | 0.14 | 0.19 | 0.30 | 0.31 | 0.42 | 0.35 | 0.28 | 0.11 | 0.20 | 0.11 | 0.11 | |
| 22 | 0.11 | 0.20 | 0.17 | 0.29 | 0.27 | 0.36 | 0.32 | 0.30 | 0.22 | 0.18 | 0.16 | 0.18 | |
| 23 | 0.08 | 0.15 | 0.19 | 0.22 | 0.25 | 0.35 | 0.36 | 0.25 | 0.15 | 0.16 | 0.12 | 0.17 | |
| 24 | 0.08 | 0.13 | 0.16 | 0.19 | 0.27 | 0.33 | 0.35 | 0.27 | 0.20 | 0.15 | 0.12 | 0.14 | |
| 25 | 0.07 | 0.16 | 0.14 | 0.22 | 0.31 | 0.41 | 0.37 | 0.30 | 0.21 | 0.16 | 0.12 | 0.11 | |
| 26 | 0.07 | 0.14 | 0.16 | 0.25 | 0.31 | 0.37 | 0.32 | 0.32 | 0.24 | 0.15 | 0.11 | 0.12 | |
| 27 | 0.07 | 0.13 | 0.18 | 0.28 | 0.32 | 0.33 | 0.24 | 0.32 | 0.27 | 0.14 | 0.08 | 0.13 | |
| 28 | 0.13 | 0.14 | 0.16 | 0.31 | 0.33 | 0.38 | 0.21 | 0.27 | 0.37 | 0.15 | 0.10 | 0.11 | |
| 29 | 0.10 | | 0.18 | 0.19 | 0.36 | 0.35 | 0.23 | 0.22 | 0.38 | 0.24 | 0.11 | 0.07 | |
| 30 | 0.10 | | 0.23 | 0.12 | 0.31 | 0.37 | 0.30 | 0.31 | 0.24 | 0.26 | 0.10 | 0.09 | |
| 31 | 0.11 | | 0.23 | | 0.32 | | 0.36 | 0.29 | | 0.18 | | 0.09 | |

Dates

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.907 | 0.909 | 0.942 | 0.979 | 1.014 | 1.049 | 1.049 | 1.049 | 1.049 | 1.047 | 1.030 | 1.014 |
| 2 | 0.907 | 0.910 | 0.943 | 0.980 | 1.016 | 1.049 | 1.049 | 1.049 | 1.049 | 1.046 | 1.030 | 1.014 |
| 3 | 0.907 | 0.911 | 0.945 | 0.981 | 1.017 | 1.049 | 1.049 | 1.049 | 1.049 | 1.045 | 1.029 | 1.013 |
| 4 | 0.907 | 0.913 | 0.946 | 0.982 | 1.018 | 1.049 | 1.049 | 1.049 | 1.049 | 1.045 | 1.029 | 1.013 |
| 5 | 0.907 | 0.914 | 0.947 | 0.984 | 1.019 | 1.049 | 1.049 | 1.049 | 1.049 | 1.044 | 1.028 | 1.012 |
| 6 | 0.907 | 0.915 | 0.948 | 0.985 | 1.020 | 1.049 | 1.049 | 1.049 | 1.049 | 1.044 | 1.028 | 1.012 |
| 7 | 0.907 | 0.916 | 0.949 | 0.986 | 1.021 | 1.049 | 1.049 | 1.049 | 1.049 | 1.043 | 1.027 | 1.011 |
| 8 | 0.907 | 0.917 | 0.950 | 0.987 | 1.023 | 1.049 | 1.049 | 1.049 | 1.049 | 1.043 | 1.027 | 1.011 |
| 9 | 0.907 | 0.919 | 0.952 | 0.988 | 1.024 | 1.049 | 1.049 | 1.049 | 1.049 | 1.042 | 1.026 | 1.010 |
| 10 | 0.907 | 0.920 | 0.953 | 0.989 | 1.025 | 1.049 | 1.049 | 1.049 | 1.049 | 1.042 | 1.025 | 1.010 |
| 11 | 0.907 | 0.921 | 0.954 | 0.991 | 1.026 | 1.049 | 1.049 | 1.049 | 1.049 | 1.041 | 1.025 | 1.009 |
| 12 | 0.907 | 0.922 | 0.955 | 0.992 | 1.027 | 1.049 | 1.049 | 1.049 | 1.049 | 1.041 | 1.024 | 1.009 |
| 13 | 0.907 | 0.923 | 0.956 | 0.993 | 1.029 | 1.049 | 1.049 | 1.049 | 1.049 | 1.040 | 1.024 | 1.008 |
| 14 | 0.907 | 0.924 | 0.958 | 0.994 | 1.030 | 1.049 | 1.049 | 1.049 | 1.049 | 1.040 | 1.023 | 1.008 |
| 15 | 0.907 | 0.926 | 0.959 | 0.995 | 1.031 | 1.049 | 1.049 | 1.049 | 1.049 | 1.039 | 1.023 | 1.007 |
| 16 | 0.907 | 0.927 | 0.960 | 0.997 | 1.032 | 1.049 | 1.049 | 1.049 | 1.049 | 1.039 | 1.022 | 1.007 |
| 17 | 0.907 | 0.928 | 0.961 | 0.998 | 1.033 | 1.049 | 1.049 | 1.049 | 1.049 | 1.038 | 1.022 | 1.006 |
| 18 | 0.907 | 0.929 | 0.962 | 0.999 | 1.034 | 1.049 | 1.049 | 1.049 | 1.049 | 1.038 | 1.021 | 1.005 |
| 19 | 0.907 | 0.930 | 0.963 | 1.000 | 1.036 | 1.049 | 1.049 | 1.049 | 1.049 | 1.037 | 1.021 | 1.005 |
| 20 | 0.907 | 0.932 | 0.965 | 1.001 | 1.037 | 1.049 | 1.049 | 1.049 | 1.049 | 1.037 | 1.020 | 1.004 |
| 21 | 0.907 | 0.933 | 0.966 | 1.002 | 1.038 | 1.049 | 1.049 | 1.049 | 1.049 | 1.036 | 1.020 | 1.004 |
| 22 | 0.907 | 0.934 | 0.967 | 1.004 | 1.039 | 1.049 | 1.049 | 1.049 | 1.049 | 1.035 | 1.019 | 1.003 |
| 23 | 0.907 | 0.935 | 0.968 | 1.005 | 1.040 | 1.049 | 1.049 | 1.049 | 1.049 | 1.035 | 1.019 | 1.003 |
| 24 | 0.907 | 0.936 | 0.969 | 1.006 | 1.042 | 1.049 | 1.049 | 1.049 | 1.049 | 1.034 | 1.018 | 1.002 |
| 25 | 0.907 | 0.937 | 0.971 | 1.007 | 1.043 | 1.049 | 1.049 | 1.049 | 1.049 | 1.034 | 1.018 | 1.002 |
| 26 | 0.907 | 0.939 | 0.972 | 1.008 | 1.044 | 1.049 | 1.049 | 1.049 | 1.049 | 1.033 | 1.017 | 1.001 |
| 27 | 0.907 | 0.940 | 0.973 | 1.010 | 1.045 | 1.049 | 1.049 | 1.049 | 1.049 | 1.033 | 1.017 | 1.001 |
| 28 | 0.907 | 0.941 | 0.974 | 1.011 | 1.046 | 1.049 | 1.049 | 1.049 | 1.048 | 1.032 | 1.016 | 1.000 |
| 29 | 0.907 | | 0.975 | 1.012 | 1.047 | 1.049 | 1.049 | 1.049 | 1.048 | 1.032 | 1.015 | 1.000 |
| 30 | 0.907 | | 0.976 | 1.013 | 1.049 | 1.049 | 1.049 | 1.049 | 1.047 | 1.031 | 1.015 | 0.999 |
| 31 | 0.908 | | 0.978 | | 1.049 | | 1.049 | 1.049 | | 1.031 | | 0.999 |

ET calculations for Sheet Y: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Safflower)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.04 | 0.08 | 0.12 | 0.25 | 0.26 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.05 | 0.09 | 0.17 | 0.33 | 0.36 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.04 | 0.11 | 0.17 | 0.31 | 0.39 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | -0.14 | 0.09 | 0.19 | 0.31 | 0.36 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | -0.04 | 0.08 | 0.18 | 0.32 | 0.30 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.02 | 0.09 | 0.21 | 0.34 | 0.37 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.03 | 0.09 | 0.19 | 0.35 | 0.41 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.03 | 0.08 | 0.20 | 0.39 | 0.43 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.04 | 0.10 | 0.25 | 0.34 | 0.39 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.06 | 0.09 | 0.22 | 0.31 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.06 | 0.12 | 0.26 | 0.32 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.07 | 0.13 | 0.13 | 0.35 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.06 | 0.10 | 0.21 | 0.40 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.04 | 0.11 | 0.29 | 0.35 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.05 | 0.15 | 0.38 | 0.36 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.04 | 0.13 | 0.32 | 0.35 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.04 | 0.11 | 0.32 | 0.34 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.04 | 0.12 | 0.32 | 0.39 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.05 | 0.13 | 0.34 | 0.43 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.07 | 0.18 | 0.44 | 0.36 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.05 | 0.16 | 0.38 | 0.38 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.08 | 0.15 | 0.36 | 0.32 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.07 | 0.17 | 0.27 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.06 | 0.14 | 0.24 | 0.33 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.08 | 0.12 | 0.28 | 0.37 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.07 | 0.15 | 0.31 | 0.37 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.06 | 0.17 | 0.35 | 0.38 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.07 | 0.16 | 0.39 | 0.40 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.18 | 0.23 | 0.43 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.23 | 0.15 | 0.37 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.24 | | 0.39 | | 0.00 | 0.00 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet Y: Page 2 of 2

1999 CROP ET

Safflower

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.345 | 0.493 | 1.006 | 1.254 | 1.254 | 0.590 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.345 | 0.510 | 1.022 | 1.254 | 1.254 | 0.549 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.345 | 0.526 | 1.039 | 1.254 | 1.254 | 0.507 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.345 | 0.543 | 1.055 | 1.254 | 1.254 | 0.466 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.345 | 0.559 | 1.072 | 1.254 | 1.254 | 0.424 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.345 | 0.576 | 1.088 | 1.254 | 1.254 | 0.383 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.345 | 0.592 | 1.105 | 1.254 | 1.254 | 0.341 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.345 | 0.609 | 1.121 | 1.254 | 1.254 | 0.300 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.345 | 0.626 | 1.138 | 1.254 | 1.254 | 0.258 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.345 | 0.642 | 1.154 | 1.254 | 1.254 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.345 | 0.659 | 1.171 | 1.254 | 1.254 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.345 | 0.675 | 1.187 | 1.254 | 1.254 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.345 | 0.692 | 1.204 | 1.254 | 1.254 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.345 | 0.708 | 1.221 | 1.254 | 1.254 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.345 | 0.725 | 1.237 | 1.254 | 1.254 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.345 | 0.741 | 1.254 | 1.254 | 1.212 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.345 | 0.758 | 1.254 | 1.254 | 1.171 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.345 | 0.774 | 1.254 | 1.254 | 1.129 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.345 | 0.791 | 1.254 | 1.254 | 1.088 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.345 | 0.807 | 1.254 | 1.254 | 1.046 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.361 | 0.824 | 1.254 | 1.254 | 1.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.378 | 0.840 | 1.254 | 1.254 | 0.963 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.394 | 0.857 | 1.254 | 1.254 | 0.922 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.411 | 0.873 | 1.254 | 1.254 | 0.880 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.427 | 0.890 | 1.254 | 1.254 | 0.839 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.444 | 0.907 | 1.254 | 1.254 | 0.797 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.460 | 0.923 | 1.254 | 1.254 | 0.756 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.477 | 0.940 | 1.254 | 1.254 | 0.715 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.956 | 1.254 | 1.254 | 0.673 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.973 | 1.254 | 1.254 | 0.632 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.989 | | 1.254 | | 0.000 | 0.000 | | 0.000 | | 0.000 |

ET calculations for Sheet Z: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Deciduous Orchards [pecans & peaches])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.05 | 0.05 | 0.07 | 0.07 | 0.16 | 0.18 | 0.31 | 0.27 | 0.28 | 0.16 | 0.12 | 0.08 | |
| 2 | 0.05 | 0.06 | 0.08 | 0.10 | 0.21 | 0.24 | 0.32 | 0.23 | 0.26 | 0.18 | 0.13 | 0.09 | |
| 3 | 0.06 | 0.05 | 0.09 | 0.11 | 0.20 | 0.26 | 0.31 | 0.25 | 0.20 | 0.15 | 0.13 | 0.12 | |
| 4 | 0.04 | -0.13 | 0.08 | 0.11 | 0.20 | 0.24 | 0.26 | 0.25 | 0.20 | 0.17 | 0.12 | 0.09 | |
| 5 | 0.04 | -0.04 | 0.06 | 0.11 | 0.21 | 0.20 | 0.26 | 0.27 | 0.20 | 0.19 | 0.09 | 0.07 | |
| 6 | 0.04 | 0.03 | 0.08 | 0.12 | 0.22 | 0.25 | 0.30 | 0.27 | 0.21 | 0.25 | 0.10 | 0.07 | |
| 7 | 0.03 | 0.03 | 0.07 | 0.11 | 0.23 | 0.27 | 0.19 | 0.26 | 0.22 | 0.21 | 0.09 | 0.06 | |
| 8 | 0.06 | 0.04 | 0.06 | 0.12 | 0.26 | 0.29 | 0.20 | 0.25 | 0.22 | 0.19 | 0.10 | 0.09 | |
| 9 | 0.07 | 0.04 | 0.07 | 0.15 | 0.23 | 0.26 | 0.24 | 0.28 | 0.15 | 0.18 | 0.10 | 0.05 | |
| 10 | 0.05 | 0.07 | 0.07 | 0.13 | 0.21 | 0.24 | 0.26 | 0.29 | 0.20 | 0.18 | 0.09 | 0.06 | |
| 11 | 0.03 | 0.07 | 0.09 | 0.15 | 0.21 | 0.24 | 0.27 | 0.23 | 0.21 | 0.16 | 0.10 | 0.12 | |
| 12 | 0.04 | 0.08 | 0.09 | 0.07 | 0.24 | 0.25 | 0.20 | 0.23 | 0.19 | 0.18 | 0.13 | 0.06 | |
| 13 | 0.04 | 0.07 | 0.07 | 0.12 | 0.27 | 0.25 | 0.23 | 0.25 | 0.20 | 0.17 | 0.12 | 0.05 | |
| 14 | 0.06 | 0.05 | 0.08 | 0.17 | 0.23 | 0.29 | 0.25 | 0.26 | 0.22 | 0.15 | 0.11 | 0.09 | |
| 15 | 0.04 | 0.06 | 0.10 | 0.22 | 0.24 | 0.31 | 0.27 | 0.25 | 0.24 | 0.14 | 0.11 | 0.08 | |
| 16 | 0.03 | 0.04 | 0.09 | 0.18 | 0.24 | 0.29 | 0.27 | 0.22 | 0.24 | 0.21 | 0.10 | 0.07 | |
| 17 | 0.03 | 0.05 | 0.08 | 0.18 | 0.23 | 0.29 | 0.28 | 0.25 | 0.25 | 0.26 | 0.12 | 0.07 | |
| 18 | 0.03 | 0.04 | 0.08 | 0.18 | 0.26 | 0.27 | 0.26 | 0.25 | 0.24 | 0.18 | 0.08 | 0.07 | |
| 19 | 0.03 | 0.05 | 0.09 | 0.20 | 0.29 | 0.26 | 0.26 | 0.18 | 0.25 | 0.16 | 0.08 | 0.10 | |
| 20 | 0.05 | 0.08 | 0.12 | 0.26 | 0.24 | 0.27 | 0.33 | 0.23 | 0.20 | 0.20 | 0.09 | 0.08 | |
| 21 | 0.06 | 0.06 | 0.11 | 0.22 | 0.25 | 0.34 | 0.29 | 0.22 | 0.09 | 0.16 | 0.09 | 0.07 | |
| 22 | 0.05 | 0.09 | 0.10 | 0.21 | 0.22 | 0.29 | 0.26 | 0.24 | 0.18 | 0.15 | 0.13 | 0.11 | |
| 23 | 0.04 | 0.07 | 0.11 | 0.16 | 0.21 | 0.28 | 0.29 | 0.20 | 0.12 | 0.13 | 0.09 | 0.10 | |
| 24 | 0.03 | 0.06 | 0.09 | 0.14 | 0.22 | 0.26 | 0.29 | 0.22 | 0.16 | 0.12 | 0.10 | 0.08 | |
| 25 | 0.03 | 0.07 | 0.08 | 0.17 | 0.25 | 0.33 | 0.30 | 0.25 | 0.17 | 0.13 | 0.10 | 0.06 | |
| 26 | 0.03 | 0.06 | 0.09 | 0.19 | 0.25 | 0.30 | 0.26 | 0.26 | 0.19 | 0.12 | 0.09 | 0.07 | |
| 27 | 0.03 | 0.06 | 0.11 | 0.22 | 0.26 | 0.27 | 0.20 | 0.26 | 0.22 | 0.11 | 0.06 | 0.07 | |
| 28 | 0.06 | 0.06 | 0.10 | 0.24 | 0.27 | 0.31 | 0.17 | 0.22 | 0.30 | 0.12 | 0.07 | 0.06 | |
| 29 | 0.04 | | 0.11 | 0.14 | 0.29 | 0.28 | 0.18 | 0.18 | 0.31 | 0.19 | 0.08 | 0.04 | |
| 30 | 0.04 | | 0.14 | 0.10 | 0.25 | 0.30 | 0.25 | 0.25 | 0.19 | 0.22 | 0.07 | 0.05 | |
| 31 | 0.05 | | 0.15 | | 0.26 | | 0.29 | 0.23 | | 0.14 | | 0.05 | |

(Daily Kc values)

Sheet Z: Page 2 of 2

1999 CROP ET

Orchards

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.400 | 0.400 | 0.430 | 0.615 | 0.794 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.748 |
| 2 | 0.400 | 0.400 | 0.436 | 0.621 | 0.800 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.741 |
| 3 | 0.400 | 0.400 | 0.442 | 0.627 | 0.806 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.735 |
| 4 | 0.400 | 0.400 | 0.448 | 0.633 | 0.812 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.728 |
| 5 | 0.400 | 0.400 | 0.454 | 0.639 | 0.818 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.721 |
| 6 | 0.400 | 0.400 | 0.460 | 0.645 | 0.824 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.715 |
| 7 | 0.400 | 0.400 | 0.466 | 0.651 | 0.830 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.708 |
| 8 | 0.400 | 0.400 | 0.472 | 0.657 | 0.836 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.701 |
| 9 | 0.400 | 0.400 | 0.478 | 0.663 | 0.842 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.695 |
| 10 | 0.400 | 0.400 | 0.484 | 0.669 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.688 |
| 11 | 0.400 | 0.400 | 0.490 | 0.675 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.681 |
| 12 | 0.400 | 0.400 | 0.496 | 0.681 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.675 |
| 13 | 0.400 | 0.400 | 0.502 | 0.687 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.668 |
| 14 | 0.400 | 0.400 | 0.508 | 0.693 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.661 |
| 15 | 0.400 | 0.400 | 0.514 | 0.699 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.655 |
| 16 | 0.400 | 0.400 | 0.520 | 0.705 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.648 |
| 17 | 0.400 | 0.400 | 0.526 | 0.711 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.841 | 0.641 |
| 18 | 0.400 | 0.400 | 0.532 | 0.717 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.835 | 0.635 |
| 19 | 0.400 | 0.400 | 0.538 | 0.723 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.828 | 0.628 |
| 20 | 0.400 | 0.400 | 0.544 | 0.729 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.821 | 0.621 |
| 21 | 0.400 | 0.400 | 0.550 | 0.735 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.815 | 0.615 |
| 22 | 0.400 | 0.400 | 0.555 | 0.741 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.808 | 0.608 |
| 23 | 0.400 | 0.400 | 0.561 | 0.747 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.801 | 0.601 |
| 24 | 0.400 | 0.400 | 0.567 | 0.752 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.795 | 0.595 |
| 25 | 0.400 | 0.406 | 0.573 | 0.758 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.788 | 0.588 |
| 26 | 0.400 | 0.412 | 0.579 | 0.764 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.781 | 0.581 |
| 27 | 0.400 | 0.418 | 0.585 | 0.770 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.775 | 0.575 |
| 28 | 0.400 | 0.424 | 0.591 | 0.776 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.768 | 0.568 |
| 29 | 0.400 | | 0.597 | 0.782 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.761 | 0.561 |
| 30 | 0.400 | | 0.603 | 0.788 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.755 | 0.555 |
| 31 | 0.400 | | 0.609 | | 0.848 | | 0.848 | 0.848 | | 0.848 | | 0.548 |

ET calculations for Sheet AA: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Small Vegetables [carrots, celantro, celery, garlic, onions, parsley, & radishes])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.12 | 0.13 | 0.17 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | |
| 2 | 0.12 | 0.14 | 0.18 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | |
| 3 | 0.15 | 0.11 | 0.21 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | |
| 4 | 0.11 | -0.10 | 0.17 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | |
| 5 | 0.11 | -0.00 | 0.14 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | |
| 6 | 0.11 | 0.07 | 0.16 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | |
| 7 | 0.09 | 0.09 | 0.15 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | |
| 8 | 0.14 | 0.09 | 0.13 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | |
| 9 | 0.16 | 0.11 | 0.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | |
| 10 | 0.12 | 0.18 | 0.14 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | |
| 11 | 0.08 | 0.16 | 0.19 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.12 | |
| 12 | 0.09 | 0.21 | 0.19 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | |
| 13 | 0.11 | 0.16 | 0.15 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | |
| 14 | 0.16 | 0.12 | 0.16 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | |
| 15 | 0.10 | 0.16 | 0.20 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.09 | |
| 16 | 0.09 | 0.11 | 0.18 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.04 | 0.08 | |
| 17 | 0.08 | 0.12 | 0.15 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.05 | 0.08 | |
| 18 | 0.08 | 0.11 | 0.15 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.08 | |
| 19 | 0.08 | 0.13 | 0.17 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.12 | |
| 20 | 0.12 | 0.19 | 0.22 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.04 | 0.11 | |
| 21 | 0.16 | 0.15 | 0.19 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.10 | |
| 22 | 0.12 | 0.22 | 0.17 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.15 | |
| 23 | 0.09 | 0.17 | 0.19 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.15 | |
| 24 | 0.09 | 0.14 | 0.16 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | 0.12 | |
| 25 | 0.08 | 0.18 | 0.14 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.09 | |
| 26 | 0.08 | 0.15 | 0.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.05 | 0.11 | |
| 27 | 0.08 | 0.14 | 0.18 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.12 | |
| 28 | 0.15 | 0.15 | 0.16 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.05 | 0.10 | |
| 29 | 0.11 | | 0.18 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.06 | 0.07 | |
| 30 | 0.11 | | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.05 | 0.09 | |
| 31 | 0.12 | | 0.23 | | 0.00 | | 0.00 | 0.00 | | 0.05 | | 0.09 | |

(Daily Kc values)
Small Vegetables

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.988 | 1.002 | 1.002 | 0.942 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.555 |
| 2 | 1.002 | 1.002 | 1.002 | 0.937 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.569 |
| 3 | 1.002 | 1.002 | 1.002 | 0.932 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.583 |
| 4 | 1.002 | 1.002 | 1.002 | 0.927 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.597 |
| 5 | 1.002 | 1.002 | 1.002 | 0.922 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.611 |
| 6 | 1.002 | 1.002 | 1.002 | 0.917 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.625 |
| 7 | 1.002 | 1.002 | 1.002 | 0.912 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.639 |
| 8 | 1.002 | 1.002 | 1.002 | 0.907 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.653 |
| 9 | 1.002 | 1.002 | 1.002 | 0.902 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.667 |
| 10 | 1.002 | 1.002 | 1.002 | 0.897 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.681 |
| 11 | 1.002 | 1.002 | 1.002 | 0.892 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.695 |
| 12 | 1.002 | 1.002 | 1.002 | 0.887 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.709 |
| 13 | 1.002 | 1.002 | 1.002 | 0.882 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.723 |
| 14 | 1.002 | 1.002 | 1.002 | 0.877 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.318 | 0.737 |
| 15 | 1.002 | 1.002 | 1.002 | 0.872 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.332 | 0.751 |
| 16 | 1.002 | 1.002 | 1.002 | 0.867 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.346 | 0.765 |
| 17 | 1.002 | 1.002 | 1.002 | 0.862 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.360 | 0.779 |
| 18 | 1.002 | 1.002 | 1.002 | 0.857 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.374 | 0.793 |
| 19 | 1.002 | 1.002 | 1.002 | 0.852 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.388 | 0.807 |
| 20 | 1.002 | 1.002 | 1.002 | 0.847 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.402 | 0.821 |
| 21 | 1.002 | 1.002 | 0.997 | 0.842 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.416 | 0.835 |
| 22 | 1.002 | 1.002 | 0.992 | 0.837 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.430 | 0.849 |
| 23 | 1.002 | 1.002 | 0.987 | 0.832 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.444 | 0.863 |
| 24 | 1.002 | 1.002 | 0.982 | 0.827 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.458 | 0.877 |
| 25 | 1.002 | 1.002 | 0.977 | 0.822 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.472 | 0.890 |
| 26 | 1.002 | 1.002 | 0.972 | 0.817 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.486 | 0.904 |
| 27 | 1.002 | 1.002 | 0.967 | 0.812 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.500 | 0.918 |
| 28 | 1.002 | 1.002 | 0.962 | 0.807 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.514 | 0.932 |
| 29 | 1.002 | | 0.957 | 0.802 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.528 | 0.946 |
| 30 | 1.002 | | 0.952 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.304 | 0.542 | 0.960 |
| 31 | 1.002 | | 0.947 | | 0.000 | | 0.000 | 0.000 | | 0.304 | | 0.974 |

ET calculations for Sheet AB: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 CROP ET
 (Sheet to calculate ET for Root Vegetables [tables beets, parsnips, turnips, & rutabagas])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.07 | 0.15 | 0.11 | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.16 | 0.12 | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.08 | 0.17 | 0.17 | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.15 | 0.13 | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.11 | 0.11 | 0.11 | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.15 | 0.12 | 0.10 | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.13 | 0.11 | 0.09 | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.13 | 0.13 | 0.14 | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.12 | 0.12 | 0.08 | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | 0.12 | 0.08 | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.13 | 0.18 | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.14 | 0.16 | 0.09 | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | 0.15 | 0.08 | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.14 | 0.13 | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.12 | 0.14 | 0.12 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.18 | 0.12 | 0.10 | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.24 | 0.16 | 0.11 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.16 | 0.11 | 0.11 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.15 | 0.10 | 0.15 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.19 | 0.11 | 0.13 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.17 | 0.11 | 0.11 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.15 | 0.17 | 0.18 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.14 | 0.12 | 0.17 | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.13 | 0.13 | 0.14 | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.14 | 0.13 | 0.10 | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.14 | 0.12 | 0.11 | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.13 | 0.08 | 0.12 | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.14 | 0.10 | 0.10 | |
| 29 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.24 | 0.11 | 0.07 | |
| 30 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.27 | 0.10 | 0.00 | |
| 31 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | | 0.18 | | 0.00 | |

(Daily Kc values)
Root Vegetables

Sheet AB: Page 2 of 2

1999 CROP ET

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.401 | 1.057 | 1.057 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.424 | 1.057 | 1.057 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.446 | 1.057 | 1.057 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.469 | 1.057 | 1.057 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.491 | 1.057 | 1.053 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.514 | 1.057 | 1.049 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.537 | 1.057 | 1.045 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.559 | 1.057 | 1.041 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.582 | 1.057 | 1.037 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.604 | 1.057 | 1.033 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.627 | 1.057 | 1.029 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.650 | 1.057 | 1.025 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.672 | 1.057 | 1.021 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.695 | 1.057 | 1.017 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.718 | 1.057 | 1.013 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.740 | 1.057 | 1.009 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.763 | 1.057 | 1.005 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.785 | 1.057 | 1.001 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.808 | 1.057 | 0.997 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.831 | 1.057 | 0.993 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.853 | 1.057 | 0.989 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.876 | 1.057 | 0.985 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.898 | 1.057 | 0.981 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.921 | 1.057 | 0.977 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.944 | 1.057 | 0.973 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.288 | 0.966 | 1.057 | 0.969 |
| 27 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.310 | 0.989 | 1.057 | 0.965 |
| 28 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.333 | 1.012 | 1.057 | 0.961 |
| 29 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.356 | 1.034 | 1.057 | 0.957 |
| 30 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.378 | 1.057 | 1.057 | 0.000 |
| 31 | 0.000 | | 0.000 | | 0.000 | | 0.000 | 0.000 | | 1.057 | | 0.000 |

ET calculations for
 Yuma Area - Average of 3 Local AZMET Stations
 (Sheet to calculate ET for Perennial Vegetables [artichokes & asparagus])

1999 CROP ET

| ET, inches | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.06 | 0.06 | 0.18 | 0.20 | 0.35 | 0.00 | 0.30 | 0.13 | 0.07 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.08 | 0.24 | 0.27 | 0.36 | 0.26 | 0.27 | 0.15 | 0.07 | 0.04 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.09 | 0.23 | 0.29 | 0.35 | 0.28 | 0.21 | 0.12 | 0.07 | 0.05 | |
| 4 | 0.04 | -0.14 | 0.06 | 0.09 | 0.24 | 0.28 | 0.30 | 0.28 | 0.21 | 0.14 | 0.06 | 0.04 | |
| 5 | 0.03 | -0.04 | 0.05 | 0.09 | 0.25 | 0.23 | 0.29 | 0.31 | 0.21 | 0.15 | 0.05 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.11 | 0.26 | 0.28 | 0.34 | 0.30 | 0.21 | 0.20 | 0.05 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.10 | 0.27 | 0.31 | 0.21 | 0.30 | 0.23 | 0.16 | 0.04 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.10 | 0.30 | 0.33 | 0.23 | 0.28 | 0.22 | 0.15 | 0.05 | 0.04 | |
| 9 | 0.05 | 0.04 | 0.05 | 0.13 | 0.26 | 0.29 | 0.27 | 0.31 | 0.15 | 0.13 | 0.05 | 0.03 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.12 | 0.23 | 0.27 | 0.29 | 0.33 | 0.20 | 0.13 | 0.05 | 0.03 | |
| 11 | 0.03 | 0.05 | 0.06 | 0.14 | 0.24 | 0.27 | 0.30 | 0.26 | 0.21 | 0.12 | 0.05 | 0.06 | |
| 12 | 0.03 | 0.07 | 0.06 | 0.07 | 0.27 | 0.28 | 0.22 | 0.26 | 0.19 | 0.13 | 0.06 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.12 | 0.31 | 0.29 | 0.26 | 0.28 | 0.19 | 0.12 | 0.05 | 0.03 | |
| 14 | 0.05 | 0.04 | 0.05 | 0.16 | 0.26 | 0.32 | 0.28 | 0.30 | 0.21 | 0.11 | 0.05 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.21 | 0.28 | 0.35 | 0.31 | 0.29 | 0.23 | 0.10 | 0.05 | 0.04 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.18 | 0.27 | 0.32 | 0.31 | 0.24 | 0.23 | 0.14 | 0.04 | 0.03 | |
| 17 | 0.03 | 0.04 | 0.05 | 0.18 | 0.26 | 0.33 | 0.31 | 0.28 | 0.23 | 0.18 | 0.05 | 0.04 | |
| 18 | 0.03 | 0.03 | 0.05 | 0.19 | 0.29 | 0.30 | 0.30 | 0.28 | 0.22 | 0.12 | 0.04 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.06 | 0.20 | 0.33 | 0.29 | 0.30 | 0.21 | 0.23 | 0.11 | 0.03 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.07 | 0.27 | 0.27 | 0.31 | 0.37 | 0.26 | 0.18 | 0.13 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.07 | 0.23 | 0.29 | 0.38 | 0.32 | 0.25 | 0.08 | 0.11 | 0.04 | 0.04 | |
| 22 | 0.04 | 0.07 | 0.06 | 0.23 | 0.25 | 0.33 | 0.30 | 0.28 | 0.16 | 0.09 | 0.05 | 0.06 | |
| 23 | 0.03 | 0.05 | 0.07 | 0.17 | 0.23 | 0.32 | 0.33 | 0.23 | 0.11 | 0.08 | 0.04 | 0.06 | |
| 24 | 0.03 | 0.05 | 0.06 | 0.16 | 0.25 | 0.30 | 0.32 | 0.25 | 0.15 | 0.07 | 0.04 | 0.05 | |
| 25 | 0.03 | 0.06 | 0.06 | 0.18 | 0.28 | 0.38 | 0.34 | 0.28 | 0.15 | 0.08 | 0.04 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.07 | 0.21 | 0.28 | 0.34 | 0.30 | 0.29 | 0.17 | 0.08 | 0.03 | 0.04 | |
| 27 | 0.03 | 0.05 | 0.08 | 0.24 | 0.29 | 0.30 | 0.22 | 0.29 | 0.19 | 0.07 | 0.02 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.07 | 0.27 | 0.31 | 0.35 | 0.19 | 0.24 | 0.25 | 0.07 | 0.03 | 0.03 | |
| 29 | 0.04 | | 0.08 | 0.16 | 0.33 | 0.32 | 0.21 | 0.20 | 0.26 | 0.11 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.11 | 0.11 | 0.28 | 0.34 | 0.28 | 0.28 | 0.16 | 0.12 | 0.03 | 0.03 | |
| 31 | 0.04 | | 0.12 | | 0.30 | | 0.32 | 0.26 | | 0.08 | | 0.03 | |

(Daily Kc values)

Sheet AC: Page 2 of 2

1999 CROP ET

Perennial Vegetables

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.329 | 0.329 | 0.329 | 0.496 | 0.912 | 0.954 | 0.954 | 0.954 | 0.917 | 0.700 | 0.476 | 0.329 |
| 2 | 0.329 | 0.329 | 0.329 | 0.510 | 0.926 | 0.954 | 0.954 | 0.954 | 0.910 | 0.693 | 0.469 | 0.329 |
| 3 | 0.329 | 0.329 | 0.329 | 0.523 | 0.940 | 0.954 | 0.954 | 0.954 | 0.903 | 0.686 | 0.461 | 0.329 |
| 4 | 0.329 | 0.329 | 0.329 | 0.537 | 0.954 | 0.954 | 0.954 | 0.954 | 0.896 | 0.679 | 0.454 | 0.329 |
| 5 | 0.329 | 0.329 | 0.329 | 0.551 | 0.954 | 0.954 | 0.954 | 0.954 | 0.888 | 0.671 | 0.447 | 0.329 |
| 6 | 0.329 | 0.329 | 0.329 | 0.565 | 0.954 | 0.954 | 0.954 | 0.954 | 0.881 | 0.664 | 0.440 | 0.329 |
| 7 | 0.329 | 0.329 | 0.329 | 0.579 | 0.954 | 0.954 | 0.954 | 0.954 | 0.874 | 0.657 | 0.432 | 0.329 |
| 8 | 0.329 | 0.329 | 0.329 | 0.593 | 0.954 | 0.954 | 0.954 | 0.954 | 0.867 | 0.650 | 0.425 | 0.329 |
| 9 | 0.329 | 0.329 | 0.329 | 0.607 | 0.954 | 0.954 | 0.954 | 0.954 | 0.859 | 0.642 | 0.418 | 0.329 |
| 10 | 0.329 | 0.329 | 0.329 | 0.621 | 0.954 | 0.954 | 0.954 | 0.954 | 0.852 | 0.635 | 0.411 | 0.329 |
| 11 | 0.329 | 0.329 | 0.329 | 0.634 | 0.954 | 0.954 | 0.954 | 0.954 | 0.845 | 0.628 | 0.404 | 0.329 |
| 12 | 0.329 | 0.329 | 0.329 | 0.648 | 0.954 | 0.954 | 0.954 | 0.954 | 0.838 | 0.621 | 0.396 | 0.329 |
| 13 | 0.329 | 0.329 | 0.329 | 0.662 | 0.954 | 0.954 | 0.954 | 0.954 | 0.831 | 0.613 | 0.389 | 0.329 |
| 14 | 0.329 | 0.329 | 0.329 | 0.676 | 0.954 | 0.954 | 0.954 | 0.954 | 0.823 | 0.606 | 0.382 | 0.329 |
| 15 | 0.329 | 0.329 | 0.329 | 0.690 | 0.954 | 0.954 | 0.954 | 0.954 | 0.816 | 0.599 | 0.375 | 0.329 |
| 16 | 0.329 | 0.329 | 0.329 | 0.704 | 0.954 | 0.954 | 0.954 | 0.954 | 0.809 | 0.592 | 0.367 | 0.329 |
| 17 | 0.329 | 0.329 | 0.329 | 0.718 | 0.954 | 0.954 | 0.954 | 0.954 | 0.802 | 0.584 | 0.360 | 0.329 |
| 18 | 0.329 | 0.329 | 0.329 | 0.732 | 0.954 | 0.954 | 0.954 | 0.954 | 0.794 | 0.577 | 0.353 | 0.329 |
| 19 | 0.329 | 0.329 | 0.329 | 0.745 | 0.954 | 0.954 | 0.954 | 0.954 | 0.787 | 0.570 | 0.346 | 0.329 |
| 20 | 0.329 | 0.329 | 0.329 | 0.759 | 0.954 | 0.954 | 0.954 | 0.954 | 0.780 | 0.563 | 0.338 | 0.329 |
| 21 | 0.329 | 0.329 | 0.343 | 0.773 | 0.954 | 0.954 | 0.954 | 0.954 | 0.773 | 0.556 | 0.331 | 0.329 |
| 22 | 0.329 | 0.329 | 0.357 | 0.787 | 0.954 | 0.954 | 0.954 | 0.954 | 0.765 | 0.548 | 0.324 | 0.329 |
| 23 | 0.329 | 0.329 | 0.371 | 0.801 | 0.954 | 0.954 | 0.954 | 0.954 | 0.758 | 0.541 | 0.317 | 0.329 |
| 24 | 0.329 | 0.329 | 0.385 | 0.815 | 0.954 | 0.954 | 0.954 | 0.954 | 0.751 | 0.534 | 0.309 | 0.329 |
| 25 | 0.329 | 0.329 | 0.399 | 0.829 | 0.954 | 0.954 | 0.954 | 0.954 | 0.744 | 0.527 | 0.302 | 0.329 |
| 26 | 0.329 | 0.329 | 0.412 | 0.843 | 0.954 | 0.954 | 0.954 | 0.954 | 0.736 | 0.519 | 0.295 | 0.329 |
| 27 | 0.329 | 0.329 | 0.426 | 0.856 | 0.954 | 0.954 | 0.954 | 0.954 | 0.729 | 0.512 | 0.288 | 0.329 |
| 28 | 0.329 | 0.329 | 0.440 | 0.870 | 0.954 | 0.954 | 0.954 | 0.946 | 0.722 | 0.505 | 0.280 | 0.329 |
| 29 | 0.329 | | 0.454 | 0.884 | 0.954 | 0.954 | 0.954 | 0.939 | 0.715 | 0.498 | 0.273 | 0.329 |
| 30 | 0.329 | | 0.468 | 0.898 | 0.954 | 0.954 | 0.954 | 0.932 | 0.707 | 0.490 | 0.266 | 0.329 |
| 31 | 0.329 | | 0.482 | | 0.954 | | 0.954 | 0.925 | | 0.483 | | 0.329 |

ET calculations for
 Yuma Area - Average of 3 Local AZMET Stations
 (Sheet to calculate ET for Sugar Beets)

1999 CROP ET

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.13 | 0.14 | 0.18 | 0.13 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.08 | |
| 2 | 0.13 | 0.16 | 0.19 | 0.18 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.10 | |
| 3 | 0.17 | 0.12 | 0.23 | 0.18 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.14 | |
| 4 | 0.12 | -0.10 | 0.19 | 0.19 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.11 | |
| 5 | 0.11 | 0.00 | 0.15 | 0.19 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.09 | |
| 6 | 0.11 | 0.07 | 0.18 | 0.21 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.06 | 0.08 | |
| 7 | 0.09 | 0.09 | 0.17 | 0.19 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.05 | 0.07 | |
| 8 | 0.16 | 0.10 | 0.14 | 0.19 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.12 | |
| 9 | 0.18 | 0.12 | 0.17 | 0.24 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.07 | |
| 10 | 0.14 | 0.20 | 0.16 | 0.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.08 | |
| 11 | 0.09 | 0.18 | 0.20 | 0.24 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.16 | |
| 12 | 0.10 | 0.22 | 0.20 | 0.12 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.08 | |
| 13 | 0.12 | 0.18 | 0.16 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | 0.07 | |
| 14 | 0.17 | 0.13 | 0.17 | 0.26 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.08 | 0.13 | |
| 15 | 0.11 | 0.17 | 0.22 | 0.34 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | 0.11 | |
| 16 | 0.09 | 0.12 | 0.19 | 0.28 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.07 | 0.10 | |
| 17 | 0.08 | 0.13 | 0.16 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.11 | |
| 18 | 0.09 | 0.11 | 0.16 | 0.27 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.11 | |
| 19 | 0.09 | 0.15 | 0.18 | 0.29 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.16 | |
| 20 | 0.13 | 0.21 | 0.24 | 0.37 | 0.21 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.07 | 0.14 | |
| 21 | 0.17 | 0.16 | 0.21 | 0.31 | 0.21 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | 0.07 | 0.12 | |
| 22 | 0.13 | 0.24 | 0.19 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.11 | 0.19 | |
| 23 | 0.10 | 0.18 | 0.21 | 0.22 | 0.17 | 0.00 | 0.00 | 0.00 | 0.04 | 0.05 | 0.08 | 0.18 | |
| 24 | 0.09 | 0.15 | 0.18 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.09 | 0.15 | |
| 25 | 0.08 | 0.19 | 0.15 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.09 | 0.12 | |
| 26 | 0.09 | 0.17 | 0.17 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.08 | 0.13 | |
| 27 | 0.09 | 0.15 | 0.20 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.05 | 0.06 | 0.14 | |
| 28 | 0.16 | 0.16 | 0.18 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.05 | 0.07 | 0.12 | |
| 29 | 0.12 | | 0.20 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.09 | 0.08 | 0.08 | |
| 30 | 0.11 | | 0.26 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.10 | 0.08 | 0.10 | |
| 31 | 0.13 | | 0.26 | | 0.00 | | 0.00 | 0.00 | | 0.07 | | 0.10 | |

(Daily Kc values)

Sheet AD: Page 2 of 2

1999 CROP ET

Sugar Beets

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 1.089 | 1.089 | 1.089 | 1.089 | 0.933 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.430 | 0.810 |
| 2 | 1.089 | 1.089 | 1.089 | 1.089 | 0.922 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.443 | 0.823 |
| 3 | 1.089 | 1.089 | 1.089 | 1.089 | 0.911 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.455 | 0.835 |
| 4 | 1.089 | 1.089 | 1.089 | 1.089 | 0.900 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.468 | 0.848 |
| 5 | 1.089 | 1.089 | 1.089 | 1.089 | 0.889 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.481 | 0.861 |
| 6 | 1.089 | 1.089 | 1.089 | 1.089 | 0.878 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.493 | 0.873 |
| 7 | 1.089 | 1.089 | 1.089 | 1.089 | 0.867 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.506 | 0.886 |
| 8 | 1.089 | 1.089 | 1.089 | 1.089 | 0.856 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.519 | 0.899 |
| 9 | 1.089 | 1.089 | 1.089 | 1.089 | 0.844 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.531 | 0.911 |
| 10 | 1.089 | 1.089 | 1.089 | 1.089 | 0.833 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.544 | 0.924 |
| 11 | 1.089 | 1.089 | 1.089 | 1.089 | 0.822 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.557 | 0.937 |
| 12 | 1.089 | 1.089 | 1.089 | 1.089 | 0.811 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.569 | 0.949 |
| 13 | 1.089 | 1.089 | 1.089 | 1.089 | 0.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.582 | 0.962 |
| 14 | 1.089 | 1.089 | 1.089 | 1.089 | 0.789 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.595 | 0.975 |
| 15 | 1.089 | 1.089 | 1.089 | 1.089 | 0.778 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.607 | 0.987 |
| 16 | 1.089 | 1.089 | 1.089 | 1.089 | 0.767 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.620 | 1.000 |
| 17 | 1.089 | 1.089 | 1.089 | 1.089 | 0.756 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.633 | 1.013 |
| 18 | 1.089 | 1.089 | 1.089 | 1.078 | 0.744 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.645 | 1.025 |
| 19 | 1.089 | 1.089 | 1.089 | 1.067 | 0.733 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.658 | 1.038 |
| 20 | 1.089 | 1.089 | 1.089 | 1.056 | 0.722 | 0.000 | 0.000 | 0.000 | 0.265 | 0.278 | 0.671 | 1.051 |
| 21 | 1.089 | 1.089 | 1.089 | 1.044 | 0.711 | 0.000 | 0.000 | 0.000 | 0.265 | 0.291 | 0.683 | 1.064 |
| 22 | 1.089 | 1.089 | 1.089 | 1.033 | 0.700 | 0.000 | 0.000 | 0.000 | 0.265 | 0.303 | 0.696 | 1.076 |
| 23 | 1.089 | 1.089 | 1.089 | 1.022 | 0.689 | 0.000 | 0.000 | 0.000 | 0.265 | 0.316 | 0.709 | 1.089 |
| 24 | 1.089 | 1.089 | 1.089 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.329 | 0.721 | 1.089 |
| 25 | 1.089 | 1.089 | 1.089 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.341 | 0.734 | 1.089 |
| 26 | 1.089 | 1.089 | 1.089 | 0.989 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.354 | 0.747 | 1.089 |
| 27 | 1.089 | 1.089 | 1.089 | 0.978 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.367 | 0.759 | 1.089 |
| 28 | 1.089 | 1.089 | 1.089 | 0.967 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.379 | 0.772 | 1.089 |
| 29 | 1.089 | | 1.089 | 0.956 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.392 | 0.785 | 1.089 |
| 30 | 1.089 | | 1.089 | 0.944 | 0.000 | 0.000 | 0.000 | 0.000 | 0.265 | 0.405 | 0.797 | 1.089 |
| 31 | 1.089 | | 1.089 | | 0.000 | | 0.000 | 0.000 | | 0.417 | | 1.089 |

ET calculations for
 Yuma Area - Average of 3 Local AZMET Stations
 (Sheet to calculate ET for Grapes)

1999 CROP ET

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| (Daily net ET values after effective precipitation has been subtracted) | | | | | | | | | | | | | |
| (Reference ET X Kc - eff. precip.) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.00 | 0.00 | 0.02 | 0.06 | 0.16 | 0.18 | 0.31 | 0.24 | 0.16 | 0.00 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.03 | 0.08 | 0.21 | 0.24 | 0.31 | 0.20 | 0.15 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.00 | 0.00 | 0.03 | 0.08 | 0.20 | 0.26 | 0.31 | 0.21 | 0.11 | 0.00 | 0.00 | 0.00 | |
| 4 | 0.00 | 0.00 | 0.03 | 0.09 | 0.21 | 0.25 | 0.26 | 0.21 | 0.11 | 0.00 | 0.00 | 0.00 | |
| 5 | 0.00 | 0.00 | 0.02 | 0.09 | 0.21 | 0.21 | 0.25 | 0.23 | 0.11 | 0.00 | 0.00 | 0.00 | |
| 6 | 0.00 | 0.00 | 0.03 | 0.10 | 0.22 | 0.25 | 0.30 | 0.23 | 0.11 | 0.00 | 0.00 | 0.00 | |
| 7 | 0.00 | 0.00 | 0.03 | 0.09 | 0.23 | 0.28 | 0.18 | 0.22 | 0.11 | 0.00 | 0.00 | 0.00 | |
| 8 | 0.00 | 0.00 | 0.02 | 0.10 | 0.27 | 0.29 | 0.20 | 0.20 | 0.11 | 0.00 | 0.00 | 0.00 | |
| 9 | 0.00 | 0.00 | 0.03 | 0.13 | 0.23 | 0.26 | 0.24 | 0.22 | 0.07 | 0.00 | 0.00 | 0.00 | |
| 10 | 0.00 | 0.00 | 0.03 | 0.11 | 0.21 | 0.24 | 0.25 | 0.24 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 11 | 0.00 | 0.00 | 0.04 | 0.13 | 0.21 | 0.24 | 0.26 | 0.19 | 0.10 | 0.00 | 0.00 | 0.00 | |
| 12 | 0.00 | 0.00 | 0.04 | 0.06 | 0.24 | 0.25 | 0.19 | 0.18 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 13 | 0.00 | 0.00 | 0.04 | 0.11 | 0.27 | 0.25 | 0.22 | 0.20 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 14 | 0.00 | 0.01 | 0.04 | 0.15 | 0.24 | 0.29 | 0.24 | 0.20 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 15 | 0.00 | 0.02 | 0.05 | 0.20 | 0.25 | 0.31 | 0.26 | 0.19 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 16 | 0.00 | 0.01 | 0.05 | 0.17 | 0.24 | 0.28 | 0.26 | 0.16 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 17 | 0.00 | 0.01 | 0.04 | 0.17 | 0.23 | 0.29 | 0.27 | 0.19 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 18 | 0.00 | 0.01 | 0.04 | 0.17 | 0.26 | 0.27 | 0.25 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.01 | 0.05 | 0.19 | 0.29 | 0.26 | 0.25 | 0.13 | 0.08 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.02 | 0.07 | 0.25 | 0.24 | 0.27 | 0.31 | 0.16 | 0.06 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.02 | 0.06 | 0.21 | 0.26 | 0.34 | 0.27 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.02 | 0.06 | 0.21 | 0.22 | 0.29 | 0.24 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.02 | 0.07 | 0.16 | 0.21 | 0.28 | 0.27 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 0.00 | 0.02 | 0.06 | 0.14 | 0.22 | 0.27 | 0.26 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 0.00 | 0.02 | 0.05 | 0.17 | 0.25 | 0.33 | 0.27 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 0.00 | 0.02 | 0.06 | 0.18 | 0.25 | 0.30 | 0.24 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 0.00 | 0.02 | 0.07 | 0.22 | 0.26 | 0.27 | 0.18 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 0.00 | 0.02 | 0.07 | 0.24 | 0.27 | 0.31 | 0.15 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 0.00 | | 0.08 | 0.15 | 0.29 | 0.28 | 0.17 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 0.00 | | 0.10 | 0.10 | 0.25 | 0.30 | 0.22 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 0.00 | | 0.11 | | 0.26 | | 0.25 | 0.14 | | 0.00 | | 0.00 | |

(Daily Kc values)

Sheet AE: Page 2 of 2

1999 CROP ET

Grapes

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.000 | 0.000 | 0.145 | 0.464 | 0.801 | 0.850 | 0.846 | 0.742 | 0.493 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.151 | 0.476 | 0.809 | 0.850 | 0.845 | 0.736 | 0.483 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.000 | 0.158 | 0.489 | 0.817 | 0.850 | 0.844 | 0.730 | 0.472 | 0.000 | 0.000 | 0.000 |
| 4 | 0.000 | 0.000 | 0.165 | 0.502 | 0.824 | 0.850 | 0.843 | 0.724 | 0.461 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.172 | 0.514 | 0.831 | 0.850 | 0.841 | 0.718 | 0.450 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.180 | 0.527 | 0.837 | 0.850 | 0.839 | 0.711 | 0.439 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.188 | 0.539 | 0.843 | 0.850 | 0.837 | 0.705 | 0.428 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.196 | 0.552 | 0.849 | 0.850 | 0.835 | 0.698 | 0.417 | 0.000 | 0.000 | 0.000 |
| 9 | 0.000 | 0.000 | 0.205 | 0.565 | 0.850 | 0.850 | 0.833 | 0.691 | 0.405 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.214 | 0.577 | 0.850 | 0.850 | 0.831 | 0.684 | 0.394 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.223 | 0.589 | 0.850 | 0.850 | 0.828 | 0.677 | 0.382 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.233 | 0.602 | 0.850 | 0.850 | 0.826 | 0.670 | 0.370 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.000 | 0.242 | 0.614 | 0.850 | 0.850 | 0.823 | 0.663 | 0.358 | 0.000 | 0.000 | 0.000 |
| 14 | 0.000 | 0.107 | 0.252 | 0.626 | 0.850 | 0.850 | 0.820 | 0.655 | 0.346 | 0.000 | 0.000 | 0.000 |
| 15 | 0.000 | 0.106 | 0.263 | 0.638 | 0.850 | 0.844 | 0.817 | 0.647 | 0.333 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.105 | 0.273 | 0.650 | 0.850 | 0.845 | 0.814 | 0.639 | 0.321 | 0.000 | 0.000 | 0.000 |
| 17 | 0.000 | 0.105 | 0.284 | 0.661 | 0.850 | 0.846 | 0.810 | 0.631 | 0.308 | 0.000 | 0.000 | 0.000 |
| 18 | 0.000 | 0.106 | 0.295 | 0.673 | 0.850 | 0.847 | 0.807 | 0.623 | 0.295 | 0.000 | 0.000 | 0.000 |
| 19 | 0.000 | 0.107 | 0.306 | 0.684 | 0.850 | 0.848 | 0.803 | 0.615 | 0.282 | 0.000 | 0.000 | 0.000 |
| 20 | 0.000 | 0.109 | 0.317 | 0.695 | 0.850 | 0.849 | 0.799 | 0.606 | 0.269 | 0.000 | 0.000 | 0.000 |
| 21 | 0.000 | 0.111 | 0.329 | 0.706 | 0.850 | 0.849 | 0.795 | 0.598 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22 | 0.000 | 0.113 | 0.341 | 0.717 | 0.850 | 0.850 | 0.791 | 0.589 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 | 0.000 | 0.117 | 0.353 | 0.727 | 0.850 | 0.850 | 0.787 | 0.580 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | 0.000 | 0.120 | 0.364 | 0.737 | 0.850 | 0.850 | 0.783 | 0.571 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | 0.000 | 0.124 | 0.377 | 0.747 | 0.850 | 0.850 | 0.778 | 0.562 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | 0.000 | 0.129 | 0.389 | 0.757 | 0.850 | 0.850 | 0.773 | 0.552 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | 0.000 | 0.134 | 0.401 | 0.766 | 0.850 | 0.849 | 0.768 | 0.543 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | 0.000 | 0.139 | 0.413 | 0.776 | 0.850 | 0.849 | 0.763 | 0.533 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | 0.000 | | 0.426 | 0.784 | 0.850 | 0.848 | 0.758 | 0.523 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | 0.000 | | 0.438 | 0.793 | 0.850 | 0.847 | 0.753 | 0.513 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | 0.000 | | 0.451 | | 0.850 | | 0.747 | 0.503 | | 0.000 | | 0.000 |

ET calculations for Sheet AF: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Marsh [40% cattail, bullrush, phragmites(bamboo)])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.03 | 0.03 | 0.05 | 0.14 | 0.23 | 0.24 | 0.42 | 0.37 | 0.38 | 0.19 | 0.04 | 0.03 | |
| 2 | 0.03 | 0.04 | 0.05 | 0.19 | 0.30 | 0.33 | 0.43 | 0.32 | 0.35 | 0.20 | 0.04 | 0.03 | |
| 3 | 0.04 | 0.03 | 0.07 | 0.19 | 0.28 | 0.35 | 0.42 | 0.33 | 0.27 | 0.17 | 0.04 | 0.04 | |
| 4 | 0.03 | 0.01 | 0.06 | 0.20 | 0.29 | 0.33 | 0.36 | 0.34 | 0.27 | 0.18 | 0.03 | 0.03 | |
| 5 | 0.03 | 0.01 | 0.05 | 0.20 | 0.30 | 0.28 | 0.35 | 0.37 | 0.27 | 0.20 | 0.03 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.07 | 0.22 | 0.31 | 0.34 | 0.41 | 0.37 | 0.28 | 0.25 | 0.03 | 0.02 | |
| 7 | 0.02 | 0.02 | 0.07 | 0.20 | 0.32 | 0.37 | 0.25 | 0.36 | 0.30 | 0.20 | 0.03 | 0.02 | |
| 8 | 0.04 | 0.02 | 0.06 | 0.20 | 0.36 | 0.40 | 0.27 | 0.34 | 0.29 | 0.18 | 0.03 | 0.03 | |
| 9 | 0.04 | 0.03 | 0.08 | 0.26 | 0.32 | 0.35 | 0.33 | 0.37 | 0.21 | 0.16 | 0.03 | 0.02 | |
| 10 | 0.03 | 0.04 | 0.08 | 0.22 | 0.28 | 0.33 | 0.35 | 0.40 | 0.27 | 0.15 | 0.03 | 0.02 | |
| 11 | 0.02 | 0.04 | 0.11 | 0.25 | 0.29 | 0.33 | 0.37 | 0.32 | 0.29 | 0.13 | 0.03 | 0.04 | |
| 12 | 0.02 | 0.05 | 0.11 | 0.12 | 0.32 | 0.34 | 0.27 | 0.31 | 0.26 | 0.14 | 0.04 | 0.02 | |
| 13 | 0.03 | 0.04 | 0.09 | 0.20 | 0.37 | 0.34 | 0.31 | 0.34 | 0.27 | 0.12 | 0.03 | 0.02 | |
| 14 | 0.04 | 0.03 | 0.11 | 0.28 | 0.32 | 0.39 | 0.34 | 0.36 | 0.30 | 0.11 | 0.03 | 0.03 | |
| 15 | 0.02 | 0.04 | 0.14 | 0.36 | 0.33 | 0.43 | 0.37 | 0.35 | 0.33 | 0.09 | 0.03 | 0.03 | |
| 16 | 0.02 | 0.03 | 0.13 | 0.30 | 0.32 | 0.39 | 0.37 | 0.29 | 0.33 | 0.13 | 0.03 | 0.03 | |
| 17 | 0.02 | 0.03 | 0.11 | 0.29 | 0.31 | 0.39 | 0.38 | 0.34 | 0.33 | 0.16 | 0.04 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.12 | 0.29 | 0.35 | 0.37 | 0.36 | 0.34 | 0.32 | 0.10 | 0.02 | 0.03 | |
| 19 | 0.02 | 0.03 | 0.14 | 0.31 | 0.39 | 0.35 | 0.36 | 0.25 | 0.34 | 0.08 | 0.02 | 0.04 | |
| 20 | 0.03 | 0.05 | 0.19 | 0.41 | 0.33 | 0.37 | 0.45 | 0.31 | 0.27 | 0.10 | 0.03 | 0.03 | |
| 21 | 0.04 | 0.04 | 0.17 | 0.35 | 0.35 | 0.46 | 0.39 | 0.30 | 0.12 | 0.08 | 0.03 | 0.03 | |
| 22 | 0.03 | 0.05 | 0.16 | 0.33 | 0.30 | 0.40 | 0.36 | 0.33 | 0.24 | 0.06 | 0.04 | 0.04 | |
| 23 | 0.02 | 0.04 | 0.18 | 0.25 | 0.28 | 0.38 | 0.40 | 0.27 | 0.17 | 0.05 | 0.03 | 0.04 | |
| 24 | 0.02 | 0.03 | 0.16 | 0.22 | 0.30 | 0.36 | 0.39 | 0.30 | 0.22 | 0.04 | 0.03 | 0.03 | |
| 25 | 0.02 | 0.04 | 0.14 | 0.26 | 0.34 | 0.45 | 0.41 | 0.33 | 0.23 | 0.04 | 0.03 | 0.03 | |
| 26 | 0.02 | 0.04 | 0.16 | 0.28 | 0.34 | 0.40 | 0.36 | 0.35 | 0.26 | 0.04 | 0.03 | 0.03 | |
| 27 | 0.02 | 0.03 | 0.19 | 0.32 | 0.35 | 0.36 | 0.27 | 0.35 | 0.29 | 0.03 | 0.02 | 0.03 | |
| 28 | 0.04 | 0.04 | 0.18 | 0.36 | 0.37 | 0.42 | 0.23 | 0.29 | 0.38 | 0.04 | 0.02 | 0.03 | |
| 29 | 0.03 | | 0.21 | 0.21 | 0.39 | 0.38 | 0.25 | 0.24 | 0.38 | 0.06 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.27 | 0.14 | 0.34 | 0.41 | 0.33 | 0.34 | 0.23 | 0.06 | 0.02 | 0.02 | |
| 31 | 0.03 | | 0.27 | | 0.36 | | 0.39 | 0.32 | | 0.04 | | 0.02 | |

Marsh

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.246 | 0.246 | 0.276 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.998 | 0.250 | 0.250 |
| 2 | 0.246 | 0.246 | 0.306 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.968 | 0.250 | 0.250 |
| 3 | 0.246 | 0.246 | 0.337 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.937 | 0.250 | 0.250 |
| 4 | 0.246 | 0.246 | 0.367 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.907 | 0.250 | 0.250 |
| 5 | 0.246 | 0.246 | 0.397 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.877 | 0.250 | 0.250 |
| 6 | 0.246 | 0.246 | 0.427 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.846 | 0.250 | 0.250 |
| 7 | 0.246 | 0.246 | 0.457 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.816 | 0.250 | 0.250 |
| 8 | 0.246 | 0.246 | 0.487 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.786 | 0.250 | 0.250 |
| 9 | 0.246 | 0.246 | 0.517 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.755 | 0.250 | 0.250 |
| 10 | 0.246 | 0.246 | 0.547 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.725 | 0.250 | 0.250 |
| 11 | 0.246 | 0.246 | 0.577 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.695 | 0.250 | 0.250 |
| 12 | 0.246 | 0.246 | 0.608 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.664 | 0.250 | 0.250 |
| 13 | 0.246 | 0.246 | 0.638 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.634 | 0.250 | 0.250 |
| 14 | 0.246 | 0.246 | 0.668 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.604 | 0.250 | 0.250 |
| 15 | 0.246 | 0.246 | 0.698 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.574 | 0.250 | 0.250 |
| 16 | 0.246 | 0.246 | 0.728 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.543 | 0.250 | 0.250 |
| 17 | 0.246 | 0.246 | 0.758 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.513 | 0.250 | 0.250 |
| 18 | 0.246 | 0.246 | 0.788 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.483 | 0.250 | 0.250 |
| 19 | 0.246 | 0.246 | 0.818 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.452 | 0.250 | 0.250 |
| 20 | 0.246 | 0.246 | 0.848 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.422 | 0.250 | 0.250 |
| 21 | 0.246 | 0.246 | 0.879 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.392 | 0.250 | 0.250 |
| 22 | 0.246 | 0.246 | 0.909 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.361 | 0.250 | 0.250 |
| 23 | 0.246 | 0.246 | 0.939 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.331 | 0.250 | 0.250 |
| 24 | 0.246 | 0.246 | 0.969 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.301 | 0.250 | 0.250 |
| 25 | 0.246 | 0.246 | 0.999 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.270 | 0.250 | 0.250 |
| 26 | 0.246 | 0.246 | 1.029 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 0.240 | 0.250 | 0.250 |
| 27 | 0.246 | 0.246 | 1.059 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.119 | 0.250 | 0.250 | 0.250 |
| 28 | 0.246 | 0.246 | 1.089 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.089 | 0.250 | 0.250 | 0.250 |
| 29 | 0.246 | | 1.119 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.059 | 0.250 | 0.250 | 0.250 |
| 30 | 0.246 | | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.150 | 1.028 | 0.250 | 0.250 | 0.250 |
| 31 | 0.246 | | 1.150 | | 1.150 | | 1.150 | 1.150 | | 0.250 | | 0.250 |

ET calculations for Sheet AG: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Barren [\leq 10% vegetation])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.07 | 0.07 | 0.09 | 0.04 | 0.05 | 0.06 | 0.10 | 0.09 | 0.09 | 0.05 | 0.05 | 0.05 | |
| 2 | 0.07 | 0.08 | 0.10 | 0.05 | 0.07 | 0.08 | 0.10 | 0.08 | 0.08 | 0.06 | 0.05 | 0.06 | |
| 3 | 0.08 | 0.06 | 0.11 | 0.05 | 0.07 | 0.08 | 0.10 | 0.08 | 0.06 | 0.05 | 0.06 | 0.08 | |
| 4 | 0.06 | 0.03 | 0.09 | 0.06 | 0.07 | 0.08 | 0.08 | 0.08 | 0.06 | 0.05 | 0.05 | 0.06 | |
| 5 | 0.06 | 0.03 | 0.07 | 0.05 | 0.07 | 0.07 | 0.08 | 0.09 | 0.06 | 0.06 | 0.04 | 0.05 | |
| 6 | 0.06 | 0.04 | 0.08 | 0.06 | 0.07 | 0.08 | 0.10 | 0.09 | 0.07 | 0.08 | 0.04 | 0.05 | |
| 7 | 0.05 | 0.05 | 0.08 | 0.05 | 0.08 | 0.09 | 0.06 | 0.08 | 0.07 | 0.07 | 0.04 | 0.04 | |
| 8 | 0.08 | 0.05 | 0.06 | 0.05 | 0.08 | 0.09 | 0.06 | 0.08 | 0.07 | 0.06 | 0.05 | 0.07 | |
| 9 | 0.09 | 0.06 | 0.08 | 0.06 | 0.07 | 0.08 | 0.08 | 0.09 | 0.05 | 0.06 | 0.04 | 0.04 | |
| 10 | 0.07 | 0.10 | 0.07 | 0.05 | 0.07 | 0.08 | 0.08 | 0.09 | 0.06 | 0.06 | 0.04 | 0.04 | |
| 11 | 0.04 | 0.09 | 0.09 | 0.06 | 0.07 | 0.08 | 0.09 | 0.08 | 0.07 | 0.05 | 0.05 | 0.09 | |
| 12 | 0.05 | 0.11 | 0.09 | 0.03 | 0.08 | 0.08 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 | 0.05 | |
| 13 | 0.06 | 0.09 | 0.07 | 0.05 | 0.09 | 0.08 | 0.07 | 0.08 | 0.06 | 0.05 | 0.06 | 0.04 | |
| 14 | 0.09 | 0.07 | 0.07 | 0.07 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.06 | 0.07 | |
| 15 | 0.06 | 0.09 | 0.09 | 0.08 | 0.08 | 0.10 | 0.09 | 0.08 | 0.08 | 0.05 | 0.05 | 0.06 | |
| 16 | 0.05 | 0.06 | 0.08 | 0.07 | 0.08 | 0.09 | 0.09 | 0.07 | 0.08 | 0.07 | 0.05 | 0.06 | |
| 17 | 0.04 | 0.07 | 0.07 | 0.07 | 0.07 | 0.09 | 0.09 | 0.08 | 0.08 | 0.09 | 0.06 | 0.06 | |
| 18 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.06 | 0.04 | 0.06 | |
| 19 | 0.05 | 0.07 | 0.07 | 0.07 | 0.09 | 0.08 | 0.08 | 0.06 | 0.08 | 0.06 | 0.04 | 0.09 | |
| 20 | 0.07 | 0.10 | 0.09 | 0.10 | 0.08 | 0.09 | 0.11 | 0.07 | 0.06 | 0.07 | 0.05 | 0.08 | |
| 21 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.11 | 0.09 | 0.07 | 0.03 | 0.06 | 0.05 | 0.07 | |
| 22 | 0.07 | 0.12 | 0.07 | 0.08 | 0.07 | 0.09 | 0.08 | 0.08 | 0.06 | 0.05 | 0.07 | 0.10 | |
| 23 | 0.05 | 0.09 | 0.08 | 0.06 | 0.07 | 0.09 | 0.09 | 0.06 | 0.04 | 0.05 | 0.05 | 0.10 | |
| 24 | 0.05 | 0.08 | 0.06 | 0.05 | 0.07 | 0.08 | 0.09 | 0.07 | 0.05 | 0.05 | 0.06 | 0.08 | |
| 25 | 0.04 | 0.10 | 0.05 | 0.06 | 0.08 | 0.11 | 0.10 | 0.08 | 0.06 | 0.05 | 0.06 | 0.06 | |
| 26 | 0.04 | 0.08 | 0.06 | 0.07 | 0.08 | 0.10 | 0.08 | 0.08 | 0.06 | 0.05 | 0.05 | 0.07 | |
| 27 | 0.04 | 0.08 | 0.07 | 0.08 | 0.08 | 0.09 | 0.06 | 0.08 | 0.07 | 0.05 | 0.04 | 0.08 | |
| 28 | 0.08 | 0.08 | 0.06 | 0.08 | 0.09 | 0.10 | 0.05 | 0.07 | 0.09 | 0.05 | 0.05 | 0.06 | |
| 29 | 0.06 | | 0.07 | 0.05 | 0.09 | 0.09 | 0.06 | 0.06 | 0.10 | 0.08 | 0.05 | 0.05 | |
| 30 | 0.06 | | 0.08 | 0.03 | 0.08 | 0.10 | 0.08 | 0.08 | 0.06 | 0.09 | 0.05 | 0.06 | |
| 31 | 0.07 | | 0.08 | | 0.08 | | 0.09 | 0.07 | | 0.06 | | 0.06 | |

Barren

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.551 | 0.551 | 0.551 | 0.335 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.359 | 0.490 |
| 2 | 0.551 | 0.551 | 0.544 | 0.328 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.364 | 0.495 |
| 3 | 0.551 | 0.551 | 0.537 | 0.321 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.368 | 0.499 |
| 4 | 0.551 | 0.551 | 0.530 | 0.314 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.372 | 0.504 |
| 5 | 0.551 | 0.551 | 0.523 | 0.307 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.377 | 0.508 |
| 6 | 0.551 | 0.551 | 0.516 | 0.300 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.381 | 0.512 |
| 7 | 0.551 | 0.551 | 0.509 | 0.293 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.385 | 0.517 |
| 8 | 0.551 | 0.551 | 0.502 | 0.286 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.390 | 0.521 |
| 9 | 0.551 | 0.551 | 0.495 | 0.279 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.394 | 0.525 |
| 10 | 0.551 | 0.551 | 0.488 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.399 | 0.530 |
| 11 | 0.551 | 0.551 | 0.481 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.403 | 0.534 |
| 12 | 0.551 | 0.551 | 0.474 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.407 | 0.539 |
| 13 | 0.551 | 0.551 | 0.467 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.276 | 0.412 | 0.543 |
| 14 | 0.551 | 0.551 | 0.460 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.280 | 0.416 | 0.547 |
| 15 | 0.551 | 0.551 | 0.453 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.285 | 0.420 | 0.552 |
| 16 | 0.551 | 0.551 | 0.446 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.289 | 0.425 | 0.556 |
| 17 | 0.551 | 0.551 | 0.439 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.294 | 0.429 | 0.560 |
| 18 | 0.551 | 0.551 | 0.432 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.298 | 0.434 | 0.565 |
| 19 | 0.551 | 0.551 | 0.425 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.302 | 0.438 | 0.569 |
| 20 | 0.551 | 0.551 | 0.419 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.307 | 0.442 | 0.574 |
| 21 | 0.551 | 0.551 | 0.412 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.311 | 0.447 | 0.578 |
| 22 | 0.551 | 0.551 | 0.405 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.315 | 0.451 | 0.582 |
| 23 | 0.551 | 0.551 | 0.398 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.320 | 0.455 | 0.587 |
| 24 | 0.551 | 0.551 | 0.391 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.324 | 0.460 | 0.591 |
| 25 | 0.551 | 0.551 | 0.384 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.329 | 0.464 | 0.595 |
| 26 | 0.551 | 0.551 | 0.377 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.333 | 0.469 | 0.600 |
| 27 | 0.551 | 0.551 | 0.370 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.337 | 0.473 | 0.604 |
| 28 | 0.551 | 0.551 | 0.363 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.342 | 0.477 | 0.609 |
| 29 | 0.551 | | 0.356 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.346 | 0.482 | 0.613 |
| 30 | 0.551 | | 0.349 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.272 | 0.350 | 0.486 | 0.617 |
| 31 | 0.551 | | 0.342 | | 0.272 | | 0.272 | 0.272 | | 0.355 | | 0.622 |

ET calculations for Sheet AH: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Sc-low [11-60% salt cedar & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.02 | 0.03 | 0.03 | 0.02 | 0.10 | 0.18 | 0.33 | 0.29 | 0.30 | 0.15 | 0.08 | 0.03 | |
| 2 | 0.02 | 0.03 | 0.04 | 0.03 | 0.14 | 0.25 | 0.34 | 0.25 | 0.27 | 0.17 | 0.08 | 0.03 | |
| 3 | 0.03 | 0.02 | 0.04 | 0.03 | 0.13 | 0.27 | 0.33 | 0.26 | 0.21 | 0.15 | 0.08 | 0.04 | |
| 4 | 0.02 | 0.01 | 0.04 | 0.04 | 0.14 | 0.26 | 0.28 | 0.27 | 0.22 | 0.16 | 0.07 | 0.03 | |
| 5 | 0.02 | 0.01 | 0.03 | 0.04 | 0.14 | 0.22 | 0.27 | 0.29 | 0.21 | 0.18 | 0.05 | 0.02 | |
| 6 | 0.02 | 0.01 | 0.03 | 0.04 | 0.15 | 0.27 | 0.32 | 0.29 | 0.22 | 0.23 | 0.06 | 0.02 | |
| 7 | 0.02 | 0.02 | 0.03 | 0.04 | 0.16 | 0.29 | 0.20 | 0.28 | 0.24 | 0.19 | 0.05 | 0.02 | |
| 8 | 0.03 | 0.02 | 0.03 | 0.04 | 0.18 | 0.31 | 0.22 | 0.26 | 0.23 | 0.18 | 0.06 | 0.03 | |
| 9 | 0.03 | 0.02 | 0.03 | 0.06 | 0.17 | 0.28 | 0.26 | 0.29 | 0.16 | 0.16 | 0.05 | 0.02 | |
| 10 | 0.03 | 0.04 | 0.03 | 0.05 | 0.15 | 0.26 | 0.28 | 0.31 | 0.22 | 0.16 | 0.05 | 0.02 | |
| 11 | 0.02 | 0.03 | 0.04 | 0.06 | 0.16 | 0.26 | 0.29 | 0.25 | 0.23 | 0.14 | 0.05 | 0.03 | |
| 12 | 0.02 | 0.04 | 0.04 | 0.03 | 0.18 | 0.26 | 0.21 | 0.24 | 0.20 | 0.16 | 0.07 | 0.02 | |
| 13 | 0.02 | 0.03 | 0.03 | 0.05 | 0.21 | 0.27 | 0.24 | 0.27 | 0.21 | 0.14 | 0.06 | 0.02 | |
| 14 | 0.03 | 0.02 | 0.03 | 0.07 | 0.18 | 0.31 | 0.27 | 0.28 | 0.24 | 0.13 | 0.06 | 0.03 | |
| 15 | 0.02 | 0.03 | 0.04 | 0.10 | 0.19 | 0.34 | 0.29 | 0.27 | 0.26 | 0.11 | 0.05 | 0.02 | |
| 16 | 0.02 | 0.02 | 0.04 | 0.09 | 0.19 | 0.31 | 0.29 | 0.23 | 0.26 | 0.17 | 0.05 | 0.02 | |
| 17 | 0.02 | 0.02 | 0.03 | 0.09 | 0.19 | 0.31 | 0.30 | 0.27 | 0.26 | 0.21 | 0.06 | 0.02 | |
| 18 | 0.02 | 0.02 | 0.03 | 0.09 | 0.22 | 0.29 | 0.28 | 0.27 | 0.26 | 0.14 | 0.04 | 0.02 | |
| 19 | 0.02 | 0.03 | 0.04 | 0.10 | 0.25 | 0.28 | 0.28 | 0.20 | 0.26 | 0.12 | 0.04 | 0.03 | |
| 20 | 0.02 | 0.04 | 0.05 | 0.13 | 0.21 | 0.29 | 0.35 | 0.25 | 0.21 | 0.15 | 0.04 | 0.03 | |
| 21 | 0.03 | 0.03 | 0.04 | 0.12 | 0.22 | 0.36 | 0.31 | 0.24 | 0.09 | 0.13 | 0.04 | 0.02 | |
| 22 | 0.02 | 0.05 | 0.04 | 0.12 | 0.20 | 0.31 | 0.28 | 0.26 | 0.19 | 0.11 | 0.06 | 0.04 | |
| 23 | 0.02 | 0.03 | 0.04 | 0.09 | 0.19 | 0.30 | 0.32 | 0.22 | 0.13 | 0.10 | 0.04 | 0.03 | |
| 24 | 0.02 | 0.03 | 0.03 | 0.08 | 0.20 | 0.28 | 0.31 | 0.23 | 0.17 | 0.09 | 0.04 | 0.03 | |
| 25 | 0.02 | 0.04 | 0.03 | 0.10 | 0.23 | 0.36 | 0.32 | 0.26 | 0.18 | 0.09 | 0.04 | 0.02 | |
| 26 | 0.02 | 0.03 | 0.03 | 0.11 | 0.24 | 0.32 | 0.28 | 0.28 | 0.20 | 0.09 | 0.04 | 0.02 | |
| 27 | 0.02 | 0.03 | 0.04 | 0.13 | 0.25 | 0.29 | 0.21 | 0.28 | 0.22 | 0.08 | 0.02 | 0.03 | |
| 28 | 0.03 | 0.03 | 0.04 | 0.15 | 0.26 | 0.33 | 0.18 | 0.23 | 0.30 | 0.08 | 0.03 | 0.02 | |
| 29 | 0.02 | | 0.04 | 0.09 | 0.29 | 0.30 | 0.20 | 0.19 | 0.30 | 0.13 | 0.03 | 0.01 | |
| 30 | 0.02 | | 0.05 | 0.06 | 0.25 | 0.32 | 0.26 | 0.27 | 0.19 | 0.14 | 0.03 | 0.02 | |
| 31 | 0.02 | | 0.05 | | 0.27 | | 0.31 | 0.25 | | 0.10 | | 0.02 | |

Sc-low

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.207 | 0.207 | 0.207 | 0.207 | 0.510 | 0.871 | 0.906 | 0.906 | 0.906 | 0.826 | 0.548 | 0.280 |
| 2 | 0.207 | 0.207 | 0.207 | 0.207 | 0.521 | 0.883 | 0.906 | 0.906 | 0.906 | 0.817 | 0.539 | 0.271 |
| 3 | 0.207 | 0.207 | 0.207 | 0.207 | 0.533 | 0.894 | 0.906 | 0.906 | 0.906 | 0.808 | 0.530 | 0.262 |
| 4 | 0.207 | 0.207 | 0.207 | 0.207 | 0.545 | 0.906 | 0.906 | 0.906 | 0.906 | 0.799 | 0.521 | 0.253 |
| 5 | 0.207 | 0.207 | 0.207 | 0.207 | 0.556 | 0.906 | 0.906 | 0.906 | 0.906 | 0.790 | 0.512 | 0.244 |
| 6 | 0.207 | 0.207 | 0.207 | 0.218 | 0.568 | 0.906 | 0.906 | 0.906 | 0.906 | 0.781 | 0.503 | 0.235 |
| 7 | 0.207 | 0.207 | 0.207 | 0.230 | 0.580 | 0.906 | 0.906 | 0.906 | 0.906 | 0.772 | 0.494 | 0.226 |
| 8 | 0.207 | 0.207 | 0.207 | 0.242 | 0.591 | 0.906 | 0.906 | 0.906 | 0.906 | 0.763 | 0.485 | 0.217 |
| 9 | 0.207 | 0.207 | 0.207 | 0.253 | 0.603 | 0.906 | 0.906 | 0.906 | 0.906 | 0.754 | 0.476 | 0.208 |
| 10 | 0.207 | 0.207 | 0.207 | 0.265 | 0.615 | 0.906 | 0.906 | 0.906 | 0.906 | 0.745 | 0.467 | 0.199 |
| 11 | 0.207 | 0.207 | 0.207 | 0.277 | 0.626 | 0.906 | 0.906 | 0.906 | 0.906 | 0.736 | 0.459 | 0.190 |
| 12 | 0.207 | 0.207 | 0.207 | 0.288 | 0.638 | 0.906 | 0.906 | 0.906 | 0.906 | 0.727 | 0.450 | 0.200 |
| 13 | 0.207 | 0.207 | 0.207 | 0.300 | 0.650 | 0.906 | 0.906 | 0.906 | 0.906 | 0.718 | 0.441 | 0.200 |
| 14 | 0.207 | 0.207 | 0.207 | 0.312 | 0.661 | 0.906 | 0.906 | 0.906 | 0.906 | 0.709 | 0.432 | 0.200 |
| 15 | 0.207 | 0.207 | 0.207 | 0.323 | 0.673 | 0.906 | 0.906 | 0.906 | 0.906 | 0.700 | 0.423 | 0.200 |
| 16 | 0.207 | 0.207 | 0.207 | 0.335 | 0.685 | 0.906 | 0.906 | 0.906 | 0.906 | 0.691 | 0.414 | 0.200 |
| 17 | 0.207 | 0.207 | 0.207 | 0.346 | 0.696 | 0.906 | 0.906 | 0.906 | 0.906 | 0.682 | 0.405 | 0.200 |
| 18 | 0.207 | 0.207 | 0.207 | 0.358 | 0.708 | 0.906 | 0.906 | 0.906 | 0.906 | 0.673 | 0.396 | 0.200 |
| 19 | 0.207 | 0.207 | 0.207 | 0.370 | 0.720 | 0.906 | 0.906 | 0.906 | 0.906 | 0.664 | 0.387 | 0.200 |
| 20 | 0.207 | 0.207 | 0.207 | 0.381 | 0.731 | 0.906 | 0.906 | 0.906 | 0.906 | 0.655 | 0.378 | 0.200 |
| 21 | 0.207 | 0.207 | 0.207 | 0.393 | 0.743 | 0.906 | 0.906 | 0.906 | 0.906 | 0.647 | 0.369 | 0.200 |
| 22 | 0.207 | 0.207 | 0.207 | 0.405 | 0.755 | 0.906 | 0.906 | 0.906 | 0.906 | 0.638 | 0.360 | 0.200 |
| 23 | 0.207 | 0.207 | 0.207 | 0.416 | 0.766 | 0.906 | 0.906 | 0.906 | 0.897 | 0.629 | 0.351 | 0.200 |
| 24 | 0.207 | 0.207 | 0.207 | 0.428 | 0.778 | 0.906 | 0.906 | 0.906 | 0.888 | 0.620 | 0.342 | 0.200 |
| 25 | 0.207 | 0.207 | 0.207 | 0.440 | 0.790 | 0.906 | 0.906 | 0.906 | 0.879 | 0.611 | 0.333 | 0.200 |
| 26 | 0.207 | 0.207 | 0.207 | 0.451 | 0.801 | 0.906 | 0.906 | 0.906 | 0.870 | 0.602 | 0.324 | 0.200 |
| 27 | 0.207 | 0.207 | 0.207 | 0.463 | 0.813 | 0.906 | 0.906 | 0.906 | 0.861 | 0.593 | 0.315 | 0.200 |
| 28 | 0.207 | 0.207 | 0.207 | 0.475 | 0.825 | 0.906 | 0.906 | 0.906 | 0.852 | 0.584 | 0.306 | 0.200 |
| 29 | 0.207 | | 0.207 | 0.486 | 0.836 | 0.906 | 0.906 | 0.906 | 0.843 | 0.575 | 0.297 | 0.200 |
| 30 | 0.207 | | 0.207 | 0.498 | 0.848 | 0.906 | 0.906 | 0.906 | 0.835 | 0.566 | 0.288 | 0.200 |
| 31 | 0.207 | | 0.207 | | 0.859 | | 0.906 | 0.906 | | 0.557 | | 0.200 |

ET calculations for Sheet AI: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Sc-high [61-100% salt cedar & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|-------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.02 | 0.03 | 0.04 | 0.07 | 0.17 | 0.23 | 0.39 | 0.34 | 0.31 | 0.13 | 0.06 | 0.02 | |
| 2 | 0.02 | 0.03 | 0.05 | 0.09 | 0.23 | 0.31 | 0.40 | 0.30 | 0.28 | 0.14 | 0.06 | 0.02 | |
| 3 | 0.03 | 0.02 | 0.06 | 0.10 | 0.22 | 0.33 | 0.39 | 0.31 | 0.22 | 0.12 | 0.06 | 0.03 | |
| 4 | 0.02 | 0.01 | 0.05 | 0.11 | 0.23 | 0.31 | 0.33 | 0.31 | 0.22 | 0.13 | 0.05 | 0.03 | |
| 5 | 0.02 | 0.01 | 0.04 | 0.10 | 0.24 | 0.26 | 0.32 | 0.35 | 0.21 | 0.15 | 0.04 | 0.02 | |
| 6 | 0.02 | 0.01 | 0.05 | 0.12 | 0.25 | 0.31 | 0.38 | 0.34 | 0.22 | 0.19 | 0.04 | 0.02 | |
| 7 | 0.02 | 0.02 | 0.05 | 0.11 | 0.26 | 0.35 | 0.24 | 0.33 | 0.23 | 0.16 | 0.04 | 0.02 | |
| 8 | 0.03 | 0.02 | 0.04 | 0.11 | 0.30 | 0.37 | 0.26 | 0.31 | 0.23 | 0.14 | 0.04 | 0.03 | |
| 9 | 0.03 | 0.02 | 0.05 | 0.14 | 0.26 | 0.33 | 0.31 | 0.35 | 0.16 | 0.13 | 0.04 | 0.02 | |
| 10 | 0.03 | 0.04 | 0.05 | 0.13 | 0.24 | 0.31 | 0.33 | 0.37 | 0.21 | 0.13 | 0.04 | 0.02 | |
| 11 | 0.02 | 0.03 | 0.07 | 0.15 | 0.25 | 0.31 | 0.34 | 0.30 | 0.22 | 0.11 | 0.04 | 0.04 | |
| 12 | 0.02 | 0.04 | 0.07 | 0.07 | 0.28 | 0.31 | 0.25 | 0.29 | 0.19 | 0.13 | 0.05 | 0.02 | |
| 13 | 0.02 | 0.03 | 0.06 | 0.12 | 0.32 | 0.32 | 0.29 | 0.32 | 0.20 | 0.11 | 0.04 | 0.02 | |
| 14 | 0.03 | 0.02 | 0.06 | 0.17 | 0.28 | 0.36 | 0.32 | 0.33 | 0.22 | 0.10 | 0.04 | 0.03 | |
| 15 | 0.02 | 0.03 | 0.08 | 0.22 | 0.29 | 0.40 | 0.34 | 0.32 | 0.23 | 0.09 | 0.04 | 0.02 | |
| 16 | 0.02 | 0.02 | 0.07 | 0.19 | 0.29 | 0.36 | 0.34 | 0.27 | 0.23 | 0.13 | 0.03 | 0.02 | |
| 17 | 0.02 | 0.02 | 0.06 | 0.19 | 0.28 | 0.37 | 0.35 | 0.32 | 0.23 | 0.17 | 0.04 | 0.02 | |
| 18 | 0.02 | 0.02 | 0.06 | 0.19 | 0.32 | 0.34 | 0.33 | 0.32 | 0.22 | 0.11 | 0.03 | 0.02 | |
| 19 | 0.02 | 0.03 | 0.07 | 0.21 | 0.36 | 0.33 | 0.33 | 0.23 | 0.23 | 0.10 | 0.02 | 0.03 | |
| 20 | 0.02 | 0.04 | 0.10 | 0.27 | 0.30 | 0.34 | 0.42 | 0.29 | 0.18 | 0.12 | 0.03 | 0.03 | |
| 21 | 0.03 | 0.03 | 0.09 | 0.23 | 0.32 | 0.43 | 0.36 | 0.28 | 0.08 | 0.10 | 0.03 | 0.02 | |
| 22 | 0.02 | 0.05 | 0.08 | 0.23 | 0.28 | 0.37 | 0.33 | 0.30 | 0.16 | 0.09 | 0.04 | 0.04 | |
| 23 | 0.02 | 0.03 | 0.09 | 0.17 | 0.26 | 0.36 | 0.37 | 0.25 | 0.11 | 0.08 | 0.02 | 0.03 | |
| 24 | 0.02 | 0.03 | 0.08 | 0.15 | 0.28 | 0.33 | 0.36 | 0.26 | 0.14 | 0.07 | 0.03 | 0.03 | |
| 25 | 0.02 | 0.04 | 0.07 | 0.18 | 0.31 | 0.42 | 0.38 | 0.29 | 0.15 | 0.07 | 0.02 | 0.02 | |
| 26 | 0.02 | 0.03 | 0.08 | 0.20 | 0.32 | 0.38 | 0.33 | 0.30 | 0.16 | 0.07 | 0.02 | 0.02 | |
| 27 | 0.02 | 0.03 | 0.09 | 0.23 | 0.33 | 0.34 | 0.25 | 0.31 | 0.19 | 0.06 | 0.02 | 0.03 | |
| 28 | 0.03 | 0.04 | 0.09 | 0.26 | 0.34 | 0.39 | 0.22 | 0.25 | 0.25 | 0.06 | 0.02 | 0.02 | |
| 29 | 0.02 | | 0.10 | 0.16 | 0.37 | 0.36 | 0.23 | 0.21 | 0.25 | 0.10 | 0.02 | 0.01 | |
| 30 | 0.02 | | 0.13 | 0.10 | 0.31 | 0.38 | 0.31 | 0.29 | 0.16 | 0.11 | 0.02 | 0.02 | |
| 31 | 0.02 | | 0.13 | | 0.33 | | 0.36 | 0.26 | | 0.07 | | 0.02 | |

Sc-high

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.207 | 0.207 | 0.257 | 0.572 | 0.877 | 1.070 | 1.070 | 1.070 | 0.947 | 0.683 | 0.410 | 0.200 |
| 2 | 0.207 | 0.207 | 0.268 | 0.582 | 0.887 | 1.070 | 1.070 | 1.070 | 0.938 | 0.674 | 0.401 | 0.200 |
| 3 | 0.207 | 0.207 | 0.278 | 0.593 | 0.897 | 1.070 | 1.070 | 1.070 | 0.929 | 0.665 | 0.392 | 0.200 |
| 4 | 0.207 | 0.207 | 0.288 | 0.603 | 0.907 | 1.070 | 1.070 | 1.070 | 0.920 | 0.656 | 0.384 | 0.200 |
| 5 | 0.207 | 0.207 | 0.298 | 0.613 | 0.918 | 1.070 | 1.070 | 1.070 | 0.912 | 0.648 | 0.375 | 0.200 |
| 6 | 0.207 | 0.207 | 0.308 | 0.623 | 0.928 | 1.070 | 1.070 | 1.070 | 0.903 | 0.639 | 0.366 | 0.200 |
| 7 | 0.207 | 0.207 | 0.318 | 0.633 | 0.938 | 1.070 | 1.070 | 1.070 | 0.894 | 0.630 | 0.357 | 0.200 |
| 8 | 0.207 | 0.207 | 0.328 | 0.643 | 0.948 | 1.070 | 1.070 | 1.070 | 0.885 | 0.621 | 0.348 | 0.200 |
| 9 | 0.207 | 0.207 | 0.339 | 0.653 | 0.958 | 1.070 | 1.070 | 1.070 | 0.876 | 0.612 | 0.340 | 0.200 |
| 10 | 0.207 | 0.207 | 0.349 | 0.664 | 0.968 | 1.070 | 1.070 | 1.070 | 0.868 | 0.604 | 0.331 | 0.200 |
| 11 | 0.207 | 0.207 | 0.359 | 0.674 | 0.979 | 1.070 | 1.070 | 1.070 | 0.859 | 0.595 | 0.322 | 0.200 |
| 12 | 0.207 | 0.207 | 0.369 | 0.684 | 0.989 | 1.070 | 1.070 | 1.070 | 0.850 | 0.586 | 0.313 | 0.200 |
| 13 | 0.207 | 0.207 | 0.379 | 0.694 | 0.999 | 1.070 | 1.070 | 1.070 | 0.841 | 0.577 | 0.304 | 0.200 |
| 14 | 0.207 | 0.207 | 0.389 | 0.704 | 1.009 | 1.070 | 1.070 | 1.070 | 0.832 | 0.568 | 0.296 | 0.200 |
| 15 | 0.207 | 0.207 | 0.400 | 0.714 | 1.019 | 1.070 | 1.070 | 1.070 | 0.824 | 0.560 | 0.287 | 0.200 |
| 16 | 0.207 | 0.207 | 0.410 | 0.725 | 1.029 | 1.070 | 1.070 | 1.070 | 0.815 | 0.551 | 0.278 | 0.200 |
| 17 | 0.207 | 0.207 | 0.420 | 0.735 | 1.039 | 1.070 | 1.070 | 1.070 | 0.806 | 0.542 | 0.269 | 0.200 |
| 18 | 0.207 | 0.207 | 0.430 | 0.745 | 1.050 | 1.070 | 1.070 | 1.070 | 0.797 | 0.533 | 0.260 | 0.200 |
| 19 | 0.207 | 0.207 | 0.440 | 0.755 | 1.060 | 1.070 | 1.070 | 1.061 | 0.788 | 0.524 | 0.252 | 0.200 |
| 20 | 0.207 | 0.207 | 0.450 | 0.765 | 1.070 | 1.070 | 1.070 | 1.052 | 0.780 | 0.516 | 0.243 | 0.200 |
| 21 | 0.207 | 0.207 | 0.461 | 0.775 | 1.070 | 1.070 | 1.070 | 1.044 | 0.771 | 0.507 | 0.234 | 0.200 |
| 22 | 0.207 | 0.207 | 0.471 | 0.786 | 1.070 | 1.070 | 1.070 | 1.035 | 0.762 | 0.498 | 0.225 | 0.200 |
| 23 | 0.207 | 0.207 | 0.481 | 0.796 | 1.070 | 1.070 | 1.070 | 1.026 | 0.753 | 0.489 | 0.216 | 0.200 |
| 24 | 0.207 | 0.207 | 0.491 | 0.806 | 1.070 | 1.070 | 1.070 | 1.017 | 0.744 | 0.480 | 0.208 | 0.200 |
| 25 | 0.207 | 0.217 | 0.501 | 0.816 | 1.070 | 1.070 | 1.070 | 1.008 | 0.736 | 0.472 | 0.199 | 0.200 |
| 26 | 0.207 | 0.227 | 0.511 | 0.826 | 1.070 | 1.070 | 1.070 | 1.000 | 0.727 | 0.463 | 0.190 | 0.200 |
| 27 | 0.207 | 0.237 | 0.521 | 0.836 | 1.070 | 1.070 | 1.070 | 0.991 | 0.718 | 0.454 | 0.200 | 0.200 |
| 28 | 0.207 | 0.247 | 0.532 | 0.846 | 1.070 | 1.070 | 1.070 | 0.982 | 0.709 | 0.445 | 0.200 | 0.200 |
| 29 | 0.207 | | 0.542 | 0.857 | 1.070 | 1.070 | 1.070 | 0.973 | 0.700 | 0.436 | 0.200 | 0.200 |
| 30 | 0.207 | | 0.552 | 0.867 | 1.070 | 1.070 | 1.070 | 0.964 | 0.692 | 0.428 | 0.200 | 0.200 |
| 31 | 0.207 | | 0.562 | | 1.070 | | 1.070 | 0.956 | | 0.419 | | 0.200 |

ET calculations for Sheet AJ: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Sc/ms [11-60% salt cedar & 11-60% mesquite & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|-------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.05 | 0.06 | 0.16 | 0.24 | 0.41 | 0.36 | 0.36 | 0.16 | 0.08 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.09 | 0.22 | 0.32 | 0.42 | 0.31 | 0.33 | 0.18 | 0.09 | 0.04 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.09 | 0.21 | 0.34 | 0.41 | 0.32 | 0.25 | 0.15 | 0.09 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.10 | 0.22 | 0.32 | 0.35 | 0.33 | 0.25 | 0.16 | 0.08 | 0.04 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.10 | 0.22 | 0.27 | 0.34 | 0.36 | 0.25 | 0.18 | 0.06 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.11 | 0.24 | 0.33 | 0.40 | 0.36 | 0.25 | 0.23 | 0.06 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.10 | 0.25 | 0.36 | 0.25 | 0.35 | 0.27 | 0.19 | 0.05 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.10 | 0.28 | 0.39 | 0.27 | 0.33 | 0.26 | 0.18 | 0.06 | 0.04 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.13 | 0.25 | 0.34 | 0.32 | 0.36 | 0.18 | 0.16 | 0.06 | 0.02 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.12 | 0.23 | 0.32 | 0.34 | 0.39 | 0.24 | 0.16 | 0.06 | 0.02 | |
| 11 | 0.03 | 0.05 | 0.06 | 0.14 | 0.23 | 0.32 | 0.36 | 0.31 | 0.25 | 0.14 | 0.06 | 0.05 | |
| 12 | 0.03 | 0.06 | 0.06 | 0.07 | 0.26 | 0.33 | 0.26 | 0.30 | 0.22 | 0.16 | 0.07 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.11 | 0.31 | 0.34 | 0.30 | 0.33 | 0.23 | 0.15 | 0.07 | 0.02 | |
| 14 | 0.05 | 0.04 | 0.05 | 0.16 | 0.27 | 0.38 | 0.33 | 0.35 | 0.25 | 0.13 | 0.06 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.21 | 0.28 | 0.41 | 0.36 | 0.34 | 0.28 | 0.12 | 0.06 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.18 | 0.27 | 0.38 | 0.36 | 0.29 | 0.28 | 0.17 | 0.05 | 0.03 | |
| 17 | 0.02 | 0.04 | 0.06 | 0.17 | 0.27 | 0.38 | 0.37 | 0.33 | 0.28 | 0.22 | 0.07 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.06 | 0.18 | 0.31 | 0.36 | 0.35 | 0.33 | 0.27 | 0.15 | 0.04 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.19 | 0.34 | 0.34 | 0.35 | 0.24 | 0.27 | 0.13 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.09 | 0.25 | 0.29 | 0.36 | 0.44 | 0.30 | 0.21 | 0.16 | 0.05 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.08 | 0.22 | 0.31 | 0.45 | 0.38 | 0.30 | 0.10 | 0.13 | 0.04 | 0.03 | |
| 22 | 0.04 | 0.07 | 0.07 | 0.21 | 0.27 | 0.39 | 0.35 | 0.32 | 0.19 | 0.11 | 0.07 | 0.05 | |
| 23 | 0.03 | 0.05 | 0.09 | 0.16 | 0.26 | 0.37 | 0.39 | 0.27 | 0.13 | 0.10 | 0.04 | 0.05 | |
| 24 | 0.03 | 0.04 | 0.07 | 0.14 | 0.28 | 0.35 | 0.38 | 0.29 | 0.17 | 0.09 | 0.05 | 0.04 | |
| 25 | 0.02 | 0.06 | 0.06 | 0.17 | 0.31 | 0.44 | 0.40 | 0.32 | 0.18 | 0.10 | 0.05 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.07 | 0.19 | 0.32 | 0.39 | 0.35 | 0.34 | 0.20 | 0.09 | 0.04 | 0.04 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.22 | 0.33 | 0.35 | 0.26 | 0.35 | 0.23 | 0.08 | 0.03 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.08 | 0.25 | 0.35 | 0.41 | 0.23 | 0.29 | 0.30 | 0.09 | 0.03 | 0.03 | |
| 29 | 0.03 | | 0.09 | 0.15 | 0.38 | 0.37 | 0.24 | 0.23 | 0.31 | 0.14 | 0.04 | 0.02 | |
| 30 | 0.03 | | 0.12 | 0.10 | 0.33 | 0.40 | 0.32 | 0.33 | 0.19 | 0.15 | 0.03 | 0.03 | |
| 31 | 0.04 | | 0.12 | | 0.35 | | 0.38 | 0.30 | | 0.10 | | 0.03 | |

Sc/ms

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.527 | 0.828 | 1.120 | 1.120 | 1.120 | 1.087 | 0.838 | 0.580 | 0.331 |
| 2 | 0.315 | 0.315 | 0.315 | 0.537 | 0.838 | 1.120 | 1.120 | 1.120 | 1.078 | 0.829 | 0.572 | 0.323 |
| 3 | 0.315 | 0.315 | 0.315 | 0.547 | 0.848 | 1.120 | 1.120 | 1.120 | 1.070 | 0.821 | 0.564 | 0.315 |
| 4 | 0.315 | 0.315 | 0.315 | 0.557 | 0.858 | 1.120 | 1.120 | 1.120 | 1.062 | 0.813 | 0.556 | 0.307 |
| 5 | 0.315 | 0.315 | 0.315 | 0.567 | 0.868 | 1.120 | 1.120 | 1.120 | 1.054 | 0.805 | 0.547 | 0.298 |
| 6 | 0.315 | 0.315 | 0.315 | 0.577 | 0.879 | 1.120 | 1.120 | 1.120 | 1.045 | 0.796 | 0.539 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.587 | 0.889 | 1.120 | 1.120 | 1.120 | 1.037 | 0.788 | 0.531 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.597 | 0.899 | 1.120 | 1.120 | 1.120 | 1.029 | 0.780 | 0.522 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.607 | 0.909 | 1.120 | 1.120 | 1.120 | 1.020 | 0.771 | 0.514 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.617 | 0.919 | 1.120 | 1.120 | 1.120 | 1.012 | 0.763 | 0.506 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.627 | 0.929 | 1.120 | 1.120 | 1.120 | 1.004 | 0.755 | 0.497 | 0.300 |
| 12 | 0.315 | 0.315 | 0.325 | 0.637 | 0.939 | 1.120 | 1.120 | 1.120 | 0.995 | 0.746 | 0.489 | 0.300 |
| 13 | 0.315 | 0.315 | 0.335 | 0.647 | 0.949 | 1.120 | 1.120 | 1.120 | 0.987 | 0.738 | 0.481 | 0.300 |
| 14 | 0.315 | 0.315 | 0.345 | 0.657 | 0.959 | 1.120 | 1.120 | 1.120 | 0.979 | 0.730 | 0.473 | 0.300 |
| 15 | 0.315 | 0.315 | 0.356 | 0.667 | 0.969 | 1.120 | 1.120 | 1.120 | 0.971 | 0.722 | 0.464 | 0.300 |
| 16 | 0.315 | 0.315 | 0.366 | 0.677 | 0.979 | 1.120 | 1.120 | 1.120 | 0.962 | 0.713 | 0.456 | 0.300 |
| 17 | 0.315 | 0.315 | 0.376 | 0.687 | 0.989 | 1.120 | 1.120 | 1.120 | 0.954 | 0.705 | 0.448 | 0.300 |
| 18 | 0.315 | 0.315 | 0.386 | 0.697 | 0.999 | 1.120 | 1.120 | 1.120 | 0.946 | 0.697 | 0.439 | 0.300 |
| 19 | 0.315 | 0.315 | 0.396 | 0.708 | 1.009 | 1.120 | 1.120 | 1.120 | 0.937 | 0.688 | 0.431 | 0.300 |
| 20 | 0.315 | 0.315 | 0.406 | 0.718 | 1.019 | 1.120 | 1.120 | 1.120 | 0.929 | 0.680 | 0.423 | 0.300 |
| 21 | 0.315 | 0.315 | 0.416 | 0.728 | 1.029 | 1.120 | 1.120 | 1.120 | 0.921 | 0.672 | 0.414 | 0.300 |
| 22 | 0.315 | 0.315 | 0.426 | 0.738 | 1.039 | 1.120 | 1.120 | 1.120 | 0.912 | 0.663 | 0.406 | 0.300 |
| 23 | 0.315 | 0.315 | 0.436 | 0.748 | 1.050 | 1.120 | 1.120 | 1.120 | 0.904 | 0.655 | 0.398 | 0.300 |
| 24 | 0.315 | 0.315 | 0.446 | 0.758 | 1.060 | 1.120 | 1.120 | 1.120 | 0.896 | 0.647 | 0.390 | 0.300 |
| 25 | 0.315 | 0.315 | 0.456 | 0.768 | 1.070 | 1.120 | 1.120 | 1.120 | 0.888 | 0.639 | 0.381 | 0.300 |
| 26 | 0.315 | 0.315 | 0.466 | 0.778 | 1.080 | 1.120 | 1.120 | 1.120 | 0.879 | 0.630 | 0.373 | 0.300 |
| 27 | 0.315 | 0.315 | 0.476 | 0.788 | 1.090 | 1.120 | 1.120 | 1.120 | 0.871 | 0.622 | 0.365 | 0.300 |
| 28 | 0.315 | 0.315 | 0.486 | 0.798 | 1.100 | 1.120 | 1.120 | 1.120 | 0.863 | 0.614 | 0.356 | 0.300 |
| 29 | 0.315 | | 0.496 | 0.808 | 1.110 | 1.120 | 1.120 | 1.112 | 0.854 | 0.605 | 0.348 | 0.300 |
| 30 | 0.315 | | 0.506 | 0.818 | 1.120 | 1.120 | 1.120 | 1.103 | 0.846 | 0.597 | 0.340 | 0.300 |
| 31 | 0.315 | | 0.516 | | 1.120 | | 1.120 | 1.095 | | 0.589 | | 0.300 |

ET calculations for Sheet AK: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Sc/aw [\leq 75% salt cedar & \geq 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|-------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.05 | 0.06 | 0.16 | 0.23 | 0.39 | 0.34 | 0.35 | 0.16 | 0.08 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.08 | 0.21 | 0.31 | 0.40 | 0.29 | 0.32 | 0.18 | 0.09 | 0.04 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.09 | 0.20 | 0.33 | 0.39 | 0.31 | 0.25 | 0.15 | 0.09 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.09 | 0.21 | 0.31 | 0.33 | 0.31 | 0.25 | 0.17 | 0.08 | 0.04 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.09 | 0.21 | 0.26 | 0.32 | 0.34 | 0.25 | 0.19 | 0.06 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.11 | 0.22 | 0.31 | 0.38 | 0.34 | 0.26 | 0.24 | 0.06 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.10 | 0.24 | 0.35 | 0.23 | 0.33 | 0.28 | 0.20 | 0.06 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.10 | 0.27 | 0.37 | 0.25 | 0.31 | 0.27 | 0.18 | 0.07 | 0.04 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.13 | 0.24 | 0.33 | 0.31 | 0.35 | 0.19 | 0.16 | 0.06 | 0.02 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.12 | 0.22 | 0.30 | 0.33 | 0.37 | 0.25 | 0.16 | 0.06 | 0.02 | |
| 11 | 0.03 | 0.05 | 0.06 | 0.13 | 0.22 | 0.31 | 0.34 | 0.29 | 0.26 | 0.14 | 0.06 | 0.05 | |
| 12 | 0.03 | 0.06 | 0.06 | 0.07 | 0.25 | 0.31 | 0.25 | 0.29 | 0.23 | 0.17 | 0.08 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.11 | 0.29 | 0.32 | 0.29 | 0.32 | 0.24 | 0.15 | 0.07 | 0.02 | |
| 14 | 0.05 | 0.04 | 0.05 | 0.15 | 0.25 | 0.36 | 0.32 | 0.33 | 0.26 | 0.13 | 0.06 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.20 | 0.27 | 0.39 | 0.34 | 0.32 | 0.28 | 0.12 | 0.06 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.17 | 0.26 | 0.36 | 0.34 | 0.27 | 0.28 | 0.18 | 0.05 | 0.03 | |
| 17 | 0.02 | 0.04 | 0.06 | 0.17 | 0.26 | 0.36 | 0.35 | 0.32 | 0.28 | 0.22 | 0.07 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.06 | 0.17 | 0.29 | 0.34 | 0.33 | 0.32 | 0.27 | 0.15 | 0.04 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.18 | 0.33 | 0.32 | 0.33 | 0.23 | 0.28 | 0.13 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.09 | 0.24 | 0.28 | 0.34 | 0.41 | 0.29 | 0.22 | 0.16 | 0.05 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.08 | 0.21 | 0.29 | 0.43 | 0.36 | 0.28 | 0.10 | 0.13 | 0.05 | 0.03 | |
| 22 | 0.04 | 0.07 | 0.07 | 0.20 | 0.26 | 0.37 | 0.33 | 0.31 | 0.20 | 0.12 | 0.07 | 0.05 | |
| 23 | 0.03 | 0.05 | 0.08 | 0.15 | 0.24 | 0.35 | 0.37 | 0.25 | 0.14 | 0.10 | 0.05 | 0.05 | |
| 24 | 0.03 | 0.04 | 0.07 | 0.14 | 0.26 | 0.33 | 0.36 | 0.27 | 0.18 | 0.09 | 0.05 | 0.04 | |
| 25 | 0.02 | 0.06 | 0.06 | 0.16 | 0.30 | 0.42 | 0.38 | 0.31 | 0.19 | 0.10 | 0.05 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.07 | 0.18 | 0.31 | 0.37 | 0.33 | 0.32 | 0.20 | 0.09 | 0.04 | 0.04 | |
| 27 | 0.03 | 0.04 | 0.08 | 0.21 | 0.32 | 0.34 | 0.25 | 0.33 | 0.23 | 0.08 | 0.03 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.08 | 0.24 | 0.34 | 0.39 | 0.22 | 0.27 | 0.31 | 0.09 | 0.03 | 0.03 | |
| 29 | 0.03 | | 0.09 | 0.14 | 0.36 | 0.36 | 0.23 | 0.23 | 0.32 | 0.14 | 0.04 | 0.02 | |
| 30 | 0.03 | | 0.12 | 0.09 | 0.31 | 0.38 | 0.31 | 0.32 | 0.20 | 0.16 | 0.03 | 0.03 | |
| 31 | 0.04 | | 0.12 | | 0.33 | | 0.36 | 0.29 | | 0.10 | | 0.03 | |

Sc/aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.512 | 0.793 | 1.065 | 1.065 | 1.065 | 1.065 | 0.859 | 0.592 | 0.333 |
| 2 | 0.315 | 0.315 | 0.315 | 0.522 | 0.803 | 1.065 | 1.065 | 1.065 | 1.065 | 0.850 | 0.583 | 0.324 |
| 3 | 0.315 | 0.315 | 0.315 | 0.531 | 0.812 | 1.065 | 1.065 | 1.065 | 1.065 | 0.841 | 0.574 | 0.316 |
| 4 | 0.315 | 0.315 | 0.315 | 0.540 | 0.822 | 1.065 | 1.065 | 1.065 | 1.065 | 0.833 | 0.566 | 0.307 |
| 5 | 0.315 | 0.315 | 0.315 | 0.550 | 0.831 | 1.065 | 1.065 | 1.065 | 1.065 | 0.824 | 0.557 | 0.299 |
| 6 | 0.315 | 0.315 | 0.315 | 0.559 | 0.840 | 1.065 | 1.065 | 1.065 | 1.065 | 0.816 | 0.548 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.568 | 0.850 | 1.065 | 1.065 | 1.065 | 1.065 | 0.807 | 0.540 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.578 | 0.859 | 1.065 | 1.065 | 1.065 | 1.057 | 0.798 | 0.531 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.587 | 0.869 | 1.065 | 1.065 | 1.065 | 1.048 | 0.790 | 0.523 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.597 | 0.878 | 1.065 | 1.065 | 1.065 | 1.040 | 0.781 | 0.514 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.606 | 0.887 | 1.065 | 1.065 | 1.065 | 1.031 | 0.772 | 0.505 | 0.300 |
| 12 | 0.315 | 0.315 | 0.325 | 0.615 | 0.897 | 1.065 | 1.065 | 1.065 | 1.022 | 0.764 | 0.497 | 0.300 |
| 13 | 0.315 | 0.315 | 0.334 | 0.625 | 0.906 | 1.065 | 1.065 | 1.065 | 1.014 | 0.755 | 0.488 | 0.300 |
| 14 | 0.315 | 0.315 | 0.343 | 0.634 | 0.915 | 1.065 | 1.065 | 1.065 | 1.005 | 0.747 | 0.480 | 0.300 |
| 15 | 0.315 | 0.315 | 0.353 | 0.643 | 0.925 | 1.065 | 1.065 | 1.065 | 0.996 | 0.738 | 0.471 | 0.300 |
| 16 | 0.315 | 0.315 | 0.362 | 0.653 | 0.934 | 1.065 | 1.065 | 1.065 | 0.988 | 0.729 | 0.462 | 0.300 |
| 17 | 0.315 | 0.315 | 0.372 | 0.662 | 0.944 | 1.065 | 1.065 | 1.065 | 0.979 | 0.721 | 0.454 | 0.300 |
| 18 | 0.315 | 0.315 | 0.381 | 0.672 | 0.953 | 1.065 | 1.065 | 1.065 | 0.971 | 0.712 | 0.445 | 0.300 |
| 19 | 0.315 | 0.315 | 0.390 | 0.681 | 0.962 | 1.065 | 1.065 | 1.065 | 0.962 | 0.704 | 0.436 | 0.300 |
| 20 | 0.315 | 0.315 | 0.400 | 0.690 | 0.972 | 1.065 | 1.065 | 1.065 | 0.953 | 0.695 | 0.428 | 0.300 |
| 21 | 0.315 | 0.315 | 0.409 | 0.700 | 0.981 | 1.065 | 1.065 | 1.065 | 0.945 | 0.686 | 0.419 | 0.300 |
| 22 | 0.315 | 0.315 | 0.418 | 0.709 | 0.990 | 1.065 | 1.065 | 1.065 | 0.936 | 0.678 | 0.411 | 0.300 |
| 23 | 0.315 | 0.315 | 0.428 | 0.718 | 1.000 | 1.065 | 1.065 | 1.065 | 0.928 | 0.669 | 0.402 | 0.300 |
| 24 | 0.315 | 0.315 | 0.437 | 0.728 | 1.009 | 1.065 | 1.065 | 1.065 | 0.919 | 0.660 | 0.393 | 0.300 |
| 25 | 0.315 | 0.315 | 0.447 | 0.737 | 1.019 | 1.065 | 1.065 | 1.065 | 0.910 | 0.652 | 0.385 | 0.300 |
| 26 | 0.315 | 0.315 | 0.456 | 0.747 | 1.028 | 1.065 | 1.065 | 1.065 | 0.902 | 0.643 | 0.376 | 0.300 |
| 27 | 0.315 | 0.315 | 0.465 | 0.756 | 1.037 | 1.065 | 1.065 | 1.065 | 0.893 | 0.635 | 0.368 | 0.300 |
| 28 | 0.315 | 0.315 | 0.475 | 0.765 | 1.047 | 1.065 | 1.065 | 1.065 | 0.884 | 0.626 | 0.359 | 0.300 |
| 29 | 0.315 | | 0.484 | 0.775 | 1.056 | 1.065 | 1.065 | 1.065 | 0.876 | 0.617 | 0.350 | 0.300 |
| 30 | 0.315 | | 0.493 | 0.784 | 1.065 | 1.065 | 1.065 | 1.065 | 0.867 | 0.609 | 0.342 | 0.300 |
| 31 | 0.315 | | 0.503 | | 1.065 | | 1.065 | 1.065 | | 0.600 | | 0.300 |

ET calculations for Sheet AL: Page 1 of 2

Yuma Area - Average of 3 Local AZMET Stations

1999 PHREATOPHYTE ET

(Sheet to calculate ET for Phreatophyte area classified Sc/ms/aw [15-45% salt cedar & 15-45% mesquite & 20-40% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|-------|-------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.05 | 0.06 | 0.16 | 0.23 | 0.39 | 0.34 | 0.35 | 0.17 | 0.09 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.08 | 0.21 | 0.31 | 0.40 | 0.29 | 0.32 | 0.19 | 0.09 | 0.04 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.09 | 0.20 | 0.33 | 0.39 | 0.31 | 0.25 | 0.16 | 0.10 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.09 | 0.21 | 0.31 | 0.33 | 0.31 | 0.25 | 0.18 | 0.08 | 0.04 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.09 | 0.21 | 0.26 | 0.32 | 0.34 | 0.25 | 0.20 | 0.06 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.11 | 0.22 | 0.31 | 0.38 | 0.34 | 0.26 | 0.26 | 0.07 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.10 | 0.24 | 0.35 | 0.23 | 0.33 | 0.28 | 0.22 | 0.06 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.10 | 0.27 | 0.37 | 0.25 | 0.31 | 0.27 | 0.20 | 0.07 | 0.04 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.13 | 0.24 | 0.33 | 0.31 | 0.35 | 0.19 | 0.18 | 0.06 | 0.02 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.12 | 0.22 | 0.30 | 0.33 | 0.37 | 0.25 | 0.18 | 0.06 | 0.02 | |
| 11 | 0.03 | 0.05 | 0.06 | 0.13 | 0.22 | 0.31 | 0.34 | 0.29 | 0.27 | 0.15 | 0.06 | 0.05 | |
| 12 | 0.03 | 0.06 | 0.06 | 0.07 | 0.25 | 0.31 | 0.25 | 0.29 | 0.24 | 0.18 | 0.08 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.11 | 0.29 | 0.32 | 0.29 | 0.32 | 0.25 | 0.16 | 0.07 | 0.02 | |
| 14 | 0.05 | 0.04 | 0.05 | 0.15 | 0.25 | 0.36 | 0.32 | 0.33 | 0.28 | 0.14 | 0.07 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.20 | 0.27 | 0.39 | 0.34 | 0.32 | 0.30 | 0.13 | 0.06 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.17 | 0.26 | 0.36 | 0.34 | 0.27 | 0.30 | 0.19 | 0.05 | 0.03 | |
| 17 | 0.02 | 0.04 | 0.06 | 0.17 | 0.26 | 0.36 | 0.35 | 0.32 | 0.31 | 0.24 | 0.07 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.06 | 0.17 | 0.29 | 0.34 | 0.33 | 0.32 | 0.30 | 0.16 | 0.05 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.18 | 0.33 | 0.32 | 0.33 | 0.23 | 0.30 | 0.14 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.09 | 0.24 | 0.28 | 0.34 | 0.41 | 0.29 | 0.24 | 0.17 | 0.05 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.08 | 0.21 | 0.29 | 0.43 | 0.36 | 0.28 | 0.11 | 0.14 | 0.05 | 0.03 | |
| 22 | 0.04 | 0.07 | 0.07 | 0.20 | 0.26 | 0.37 | 0.33 | 0.31 | 0.22 | 0.13 | 0.07 | 0.05 | |
| 23 | 0.03 | 0.05 | 0.08 | 0.15 | 0.24 | 0.35 | 0.37 | 0.25 | 0.15 | 0.11 | 0.05 | 0.05 | |
| 24 | 0.03 | 0.04 | 0.07 | 0.14 | 0.26 | 0.33 | 0.36 | 0.27 | 0.19 | 0.10 | 0.05 | 0.04 | |
| 25 | 0.02 | 0.06 | 0.06 | 0.16 | 0.30 | 0.42 | 0.38 | 0.31 | 0.20 | 0.11 | 0.05 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.07 | 0.18 | 0.31 | 0.37 | 0.33 | 0.32 | 0.22 | 0.10 | 0.04 | 0.04 | |
| 27 | 0.03 | 0.04 | 0.08 | 0.21 | 0.32 | 0.34 | 0.25 | 0.33 | 0.25 | 0.09 | 0.03 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.08 | 0.24 | 0.34 | 0.39 | 0.22 | 0.27 | 0.33 | 0.09 | 0.03 | 0.03 | |
| 29 | 0.03 | | 0.09 | 0.14 | 0.36 | 0.36 | 0.23 | 0.23 | 0.34 | 0.15 | 0.04 | 0.02 | |
| 30 | 0.03 | | 0.12 | 0.09 | 0.31 | 0.38 | 0.31 | 0.32 | 0.21 | 0.17 | 0.03 | 0.03 | |
| 31 | 0.04 | | 0.12 | | 0.33 | | 0.36 | 0.29 | | 0.11 | | 0.03 | |

(Daily Kp values)

Sheet AL: Page 2 of 2

1999 PHREATOPHYTE ET

Sc/ms/aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.512 | 0.793 | 1.065 | 1.065 | 1.065 | 1.065 | 0.930 | 0.629 | 0.338 |
| 2 | 0.315 | 0.315 | 0.315 | 0.522 | 0.803 | 1.065 | 1.065 | 1.065 | 1.065 | 0.920 | 0.620 | 0.329 |
| 3 | 0.315 | 0.315 | 0.315 | 0.531 | 0.812 | 1.065 | 1.065 | 1.065 | 1.065 | 0.910 | 0.610 | 0.319 |
| 4 | 0.315 | 0.315 | 0.315 | 0.540 | 0.822 | 1.065 | 1.065 | 1.065 | 1.065 | 0.901 | 0.600 | 0.309 |
| 5 | 0.315 | 0.315 | 0.315 | 0.550 | 0.831 | 1.065 | 1.065 | 1.065 | 1.065 | 0.891 | 0.590 | 0.300 |
| 6 | 0.315 | 0.315 | 0.315 | 0.559 | 0.840 | 1.065 | 1.065 | 1.065 | 1.065 | 0.881 | 0.581 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.568 | 0.850 | 1.065 | 1.065 | 1.065 | 1.065 | 0.872 | 0.571 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.578 | 0.859 | 1.065 | 1.065 | 1.065 | 1.065 | 0.862 | 0.561 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.587 | 0.869 | 1.065 | 1.065 | 1.065 | 1.065 | 0.852 | 0.552 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.597 | 0.878 | 1.065 | 1.065 | 1.065 | 1.065 | 0.842 | 0.542 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.606 | 0.887 | 1.065 | 1.065 | 1.065 | 1.065 | 0.833 | 0.532 | 0.300 |
| 12 | 0.315 | 0.315 | 0.325 | 0.615 | 0.897 | 1.065 | 1.065 | 1.065 | 1.065 | 0.823 | 0.523 | 0.300 |
| 13 | 0.315 | 0.315 | 0.334 | 0.625 | 0.906 | 1.065 | 1.065 | 1.065 | 1.065 | 0.813 | 0.513 | 0.300 |
| 14 | 0.315 | 0.315 | 0.343 | 0.634 | 0.915 | 1.065 | 1.065 | 1.065 | 1.065 | 0.804 | 0.503 | 0.300 |
| 15 | 0.315 | 0.315 | 0.353 | 0.643 | 0.925 | 1.065 | 1.065 | 1.065 | 1.065 | 0.794 | 0.494 | 0.300 |
| 16 | 0.315 | 0.315 | 0.362 | 0.653 | 0.934 | 1.065 | 1.065 | 1.065 | 1.065 | 0.784 | 0.484 | 0.300 |
| 17 | 0.315 | 0.315 | 0.372 | 0.662 | 0.944 | 1.065 | 1.065 | 1.065 | 1.065 | 0.775 | 0.474 | 0.300 |
| 18 | 0.315 | 0.315 | 0.381 | 0.672 | 0.953 | 1.065 | 1.065 | 1.065 | 1.056 | 0.765 | 0.464 | 0.300 |
| 19 | 0.315 | 0.315 | 0.390 | 0.681 | 0.962 | 1.065 | 1.065 | 1.065 | 1.046 | 0.755 | 0.455 | 0.300 |
| 20 | 0.315 | 0.315 | 0.400 | 0.690 | 0.972 | 1.065 | 1.065 | 1.065 | 1.036 | 0.746 | 0.445 | 0.300 |
| 21 | 0.315 | 0.315 | 0.409 | 0.700 | 0.981 | 1.065 | 1.065 | 1.065 | 1.027 | 0.736 | 0.435 | 0.300 |
| 22 | 0.315 | 0.315 | 0.418 | 0.709 | 0.990 | 1.065 | 1.065 | 1.065 | 1.017 | 0.726 | 0.426 | 0.300 |
| 23 | 0.315 | 0.315 | 0.428 | 0.718 | 1.000 | 1.065 | 1.065 | 1.065 | 1.007 | 0.716 | 0.416 | 0.300 |
| 24 | 0.315 | 0.315 | 0.437 | 0.728 | 1.009 | 1.065 | 1.065 | 1.065 | 0.998 | 0.707 | 0.406 | 0.300 |
| 25 | 0.315 | 0.315 | 0.447 | 0.737 | 1.019 | 1.065 | 1.065 | 1.065 | 0.988 | 0.697 | 0.397 | 0.300 |
| 26 | 0.315 | 0.315 | 0.456 | 0.747 | 1.028 | 1.065 | 1.065 | 1.065 | 0.978 | 0.687 | 0.387 | 0.300 |
| 27 | 0.315 | 0.315 | 0.465 | 0.756 | 1.037 | 1.065 | 1.065 | 1.065 | 0.968 | 0.678 | 0.377 | 0.300 |
| 28 | 0.315 | 0.315 | 0.475 | 0.765 | 1.047 | 1.065 | 1.065 | 1.065 | 0.959 | 0.668 | 0.368 | 0.300 |
| 29 | 0.315 | | 0.484 | 0.775 | 1.056 | 1.065 | 1.065 | 1.065 | 0.949 | 0.658 | 0.358 | 0.300 |
| 30 | 0.315 | | 0.493 | 0.784 | 1.065 | 1.065 | 1.065 | 1.065 | 0.939 | 0.649 | 0.348 | 0.300 |
| 31 | 0.315 | | 0.503 | | 1.065 | | 1.065 | 1.065 | | 0.639 | | 0.300 |

ET calculations for Sheet AM: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Ms-low [11-60% screwbean/honey mesquite & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.05 | 0.05 | 0.11 | 0.15 | 0.28 | 0.25 | 0.25 | 0.14 | 0.08 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.06 | 0.14 | 0.20 | 0.29 | 0.21 | 0.23 | 0.16 | 0.08 | 0.04 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.06 | 0.13 | 0.22 | 0.28 | 0.22 | 0.18 | 0.14 | 0.09 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.07 | 0.14 | 0.21 | 0.24 | 0.22 | 0.18 | 0.15 | 0.07 | 0.04 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.07 | 0.14 | 0.17 | 0.23 | 0.25 | 0.18 | 0.18 | 0.06 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.08 | 0.15 | 0.21 | 0.27 | 0.24 | 0.19 | 0.22 | 0.06 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.07 | 0.16 | 0.24 | 0.17 | 0.24 | 0.20 | 0.19 | 0.05 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.07 | 0.18 | 0.25 | 0.18 | 0.22 | 0.20 | 0.17 | 0.06 | 0.04 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.09 | 0.16 | 0.23 | 0.22 | 0.25 | 0.14 | 0.16 | 0.06 | 0.02 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.08 | 0.14 | 0.21 | 0.23 | 0.26 | 0.18 | 0.16 | 0.05 | 0.02 | |
| 11 | 0.03 | 0.05 | 0.06 | 0.09 | 0.15 | 0.22 | 0.24 | 0.21 | 0.19 | 0.14 | 0.06 | 0.05 | |
| 12 | 0.03 | 0.06 | 0.06 | 0.05 | 0.17 | 0.22 | 0.18 | 0.20 | 0.17 | 0.16 | 0.07 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.08 | 0.19 | 0.23 | 0.21 | 0.23 | 0.18 | 0.14 | 0.07 | 0.02 | |
| 14 | 0.05 | 0.04 | 0.05 | 0.11 | 0.17 | 0.26 | 0.23 | 0.24 | 0.20 | 0.13 | 0.06 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.06 | 0.14 | 0.18 | 0.28 | 0.25 | 0.23 | 0.22 | 0.11 | 0.06 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.12 | 0.17 | 0.26 | 0.25 | 0.19 | 0.22 | 0.17 | 0.05 | 0.03 | |
| 17 | 0.02 | 0.04 | 0.05 | 0.12 | 0.17 | 0.26 | 0.25 | 0.23 | 0.22 | 0.21 | 0.07 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.05 | 0.12 | 0.19 | 0.24 | 0.24 | 0.23 | 0.22 | 0.14 | 0.04 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.05 | 0.13 | 0.21 | 0.23 | 0.24 | 0.17 | 0.22 | 0.12 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.07 | 0.17 | 0.18 | 0.24 | 0.30 | 0.21 | 0.18 | 0.15 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.06 | 0.14 | 0.19 | 0.31 | 0.26 | 0.20 | 0.08 | 0.13 | 0.04 | 0.03 | |
| 22 | 0.04 | 0.07 | 0.06 | 0.14 | 0.17 | 0.26 | 0.24 | 0.22 | 0.16 | 0.11 | 0.06 | 0.05 | |
| 23 | 0.03 | 0.05 | 0.06 | 0.11 | 0.16 | 0.25 | 0.27 | 0.18 | 0.11 | 0.10 | 0.04 | 0.05 | |
| 24 | 0.03 | 0.04 | 0.05 | 0.09 | 0.17 | 0.24 | 0.26 | 0.20 | 0.15 | 0.09 | 0.05 | 0.04 | |
| 25 | 0.02 | 0.06 | 0.05 | 0.11 | 0.19 | 0.30 | 0.27 | 0.22 | 0.16 | 0.09 | 0.05 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.05 | 0.12 | 0.20 | 0.27 | 0.24 | 0.23 | 0.17 | 0.09 | 0.04 | 0.04 | |
| 27 | 0.03 | 0.04 | 0.06 | 0.14 | 0.20 | 0.24 | 0.18 | 0.24 | 0.20 | 0.08 | 0.03 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.06 | 0.16 | 0.22 | 0.28 | 0.15 | 0.19 | 0.27 | 0.08 | 0.03 | 0.03 | |
| 29 | 0.03 | | 0.07 | 0.10 | 0.23 | 0.26 | 0.17 | 0.16 | 0.28 | 0.14 | 0.04 | 0.02 | |
| 30 | 0.03 | | 0.09 | 0.06 | 0.20 | 0.27 | 0.22 | 0.23 | 0.17 | 0.15 | 0.03 | 0.03 | |
| 31 | 0.04 | | 0.09 | | 0.21 | | 0.26 | 0.21 | | 0.10 | | 0.03 | |

Ms-low

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.374 | 0.532 | 0.697 | 0.765 | 0.765 | 0.765 | 0.765 | 0.567 | 0.330 |
| 2 | 0.315 | 0.315 | 0.315 | 0.379 | 0.538 | 0.702 | 0.765 | 0.765 | 0.765 | 0.765 | 0.559 | 0.322 |
| 3 | 0.315 | 0.315 | 0.315 | 0.384 | 0.543 | 0.707 | 0.765 | 0.765 | 0.765 | 0.765 | 0.551 | 0.314 |
| 4 | 0.315 | 0.315 | 0.315 | 0.389 | 0.548 | 0.712 | 0.765 | 0.765 | 0.765 | 0.765 | 0.544 | 0.306 |
| 5 | 0.315 | 0.315 | 0.315 | 0.395 | 0.554 | 0.718 | 0.765 | 0.765 | 0.765 | 0.765 | 0.536 | 0.298 |
| 6 | 0.315 | 0.315 | 0.315 | 0.400 | 0.559 | 0.723 | 0.765 | 0.765 | 0.765 | 0.765 | 0.528 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.405 | 0.564 | 0.728 | 0.765 | 0.765 | 0.765 | 0.765 | 0.520 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.411 | 0.569 | 0.734 | 0.765 | 0.765 | 0.765 | 0.757 | 0.512 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.416 | 0.575 | 0.739 | 0.765 | 0.765 | 0.765 | 0.750 | 0.504 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.421 | 0.580 | 0.744 | 0.765 | 0.765 | 0.765 | 0.742 | 0.496 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.426 | 0.585 | 0.750 | 0.765 | 0.765 | 0.765 | 0.734 | 0.488 | 0.300 |
| 12 | 0.315 | 0.315 | 0.315 | 0.432 | 0.591 | 0.755 | 0.765 | 0.765 | 0.765 | 0.726 | 0.480 | 0.300 |
| 13 | 0.315 | 0.315 | 0.315 | 0.437 | 0.596 | 0.760 | 0.765 | 0.765 | 0.765 | 0.718 | 0.472 | 0.300 |
| 14 | 0.315 | 0.315 | 0.315 | 0.442 | 0.601 | 0.765 | 0.765 | 0.765 | 0.765 | 0.710 | 0.464 | 0.300 |
| 15 | 0.315 | 0.315 | 0.315 | 0.448 | 0.607 | 0.765 | 0.765 | 0.765 | 0.765 | 0.702 | 0.456 | 0.300 |
| 16 | 0.315 | 0.315 | 0.315 | 0.453 | 0.612 | 0.765 | 0.765 | 0.765 | 0.765 | 0.694 | 0.448 | 0.300 |
| 17 | 0.315 | 0.315 | 0.315 | 0.458 | 0.617 | 0.765 | 0.765 | 0.765 | 0.765 | 0.686 | 0.441 | 0.300 |
| 18 | 0.315 | 0.315 | 0.315 | 0.464 | 0.622 | 0.765 | 0.765 | 0.765 | 0.765 | 0.678 | 0.433 | 0.300 |
| 19 | 0.315 | 0.315 | 0.315 | 0.469 | 0.628 | 0.765 | 0.765 | 0.765 | 0.765 | 0.670 | 0.425 | 0.300 |
| 20 | 0.315 | 0.315 | 0.315 | 0.474 | 0.633 | 0.765 | 0.765 | 0.765 | 0.765 | 0.662 | 0.417 | 0.300 |
| 21 | 0.315 | 0.315 | 0.315 | 0.479 | 0.638 | 0.765 | 0.765 | 0.765 | 0.765 | 0.654 | 0.409 | 0.300 |
| 22 | 0.315 | 0.315 | 0.321 | 0.485 | 0.644 | 0.765 | 0.765 | 0.765 | 0.765 | 0.647 | 0.401 | 0.300 |
| 23 | 0.315 | 0.315 | 0.326 | 0.490 | 0.649 | 0.765 | 0.765 | 0.765 | 0.765 | 0.639 | 0.393 | 0.300 |
| 24 | 0.315 | 0.315 | 0.331 | 0.495 | 0.654 | 0.765 | 0.765 | 0.765 | 0.765 | 0.631 | 0.385 | 0.300 |
| 25 | 0.315 | 0.315 | 0.336 | 0.501 | 0.659 | 0.765 | 0.765 | 0.765 | 0.765 | 0.623 | 0.377 | 0.300 |
| 26 | 0.315 | 0.315 | 0.342 | 0.506 | 0.665 | 0.765 | 0.765 | 0.765 | 0.765 | 0.615 | 0.369 | 0.300 |
| 27 | 0.315 | 0.315 | 0.347 | 0.511 | 0.670 | 0.765 | 0.765 | 0.765 | 0.765 | 0.607 | 0.361 | 0.300 |
| 28 | 0.315 | 0.315 | 0.352 | 0.517 | 0.675 | 0.765 | 0.765 | 0.765 | 0.765 | 0.599 | 0.353 | 0.300 |
| 29 | 0.315 | | 0.358 | 0.522 | 0.681 | 0.765 | 0.765 | 0.765 | 0.765 | 0.591 | 0.345 | 0.300 |
| 30 | 0.315 | | 0.363 | 0.527 | 0.686 | 0.765 | 0.765 | 0.765 | 0.765 | 0.583 | 0.338 | 0.300 |
| 31 | 0.315 | | 0.368 | | 0.691 | | 0.765 | 0.765 | | 0.575 | | 0.300 |

ET calculations for Sheet AN: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Ms-high [61-100% screwbean/honey mesquite & <= 25% arrowweed])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.05 | 0.06 | 0.14 | 0.20 | 0.36 | 0.31 | 0.32 | 0.17 | 0.10 | 0.04 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.08 | 0.19 | 0.27 | 0.36 | 0.27 | 0.29 | 0.20 | 0.10 | 0.05 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.08 | 0.18 | 0.30 | 0.36 | 0.28 | 0.23 | 0.17 | 0.10 | 0.07 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.09 | 0.18 | 0.28 | 0.30 | 0.29 | 0.23 | 0.18 | 0.09 | 0.05 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.09 | 0.19 | 0.23 | 0.29 | 0.31 | 0.23 | 0.21 | 0.07 | 0.04 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.10 | 0.20 | 0.29 | 0.34 | 0.31 | 0.24 | 0.26 | 0.07 | 0.04 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.09 | 0.21 | 0.31 | 0.21 | 0.30 | 0.25 | 0.22 | 0.06 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.09 | 0.24 | 0.33 | 0.23 | 0.28 | 0.25 | 0.20 | 0.08 | 0.05 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.12 | 0.21 | 0.30 | 0.28 | 0.32 | 0.17 | 0.18 | 0.07 | 0.03 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.11 | 0.19 | 0.28 | 0.30 | 0.33 | 0.23 | 0.18 | 0.07 | 0.03 | |
| 11 | 0.03 | 0.05 | 0.06 | 0.12 | 0.20 | 0.28 | 0.31 | 0.27 | 0.25 | 0.16 | 0.07 | 0.06 | |
| 12 | 0.03 | 0.06 | 0.06 | 0.06 | 0.22 | 0.28 | 0.23 | 0.26 | 0.22 | 0.18 | 0.09 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.10 | 0.26 | 0.29 | 0.26 | 0.29 | 0.23 | 0.16 | 0.08 | 0.02 | |
| 14 | 0.05 | 0.04 | 0.05 | 0.14 | 0.22 | 0.33 | 0.29 | 0.30 | 0.25 | 0.15 | 0.07 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.18 | 0.24 | 0.36 | 0.31 | 0.29 | 0.28 | 0.13 | 0.07 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.15 | 0.23 | 0.33 | 0.31 | 0.25 | 0.28 | 0.20 | 0.06 | 0.03 | |
| 17 | 0.02 | 0.04 | 0.05 | 0.15 | 0.23 | 0.33 | 0.32 | 0.29 | 0.28 | 0.25 | 0.08 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.06 | 0.15 | 0.26 | 0.31 | 0.30 | 0.29 | 0.27 | 0.17 | 0.05 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.06 | 0.17 | 0.29 | 0.30 | 0.30 | 0.21 | 0.28 | 0.14 | 0.05 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.08 | 0.22 | 0.24 | 0.31 | 0.38 | 0.26 | 0.22 | 0.18 | 0.05 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.08 | 0.19 | 0.26 | 0.39 | 0.33 | 0.26 | 0.10 | 0.15 | 0.05 | 0.03 | |
| 22 | 0.04 | 0.07 | 0.07 | 0.18 | 0.22 | 0.33 | 0.30 | 0.28 | 0.21 | 0.13 | 0.08 | 0.05 | |
| 23 | 0.03 | 0.05 | 0.08 | 0.14 | 0.21 | 0.32 | 0.34 | 0.23 | 0.14 | 0.12 | 0.05 | 0.05 | |
| 24 | 0.03 | 0.04 | 0.07 | 0.12 | 0.23 | 0.30 | 0.33 | 0.25 | 0.19 | 0.10 | 0.06 | 0.04 | |
| 25 | 0.02 | 0.06 | 0.06 | 0.15 | 0.26 | 0.38 | 0.34 | 0.28 | 0.20 | 0.11 | 0.06 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.07 | 0.16 | 0.27 | 0.34 | 0.30 | 0.30 | 0.22 | 0.11 | 0.05 | 0.04 | |
| 27 | 0.03 | 0.04 | 0.08 | 0.19 | 0.28 | 0.31 | 0.22 | 0.30 | 0.25 | 0.10 | 0.03 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.08 | 0.21 | 0.29 | 0.36 | 0.20 | 0.25 | 0.34 | 0.10 | 0.04 | 0.03 | |
| 29 | 0.03 | | 0.08 | 0.13 | 0.32 | 0.32 | 0.21 | 0.20 | 0.34 | 0.16 | 0.05 | 0.02 | |
| 30 | 0.03 | | 0.11 | 0.08 | 0.27 | 0.35 | 0.28 | 0.29 | 0.22 | 0.18 | 0.04 | 0.03 | |
| 31 | 0.04 | | 0.11 | | 0.29 | | 0.33 | 0.27 | | 0.12 | | 0.03 | |

Ms-high

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.477 | 0.708 | 0.947 | 0.970 | 0.970 | 0.970 | 0.936 | 0.672 | 0.417 |
| 2 | 0.315 | 0.315 | 0.315 | 0.485 | 0.716 | 0.955 | 0.970 | 0.970 | 0.970 | 0.927 | 0.664 | 0.409 |
| 3 | 0.315 | 0.315 | 0.315 | 0.492 | 0.723 | 0.962 | 0.970 | 0.970 | 0.970 | 0.919 | 0.655 | 0.400 |
| 4 | 0.315 | 0.315 | 0.315 | 0.500 | 0.731 | 0.970 | 0.970 | 0.970 | 0.970 | 0.910 | 0.647 | 0.392 |
| 5 | 0.315 | 0.315 | 0.315 | 0.508 | 0.739 | 0.970 | 0.970 | 0.970 | 0.970 | 0.902 | 0.638 | 0.383 |
| 6 | 0.315 | 0.315 | 0.315 | 0.516 | 0.747 | 0.970 | 0.970 | 0.970 | 0.970 | 0.893 | 0.630 | 0.375 |
| 7 | 0.315 | 0.315 | 0.315 | 0.523 | 0.754 | 0.970 | 0.970 | 0.970 | 0.970 | 0.885 | 0.621 | 0.366 |
| 8 | 0.315 | 0.315 | 0.315 | 0.531 | 0.762 | 0.970 | 0.970 | 0.970 | 0.970 | 0.876 | 0.613 | 0.358 |
| 9 | 0.315 | 0.315 | 0.315 | 0.539 | 0.770 | 0.970 | 0.970 | 0.970 | 0.970 | 0.868 | 0.604 | 0.349 |
| 10 | 0.315 | 0.315 | 0.315 | 0.546 | 0.777 | 0.970 | 0.970 | 0.970 | 0.970 | 0.859 | 0.596 | 0.341 |
| 11 | 0.315 | 0.315 | 0.315 | 0.554 | 0.785 | 0.970 | 0.970 | 0.970 | 0.970 | 0.851 | 0.587 | 0.332 |
| 12 | 0.315 | 0.315 | 0.323 | 0.562 | 0.793 | 0.970 | 0.970 | 0.970 | 0.970 | 0.842 | 0.579 | 0.324 |
| 13 | 0.315 | 0.315 | 0.331 | 0.569 | 0.800 | 0.970 | 0.970 | 0.970 | 0.970 | 0.834 | 0.570 | 0.315 |
| 14 | 0.315 | 0.315 | 0.338 | 0.577 | 0.808 | 0.970 | 0.970 | 0.970 | 0.970 | 0.825 | 0.562 | 0.307 |
| 15 | 0.315 | 0.315 | 0.346 | 0.585 | 0.816 | 0.970 | 0.970 | 0.970 | 0.970 | 0.817 | 0.553 | 0.298 |
| 16 | 0.315 | 0.315 | 0.354 | 0.593 | 0.824 | 0.970 | 0.970 | 0.970 | 0.970 | 0.808 | 0.545 | 0.290 |
| 17 | 0.315 | 0.315 | 0.362 | 0.600 | 0.831 | 0.970 | 0.970 | 0.970 | 0.970 | 0.800 | 0.536 | 0.300 |
| 18 | 0.315 | 0.315 | 0.369 | 0.608 | 0.839 | 0.970 | 0.970 | 0.970 | 0.970 | 0.791 | 0.528 | 0.300 |
| 19 | 0.315 | 0.315 | 0.377 | 0.616 | 0.847 | 0.970 | 0.970 | 0.970 | 0.970 | 0.783 | 0.519 | 0.300 |
| 20 | 0.315 | 0.315 | 0.385 | 0.623 | 0.854 | 0.970 | 0.970 | 0.970 | 0.970 | 0.774 | 0.511 | 0.300 |
| 21 | 0.315 | 0.315 | 0.392 | 0.631 | 0.862 | 0.970 | 0.970 | 0.970 | 0.970 | 0.766 | 0.502 | 0.300 |
| 22 | 0.315 | 0.315 | 0.400 | 0.639 | 0.870 | 0.970 | 0.970 | 0.970 | 0.970 | 0.757 | 0.494 | 0.300 |
| 23 | 0.315 | 0.315 | 0.408 | 0.646 | 0.878 | 0.970 | 0.970 | 0.970 | 0.970 | 0.749 | 0.485 | 0.300 |
| 24 | 0.315 | 0.315 | 0.415 | 0.654 | 0.885 | 0.970 | 0.970 | 0.970 | 0.970 | 0.740 | 0.477 | 0.300 |
| 25 | 0.315 | 0.315 | 0.423 | 0.662 | 0.893 | 0.970 | 0.970 | 0.970 | 0.970 | 0.732 | 0.468 | 0.300 |
| 26 | 0.315 | 0.315 | 0.431 | 0.670 | 0.901 | 0.970 | 0.970 | 0.970 | 0.970 | 0.723 | 0.460 | 0.300 |
| 27 | 0.315 | 0.315 | 0.439 | 0.677 | 0.908 | 0.970 | 0.970 | 0.970 | 0.970 | 0.715 | 0.451 | 0.300 |
| 28 | 0.315 | 0.315 | 0.446 | 0.685 | 0.916 | 0.970 | 0.970 | 0.970 | 0.961 | 0.706 | 0.443 | 0.300 |
| 29 | 0.315 | | 0.454 | 0.693 | 0.924 | 0.970 | 0.970 | 0.970 | 0.953 | 0.698 | 0.434 | 0.300 |
| 30 | 0.315 | | 0.462 | 0.700 | 0.931 | 0.970 | 0.970 | 0.970 | 0.944 | 0.689 | 0.426 | 0.300 |
| 31 | 0.315 | | 0.469 | | 0.939 | | 0.970 | 0.970 | | 0.681 | | 0.300 |

ET calculations for Sheet AO: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Ms/aw [21-60% mesquite & 31-60% arrowweed & <= 20% salt cedar])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.05 | 0.06 | 0.13 | 0.19 | 0.35 | 0.30 | 0.31 | 0.15 | 0.08 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.08 | 0.18 | 0.26 | 0.35 | 0.26 | 0.28 | 0.17 | 0.08 | 0.04 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.08 | 0.17 | 0.28 | 0.35 | 0.27 | 0.22 | 0.15 | 0.09 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.08 | 0.17 | 0.26 | 0.29 | 0.28 | 0.22 | 0.16 | 0.08 | 0.04 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.08 | 0.18 | 0.22 | 0.29 | 0.30 | 0.22 | 0.18 | 0.06 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.10 | 0.19 | 0.27 | 0.33 | 0.30 | 0.23 | 0.23 | 0.06 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.09 | 0.20 | 0.30 | 0.21 | 0.29 | 0.25 | 0.19 | 0.05 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.09 | 0.22 | 0.32 | 0.23 | 0.27 | 0.24 | 0.18 | 0.06 | 0.04 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.11 | 0.20 | 0.29 | 0.27 | 0.31 | 0.17 | 0.16 | 0.06 | 0.02 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.10 | 0.18 | 0.27 | 0.29 | 0.32 | 0.22 | 0.16 | 0.06 | 0.02 | |
| 11 | 0.03 | 0.05 | 0.06 | 0.12 | 0.19 | 0.27 | 0.30 | 0.26 | 0.24 | 0.14 | 0.06 | 0.05 | |
| 12 | 0.03 | 0.06 | 0.06 | 0.06 | 0.21 | 0.27 | 0.22 | 0.25 | 0.21 | 0.16 | 0.07 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.10 | 0.24 | 0.28 | 0.25 | 0.28 | 0.22 | 0.14 | 0.07 | 0.02 | |
| 14 | 0.05 | 0.04 | 0.05 | 0.13 | 0.21 | 0.32 | 0.28 | 0.29 | 0.25 | 0.13 | 0.06 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.17 | 0.22 | 0.35 | 0.30 | 0.28 | 0.27 | 0.12 | 0.06 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.06 | 0.15 | 0.22 | 0.32 | 0.30 | 0.24 | 0.27 | 0.17 | 0.05 | 0.03 | |
| 17 | 0.02 | 0.04 | 0.05 | 0.15 | 0.21 | 0.32 | 0.31 | 0.28 | 0.27 | 0.22 | 0.07 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.05 | 0.15 | 0.24 | 0.30 | 0.29 | 0.28 | 0.26 | 0.14 | 0.04 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.06 | 0.16 | 0.27 | 0.29 | 0.29 | 0.20 | 0.27 | 0.13 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.08 | 0.21 | 0.23 | 0.30 | 0.37 | 0.26 | 0.21 | 0.16 | 0.05 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.08 | 0.18 | 0.24 | 0.38 | 0.32 | 0.25 | 0.09 | 0.13 | 0.04 | 0.03 | |
| 22 | 0.04 | 0.07 | 0.07 | 0.18 | 0.21 | 0.32 | 0.29 | 0.27 | 0.19 | 0.11 | 0.07 | 0.05 | |
| 23 | 0.03 | 0.05 | 0.08 | 0.13 | 0.20 | 0.31 | 0.33 | 0.23 | 0.13 | 0.10 | 0.04 | 0.05 | |
| 24 | 0.03 | 0.04 | 0.07 | 0.12 | 0.22 | 0.29 | 0.32 | 0.24 | 0.17 | 0.09 | 0.05 | 0.04 | |
| 25 | 0.02 | 0.06 | 0.06 | 0.14 | 0.25 | 0.37 | 0.33 | 0.27 | 0.18 | 0.10 | 0.05 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.07 | 0.16 | 0.25 | 0.33 | 0.29 | 0.29 | 0.20 | 0.09 | 0.04 | 0.04 | |
| 27 | 0.03 | 0.04 | 0.08 | 0.18 | 0.26 | 0.30 | 0.22 | 0.29 | 0.22 | 0.08 | 0.03 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.07 | 0.20 | 0.28 | 0.35 | 0.19 | 0.24 | 0.30 | 0.09 | 0.03 | 0.03 | |
| 29 | 0.03 | | 0.08 | 0.12 | 0.30 | 0.32 | 0.21 | 0.20 | 0.30 | 0.14 | 0.04 | 0.02 | |
| 30 | 0.03 | | 0.11 | 0.08 | 0.26 | 0.34 | 0.27 | 0.28 | 0.19 | 0.15 | 0.03 | 0.03 | |
| 31 | 0.04 | | 0.11 | | 0.27 | | 0.32 | 0.26 | | 0.10 | | 0.03 | |

Ms/aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.462 | 0.671 | 0.887 | 0.943 | 0.943 | 0.943 | 0.829 | 0.576 | 0.331 |
| 2 | 0.315 | 0.315 | 0.315 | 0.469 | 0.678 | 0.894 | 0.943 | 0.943 | 0.943 | 0.821 | 0.568 | 0.323 |
| 3 | 0.315 | 0.315 | 0.315 | 0.476 | 0.685 | 0.901 | 0.943 | 0.943 | 0.943 | 0.813 | 0.559 | 0.314 |
| 4 | 0.315 | 0.315 | 0.315 | 0.483 | 0.692 | 0.908 | 0.943 | 0.943 | 0.943 | 0.804 | 0.551 | 0.306 |
| 5 | 0.315 | 0.315 | 0.315 | 0.490 | 0.699 | 0.915 | 0.943 | 0.943 | 0.943 | 0.796 | 0.543 | 0.298 |
| 6 | 0.315 | 0.315 | 0.315 | 0.497 | 0.706 | 0.922 | 0.943 | 0.943 | 0.943 | 0.788 | 0.535 | 0.290 |
| 7 | 0.315 | 0.315 | 0.315 | 0.504 | 0.713 | 0.929 | 0.943 | 0.943 | 0.943 | 0.780 | 0.527 | 0.300 |
| 8 | 0.315 | 0.315 | 0.315 | 0.511 | 0.720 | 0.936 | 0.943 | 0.943 | 0.943 | 0.772 | 0.519 | 0.300 |
| 9 | 0.315 | 0.315 | 0.315 | 0.518 | 0.727 | 0.943 | 0.943 | 0.943 | 0.943 | 0.764 | 0.510 | 0.300 |
| 10 | 0.315 | 0.315 | 0.315 | 0.525 | 0.734 | 0.943 | 0.943 | 0.943 | 0.943 | 0.755 | 0.502 | 0.300 |
| 11 | 0.315 | 0.315 | 0.315 | 0.532 | 0.741 | 0.943 | 0.943 | 0.943 | 0.943 | 0.747 | 0.494 | 0.300 |
| 12 | 0.315 | 0.315 | 0.322 | 0.539 | 0.748 | 0.943 | 0.943 | 0.943 | 0.943 | 0.739 | 0.486 | 0.300 |
| 13 | 0.315 | 0.315 | 0.329 | 0.546 | 0.755 | 0.943 | 0.943 | 0.943 | 0.943 | 0.731 | 0.478 | 0.300 |
| 14 | 0.315 | 0.315 | 0.336 | 0.552 | 0.762 | 0.943 | 0.943 | 0.943 | 0.943 | 0.723 | 0.470 | 0.300 |
| 15 | 0.315 | 0.315 | 0.343 | 0.559 | 0.769 | 0.943 | 0.943 | 0.943 | 0.943 | 0.715 | 0.461 | 0.300 |
| 16 | 0.315 | 0.315 | 0.350 | 0.566 | 0.776 | 0.943 | 0.943 | 0.943 | 0.943 | 0.706 | 0.453 | 0.300 |
| 17 | 0.315 | 0.315 | 0.357 | 0.573 | 0.783 | 0.943 | 0.943 | 0.943 | 0.943 | 0.698 | 0.445 | 0.300 |
| 18 | 0.315 | 0.315 | 0.364 | 0.580 | 0.790 | 0.943 | 0.943 | 0.943 | 0.935 | 0.690 | 0.437 | 0.300 |
| 19 | 0.315 | 0.315 | 0.371 | 0.587 | 0.797 | 0.943 | 0.943 | 0.943 | 0.927 | 0.682 | 0.429 | 0.300 |
| 20 | 0.315 | 0.315 | 0.378 | 0.594 | 0.804 | 0.943 | 0.943 | 0.943 | 0.919 | 0.674 | 0.421 | 0.300 |
| 21 | 0.315 | 0.315 | 0.385 | 0.601 | 0.811 | 0.943 | 0.943 | 0.943 | 0.910 | 0.666 | 0.412 | 0.300 |
| 22 | 0.315 | 0.315 | 0.392 | 0.608 | 0.818 | 0.943 | 0.943 | 0.943 | 0.902 | 0.657 | 0.404 | 0.300 |
| 23 | 0.315 | 0.315 | 0.399 | 0.615 | 0.825 | 0.943 | 0.943 | 0.943 | 0.894 | 0.649 | 0.396 | 0.300 |
| 24 | 0.315 | 0.315 | 0.406 | 0.622 | 0.832 | 0.943 | 0.943 | 0.943 | 0.886 | 0.641 | 0.388 | 0.300 |
| 25 | 0.315 | 0.315 | 0.413 | 0.629 | 0.839 | 0.943 | 0.943 | 0.943 | 0.878 | 0.633 | 0.380 | 0.300 |
| 26 | 0.315 | 0.315 | 0.420 | 0.636 | 0.845 | 0.943 | 0.943 | 0.943 | 0.870 | 0.625 | 0.372 | 0.300 |
| 27 | 0.315 | 0.315 | 0.427 | 0.643 | 0.852 | 0.943 | 0.943 | 0.943 | 0.862 | 0.617 | 0.363 | 0.300 |
| 28 | 0.315 | 0.315 | 0.434 | 0.650 | 0.859 | 0.943 | 0.943 | 0.943 | 0.853 | 0.608 | 0.355 | 0.300 |
| 29 | 0.315 | | 0.441 | 0.657 | 0.866 | 0.943 | 0.943 | 0.943 | 0.845 | 0.600 | 0.347 | 0.300 |
| 30 | 0.315 | | 0.448 | 0.664 | 0.873 | 0.943 | 0.943 | 0.943 | 0.837 | 0.592 | 0.339 | 0.300 |
| 31 | 0.315 | | 0.455 | | 0.880 | | 0.943 | 0.943 | | 0.584 | | 0.300 |

ET calculations for Sheet AP: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Aw [51-100% arrowweed & <= 10% any trees])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.05 | 0.06 | 0.15 | 0.20 | 0.35 | 0.31 | 0.28 | 0.12 | 0.06 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.08 | 0.19 | 0.27 | 0.36 | 0.26 | 0.26 | 0.14 | 0.07 | 0.03 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.09 | 0.19 | 0.29 | 0.35 | 0.28 | 0.20 | 0.12 | 0.07 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.09 | 0.19 | 0.28 | 0.30 | 0.28 | 0.20 | 0.13 | 0.06 | 0.04 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.09 | 0.20 | 0.23 | 0.29 | 0.31 | 0.20 | 0.15 | 0.05 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.11 | 0.21 | 0.28 | 0.34 | 0.30 | 0.20 | 0.18 | 0.05 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.10 | 0.22 | 0.31 | 0.21 | 0.30 | 0.21 | 0.15 | 0.04 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.10 | 0.25 | 0.33 | 0.23 | 0.28 | 0.21 | 0.14 | 0.05 | 0.04 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.13 | 0.22 | 0.29 | 0.27 | 0.31 | 0.14 | 0.13 | 0.05 | 0.02 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.11 | 0.20 | 0.27 | 0.29 | 0.33 | 0.19 | 0.13 | 0.04 | 0.02 | |
| 11 | 0.03 | 0.05 | 0.07 | 0.13 | 0.20 | 0.27 | 0.30 | 0.26 | 0.20 | 0.11 | 0.05 | 0.05 | |
| 12 | 0.03 | 0.06 | 0.07 | 0.06 | 0.23 | 0.28 | 0.22 | 0.26 | 0.18 | 0.13 | 0.06 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.11 | 0.27 | 0.29 | 0.26 | 0.28 | 0.18 | 0.11 | 0.05 | 0.02 | |
| 14 | 0.05 | 0.04 | 0.06 | 0.15 | 0.23 | 0.32 | 0.28 | 0.30 | 0.20 | 0.10 | 0.05 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.08 | 0.19 | 0.24 | 0.35 | 0.31 | 0.29 | 0.22 | 0.09 | 0.05 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.07 | 0.16 | 0.24 | 0.32 | 0.31 | 0.24 | 0.22 | 0.14 | 0.04 | 0.03 | |
| 17 | 0.02 | 0.04 | 0.06 | 0.16 | 0.23 | 0.33 | 0.31 | 0.28 | 0.22 | 0.17 | 0.05 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.06 | 0.16 | 0.27 | 0.30 | 0.30 | 0.28 | 0.21 | 0.12 | 0.03 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.18 | 0.30 | 0.29 | 0.30 | 0.20 | 0.22 | 0.10 | 0.03 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.09 | 0.23 | 0.25 | 0.31 | 0.37 | 0.26 | 0.17 | 0.12 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.08 | 0.20 | 0.27 | 0.38 | 0.32 | 0.25 | 0.08 | 0.10 | 0.03 | 0.03 | |
| 22 | 0.04 | 0.07 | 0.08 | 0.19 | 0.23 | 0.33 | 0.30 | 0.27 | 0.15 | 0.09 | 0.05 | 0.05 | |
| 23 | 0.03 | 0.05 | 0.09 | 0.15 | 0.22 | 0.32 | 0.33 | 0.22 | 0.10 | 0.08 | 0.03 | 0.05 | |
| 24 | 0.03 | 0.04 | 0.07 | 0.13 | 0.24 | 0.30 | 0.32 | 0.23 | 0.14 | 0.07 | 0.04 | 0.04 | |
| 25 | 0.02 | 0.06 | 0.06 | 0.15 | 0.27 | 0.38 | 0.34 | 0.26 | 0.14 | 0.08 | 0.04 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.07 | 0.17 | 0.27 | 0.34 | 0.30 | 0.27 | 0.16 | 0.07 | 0.03 | 0.04 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.20 | 0.28 | 0.30 | 0.22 | 0.28 | 0.18 | 0.07 | 0.02 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.08 | 0.22 | 0.30 | 0.35 | 0.19 | 0.23 | 0.24 | 0.07 | 0.03 | 0.03 | |
| 29 | 0.03 | | 0.09 | 0.13 | 0.32 | 0.32 | 0.21 | 0.19 | 0.24 | 0.11 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.12 | 0.09 | 0.28 | 0.34 | 0.28 | 0.26 | 0.15 | 0.12 | 0.03 | 0.03 | |
| 31 | 0.04 | | 0.12 | | 0.30 | | 0.32 | 0.24 | | 0.08 | | 0.03 | |

Aw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.510 | 0.736 | 0.953 | 0.953 | 0.953 | 0.860 | 0.661 | 0.456 | 0.300 |
| 2 | 0.315 | 0.315 | 0.315 | 0.518 | 0.743 | 0.953 | 0.953 | 0.953 | 0.854 | 0.655 | 0.449 | 0.300 |
| 3 | 0.315 | 0.315 | 0.315 | 0.525 | 0.751 | 0.953 | 0.953 | 0.953 | 0.847 | 0.648 | 0.443 | 0.300 |
| 4 | 0.315 | 0.315 | 0.315 | 0.533 | 0.758 | 0.953 | 0.953 | 0.953 | 0.840 | 0.641 | 0.436 | 0.300 |
| 5 | 0.315 | 0.315 | 0.315 | 0.540 | 0.766 | 0.953 | 0.953 | 0.953 | 0.834 | 0.635 | 0.429 | 0.300 |
| 6 | 0.315 | 0.315 | 0.315 | 0.548 | 0.773 | 0.953 | 0.953 | 0.953 | 0.827 | 0.628 | 0.423 | 0.300 |
| 7 | 0.315 | 0.315 | 0.323 | 0.555 | 0.781 | 0.953 | 0.953 | 0.953 | 0.821 | 0.622 | 0.416 | 0.300 |
| 8 | 0.315 | 0.315 | 0.330 | 0.563 | 0.788 | 0.953 | 0.953 | 0.953 | 0.814 | 0.615 | 0.409 | 0.300 |
| 9 | 0.315 | 0.315 | 0.338 | 0.570 | 0.796 | 0.953 | 0.953 | 0.953 | 0.807 | 0.608 | 0.403 | 0.300 |
| 10 | 0.315 | 0.315 | 0.345 | 0.578 | 0.803 | 0.953 | 0.953 | 0.953 | 0.801 | 0.602 | 0.396 | 0.300 |
| 11 | 0.315 | 0.315 | 0.353 | 0.585 | 0.811 | 0.953 | 0.953 | 0.953 | 0.794 | 0.595 | 0.389 | 0.300 |
| 12 | 0.315 | 0.315 | 0.360 | 0.593 | 0.818 | 0.953 | 0.953 | 0.953 | 0.787 | 0.588 | 0.383 | 0.300 |
| 13 | 0.315 | 0.315 | 0.368 | 0.600 | 0.826 | 0.953 | 0.953 | 0.953 | 0.781 | 0.582 | 0.376 | 0.300 |
| 14 | 0.315 | 0.315 | 0.375 | 0.608 | 0.833 | 0.953 | 0.953 | 0.953 | 0.774 | 0.575 | 0.370 | 0.300 |
| 15 | 0.315 | 0.315 | 0.383 | 0.615 | 0.841 | 0.953 | 0.953 | 0.953 | 0.767 | 0.569 | 0.363 | 0.300 |
| 16 | 0.315 | 0.315 | 0.390 | 0.623 | 0.848 | 0.953 | 0.953 | 0.953 | 0.761 | 0.562 | 0.356 | 0.300 |
| 17 | 0.315 | 0.315 | 0.398 | 0.630 | 0.856 | 0.953 | 0.953 | 0.953 | 0.754 | 0.555 | 0.350 | 0.300 |
| 18 | 0.315 | 0.315 | 0.405 | 0.638 | 0.863 | 0.953 | 0.953 | 0.953 | 0.748 | 0.549 | 0.343 | 0.300 |
| 19 | 0.315 | 0.315 | 0.413 | 0.645 | 0.871 | 0.953 | 0.953 | 0.946 | 0.741 | 0.542 | 0.336 | 0.300 |
| 20 | 0.315 | 0.315 | 0.420 | 0.653 | 0.878 | 0.953 | 0.953 | 0.940 | 0.734 | 0.535 | 0.330 | 0.300 |
| 21 | 0.315 | 0.315 | 0.428 | 0.660 | 0.886 | 0.953 | 0.953 | 0.933 | 0.728 | 0.529 | 0.323 | 0.300 |
| 22 | 0.315 | 0.315 | 0.435 | 0.668 | 0.893 | 0.953 | 0.953 | 0.927 | 0.721 | 0.522 | 0.317 | 0.300 |
| 23 | 0.315 | 0.315 | 0.443 | 0.675 | 0.901 | 0.953 | 0.953 | 0.920 | 0.714 | 0.515 | 0.310 | 0.300 |
| 24 | 0.315 | 0.315 | 0.450 | 0.683 | 0.908 | 0.953 | 0.953 | 0.913 | 0.708 | 0.509 | 0.303 | 0.300 |
| 25 | 0.315 | 0.315 | 0.458 | 0.690 | 0.916 | 0.953 | 0.953 | 0.907 | 0.701 | 0.502 | 0.297 | 0.300 |
| 26 | 0.315 | 0.315 | 0.465 | 0.698 | 0.923 | 0.953 | 0.953 | 0.900 | 0.695 | 0.496 | 0.290 | 0.300 |
| 27 | 0.315 | 0.315 | 0.473 | 0.705 | 0.931 | 0.953 | 0.953 | 0.893 | 0.688 | 0.489 | 0.300 | 0.300 |
| 28 | 0.315 | 0.315 | 0.480 | 0.713 | 0.938 | 0.953 | 0.953 | 0.887 | 0.681 | 0.482 | 0.300 | 0.300 |
| 29 | 0.315 | | 0.488 | 0.721 | 0.946 | 0.953 | 0.953 | 0.880 | 0.675 | 0.476 | 0.300 | 0.300 |
| 30 | 0.315 | | 0.495 | 0.728 | 0.953 | 0.953 | 0.953 | 0.874 | 0.668 | 0.469 | 0.300 | 0.300 |
| 31 | 0.315 | | 0.503 | | 0.953 | | 0.953 | 0.867 | | 0.462 | | 0.300 |

ET calculations for Sheet AQ: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Cw [61-100% cottonwood and willow trees])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.05 | 0.06 | 0.15 | 0.22 | 0.37 | 0.33 | 0.30 | 0.13 | 0.07 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.09 | 0.20 | 0.29 | 0.38 | 0.28 | 0.27 | 0.15 | 0.07 | 0.03 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.09 | 0.20 | 0.31 | 0.37 | 0.30 | 0.21 | 0.12 | 0.07 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.10 | 0.20 | 0.29 | 0.32 | 0.30 | 0.21 | 0.14 | 0.06 | 0.04 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.10 | 0.21 | 0.25 | 0.31 | 0.33 | 0.21 | 0.15 | 0.05 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.11 | 0.22 | 0.30 | 0.36 | 0.32 | 0.21 | 0.19 | 0.05 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.10 | 0.23 | 0.33 | 0.22 | 0.32 | 0.23 | 0.16 | 0.04 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.10 | 0.26 | 0.35 | 0.24 | 0.30 | 0.22 | 0.15 | 0.05 | 0.04 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.13 | 0.23 | 0.31 | 0.29 | 0.33 | 0.15 | 0.13 | 0.05 | 0.02 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.12 | 0.21 | 0.29 | 0.31 | 0.35 | 0.20 | 0.13 | 0.04 | 0.02 | |
| 11 | 0.03 | 0.05 | 0.07 | 0.13 | 0.22 | 0.29 | 0.33 | 0.28 | 0.21 | 0.12 | 0.05 | 0.05 | |
| 12 | 0.03 | 0.06 | 0.07 | 0.07 | 0.25 | 0.30 | 0.24 | 0.27 | 0.19 | 0.13 | 0.06 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.11 | 0.28 | 0.31 | 0.28 | 0.30 | 0.19 | 0.12 | 0.05 | 0.02 | |
| 14 | 0.05 | 0.04 | 0.06 | 0.15 | 0.25 | 0.34 | 0.30 | 0.32 | 0.21 | 0.11 | 0.05 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.08 | 0.20 | 0.26 | 0.38 | 0.33 | 0.31 | 0.23 | 0.10 | 0.05 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.07 | 0.17 | 0.25 | 0.34 | 0.33 | 0.26 | 0.23 | 0.14 | 0.04 | 0.03 | |
| 17 | 0.02 | 0.04 | 0.06 | 0.17 | 0.25 | 0.35 | 0.34 | 0.30 | 0.23 | 0.18 | 0.05 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.06 | 0.17 | 0.28 | 0.33 | 0.32 | 0.30 | 0.22 | 0.12 | 0.03 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.18 | 0.32 | 0.31 | 0.32 | 0.22 | 0.23 | 0.10 | 0.03 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.10 | 0.24 | 0.27 | 0.33 | 0.40 | 0.27 | 0.18 | 0.13 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.09 | 0.21 | 0.28 | 0.41 | 0.34 | 0.26 | 0.08 | 0.11 | 0.04 | 0.03 | |
| 22 | 0.04 | 0.07 | 0.08 | 0.20 | 0.25 | 0.35 | 0.32 | 0.29 | 0.16 | 0.09 | 0.05 | 0.05 | |
| 23 | 0.03 | 0.05 | 0.09 | 0.15 | 0.23 | 0.34 | 0.35 | 0.23 | 0.11 | 0.08 | 0.04 | 0.05 | |
| 24 | 0.03 | 0.04 | 0.08 | 0.14 | 0.25 | 0.32 | 0.34 | 0.25 | 0.15 | 0.07 | 0.04 | 0.04 | |
| 25 | 0.02 | 0.06 | 0.07 | 0.16 | 0.29 | 0.40 | 0.36 | 0.28 | 0.15 | 0.08 | 0.04 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.08 | 0.18 | 0.29 | 0.36 | 0.32 | 0.29 | 0.17 | 0.08 | 0.03 | 0.04 | |
| 27 | 0.03 | 0.04 | 0.09 | 0.21 | 0.30 | 0.32 | 0.24 | 0.29 | 0.19 | 0.07 | 0.02 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.08 | 0.23 | 0.32 | 0.37 | 0.21 | 0.24 | 0.25 | 0.07 | 0.03 | 0.03 | |
| 29 | 0.03 | | 0.09 | 0.14 | 0.35 | 0.34 | 0.22 | 0.20 | 0.26 | 0.11 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.12 | 0.09 | 0.30 | 0.36 | 0.30 | 0.28 | 0.16 | 0.12 | 0.03 | 0.03 | |
| 31 | 0.04 | | 0.12 | | 0.32 | | 0.35 | 0.25 | | 0.08 | | 0.03 | |

Cw

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.531 | 0.780 | 1.020 | 1.020 | 1.020 | 0.918 | 0.699 | 0.472 | 0.300 |
| 2 | 0.315 | 0.315 | 0.315 | 0.539 | 0.788 | 1.020 | 1.020 | 1.020 | 0.910 | 0.691 | 0.465 | 0.300 |
| 3 | 0.315 | 0.315 | 0.315 | 0.547 | 0.796 | 1.020 | 1.020 | 1.020 | 0.903 | 0.684 | 0.458 | 0.300 |
| 4 | 0.315 | 0.315 | 0.315 | 0.556 | 0.804 | 1.020 | 1.020 | 1.020 | 0.896 | 0.677 | 0.451 | 0.300 |
| 5 | 0.315 | 0.315 | 0.315 | 0.564 | 0.813 | 1.020 | 1.020 | 1.020 | 0.889 | 0.670 | 0.443 | 0.300 |
| 6 | 0.315 | 0.315 | 0.315 | 0.572 | 0.821 | 1.020 | 1.020 | 1.020 | 0.881 | 0.662 | 0.436 | 0.300 |
| 7 | 0.315 | 0.315 | 0.324 | 0.581 | 0.829 | 1.020 | 1.020 | 1.020 | 0.874 | 0.655 | 0.429 | 0.300 |
| 8 | 0.315 | 0.315 | 0.332 | 0.589 | 0.838 | 1.020 | 1.020 | 1.020 | 0.867 | 0.648 | 0.421 | 0.300 |
| 9 | 0.315 | 0.315 | 0.340 | 0.597 | 0.846 | 1.020 | 1.020 | 1.020 | 0.859 | 0.640 | 0.414 | 0.300 |
| 10 | 0.315 | 0.315 | 0.348 | 0.605 | 0.854 | 1.020 | 1.020 | 1.020 | 0.852 | 0.633 | 0.407 | 0.300 |
| 11 | 0.315 | 0.315 | 0.357 | 0.614 | 0.862 | 1.020 | 1.020 | 1.020 | 0.845 | 0.626 | 0.399 | 0.300 |
| 12 | 0.315 | 0.315 | 0.365 | 0.622 | 0.871 | 1.020 | 1.020 | 1.020 | 0.837 | 0.618 | 0.392 | 0.300 |
| 13 | 0.315 | 0.315 | 0.373 | 0.630 | 0.879 | 1.020 | 1.020 | 1.020 | 0.830 | 0.611 | 0.385 | 0.300 |
| 14 | 0.315 | 0.315 | 0.382 | 0.639 | 0.887 | 1.020 | 1.020 | 1.020 | 0.823 | 0.604 | 0.378 | 0.300 |
| 15 | 0.315 | 0.315 | 0.390 | 0.647 | 0.896 | 1.020 | 1.020 | 1.020 | 0.816 | 0.597 | 0.370 | 0.300 |
| 16 | 0.315 | 0.315 | 0.398 | 0.655 | 0.904 | 1.020 | 1.020 | 1.020 | 0.808 | 0.589 | 0.363 | 0.300 |
| 17 | 0.315 | 0.315 | 0.406 | 0.663 | 0.912 | 1.020 | 1.020 | 1.020 | 0.801 | 0.582 | 0.356 | 0.300 |
| 18 | 0.315 | 0.315 | 0.415 | 0.672 | 0.920 | 1.020 | 1.020 | 1.020 | 0.794 | 0.575 | 0.348 | 0.300 |
| 19 | 0.315 | 0.315 | 0.423 | 0.680 | 0.929 | 1.020 | 1.020 | 1.013 | 0.786 | 0.567 | 0.341 | 0.300 |
| 20 | 0.315 | 0.315 | 0.431 | 0.688 | 0.937 | 1.020 | 1.020 | 1.005 | 0.779 | 0.560 | 0.334 | 0.300 |
| 21 | 0.315 | 0.315 | 0.440 | 0.697 | 0.945 | 1.020 | 1.020 | 0.998 | 0.772 | 0.553 | 0.326 | 0.300 |
| 22 | 0.315 | 0.315 | 0.448 | 0.705 | 0.954 | 1.020 | 1.020 | 0.991 | 0.764 | 0.545 | 0.319 | 0.300 |
| 23 | 0.315 | 0.315 | 0.456 | 0.713 | 0.962 | 1.020 | 1.020 | 0.983 | 0.757 | 0.538 | 0.312 | 0.300 |
| 24 | 0.315 | 0.315 | 0.465 | 0.721 | 0.970 | 1.020 | 1.020 | 0.976 | 0.750 | 0.531 | 0.305 | 0.300 |
| 25 | 0.315 | 0.315 | 0.473 | 0.730 | 0.978 | 1.020 | 1.020 | 0.969 | 0.743 | 0.524 | 0.297 | 0.300 |
| 26 | 0.315 | 0.315 | 0.481 | 0.738 | 0.987 | 1.020 | 1.020 | 0.962 | 0.735 | 0.516 | 0.290 | 0.300 |
| 27 | 0.315 | 0.315 | 0.489 | 0.746 | 0.995 | 1.020 | 1.020 | 0.954 | 0.728 | 0.509 | 0.300 | 0.300 |
| 28 | 0.315 | 0.315 | 0.498 | 0.755 | 1.003 | 1.020 | 1.020 | 0.947 | 0.721 | 0.502 | 0.300 | 0.300 |
| 29 | 0.315 | | 0.506 | 0.763 | 1.012 | 1.020 | 1.020 | 0.940 | 0.713 | 0.494 | 0.300 | 0.300 |
| 30 | 0.315 | | 0.514 | 0.771 | 1.020 | 1.020 | 1.020 | 0.932 | 0.706 | 0.487 | 0.300 | 0.300 |
| 31 | 0.315 | | 0.523 | | 1.020 | | 1.020 | 0.925 | | 0.480 | | 0.300 |

ET calculations for Sheet AR: Page 1 of 2
 Yuma Area - Average of 3 Local AZMET Stations 1999 PHREATOPHYTE ET
 (Sheet to calculate ET for Phreatophyte area classified Low Vegetation [$> 10\%$ and $\leq 30\%$ any phreatophyte vegetation])

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| ET, inches | | | | | | | | | | | | | |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |
| (Daily ET values) | | | | | | | | | | | | | |
| (Reference ET X Kp) | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| 1 | 0.04 | 0.04 | 0.05 | 0.06 | 0.13 | 0.18 | 0.31 | 0.27 | 0.27 | 0.12 | 0.07 | 0.03 | |
| 2 | 0.04 | 0.05 | 0.06 | 0.08 | 0.17 | 0.24 | 0.31 | 0.23 | 0.24 | 0.14 | 0.07 | 0.04 | |
| 3 | 0.05 | 0.04 | 0.07 | 0.08 | 0.17 | 0.26 | 0.31 | 0.24 | 0.19 | 0.12 | 0.07 | 0.05 | |
| 4 | 0.03 | 0.02 | 0.05 | 0.09 | 0.17 | 0.24 | 0.26 | 0.25 | 0.19 | 0.13 | 0.06 | 0.04 | |
| 5 | 0.03 | 0.02 | 0.04 | 0.09 | 0.18 | 0.20 | 0.25 | 0.27 | 0.19 | 0.14 | 0.05 | 0.03 | |
| 6 | 0.03 | 0.02 | 0.05 | 0.10 | 0.18 | 0.25 | 0.29 | 0.27 | 0.19 | 0.18 | 0.05 | 0.03 | |
| 7 | 0.03 | 0.03 | 0.05 | 0.09 | 0.19 | 0.27 | 0.18 | 0.26 | 0.20 | 0.15 | 0.05 | 0.03 | |
| 8 | 0.05 | 0.03 | 0.04 | 0.09 | 0.22 | 0.29 | 0.20 | 0.24 | 0.20 | 0.14 | 0.05 | 0.04 | |
| 9 | 0.05 | 0.03 | 0.05 | 0.12 | 0.19 | 0.26 | 0.24 | 0.27 | 0.14 | 0.13 | 0.05 | 0.02 | |
| 10 | 0.04 | 0.06 | 0.05 | 0.10 | 0.17 | 0.24 | 0.26 | 0.29 | 0.18 | 0.13 | 0.05 | 0.02 | |
| 11 | 0.03 | 0.05 | 0.06 | 0.12 | 0.18 | 0.24 | 0.27 | 0.23 | 0.19 | 0.11 | 0.05 | 0.05 | |
| 12 | 0.03 | 0.06 | 0.07 | 0.06 | 0.20 | 0.24 | 0.20 | 0.22 | 0.17 | 0.13 | 0.06 | 0.03 | |
| 13 | 0.03 | 0.05 | 0.05 | 0.10 | 0.24 | 0.25 | 0.23 | 0.25 | 0.17 | 0.11 | 0.06 | 0.02 | |
| 14 | 0.05 | 0.04 | 0.06 | 0.13 | 0.20 | 0.28 | 0.25 | 0.26 | 0.19 | 0.10 | 0.05 | 0.04 | |
| 15 | 0.03 | 0.05 | 0.07 | 0.17 | 0.21 | 0.31 | 0.27 | 0.25 | 0.21 | 0.09 | 0.05 | 0.03 | |
| 16 | 0.03 | 0.03 | 0.07 | 0.15 | 0.21 | 0.28 | 0.27 | 0.21 | 0.21 | 0.14 | 0.05 | 0.03 | |
| 17 | 0.02 | 0.04 | 0.06 | 0.15 | 0.21 | 0.28 | 0.28 | 0.25 | 0.21 | 0.17 | 0.06 | 0.03 | |
| 18 | 0.02 | 0.03 | 0.06 | 0.15 | 0.23 | 0.27 | 0.26 | 0.25 | 0.20 | 0.12 | 0.04 | 0.03 | |
| 19 | 0.03 | 0.04 | 0.07 | 0.16 | 0.26 | 0.25 | 0.26 | 0.18 | 0.21 | 0.10 | 0.04 | 0.05 | |
| 20 | 0.04 | 0.06 | 0.09 | 0.21 | 0.22 | 0.27 | 0.32 | 0.23 | 0.16 | 0.13 | 0.04 | 0.04 | |
| 21 | 0.05 | 0.05 | 0.08 | 0.18 | 0.23 | 0.33 | 0.28 | 0.22 | 0.07 | 0.11 | 0.04 | 0.03 | |
| 22 | 0.04 | 0.07 | 0.07 | 0.17 | 0.20 | 0.29 | 0.26 | 0.24 | 0.15 | 0.09 | 0.06 | 0.05 | |
| 23 | 0.03 | 0.05 | 0.08 | 0.13 | 0.19 | 0.28 | 0.29 | 0.20 | 0.10 | 0.08 | 0.04 | 0.05 | |
| 24 | 0.03 | 0.04 | 0.07 | 0.12 | 0.21 | 0.26 | 0.28 | 0.21 | 0.13 | 0.07 | 0.04 | 0.04 | |
| 25 | 0.02 | 0.06 | 0.06 | 0.14 | 0.24 | 0.33 | 0.29 | 0.24 | 0.14 | 0.08 | 0.04 | 0.03 | |
| 26 | 0.03 | 0.05 | 0.07 | 0.15 | 0.24 | 0.29 | 0.26 | 0.25 | 0.15 | 0.08 | 0.04 | 0.04 | |
| 27 | 0.03 | 0.04 | 0.08 | 0.18 | 0.25 | 0.26 | 0.19 | 0.26 | 0.17 | 0.07 | 0.03 | 0.04 | |
| 28 | 0.05 | 0.05 | 0.08 | 0.20 | 0.26 | 0.31 | 0.17 | 0.21 | 0.23 | 0.07 | 0.03 | 0.03 | |
| 29 | 0.03 | | 0.08 | 0.12 | 0.28 | 0.28 | 0.18 | 0.18 | 0.24 | 0.11 | 0.03 | 0.02 | |
| 30 | 0.03 | | 0.11 | 0.08 | 0.24 | 0.30 | 0.24 | 0.24 | 0.15 | 0.13 | 0.03 | 0.03 | |
| 31 | 0.04 | | 0.11 | | 0.26 | | 0.28 | 0.22 | | 0.08 | | 0.03 | |

Low Veg

| Date | January | February | March | April | May | June | July | August | September | October | November | December |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| 1 | 0.315 | 0.315 | 0.315 | 0.474 | 0.658 | 0.835 | 0.835 | 0.835 | 0.813 | 0.650 | 0.481 | 0.317 |
| 2 | 0.315 | 0.315 | 0.315 | 0.480 | 0.664 | 0.835 | 0.835 | 0.835 | 0.808 | 0.644 | 0.475 | 0.312 |
| 3 | 0.315 | 0.315 | 0.315 | 0.487 | 0.670 | 0.835 | 0.835 | 0.835 | 0.802 | 0.639 | 0.470 | 0.306 |
| 4 | 0.315 | 0.315 | 0.315 | 0.493 | 0.676 | 0.835 | 0.835 | 0.835 | 0.797 | 0.633 | 0.464 | 0.301 |
| 5 | 0.315 | 0.315 | 0.315 | 0.499 | 0.682 | 0.835 | 0.835 | 0.835 | 0.791 | 0.628 | 0.459 | 0.295 |
| 6 | 0.315 | 0.315 | 0.315 | 0.505 | 0.688 | 0.835 | 0.835 | 0.835 | 0.786 | 0.622 | 0.454 | 0.290 |
| 7 | 0.315 | 0.315 | 0.321 | 0.511 | 0.694 | 0.835 | 0.835 | 0.835 | 0.781 | 0.617 | 0.448 | 0.300 |
| 8 | 0.315 | 0.315 | 0.328 | 0.517 | 0.701 | 0.835 | 0.835 | 0.835 | 0.775 | 0.612 | 0.443 | 0.300 |
| 9 | 0.315 | 0.315 | 0.334 | 0.523 | 0.707 | 0.835 | 0.835 | 0.835 | 0.770 | 0.606 | 0.437 | 0.300 |
| 10 | 0.315 | 0.315 | 0.340 | 0.529 | 0.713 | 0.835 | 0.835 | 0.835 | 0.764 | 0.601 | 0.432 | 0.300 |
| 11 | 0.315 | 0.315 | 0.346 | 0.535 | 0.719 | 0.835 | 0.835 | 0.835 | 0.759 | 0.595 | 0.426 | 0.300 |
| 12 | 0.315 | 0.315 | 0.352 | 0.542 | 0.725 | 0.835 | 0.835 | 0.835 | 0.753 | 0.590 | 0.421 | 0.300 |
| 13 | 0.315 | 0.315 | 0.358 | 0.548 | 0.731 | 0.835 | 0.835 | 0.835 | 0.748 | 0.584 | 0.415 | 0.300 |
| 14 | 0.315 | 0.315 | 0.364 | 0.554 | 0.737 | 0.835 | 0.835 | 0.835 | 0.742 | 0.579 | 0.410 | 0.300 |
| 15 | 0.315 | 0.315 | 0.370 | 0.560 | 0.743 | 0.835 | 0.835 | 0.835 | 0.737 | 0.573 | 0.404 | 0.300 |
| 16 | 0.315 | 0.315 | 0.376 | 0.566 | 0.749 | 0.835 | 0.835 | 0.835 | 0.731 | 0.568 | 0.399 | 0.300 |
| 17 | 0.315 | 0.315 | 0.383 | 0.572 | 0.756 | 0.835 | 0.835 | 0.835 | 0.726 | 0.563 | 0.394 | 0.300 |
| 18 | 0.315 | 0.315 | 0.389 | 0.578 | 0.762 | 0.835 | 0.835 | 0.835 | 0.721 | 0.557 | 0.388 | 0.300 |
| 19 | 0.315 | 0.315 | 0.395 | 0.584 | 0.768 | 0.835 | 0.835 | 0.835 | 0.715 | 0.552 | 0.383 | 0.300 |
| 20 | 0.315 | 0.315 | 0.401 | 0.590 | 0.774 | 0.835 | 0.835 | 0.835 | 0.710 | 0.546 | 0.377 | 0.300 |
| 21 | 0.315 | 0.315 | 0.407 | 0.597 | 0.780 | 0.835 | 0.835 | 0.835 | 0.704 | 0.541 | 0.372 | 0.300 |
| 22 | 0.315 | 0.315 | 0.413 | 0.603 | 0.786 | 0.835 | 0.835 | 0.835 | 0.699 | 0.535 | 0.366 | 0.300 |
| 23 | 0.315 | 0.315 | 0.419 | 0.609 | 0.792 | 0.835 | 0.835 | 0.835 | 0.693 | 0.530 | 0.361 | 0.300 |
| 24 | 0.315 | 0.315 | 0.425 | 0.615 | 0.798 | 0.835 | 0.835 | 0.835 | 0.688 | 0.524 | 0.355 | 0.300 |
| 25 | 0.315 | 0.315 | 0.431 | 0.621 | 0.804 | 0.835 | 0.835 | 0.835 | 0.682 | 0.519 | 0.350 | 0.300 |
| 26 | 0.315 | 0.315 | 0.438 | 0.627 | 0.811 | 0.835 | 0.835 | 0.835 | 0.677 | 0.513 | 0.345 | 0.300 |
| 27 | 0.315 | 0.315 | 0.444 | 0.633 | 0.817 | 0.835 | 0.835 | 0.835 | 0.672 | 0.508 | 0.339 | 0.300 |
| 28 | 0.315 | 0.315 | 0.450 | 0.639 | 0.823 | 0.835 | 0.835 | 0.835 | 0.666 | 0.503 | 0.334 | 0.300 |
| 29 | 0.315 | | 0.456 | 0.645 | 0.829 | 0.835 | 0.835 | 0.830 | 0.661 | 0.497 | 0.328 | 0.300 |
| 30 | 0.315 | | 0.462 | 0.652 | 0.835 | 0.835 | 0.835 | 0.824 | 0.655 | 0.492 | 0.323 | 0.300 |
| 31 | 0.315 | | 0.468 | | 0.835 | | 0.835 | 0.819 | | 0.486 | | 0.300 |

ET calculations for Sheet AS
 Yuma Area - Average of 3 Local AZMET Stations 1999 Reference ET
 (Sheet to store reference ET numbers from the Yuma Valley AZMET site, from data file 9902eto.wk4)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--------------|---------|----------|--------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Reference ET | 4.26 | 4.90 | 6.83 | 8.10 | 10.43 | 11.40 | 10.46 | 9.09 | 7.93 | 7.33 | 3.99 | 4.25 | 88.97 |
| Date | | | | | | | | | | | | | |
| 1 | 0.14 | 0.17 | 0.21 | 0.11 | 0.26 | 0.20 | 0.40 | 0.35 | 0.33 | 0.23 | 0.15 | 0.11 | |
| 2 | 0.15 | 0.20 | 0.21 | 0.22 | 0.31 | 0.34 | 0.40 | 0.28 | 0.37 | 0.23 | 0.17 | 0.13 | |
| 3 | 0.20 | 0.16 | 0.25 | 0.22 | 0.27 | 0.38 | 0.39 | 0.33 | 0.29 | 0.21 | 0.17 | 0.19 | |
| 4 | 0.16 | 0.01 | 0.20 | 0.22 | 0.31 | 0.35 | 0.37 | 0.29 | 0.28 | 0.23 | 0.15 | 0.15 | |
| 5 | 0.15 | 0.08 | 0.18 | 0.22 | 0.32 | 0.31 | 0.37 | 0.33 | 0.28 | 0.27 | 0.12 | 0.12 | |
| 6 | 0.12 | 0.10 | 0.20 | 0.25 | 0.33 | 0.37 | 0.35 | 0.32 | 0.29 | 0.32 | 0.11 | 0.11 | |
| 7 | 0.11 | 0.11 | 0.18 | 0.20 | 0.32 | 0.39 | 0.23 | 0.33 | 0.30 | 0.29 | 0.09 | 0.09 | |
| 8 | 0.18 | 0.12 | 0.17 | 0.24 | 0.37 | 0.44 | 0.22 | 0.33 | 0.26 | 0.27 | 0.14 | 0.16 | |
| 9 | 0.21 | 0.14 | 0.21 | 0.30 | 0.34 | 0.39 | 0.31 | 0.34 | 0.13 | 0.24 | 0.13 | 0.07 | |
| 10 | 0.13 | 0.25 | 0.19 | 0.27 | 0.28 | 0.35 | 0.34 | 0.35 | 0.23 | 0.23 | 0.13 | 0.07 | |
| 11 | 0.09 | 0.23 | 0.23 | 0.28 | 0.30 | 0.35 | 0.33 | 0.33 | 0.22 | 0.21 | 0.13 | 0.19 | |
| 12 | 0.11 | 0.27 | 0.24 | 0.08 | 0.32 | 0.36 | 0.25 | 0.30 | 0.25 | 0.24 | 0.16 | 0.11 | |
| 13 | 0.13 | 0.22 | 0.19 | 0.23 | 0.35 | 0.37 | 0.29 | 0.33 | 0.26 | 0.24 | 0.16 | 0.07 | |
| 14 | 0.20 | 0.17 | 0.19 | 0.30 | 0.33 | 0.39 | 0.33 | 0.31 | 0.29 | 0.21 | 0.13 | 0.16 | |
| 15 | 0.13 | 0.20 | 0.25 | 0.41 | 0.35 | 0.41 | 0.36 | 0.31 | 0.28 | 0.19 | 0.13 | 0.14 | |
| 16 | 0.10 | 0.14 | 0.23 | 0.35 | 0.35 | 0.38 | 0.37 | 0.26 | 0.27 | 0.28 | 0.14 | 0.13 | |
| 17 | 0.10 | 0.16 | 0.19 | 0.32 | 0.33 | 0.41 | 0.37 | 0.33 | 0.29 | 0.37 | 0.17 | 0.15 | |
| 18 | 0.11 | 0.12 | 0.20 | 0.33 | 0.35 | 0.39 | 0.31 | 0.33 | 0.28 | 0.27 | 0.12 | 0.11 | |
| 19 | 0.10 | 0.17 | 0.21 | 0.33 | 0.40 | 0.39 | 0.38 | 0.19 | 0.30 | 0.22 | 0.11 | 0.17 | |
| 20 | 0.15 | 0.25 | 0.25 | 0.40 | 0.35 | 0.38 | 0.47 | 0.29 | 0.23 | 0.26 | 0.12 | 0.17 | |
| 21 | 0.19 | 0.19 | 0.24 | 0.35 | 0.35 | 0.44 | 0.42 | 0.30 | 0.07 | 0.24 | 0.13 | 0.14 | |
| 22 | 0.16 | 0.27 | 0.23 | 0.33 | 0.31 | 0.39 | 0.36 | 0.31 | 0.21 | 0.21 | 0.20 | 0.22 | |
| 23 | 0.13 | 0.21 | 0.25 | 0.26 | 0.30 | 0.39 | 0.35 | 0.20 | 0.14 | 0.19 | 0.15 | 0.20 | |
| 24 | 0.09 | 0.18 | 0.22 | 0.26 | 0.33 | 0.37 | 0.37 | 0.27 | 0.21 | 0.18 | 0.15 | 0.20 | |
| 25 | 0.04 | 0.20 | 0.22 * | 0.28 | 0.36 | 0.48 | 0.37 | 0.28 | 0.24 | 0.19 | 0.15 | 0.13 | |
| 26 | 0.12 | 0.20 | 0.22 * | 0.30 | 0.35 | 0.45 | 0.37 | 0.30 | 0.25 | 0.18 | 0.11 | 0.14 | |
| 27 | 0.10 | 0.19 | 0.22 * | 0.32 | 0.36 | 0.39 | 0.23 | 0.27 | 0.27 | 0.17 | 0.09 | 0.18 | |
| 28 | 0.19 | 0.19 | 0.22 * | 0.39 | 0.37 | 0.39 | 0.23 | 0.23 | 0.41 | 0.17 | 0.09 | 0.13 | |
| 29 | 0.15 | | 0.24 | 0.22 | 0.39 | 0.36 | 0.23 | 0.18 | 0.41 | 0.28 | 0.11 | 0.09 | |
| 30 | 0.13 | | 0.30 | 0.10 | 0.37 | 0.40 | 0.32 | 0.26 | 0.27 | 0.31 | 0.08 | 0.10 | |
| 31 | 0.16 | | 0.30 | | 0.40 | | 0.38 | 0.27 | | 0.22 | | 0.11 | |

* - Estimated value

AREA-SPECIFIC REFERENCE ET SHEET FOR THE YUMA AREA

1999 YUMA AREA-SPECIFIC REFERENCE ET USING THE STANDARD EQUATION (inches/day, average from the Yuma Valley, Yuma Mesa, and North Gila AZMET stations sites. Note: field data taken from daily values noted in file lcraspmet.xls)

| | DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL TOTAL |
|----|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
| 1 | | 0.12 | 0.13 | 0.17 | 0.12 | 0.20 | 0.21 | 0.37 | 0.32 | 0.33 | 0.19 | 0.14 | 0.10 | |
| 2 | | 0.12 | 0.14 | 0.18 | 0.16 | 0.26 | 0.29 | 0.37 | 0.28 | 0.30 | 0.21 | 0.15 | 0.12 | |
| 3 | | 0.15 | 0.11 | 0.21 | 0.17 | 0.25 | 0.31 | 0.37 | 0.29 | 0.23 | 0.18 | 0.16 | 0.16 | |
| 4 | | 0.11 | 0.06 | 0.17 | 0.18 | 0.25 | 0.29 | 0.31 | 0.29 | 0.24 | 0.20 | 0.14 | 0.13 | |
| 5 | | 0.10 | 0.06 | 0.14 | 0.17 | 0.26 | 0.24 | 0.30 | 0.32 | 0.23 | 0.23 | 0.10 | 0.10 | |
| 6 | | 0.10 | 0.07 | 0.16 | 0.19 | 0.27 | 0.29 | 0.35 | 0.32 | 0.24 | 0.29 | 0.11 | 0.10 | |
| 7 | | 0.09 | 0.09 | 0.15 | 0.17 | 0.28 | 0.32 | 0.22 | 0.31 | 0.26 | 0.25 | 0.10 | 0.08 | |
| 8 | | 0.14 | 0.09 | 0.13 | 0.18 | 0.31 | 0.35 | 0.24 | 0.29 | 0.26 | 0.23 | 0.12 | 0.14 | |
| 9 | | 0.16 | 0.11 | 0.15 | 0.22 | 0.27 | 0.31 | 0.29 | 0.33 | 0.18 | 0.21 | 0.11 | 0.08 | |
| 10 | | 0.12 | 0.18 | 0.14 | 0.19 | 0.25 | 0.29 | 0.31 | 0.34 | 0.24 | 0.21 | 0.11 | 0.08 | |
| 11 | | 0.08 | 0.16 | 0.19 | 0.22 | 0.25 | 0.29 | 0.32 | 0.28 | 0.25 | 0.19 | 0.12 | 0.18 | |
| 12 | | 0.09 | 0.21 | 0.19 | 0.11 | 0.28 | 0.29 | 0.23 | 0.27 | 0.22 | 0.22 | 0.15 | 0.09 | |
| 13 | | 0.11 | 0.16 | 0.15 | 0.18 | 0.32 | 0.30 | 0.27 | 0.30 | 0.23 | 0.20 | 0.14 | 0.08 | |
| 14 | | 0.15 | 0.12 | 0.16 | 0.24 | 0.28 | 0.34 | 0.30 | 0.31 | 0.26 | 0.18 | 0.13 | 0.13 | |
| 15 | | 0.10 | 0.16 | 0.20 | 0.31 | 0.29 | 0.37 | 0.32 | 0.30 | 0.28 | 0.16 | 0.13 | 0.12 | |
| 16 | | 0.09 | 0.11 | 0.18 | 0.26 | 0.28 | 0.34 | 0.32 | 0.25 | 0.29 | 0.24 | 0.11 | 0.10 | |
| 17 | | 0.08 | 0.12 | 0.15 | 0.25 | 0.27 | 0.34 | 0.33 | 0.30 | 0.29 | 0.31 | 0.15 | 0.11 | |
| 18 | | 0.08 | 0.10 | 0.15 | 0.25 | 0.31 | 0.32 | 0.31 | 0.30 | 0.28 | 0.21 | 0.10 | 0.11 | |
| 19 | | 0.08 | 0.13 | 0.17 | 0.27 | 0.34 | 0.30 | 0.31 | 0.22 | 0.29 | 0.19 | 0.10 | 0.15 | |
| 20 | | 0.12 | 0.19 | 0.22 | 0.35 | 0.28 | 0.32 | 0.39 | 0.27 | 0.23 | 0.23 | 0.11 | 0.14 | |
| 21 | | 0.16 | 0.15 | 0.20 | 0.30 | 0.30 | 0.40 | 0.34 | 0.27 | 0.10 | 0.19 | 0.11 | 0.11 | |
| 22 | | 0.12 | 0.22 | 0.17 | 0.29 | 0.26 | 0.34 | 0.31 | 0.29 | 0.21 | 0.17 | 0.16 | 0.18 | |
| 23 | | 0.09 | 0.17 | 0.20 | 0.22 | 0.24 | 0.33 | 0.35 | 0.24 | 0.15 | 0.16 | 0.11 | 0.17 | |
| 24 | | 0.09 | 0.14 | 0.17 | 0.19 | 0.26 | 0.31 | 0.34 | 0.26 | 0.19 | 0.14 | 0.12 | 0.14 | |
| 25 | | 0.08 | 0.18 | 0.14 | 0.22 | 0.29 | 0.39 | 0.35 | 0.29 | 0.20 | 0.15 | 0.12 | 0.11 | |
| 26 | | 0.08 | 0.15 | 0.16 | 0.24 | 0.30 | 0.35 | 0.31 | 0.30 | 0.23 | 0.15 | 0.11 | 0.12 | |
| 27 | | 0.08 | 0.14 | 0.18 | 0.28 | 0.31 | 0.32 | 0.23 | 0.31 | 0.26 | 0.13 | 0.08 | 0.13 | |
| 28 | | 0.15 | 0.15 | 0.17 | 0.31 | 0.32 | 0.37 | 0.20 | 0.25 | 0.35 | 0.14 | 0.09 | 0.11 | |
| 29 | | 0.11 | | 0.19 | 0.19 | 0.34 | 0.33 | 0.22 | 0.21 | 0.36 | 0.23 | 0.10 | 0.07 | |
| 30 | | 0.10 | | 0.23 | 0.12 | 0.29 | 0.36 | 0.29 | 0.30 | 0.23 | 0.25 | 0.10 | 0.09 | |
| 31 | | 0.12 | | 0.24 | | 0.31 | | 0.34 | 0.27 | | 0.17 | | 0.09 | |
| | TOTAL | 3.38 | 3.80 | 5.40 | 6.56 | 8.73 | 9.61 | 9.50 | 8.88 | 7.43 | 6.21 | 3.60 | 3.59 | 76.67 |

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
|-------|-------|--------|-------------|--------|--------|--------|--------|--------|--------|--------|-------|--------|---------|
| 1 | 3.00 | 3.60 | 4.80 | 3.20 | 5.30 | 5.60 | 9.70 | 8.50 | 8.80 | 4.90 | 3.50 | 2.80 | |
| 2 | 3.30 | 4.30 | 4.60 | 4.30 | 6.70 | 7.70 | 9.60 | 7.10 | 9.80 | 5.50 | 3.70 | 3.20 | |
| 3 | 4.40 | 3.30 | 5.80 | 4.30 | 6.50 | 9.00 | 9.50 | 7.60 | 6.40 | 4.70 | 3.80 | 4.20 | |
| 4 | 3.30 | 1.50 | 5.20 | 4.60 | 6.90 | 7.60 | 8.50 | 7.30 | 6.40 | 5.20 | 3.60 | 3.60 | |
| 5 | 3.10 | 1.50 | 3.70 | 4.40 | 6.90 | 6.60 | 8.40 | 8.10 | 6.40 | 6.90 | 2.80 | 2.90 | |
| 6 | 2.50 | 1.80 | 4.20 | 5.00 | 7.30 | 8.10 | 9.00 | 7.70 | 6.60 | 7.90 | 3.10 | 2.80 | |
| 7 | 2.30 | 2.30 | 4.20 | 4.80 | 7.20 | 8.60 | 6.20 | 7.50 | 7.00 | 6.80 | 2.50 | 2.30 | |
| 8 | 3.80 | 2.60 | 3.40 | 5.00 | 8.60 | 10.50 | 6.10 | 7.50 | 6.60 | 6.60 | 3.50 | 3.80 | |
| 9 | 4.80 | 3.00 | 4.30 | 6.30 | 7.60 | 8.50 | 7.50 | 8.20 | 4.20 | 5.60 | 3.20 | 2.00 | |
| 10 | 3.70 | 5.40 | 3.80 | 5.30 | 6.10 | 7.70 | 8.00 | 8.80 | 6.20 | 5.30 | 2.80 | 2.40 | |
| 11 | 2.10 | 5.10 | 5.50 | 5.70 | 6.50 | 7.60 | 8.40 | 7.50 | 6.10 | 4.70 | 2.90 | 4.60 | |
| 12 | 2.30 | 6.30 | 5.30 | 2.70 | 7.30 | 7.90 | 6.90 | 6.90 | 6.10 | 5.50 | 4.00 | 2.50 | |
| 13 | 3.00 | 5.00 | 3.90 | 4.80 | 7.90 | 8.40 | 7.30 | 8.00 | 6.50 | 5.20 | 3.90 | 2.10 | |
| 14 | 4.60 | 3.50 | 4.30 | 6.60 | 7.20 | 9.20 | 8.10 | 7.80 | 7.20 | 5.00 | 3.50 | 3.80 | |
| 15 | 2.80 | 4.60 | 5.40 | 9.10 | 7.80 | 9.60 | 8.80 | 7.30 | 7.10 | 4.40 | 3.30 | 3.30 | |
| 16 | 2.30 | 3.10 | 4.80 | 8.00 | 8.00 | 8.80 | 8.70 | 6.80 | 7.30 | 7.00 | 3.50 | 3.20 | |
| 17 | 2.10 | 3.30 | 3.70 | 7.00 | 7.20 | 9.20 | 8.70 | 7.90 | 7.60 | 9.20 | 4.50 | 3.60 | |
| 18 | 2.20 | 2.80 | 4.10 | 7.10 | 7.90 | 8.90 | 7.80 | 8.00 | 7.00 | 6.30 | 2.70 | 2.70 | |
| 19 | 2.40 | 3.60 | 4.40 | 7.60 | 9.20 | 8.60 | 8.60 | 5.80 | 7.20 | 4.80 | 2.60 | 4.20 | |
| 20 | 3.20 | 5.40 | 6.00 | 9.60 | 7.80 | 8.70 | 11.90 | 7.00 | 6.10 | 6.50 | 2.90 | 3.90 | |
| 21 | 4.10 | 4.20 | 5.60 | 8.20 | 7.80 | 10.20 | 10.20 | 7.00 | 3.20 | 5.30 | 3.00 | 3.40 | |
| 22 | 3.20 | 6.00 | 4.70 | 7.80 | 6.80 | 8.90 | 8.20 | 7.60 | 5.80 | 4.60 | 4.50 | 5.50 | |
| 23 | 2.80 | 4.70 | 5.10 | 5.80 | 6.40 | 9.00 | 8.60 | 6.20 | 3.80 | 4.00 | 3.30 | 5.10 | |
| 24 | 2.40 | 3.70 | 4.40 | 5.20 | 7.20 | 8.80 | 8.80 | 6.70 | 5.00 | 3.80 | 3.50 | 4.90 | |
| 25 | 2.30 | 4.60 | 4.00 | 6.10 | 8.00 | 12.60 | 8.90 | 7.20 | 5.50 | 4.10 | 3.60 | 3.20 | |
| 26 | 2.20 | 4.10 | 4.40 | 6.70 | 8.10 | 11.00 | 8.60 | 7.80 | 5.80 | 4.30 | 2.90 | 3.30 | |
| 27 | 2.30 | 3.90 | 5.10 | 7.50 | 8.30 | 8.80 | 6.90 | 7.20 | 6.60 | 3.50 | 2.20 | 4.30 | |
| 28 | 4.20 | 4.00 | 4.70 | 8.60 | 8.70 | 9.50 | 5.60 | 6.50 | 9.90 | 3.80 | 2.40 | 3.20 | |
| 29 | 3.10 | | 5.10 | 4.60 | 8.90 | 8.90 | 5.80 | 5.60 | 10.60 | 6.70 | 2.70 | 2.10 | |
| 30 | 2.90 | | 6.50 | 2.90 | 8.00 | 9.50 | 7.70 | 7.30 | 6.10 | 8.10 | 2.60 | 2.30 | |
| 31 | 3.60 | | 6.30 | | 9.50 | | 9.20 | 7.00 | | 5.40 | | 2.80 | |
| TOTAL | 94.30 | 107.20 | 147.30 | 178.80 | 233.60 | 264.00 | 256.20 | 227.40 | 198.90 | 171.60 | 97.00 | 104.00 | 2080.30 |

Missing values estimated from Yuma N. Gila data

Page 3 of 4 SITE-SPECIFIC REFERENCE ET FOR THE YUMA MESA AZMET SITE USING THE STANDARD EQUATION (millimeters/day)

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| 1 | 3.10 | 3.20 | 3.90 | 2.70 | 4.90 | 5.30 | 9.20 | 7.70 | 7.40 | 4.30 | 3.50 | 2.50 | |
| 2 | 3.20 | 3.30 | 4.50 | 3.90 | 6.50 | 7.30 | 8.80 | 7.10 | 7.20 | 5.10 | 3.60 | 2.80 | |
| 3 | 3.90 | 2.80 | 5.30 | 4.10 | 6.10 | 7.50 | 9.20 | 6.90 | 5.80 | 4.60 | 3.80 | 4.20 | |
| 4 | 2.70 | 1.40 | 4.10 | 4.30 | 6.00 | 7.30 | 7.80 | 7.40 | 5.60 | 4.70 | 3.10 | 3.20 | |
| 5 | 2.60 | 1.40 | 3.40 | 4.30 | 6.50 | 6.00 | 7.30 | 7.80 | 5.70 | 5.10 | 2.50 | 2.30 | |
| 6 | 2.90 | 1.70 | 4.00 | 4.60 | 6.40 | 7.20 | 8.60 | 7.40 | 5.90 | 7.10 | 2.70 | 2.60 | |
| 7 | 2.20 | 2.10 | 3.90 | 4.10 | 7.00 | 8.20 | 5.40 | 7.50 | 6.30 | 5.90 | 2.60 | 1.90 | |
| 8 | 3.60 | 2.30 | 3.20 | 4.20 | 7.40 | 7.90 | 5.40 | 7.40 | 6.40 | 5.30 | 3.00 | 3.10 | |
| 9 | 4.00 | 2.80 | 3.90 | 5.30 | 6.30 | 7.50 | 7.40 | 7.60 | 4.70 | 4.80 | 2.80 | 1.90 | |
| 10 | 2.70 | 4.20 | 3.70 | 4.70 | 6.10 | 6.90 | 7.70 | 8.00 | 5.80 | 4.80 | 2.90 | 2.00 | |
| 11 | 2.10 | 3.40 | 4.30 | 5.10 | 6.40 | 7.00 | 7.60 | 7.10 | 6.30 | 4.40 | 3.20 | 4.40 | |
| 12 | 2.30 | 4.60 | 4.40 | 2.50 | 7.10 | 7.20 | 5.50 | 6.70 | 5.30 | 5.10 | 3.80 | 2.20 | |
| 13 | 2.50 | 3.90 | 3.70 | 4.40 | 7.70 | 7.20 | 6.60 | 7.10 | 5.70 | 4.70 | 3.40 | 1.90 | |
| 14 | 3.40 | 2.90 | 3.90 | 5.80 | 6.90 | 8.40 | 7.10 | 7.40 | 5.90 | 3.80 | 3.20 | 3.00 | |
| 15 | 2.40 | 3.70 | 5.20 | 7.20 | 6.90 | 9.10 | 8.10 | 7.00 | 7.00 | 3.80 | 3.10 | 2.90 | |
| 16 | 2.20 | 2.30 | 4.40 | 5.40 | 6.80 | 8.00 | 7.70 | 6.20 | 6.60 | 5.70 | 2.70 | 2.50 | |
| 17 | 1.90 | 2.90 | 3.80 | 6.00 | 6.90 | 8.40 | 7.80 | 7.00 | 6.50 | 7.00 | 3.60 | 2.40 | |
| 18 | 2.00 | 2.70 | 3.80 | 5.90 | 7.60 | 7.70 | 7.80 | 7.00 | 6.70 | 5.10 | 2.70 | 2.60 | |
| 19 | 2.00 | 3.40 | 4.20 | 6.20 | 8.40 | 7.40 | 7.70 | 4.80 | 6.90 | 4.60 | 2.40 | 3.70 | |
| 20 | 3.00 | 4.40 | 5.60 | 8.10 | 6.80 | 7.90 | 9.80 | 6.40 | 5.70 | 5.50 | 2.60 | 3.30 | |
| 21 | 3.60 | 3.70 | 4.80 | 7.00 | 7.10 | 9.70 | 8.20 | 6.50 | 2.50 | 4.50 | 2.60 | 2.50 | |
| 22 | 2.90 | 5.10 | 4.30 | 6.60 | 6.50 | 8.70 | 7.60 | 7.00 | 5.00 | 4.20 | 3.70 | 4.10 | |
| 23 | 2.30 | 4.20 | 4.70 | 5.00 | 6.20 | 8.20 | 8.40 | 6.00 | 3.50 | 3.80 | 2.80 | 3.90 | |
| 24 | 2.00 | 3.40 | 4.10 | 4.50 | 6.40 | 7.80 | 8.40 | 6.10 | 4.70 | 3.30 | 3.10 | 2.70 | |
| 25 | 1.80 | 4.70 | 3.20 | 5.20 | 7.30 | 9.40 | 8.20 | 7.20 | 4.90 | 3.60 | 3.10 | 2.30 | |
| 26 | 2.00 | 3.80 | 3.90 | 5.80 | 7.20 | 8.10 | 7.50 | 7.40 | 5.70 | 3.20 | 2.70 | 2.60 | |
| 27 | 1.80 | 3.40 | 4.20 | 6.70 | 7.40 | 7.30 | 5.30 | 7.70 | 6.30 | 3.30 | 2.00 | 2.40 | |
| 28 | 3.40 | 3.60 | 4.00 | 6.80 | 7.60 | 9.40 | 4.70 | 6.10 | 8.80 | 3.50 | 2.10 | 2.40 | |
| 29 | 2.60 | | 4.40 | 4.60 | 7.80 | 8.60 | 5.40 | 4.70 | 8.60 | 5.60 | 2.80 | 1.80 | |
| 30 | 2.50 | | 5.40 | 3.60 | 7.10 | 9.40 | 7.30 | 6.90 | 5.40 | 5.60 | 2.20 | 2.20 | |
| 31 | 2.90 | | 5.80 | | 7.00 | | 9.00 | 6.70 | | 3.70 | | 2.10 | |
| TOTAL | 82.50 | 91.30 | 132.00 | 154.60 | 212.30 | 236.00 | 232.50 | 213.80 | 178.80 | 145.70 | 88.30 | 84.40 | 1852.20 |

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
|-------|-------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| 1 | 3.10 | 2.90 | 4.10 | 3.30 | 4.90 | 5.20 | 9.00 | 8.30 | 8.70 | 5.00 | 3.80 | 2.50 | |
| 2 | 2.60 | 3.40 | 4.50 | 4.20 | 6.60 | 6.90 | 10.00 | 6.90 | 6.00 | 5.50 | 4.10 | 2.80 | |
| 3 | 3.30 | 2.60 | 4.90 | 4.40 | 6.20 | 6.90 | 9.30 | 7.60 | 5.70 | 4.50 | 4.30 | 4.00 | |
| 4 | 2.40 | 1.30 | 3.70 | 4.50 | 6.20 | 7.10 | 7.50 | 7.70 | 6.10 | 5.40 | 3.80 | 2.90 | |
| 5 | 2.30 | 1.50 | 3.40 | 4.30 | 6.30 | 5.80 | 7.40 | 8.70 | 5.80 | 5.50 | 2.70 | 2.50 | |
| 6 | 2.60 | 1.70 | 4.30 | 5.10 | 6.70 | 7.10 | 9.30 | 9.10 | 6.00 | 7.40 | 2.90 | 2.00 | |
| 7 | 2.00 | 2.10 | 3.50 | 4.30 | 7.00 | 7.90 | 5.20 | 8.70 | 6.50 | 6.10 | 2.70 | 2.20 | |
| 8 | 3.50 | 2.30 | 3.10 | 4.20 | 7.80 | 7.90 | 6.70 | 7.30 | 6.50 | 5.60 | 2.90 | 3.40 | |
| 9 | 3.60 | 2.60 | 3.60 | 5.30 | 7.00 | 7.40 | 7.00 | 9.00 | 4.70 | 5.50 | 2.60 | 1.90 | |
| 10 | 3.10 | 4.30 | 3.50 | 4.70 | 6.50 | 7.20 | 7.60 | 9.40 | 6.10 | 5.90 | 2.70 | 1.80 | |
| 11 | 1.90 | 3.90 | 4.40 | 5.80 | 6.30 | 7.30 | 8.30 | 6.50 | 6.90 | 5.00 | 3.00 | 4.40 | |
| 12 | 2.10 | 4.80 | 4.50 | 3.00 | 7.10 | 7.10 | 5.40 | 6.80 | 5.70 | 5.90 | 3.80 | 2.10 | |
| 13 | 2.60 | 3.60 | 3.60 | 4.30 | 8.90 | 7.20 | 6.70 | 7.50 | 5.50 | 5.10 | 3.30 | 1.80 | |
| 14 | 3.80 | 2.80 | 3.80 | 5.90 | 7.00 | 8.10 | 7.40 | 8.60 | 6.70 | 4.70 | 3.40 | 3.00 | |
| 15 | 2.50 | 3.70 | 4.80 | 7.40 | 7.30 | 9.50 | 7.60 | 8.60 | 7.60 | 4.20 | 3.40 | 2.60 | |
| 16 | 2.00 | 2.70 | 4.30 | 6.30 | 6.60 | 8.90 | 8.10 | 6.40 | 7.90 | 5.80 | 2.40 | 2.20 | |
| 17 | 1.90 | 3.00 | 3.80 | 6.40 | 6.70 | 8.40 | 8.60 | 7.70 | 8.00 | 7.30 | 3.20 | 2.30 | |
| 18 | 1.80 | 2.50 | 3.50 | 6.40 | 8.00 | 7.70 | 8.00 | 7.70 | 7.80 | 4.60 | 2.20 | 2.80 | |
| 19 | 2.00 | 3.20 | 4.30 | 6.90 | 8.40 | 7.20 | 7.40 | 5.90 | 8.10 | 4.70 | 2.50 | 3.90 | |
| 20 | 2.90 | 4.70 | 5.20 | 9.30 | 7.10 | 7.80 | 7.90 | 7.30 | 5.80 | 5.70 | 2.70 | 3.10 | |
| 21 | 4.30 | 3.60 | 4.50 | 7.70 | 8.00 | 10.60 | 7.30 | 6.70 | 2.20 | 5.00 | 2.60 | 2.80 | |
| 22 | 3.00 | 5.60 | 4.30 | 7.60 | 6.40 | 8.60 | 7.80 | 7.40 | 5.40 | 4.40 | 4.10 | 4.10 | |
| 23 | 2.00 | 3.70 | 5.20 | 5.60 | 6.00 | 8.10 | 9.50 | 6.00 | 3.80 | 4.10 | 2.50 | 3.90 | |
| 24 | 2.20 | 3.60 | 4.10 | 4.80 | 6.30 | 7.20 | 8.50 | 6.80 | 5.10 | 3.60 | 2.60 | 3.00 | |
| 25 | 1.80 | 4.10 | 3.50 | 5.70 | 7.00 | 8.00 | 9.80 | 7.70 | 5.10 | 3.80 | 2.60 | 2.60 | |
| 26 | 2.00 | 3.80 | 3.90 | 6.10 | 7.40 | 7.70 | 7.50 | 8.00 | 5.70 | 3.70 | 2.70 | 3.00 | |
| 27 | 2.00 | 3.30 | 4.50 | 7.20 | 7.60 | 8.00 | 5.40 | 8.60 | 6.80 | 3.40 | 1.70 | 2.90 | |
| 28 | 3.50 | 3.60 | 4.20 | 8.20 | 8.10 | 9.00 | 5.10 | 6.80 | 7.90 | 3.50 | 2.70 | 2.50 | |
| 29 | 2.50 | | 4.70 | 4.90 | 9.40 | 8.00 | 5.40 | 5.80 | 8.30 | 5.20 | 2.50 | 1.70 | |
| 30 | 2.60 | | 6.00 | 2.70 | 7.20 | 8.30 | 7.10 | 8.40 | 5.90 | 5.70 | 2.70 | 2.50 | |
| 31 | 2.60 | | 6.10 | | 7.10 | | 7.70 | 7.20 | | 3.90 | | 2.30 | |
| TOTAL | 80.50 | 90.90 | 131.80 | 166.50 | 219.10 | 232.10 | 235.50 | 235.10 | 188.30 | 155.70 | 89.10 | 85.50 | 1910.10 |

Missing values estimated from Yuma Valley data

YUMA ARIZONA AREA AVERAGE PRECIPITATION SHEET

| | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* * - Not in service 1/1-5/31, 6/26-7/8, 11/19-11/30, & 12/18-12/31 | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|--------------|-----------------------|-------------------|------------------|-----------------|--|-------------------------|------------------------------|
| Annual Total | 2.53 | 3.51 | 2.2 | 2.24 | 0.79 | 2.69 | 2.1 |

1999 - YUMA ARIZONA AREA AVERAGE DAILY PRECIPITATION (inches)

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* * - Not in service 1/1-5/31, 6/26-7/8, 11/19-11/30, & 12/18-12/31 | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|------|-----------------------|-------------------|------------------|-----------------|--|-------------------------|------------------------------|
| 1/1 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/2 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/3 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/4 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/5 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/6 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/7 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/8 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/9 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/10 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/11 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/12 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/13 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/14 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/15 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/16 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/17 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/18 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/19 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/20 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/21 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/22 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/23 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/24 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/25 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/26 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/27 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/28 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/29 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/30 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 1/31 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |

Yuma Citrus Station NWS*
 * - Not in service 1/1-5/31, 6/26-7/8,

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | 11/19-11/30, & 12/18-12/31 | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|------|-----------------------|-------------------|------------------|-----------------|----------------------------|-------------------------|------------------------------|
| 2/1 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/2 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/3 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/4 | 0.3880 | 0.5000 | 0.4701 | 0.4000 | ----- | 0.5700 | 0 |
| 2/5 | 0.1480 | 0.0098 | 0.1402 | 0.0201 | ----- | 0.0300 | 0.5400 |
| 2/6 | 0.0039 | 0.0098 | 0.0098 | 0 | ----- | 0 | 0 |
| 2/7 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/8 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/9 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/10 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/11 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/12 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/13 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/14 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/15 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/16 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/17 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/18 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/19 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/20 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/21 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/22 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/23 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/24 | 0.0020 | 0.0098 | 0 | 0 | ----- | 0 | 0 |
| 2/25 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/26 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/27 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 2/28 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |

Yuma Citrus Station NWS*
 * - Not in service 1/1-5/31, 6/26-7/8,
 11/19-11/30, & 12/18-12/31

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|------|-----------------------|-------------------|------------------|-----------------|--------------------------|-------------------------|------------------------------|
| 3/1 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/2 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/3 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/4 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/5 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/6 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/7 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/8 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/9 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/10 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/11 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/12 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/13 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/14 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/15 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/16 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/17 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/18 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/19 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/20 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/21 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/22 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/23 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/24 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/25 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/26 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/27 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/28 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/29 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/30 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 3/31 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |

| Date | Average Daily Precip. | Yuma Citrus Station NWS* | | | | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|------|-----------------------|--------------------------|------------------|-----------------|--|-------------------------|------------------------------|
| | | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | * - Not in service 1/1-5/31, 6/26-7/8, 11/19-11/30, & 12/18-12/31 | | |
| 4/ 1 | 0.3200 | 0.4701 | 0.3500 | 0.4500 | ----- | 0.3300 | 0 |
| 4/ 2 | 0.6100 | 0.4299 | 0.5402 | 0.5500 | ----- | 0.5300 | 1.0000 |
| 4/ 3 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/ 4 | 0.0180 | 0 | 0.0201 | 0 | ----- | 0.0300 | 0.0400 |
| 4/ 5 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/ 6 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/ 7 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/ 8 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/ 9 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/10 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/11 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/12 | 0.0980 | 0.0701 | 0.1098 | 0.1402 | ----- | 0.1700 | 0 |
| 4/13 | 0.0340 | 0 | 0 | 0 | ----- | 0.0400 | 0.1300 |
| 4/14 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/15 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/16 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/17 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/18 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/19 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/20 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/21 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/22 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/23 | 0.0180 | 0.0299 | 0.0098 | 0.0500 | ----- | 0 | 0 |
| 4/24 | 0.0080 | 0.0098 | 0 | 0 | ----- | 0 | 0.0300 |
| 4/25 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/26 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/27 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/28 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/29 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 4/30 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |

Yuma Citrus Station NWS*
 * - Not in service 1/1-5/31, 6/26-7/8,
 11/19-11/30, & 12/18-12/31

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|------|-----------------------|-------------------|------------------|-----------------|--------------------------|-------------------------|------------------------------|
| 5/1 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/2 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/3 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/4 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/5 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/6 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/7 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/8 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/9 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/10 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/11 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/12 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/13 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/14 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/15 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/16 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/17 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/18 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/19 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/20 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/21 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/22 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/23 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/24 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/25 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/26 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/27 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/28 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/29 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/30 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 5/31 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |

Yuma Citrus Station NWS*
 * - Not in service 1/1-5/31, 6/26-7/8,
 11/19-11/30, & 12/18-12/31

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|------|-----------------------|-------------------|------------------|-----------------|--------------------------|-------------------------|------------------------------|
| 6/ 1 | 0.0050 | 0.0201 | 0 | 0.0098 | 0 | 0 | 0 |
| 6/ 2 | 0.0200 | 0.0299 | 0.0098 | 0.0201 | 0.0400 | 0.0200 | 0 |
| 6/ 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/ 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6/26 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 6/27 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 6/28 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 6/29 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 6/30 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |

Yuma Citrus Station NWS*
 * - Not in service 1/1-5/31, 6/26-7/8,
 11/19-11/30, & 12/18-12/31

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|------|-----------------------|-------------------|------------------|-----------------|--------------------------|-------------------------|------------------------------|
| 7/1 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 7/2 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 7/3 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 7/4 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 7/5 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 7/6 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 7/7 | 0.0060 | 0 | 0 | 0 | ----- | 0.0300 | 0 |
| 7/8 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 7/9 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 7/10 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 7/11 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 7/12 | 0.1433 | 0.0201 | 0.3201 | 0.0598 | | 0.4300 | 0.0300 |
| 7/13 | 0.0267 | 0 | 0 | 0 | 0.0900 | 0 | 0.0700 |
| 7/14 | 0.0017 | 0 | 0 | 0 | 0.0100 | 0 | 0 |
| 7/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/27 | 0.0050 | 0 | 0 | 0 | 0 | 0.0300 | 0 |
| 7/28 | 0.2317 | 0.9201 | 0.0500 | 0.3000 | 0 | 0.1200 | 0 |
| 7/29 | 0.0950 | 0 | 0 | 0 | 0.3100 | 0 | 0.2600 |
| 7/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Yuma Citrus Station NWS*
 * - Not in service 1/1-5/31, 6/26-7/8,
 11/19-11/30, & 12/18-12/31

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|------|-----------------------|-------------------|------------------|-----------------|--------------------------|-------------------------|------------------------------|
| 8/1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/19 | 0.0050 | 0 | 0 | 0.0299 | 0 | 0 | 0 |
| 8/20 | 0.0083 | 0 | 0 | 0 | 0.0500 | 0 | 0 |
| 8/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/26 | 0.0417 | 0.2500 | 0 | 0 | 0 | 0 | 0 |
| 8/27 | 0.0583 | 0.3500 | 0 | 0 | 0 | 0 | 0 |
| 8/28 | 0.0117 | 0.0701 | 0 | 0 | 0 | 0 | 0 |
| 8/29 | 0.0083 | 0.0402 | 0 | 0.0098 | 0 | 0 | 0 |
| 8/30 | 0.0150 | 0.0701 | 0 | 0 | 0.0200 | 0 | 0 |
| 8/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Yuma Citrus Station NWS*
 * - Not in service 1/1-5/31, 6/26-7/8,
 11/19-11/30, & 12/18-12/31

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|------|-----------------------|-------------------|------------------|-----------------|--------------------------|-------------------------|------------------------------|
| 9/1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/16 | 0.0233 | 0 | 0 | 0 | 0 | 0.1400 | 0 |
| 9/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/20 | 0.0150 | 0 | 0 | 0 | 0 | 0.0900 | 0 |
| 9/21 | 0.0017 | 0 | 0 | 0 | 0 | 0.0100 | 0 |
| 9/22 | 0.0250 | 0.0598 | 0 | 0.0402 | 0.0500 | 0 | 0 |
| 9/23 | 0.1333 | 0.1402 | 0.1701 | 0.1598 | 0.2100 | 0.1200 | 0 |
| 9/24 | 0.0017 | 0 | 0 | 0 | 0.0100 | 0 | 0 |
| 9/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Yuma Citrus Station NWS*
 * - Not in service 1/1-5/31, 6/26-7/8,
 11/19-11/30, & 12/18-12/31

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|-------|-----------------------|-------------------|------------------|-----------------|--------------------------|-------------------------|------------------------------|
| 10/1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Yuma Citrus Station NWS*
 * - Not in service 1/1-5/31, 6/26-7/8,
 11/19-11/30, & 12/18-12/31

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|-------|-----------------------|-------------------|------------------|-----------------|--------------------------|-------------------------|------------------------------|
| 11/1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11/19 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/20 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/21 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/22 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/23 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/24 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/25 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/26 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/27 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/28 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/29 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |
| 11/30 | 0 | 0 | 0 | 0 | ----- | 0 | 0 |

| Date | Average Daily Precip. | Yuma Valley AZMET | North Gila AZMET | Yuma Mesa AZMET | Yuma Citrus Station NWS* | | Yuma Proving Ground NWS | Yuma Quartermaster Depot NWS |
|--------|-----------------------|-------------------|------------------|-----------------|---|------|-------------------------|------------------------------|
| | | | | | * - Not in service 1/1-5/31, 6/26-7/8, 11/19-11/30, & 12/18-12/31 | | | |
| 12/ 1 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/ 2 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/ 3 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/ 4 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/ 5 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/ 6 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/ 7 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/ 8 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/ 9 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/10 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/11 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/12 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/13 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/14 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/15 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/16 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/17 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| 12/18 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/19 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/20 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/21 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/22 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/23 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/24 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/25 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/26 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/27 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/28 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/29 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/30 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| 12/31 | 0 | 0 | 0 | 0 | ----- | | 0 | 0 |
| Totals | 2.53 | 3.51 | 2.20 | 2.24 | See Note * | 0.79 | 2.69 | 2.1 |

* - Not in service 1/1-5/31, 6/26-7/8, 11/19-11/30, & 12/18-12/31

Lower Colorado River Accounting System

Demonstration of Technology

Documentation for Calendar Year 1999

Appendix I: Part 2

Water Balance and Consumptive Use Calculations

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Appendix I, Part 2

Water Balance and Consumptive Use Calculations

Introduction

This documentation covers the calculations used to develop the water balance, and water use (WU) and consumptive use (CU) values used in the Lower Colorado River Accounting System, Demonstration of Technology, for Calendar Year 1999.

Water-Balance Tables Description

The tables that display the data and calculations used in the water balance to calculate WU and CU are referred to as the water-balance tables.

The water-balance tables display the calculations of inflows, outflows, and the residual. The water-balance tables also display how the residual is distributed to each of the inflow and outflow values in proportion to the magnitude and the variance (the square of the standard error of estimate) of each inflow and outflow value.

The algebraic sum of the evapotranspiration (ET) for crops and phreatophytes and the portion of the residual distributed to crop and phreatophyte ET provides the final estimate of crop CU and phreatophyte WU. The algebraic sum of the initial estimate of domestic use and the portion of the residual distributed to domestic use provides the final estimate of domestic consumptive use.

Each water-balance table consists of several sheets. The first sheet is a summary sheet, labeled sheet A, and includes the annual water balance, the distribution of the residual, the standard error of estimate values used to distribute the residual, the resultant standard errors of estimate for the distributed values, and the resultant values of crop and domestic CU and phreatophyte WU for the reach and for each diverter within the reach.

The sheets following sheet A (labeled sheets B, C, ... AK¹) are used to store data and the results of intermediate calculations. Each sheet is titled and generally reports one topic. At the top of each sheet is a summary or total of the calculations made on that sheet, the source of the data displayed on the sheet, and

¹ Not all water-balance tables have the same number of sheets. The number of sheets varies with the number of diverters balanced by each table.

the type of calculations performed within the sheet. A more detailed description of each sheet of the water-balance tables is presented in the following paragraphs.

The basic water-balance equation used is:

$$\text{Inflow-Outflow} = \text{Residual.}^2$$

The inflows are:

$$\begin{aligned} Q_{us} &= \text{Flow at upstream boundary.} \\ T_{rm} &= \text{Measured tributary inflow.} \\ T_{rum} &= \text{Unmeasured tributary inflow.} \end{aligned}$$

The outflows are:

$$\begin{aligned} Q_{ex} &= \text{Export flow.} \\ S_r &= \text{Change in reservoir storage.} \\ CU_d &= \text{Domestic use (includes municipal and industrial use).} \\ ET_{crop} &= \text{Crop evapotranspiration.} \\ ET_{pht} &= \text{Phreatophyte evapotranspiration.} \\ E &= \text{Open-water evaporation.} \\ S_a &= \text{Change in aquifer storage.} \\ Q_{ds} &= \text{Flow at downstream boundary.} \end{aligned}$$

The equation used to perform the water balance for 1999 is shown below.

$$Q_{res} = Q_{dif} + T_{rm} + T_{rum} - Q_{ex} - S_r - CU_d - ET_{crop} - ET_{pht} - E - S_a$$

Where: $Q_{dif} = Q_{us} - Q_{ds}$

The name of each water-balance table corresponds to the upstream and downstream dam or measurement point which forms the boundaries of the reach being balanced. The water-balance tables created for the 1999 LCRAS demonstration are:

Hoover Dam to Davis Dam,
 Davis Dam to Parker Dam,
 Parker Dam to Imperial Dam, and
 Imperial Dam to Mexico³.

² The residual may be either a positive or negative value.

³ This reach includes all flows to Mexico, including the deliveries at the Northerly International Boundary and the Land Boundary near San Luis, Arizona, and underflow that crosses into Mexico from Arizona.

The sheets described below have the same format in each water-balance table:

Annual Water-Balance Sheet

This sheet, labeled sheet A, consists of up to three pages depending upon the number of diverters within the reach. Page 1 of Sheet A displays calculations of the annual water balance, the residual, the distribution of the residual, the presumed standard error of estimate for each inflow and outflow, the distributed values, the resultant standard errors of estimate for the distributed values, and the resultant values of crop and domestic CU and phreatophyte WU. The annual distributed values for crop ET and domestic use are the crop and domestic CU within the reach. The annual distributed value of phreatophyte ET is the final estimate of phreatophyte WU within the reach.

At the top of page 1 of sheet A, the annual values for the upstream and downstream flows of the reach are shown (Q_{us} and Q_{ds}), along with the calculation of Q_{dif} ($Q_{us}-Q_{ds}$).

Shown next on page 1 of sheet A is the calculation for the standard error of estimate (in acre-feet) and variance (in acre-feet squared) for reservoirs within the reach, or other parts of the water balance where this value cannot be calculated simply as a presumed standard error of estimate, in percent, times the inflow or outflow value in acre-feet.

Shown next, on page 1 of sheet A, is the water balance and the distribution of the residual. The values in the column labeled "Undistributed Annual Values" are annual values of inflow and outflow used in the water balance.

The values in the column labeled "SEE in %" are the presumed standard errors of estimate, in percent, for each inflow and outflow of the water balance. These percentage values are used to calculate the standard error of estimate in acre-feet, or are the resultant standard error of estimate in percentage from calculations on previous lines which yield the standard error of estimate in acre-feet. N/A (not applicable) in this column indicates that the standard error of estimate, in terms of percent, has no meaning.

The values in the column labeled "SEE in Acre-Feet" are the standard error of estimate values in acre-feet, and the values in the column labeled "Variance in Acre-Feet²" are the variance values (SEE squared) of each inflow and outflow of the water balance in acre-feet squared.

The values in the column labeled "Distributed Residual" are the amount of the residual distributed to each inflow and outflow of the water balance in acre-feet, and the values in the column labeled "Distributed Annual Value" are the resultant distributed inflow and outflow values in acre-feet.

The columns labeled “SEE of Distributed Annual Values”, “Percent”, or “Acre-Feet” display the standard error of estimate for each of inflow and outflow of the water balance that results after the residual has been distributed. Comparing the value in the column labeled, “SEE of Distributed Annual Values”, “Acre-Feet” with the value in the column labeled “SEE in Acre-Feet”, or comparing the value in the column labeled, “SEE of Distributed Annual Values”, “Percent” with the value in the column labeled “SEE in %”, quantifies the improvement in the SEE of the water-balance inflow or outflow that results from distributing the residual.

The portion of the residual distributed to each inflow and outflow of the water balance is calculated as shown below.

$$DR = F^2_{\text{inflow/outflow}} \div F^2_{\text{sum of inflows/outflows}} * R$$

Where:

DR = The portion of the residual distributed to each inflow/outflow in acre-feet,

$F^2_{\text{inflow/outflow}}$ = the variance of each inflow or outflow of the water balance in acre-feet squared,

$F^2_{\text{sum of inflows/outflows}}$ = the sum of the variances of all inflows and outflows of the water balance in acre-feet squared and,

R = the value of the residual from the water balance, in acre-feet.

Distributed annual values are calculated by summing the initial estimate (undistributed annual value) and the portion of the residual distributed to each inflow or outflow. As an example, the calculation for crop consumptive use is shown below.

$$\text{Crop CU} = \text{Crop ET} + DR_{\text{crop ET}}$$

Where:

Crop CU = Crop Consumptive Use,

Crop ET = Crop Evapotranspiration and,

$DR_{\text{crop ET}}$ = the portion of the residual from the water balance distributed to Crop ET.

There are two important check sums on sheet A that should be observed.

1. the sum of the values in the column labeled “Apportioned Residual”, should be equal to the residual, displayed at the bottom of the column labeled “Undistributed Annual Value” and,
2. the value at the bottom of the column labeled “Distributed Annual Value” should be zero (or some very small number that results from rounding); this value is the residual of the water balance using the distributed annual values.

Crop and phreatophyte ET, and the initial estimate of domestic use; and crop and domestic CU and the final estimate of phreatophyte WU for each diverter within the reach can be found at the bottom of page 1 of sheet A in the Hoover Dam to Davis Dam water-balance table, page 2 of sheet A in the Davis Dam to Parker Dam and the Parker Dam to Imperial Dam water-balance tables, and pages two and three of sheet A in the Imperial Dam to Mexico water-balance table.

The values in the columns with the following labels:

Crop ET,
Phreatophyte ET and,
Undistributed Domestic Use,

are the crop and phreatophyte ET and initial estimates of domestic use.

The values in the columns with the following labels:

Crop CU,
Phreatophyte WU,
Domestic CU

are the crop and domestic CU and final estimate of phreatophyte WU for each diverter in the reach as identified in the column labeled “Diverter.”

The crop CU for each diverter is calculated as follows:

Crop CU (diverter) = $\frac{\text{Crop ET (diverter)}}{\text{Crop ET (sum of all diverters within the reach)}} \times$
the sum of Crop CU (distributed annual values of crop ET) for all
diverters in the reach.

The domestic CU for each diverter is calculated as follows:

$$\text{Domestic CU (diverter)} = \frac{\text{Initial estimate of domestic use (diverter)}}{\text{Initial estimate of domestic use (sum of all diverters within the reach)}} * \frac{\text{Initial estimate of domestic use (diverter)}}{\text{Sum of domestic CU (distributed annual values of the initial estimate of domestic use) for all diverters in the reach.}}$$

The phreatophyte WU for each diverter is calculated as follows:

$$\text{Phreatophyte WU (diverter)} = \frac{\text{Phreatophyte ET (diverter)}}{\text{Phreatophyte ET (sum of all diverters within the reach)}} * \frac{\text{Phreatophyte ET (diverter)}}{\text{Sum of Phreatophyte WU (distributed annual values of Phreatophyte ET) for all diverters in the reach.}}$$

For example, the Crop CU for a diverter named diverter 1 would be calculated as shown below.

$$\text{Crop CU}_{\text{diverter 1}} = \frac{\text{Crop ET}_{\text{diverter 1}}}{\text{Sum of Crop ET}_{\text{all diverters}}} * \text{Sum of Crop CU}_{\text{all diverters}}$$

Each of the columns on page 2 of sheet A, or pages 2 and 3 of sheet A, described above has a check total.

These check totals should be understood as follows:

The total of the column labeled “Crop ET” should be equal to the Crop Evapotranspiration (ET_{crop}) value in the column labeled “Undistributed Annual Value” in the water balance on page 1 of sheet A.

The total of the column labeled “Crop CU” should be equal to the Crop Evapotranspiration (ET_{crop}) value in the column labeled “Distributed Annual Value” in the water balance on page 1 of sheet A.

The total of the column labeled “Phreatophyte ET” should be equal to the Phreatophyte Evapotranspiration (ET_{phl}) value in the column labeled “Undistributed Annual Value” in the water balance on page 1 of sheet A.

The total of the column labeled “Phreatophyte WU” should be equal to the Phreatophyte Evapotranspiration (ET_{phl}) value in the column labeled “Distributed Annual Value” in the water balance on page 1 of sheet A.

The total of the column labeled “Undistributed Domestic Use” should be equal to the Domestic, Municipal, & Industrial Use (CU_d) value in the column labeled, “Undistributed Annual Value”, in the water balance on page 1 of sheet A.

The total of the column labeled “Domestic CU” should be equal to the Domestic, Municipal, & Industrial Use (CU_d) value in the column labeled “Distributed Annual Value” in the water balance on page 1 of sheet A.

Monthly Water-Balance Sheet

This sheet, labeled sheet B, displays calculations of the water balance on a monthly basis. The values are from the sheets labeled C through H.

Q_{us} and T_{rm} and T_{rum} Inflow Components Sheet

This sheet, labeled sheet C, displays the calculations for Q_{us} , T_{rm} , and T_{rum} . The monthly flows from the stations used to calculate Q_{us} (flow entering the reach at the upstream boundary) are summed to produce the annual Q_{us} . Data are from the Geological Survey Arizona database and acoustic velocity meters (AVM) operated by Reclamation.

T_{rm} (measured tributary inflow) is inflow from the Bill Williams and Gila Rivers. T_{rum} (unmeasured tributary inflow) is unmeasured runoff, unmeasured runoff in tributary streams, and ground-water discharge. The source of data is page 46 of the USGS WSP 2407⁴ or, in the case of inflow from Sacramento Wash, studies done by the Arizona Department of Water Resources.

Q_{ex} , S_r , and S_a Outflow Components Sheet

This sheet, labeled Sheet D, displays calculations of monthly values for Q_{ex} , S_r , and S_a . Monthly values for each Q_{ex} (export) are summed to produce the annual Q_{ex} . Data are from the Arizona USGS database and AVMs operated by Reclamation.

S_r (change in reservoir storage) is calculated by subtracting the Beginning of Month (BOM) contents from the End of Month (EOM) contents of the reservoir. The total S_r is the beginning of year contents less the end of year contents for each reservoir in the reach being balanced. Data are from the Monthly Accumulation Sheets produced by the water operations team at Hoover Dam.

The initial value of S_a (change in aquifer storage) is assumed to be zero.

⁴ The unmeasured ground-water inflow from Sacramento Wash into the lower Colorado River basin is taken from a study performed by the Arizona Department of Water Resources subsequent to the publishing of WSP 2407.

CU_d Outflow Component Sheet

CU_d (domestic use) in this report includes any use of Colorado River water that is not used by vegetation or exported from the system. Domestic use includes municipal use, industrial use, and individual household use⁵.

Domestic uses are initially estimated by

- 1) subtracting a measured return flow from a measured diversion or,
- 2) if a measured return flow is unavailable, by applying a consumptive use factor to a measured diversion (usually 0.6) or,
- 3) if a measured diversion and a measured return flow are unavailable, by applying a per-capita consumptive use factor to a population (usually 0.14 acre-feet per year per capita if turf irrigation is not significant).

In a few cases, domestic uses are initially estimated by a method submitted by a domestic user. The derivation of the consumptive use and per-capita consumptive use factors mentioned above can be found in attachment 3 of Bureau of Reclamation 1998 (the 1996 LCRAS report).

ET_{crop} Outflow Component Sheet

This sheet, labeled sheet F, displays calculations of monthly ET_{crop} (crop evapotranspiration) for each diverter. The values are totals from sheets I through AK.

ET_{ph} Outflow Components Sheet

This sheet, labeled sheet G, displays calculations of monthly ET_{ph} (phreatophyte evapotranspiration) for each diverter. The values are the totals from sheets I through AK.

E and Q_{ds} Outflow Components Sheet

This sheet, labeled sheet H, displays calculations of monthly E (evaporation) and Q_{ds} (downstream outflow of the reach). Q_{ds} is the sum of all values that make up the downstream outflow of a reach. Data are from the Arizona USGS database and AVM's operated by Reclamation.

⁵ While all water use on wildlife refuges is considered a domestic use, crop and phreatophyte water use on wildlife refuges is not included here.

E is the sum of evaporation from each of the lakes and reservoirs, and the open water of the river itself within the reach being balanced. Evaporation is calculated as shown below.

$$E \text{ (acre-feet)} = \text{area of open water (acres)} * [\text{Evaporation rate (inches)} - \text{precipitation (inches)}] \div 12$$

The evaporation rate is calculated as shown below.

$$\text{Evaporation rate (inches)} = \text{reference ET (inches)} * \text{evaporation coefficient (dimensionless)}.$$

Evaporation is calculated on a monthly basis. The evaporation coefficients (Jensen 1996) are specific to each reach of the Lower Colorado River. The reference ET and precipitation values are monthly totals of daily precipitation values from the ET-Rate Tables (see Appendix I, Part 1).

Diverter ET Sheets

These sheets, labeled sheets I-AK, consist of five pages each. Each sheet displays the calculations of monthly ET_{crop} and ET_{pht} (crop and phreatophyte evapotranspiration) values for a single diverter. Therefore, the number of sheets varies with the number of diverters within each reach. The totals for each diverter are used on the ET_{crop} outflow sheet (sheet F) and the ET_{pht} outflow sheet (sheet G).

The first page displays the monthly and annual totals of crop and phreatophyte ET for the diverter (lines labeled “Total Agricultural ET” and “Total Phreatophyte ET” respectively) and the monthly and annual ET for each crop. The second page displays the monthly and annual ET for each phreatophyte group. ET is calculated as:

$$ET_{\text{crop/phreatophyte group}} \text{ (acre-feet)} = ET \text{ rate}_{\text{crop/phreatophyte group}} \text{ (feet)} * \text{acres}_{\text{crop/phreatophyte group}}$$

The third and fourth pages contain the number of acres occupied by each crop and phreatophyte group. These acreages are determined using remote sensing/GIS procedures and onsite inspection performed by Reclamation. The fifth sheet stores the ET rate values from the appropriate ET-Rate Table⁶.

⁶ The ET-Rate tables calculate the evapotranspiration rate (in feet) for each crop and phreatophyte group based upon reference ET calculated from data collected by AZMET and CIMIS stations. For a more complete description, see Part 1 of this appendix.

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Hoover Dam to Davis Dam

Water-Balance Table

(All values in acre-feet except where noted)

| Calculations for Qdf (Qus - Qds) and SEE for Qdf: | SEE in % | SEE in Acre-Feet | Variance in Acre-Feet^2 |
|---|----------|------------------|-------------------------|
| Flow @ Upstream Boundary (Qus) | 1.40% | 154,462 | 23,858,509,444 |
| Flow @ Downstream Boundary (Qds) | 2.20% | 243,547 | 59,315,141,209 |
| Difference (Qdf) | -773.18% | 288,398 | 83,173,650,653 |

| Calculations for Lake Mohave SEE: | Contents | Elevation (ft) | SEE (ft) | Elev. +SEE | Elev.-SEE | Contents at (ELEV.+SEE) | Contents at (Elev.-SEE) | SEE in Acre-Feet | Variance in Acre-Feet^2 |
|-----------------------------------|-----------|----------------|----------|------------|-----------|-------------------------|-------------------------|------------------|-------------------------|
| Beginning of year | 1,534,200 | 636.86 | 0.025 | 636.885 | 636.835 | 1,534,800 | 1,533,500 | 1,300 | 1,690,000 |
| End of year | 1,588,300 | 638.91 | 0.025 | 638.935 | 638.885 | 1,588,950 | 1,587,600 | 1,350 | 1,822,500 |
| Change | 54,100 | 2.05 | | | | | | 1,874 | 3512500 |

| Water Balance: | Undistributed Annual Value | SEE in % | SEE in Acre-Feet | Variance in Acre-Feet^2 | Distributed Residual | Percent of Residual | Distributed Annual Value | SEE of Annual Percent | Distributed Values Acre-Feet |
|--|----------------------------|----------|------------------|-------------------------|----------------------|---------------------|--------------------------|-----------------------|------------------------------|
| <u>Difference (Qdf)</u> | (37,300) | | 288,398 | 83,173,406,404 | (223,766) | 99.90% | 186,466 | 4.78% | 8,914 |
| <u>Inflows:</u> | | | | | | | | | |
| Measured Tributary Inflow (Trm) | 0 | 0.00% | 0 | 0 | 0 | 0.00% | 0 | 0.00% | 0 |
| Unmeasured Tributary Inflow (Trum) | 6,480 | 30.00% | 1,944 | 3,779,136 | (10) | 0.00% | 6,490 | 29.95% | 1,944 |
| <u>Outflows:</u> | | | | | | | | | |
| Export Flow (Qex) | 0 | 0.00% | 0 | 0 | 0 | 0.00% | 0 | 0.00% | 0 |
| Change in Reservoir Storage (Sr) | 54,100 | 3.46% | 1,874 | 3,511,876 | (9) | 0.00% | 54,091 | 3.46% | 1,874 |
| Change in Aquifer Storage (Sa) | 0 | N/A | 5,000 | 25,000,000 | (67) | 0.03% | (67) | 7461.19% | 4,999 |
| Domestic, Municipal & Industrial Use (CUd) | 710 | 2.00% | 14 | 196 | 0 | 0.00% | 710 | 1.97% | 14 |
| Crop Evapotranspiration (ETcrop) | 0 | 0.00% | 0 | 0 | 0 | 0.00% | 0 | 0.00% | 0 |
| Phreatophyte Evapotranspiration (ETpht) | 899 | 5.00% | 45 | 2,025 | 0 | 0.00% | 899 | 5.01% | 45 |
| Open-Water Evaporation (E) | 137,451 | 5.00% | 6,873 | 47,238,129 | (127) | 0.06% | 137,324 | 5.00% | 6,871 |
| Residual: | (223,980) | | 288,536 | | | | (1) | | 12,608 |
| Residual as a Percentage of Qus: | -2.0% | | Total: | 83,252,937,766 | (223,979) | 99.99% | | | |

| Diverter | Crop ET | Crop CU | Phreatophyte ET | Phreatophyte WU | Undistributed Domestic Use | Domestic CU |
|----------------------------------|---------|---------|-----------------|-----------------|----------------------------|-------------|
| Lake Mead NRA, AZ | 0 | 0 | 700 | 700 | 0 | 0 |
| Lake Mead NRA, NV | 0 | 0 | 199 | 199 | 0 | 0 |
| Cottonwood Cove, NV | 0 | 0 | 0 | 0 | 184 | 184 |
| Katherine Lnd/Willow Beach AZ | 0 | 0 | 0 | 0 | 526 | 526 |
| LCRD Prj - Davis Dam AZ (1) | 0 | 0 | 0 | 0 | 1 | 1 |
| McAlister Housing Subdivision AZ | 0 | 0 | 0 | 0 | 0 | 0 |
| Check Totals | 0 | 0 | 899 | 899 | 711 | 711 |

1999 LCRAS Sheet B

Hoover Dam to Davis Dam Water Balance Table

(This sheet calculates the water balance on a monthly basis.)

(This sheet uses monthly values from the other sheets.)

1999 MONTHLY WATER BALANCE

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|----------------|----------------|------------------|------------------|------------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| INFLOW | | | | | | | | | | | | | |
| Qus | 851,100 | 732,500 | 1,011,000 | 1,088,000 | 1,195,000 | 1,055,000 | 958,400 | 901,700 | 711,700 | 856,000 | 926,100 | 746,500 | 11,033,000 |
| Trm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trum | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 6,480 |
| Total | 851,640 | 733,040 | 1,011,540 | 1,088,540 | 1,195,540 | 1,055,540 | 958,940 | 902,240 | 712,240 | 856,540 | 926,640 | 747,040 | 11,039,480 |
| OUTFLOW | | | | | | | | | | | | | |
| Qex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sr | 113,100 | 29,800 | 400 | (7,700) | 37,500 | (14,800) | 4,000 | 14,700 | (196,500) | (127,300) | 78,500 | 122,400 | 54,100 |
| Sa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CUd | 31 | 25 | 49 | 73 | 66 | 65 | 79 | 66 | 69 | 75 | 46 | 65 | 710 |
| ETcrop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ETpht | 49 | 48 | 61 | 64 | 117 | 124 | 105 | 100 | 79 | 62 | 36 | 53 | 899 |
| E | 11,360 | 8,677 | 11,951 | 10,992 | 18,315 | 15,537 | 12,751 | 16,400 | 9,926 | 7,646 | 4,614 | 9,281 | 137,451 |
| Qds | 731,200 | 695,600 | 1,018,000 | 1,104,000 | 1,176,000 | 1,087,000 | 968,100 | 892,000 | 930,700 | 1,004,000 | 854,500 | 609,200 | 11,070,300 |
| Total | 855,741 | 734,150 | 1,030,462 | 1,107,429 | 1,231,998 | 1,087,926 | 985,036 | 923,267 | 744,274 | 884,483 | 937,696 | 740,998 | 11,263,460 |
| (INFLOW -OUTFLOW) | | | | | | | | | | | | | |
| | (4,101) | (1,110) | (18,922) | (18,889) | (36,458) | (32,386) | (26,096) | (21,027) | (32,034) | (27,943) | (11,056) | 6,042 | (223,980) |

| | |
|--------|--------------------------------------|
| | Inflow |
| Qus | Flow @ Upstream Boundary |
| Trm | Measured Tributary Inflow |
| Trum | Unmeasured Tributary Inflow |
| | Outflow |
| Qex | Export Flow |
| Sr | Change in Reservoir Storage |
| Sa | Change in Aquifer Storage |
| CUd | Domestic, Municipal & Industrial Use |
| ETcrop | Crop Evapotranspiration |
| ETpht | Phreatophyte Evapotranspiration |
| E | Open-Water Evaporation |
| Qds | Flow @ Downstream Boundary |

Hoover Dam to Davis Dam Water Balance Table

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| Lake Mead NRA, AZ | | | | | | | | | | | | | |
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 36 | 35 | 41 | 31 | 45 | 42 | 36 | 34 | 28 | 27 | 22 | 39 | 417 |
| Sc-low | 3 | 3 | 5 | 9 | 28 | 35 | 29 | 28 | 22 | 15 | 5 | 4 | 187 |
| Sc-high | 0 | 0 | 1 | 1 | 3 | 3 | 2 | 2 | 1 | 1 | 0 | 0 | 16 |
| Sc/ms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 2 | 2 | 4 | 7 | 13 | 14 | 11 | 11 | 8 | 5 | 2 | 2 | 81 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons- spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons- fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

Hoover Dam to Davis Dam Water Balance Table

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| Lake Mead NRA, NV | | | | | | | | | | | | | |
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 1 | 1 | 3 | 6 | 8 | 8 | 6 | 6 | 5 | 2 | 1 | 1 | 47 |
| Barren | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 3 | 3 | 3 | 5 | 51 |
| Sc-low | 1 | 1 | 2 | 4 | 12 | 15 | 13 | 12 | 10 | 7 | 2 | 2 | 83 |
| Sc-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 0 | 0 | 1 | 1 | 3 | 3 | 3 | 2 | 2 | 1 | 0 | 0 | 18 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons- spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons- fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

Davis Dam to
Parker Dam
Water-Balance
Table

Davis Dam to Parker Dam Water Balance Table

1999 ANNUAL WATER BALANCE

(This sheet calculates the water balance on an annual basis.)

(All values in acre-feet except where noted)

Calculations for Qdf (Qus - Qds) and SEE for Qdf:

| | | SEE in % | SEE in Acre-Feet | Variance in Acre-Feet ² |
|----------------------------------|------------|----------|---------------------|---------------------------------------|
| Flow @ Upstream Boundary (Qus) | 11,070,300 | 2.20% | 243,547 | 59,315,141,209 |
| Flow @ Downstream Boundary (Qds) | 8,353,300 | 2.20% | 183,773 | 33,772,515,529 |
| Difference (Qdf) | 2,717,000 | 11.23% | 305,103 | |

Calculations for Lake Havasu SEE:

| | Contents | Elevation (ft) | SEE (ft) | Elev.+SEE | Elev.-SEE | Contents at Elev.+SEE | Contents at Elev.-SEE | SEE in Acre-Feet | Variance in Acre-Feet ² |
|-------------------|----------|----------------|----------|-----------|-----------|--------------------------|--------------------------|---------------------|---------------------------------------|
| Beginning of year | 607,300 | 449.40 | 0.025 | 449.425 | 449.375 | 607,800 | 606,800 | 1,000 | 1,000,000 |
| End of year | 546,400 | 446.20 | 0.025 | 446.225 | 446.175 | 546,650 | 545,750 | 900 | 810,000 |
| Change | (60,900) | -3.20 | | | | | | 1,345 | |

Calculation of SEE for Bill Williams River inflow:

| | Value (AF) | SEE in % | SEE in Acre-Feet | Variance in Acre-Feet ² |
|---|------------|----------|------------------|---------------------------------------|
| Flow blw Alamo Dam | 24,240 | 3.00% | 727 | 528,529 |
| Unmeasured runoff | 4,000 | 30.00% | 1,200 | 1,440,000 |
| Ground-water discharge | 4,000 | 30.00% | 1,200 | 1,440,000 |
| ET - phreatophytes | 26,378 | 5.00% | 1,319 | 1,739,761 |
| Evaporation | 159 | 5.00% | 8 | 64 |
| For total annual inflow from the Bill Williams River see sheet C. | | | 2,269 | |

Water Balance:

| | Undistributed Annual Value | SEE in % | SEE in Acre-Feet | Variance in Acre-Feet ² | Distributed Residual | Percent of Residual | Distributed Annual Value | SEE of Annual Percent | Distributed Values Acre-Feet |
|---|----------------------------------|----------|---------------------|---------------------------------------|-------------------------|------------------------|--------------------------------|-----------------------------|------------------------------------|
| Difference (Qdf) | 2,717,000 | 11.23% | 305,103 | 93,087,840,609 | (164,450) | 96.83% | 2,881,450 | 1.89% | 54,336 |
| Inflows: | | | | | | | | | |
| Measured Tributary Inflow (Trm) | 8,357 | 27.15% | 2,269 | 5,148,361 | (9) | 0.01% | 8,366 | 27.12% | 2,269 |
| Unmeasured Tributary Inflow (Trum) | 36,290 | 30.00% | 10,887 | 118,526,769 | (209) | 0.12% | 36,499 | 29.81% | 10,880 |
| Outflow | | | | | | | | | |
| Export Flow (Qex) | 2,600,232 | 2.00% | 52,005 | 2,704,520,025 | (4,778) | 2.81% | 2,595,454 | 1.98% | 51,268 |
| Change in Reservoir Storage (Sr) | (60,900) | -2.21% | 1,345 | 1,809,025 | (3) | 0.00% | (60,903) | 2.21% | 1,345 |
| Change in Aquifer Storage (Sa) | 0 | N/A | 10,000 | 100,000,000 | (177) | 0.10% | (177) | 5646.89% | 9,995 |
| Domestic, Municipal, & Industrial Use (CUd) | 33,318 | 2.00% | 666 | 443,556 | (1) | 0.00% | 33,317 | 2.00% | 666 |
| Crop Evapotranspiration (ETcrop) | 75,412 | 5.00% | 3,771 | 14,220,441 | (25) | 0.01% | 75,387 | 5.00% | 3,771 |
| Phreatophyte Evapotranspiration (ETpht) | 170,199 | 5.00% | 8,510 | 72,420,100 | (128) | 0.08% | 170,071 | 5.00% | 8,507 |
| Open-Water Evaporation (E) | 113,223 | 5.00% | 5,661 | 32,046,921 | (57) | 0.03% | 113,166 | 5.00% | 5,660 |
| Residual | (169,837) | | 310,060 | | (169,837) | | 0 | | 76,975 |
| Residual as a percentage of Qus: | -1.53% | | Total: | 96,136,975,807 | | 99.99% | | | |

**Davis Dam to Parker Dam Water Balance Table
Final Results by Diverter**

| Diverter | Crop ET | Crop CU | Phreatophyte ET | Phreatophyte WU | Undistributed Domestic Use | Domestic CU | Undistributed Export | Distributed Export |
|--|---------|---------|-----------------|-----------------|----------------------------|-------------|----------------------|--------------------|
| Bill Williams NWR, AZ | 0 | 0 | 995 | 994 | | | | |
| Chemehuevi IR, CA | 128 | 128 | 49 | 49 | | | | |
| Fort Mojave IR, AZ | 36,589 | 36,577 | 32,302 | 32,278 | | | | |
| Fort Mojave IR, CA | 14,786 | 14,781 | 4,528 | 4,525 | | | | |
| Fort Mojave IR, NV | 1,767 | 1,766 | 8,122 | 8,116 | | | | |
| Havasu NWR, AZ | 0 | 0 | 47,670 | 47,634 | | | | |
| Havasu NWR, CA | 0 | 0 | 5,777 | 5,773 | | | | |
| Havasu State Park, AZ | 0 | 0 | 3,546 | 3,543 | | | | |
| Lake Mead NRA, AZ | 0 | 0 | 372 | 372 | | | | |
| Lake Mead NRA, NV | 0 | 0 | 103 | 103 | | | | |
| Moabi Park, CA | 0 | 0 | 262 | 262 | | | | |
| Mojave Valley IDD, AZ | 21,066 | 21,059 | 32,637 | 32,612 | | | | |
| State of AZ | 0 | 0 | 3,988 | 3,985 | | | | |
| State of CA | 1,076 | 1,076 | 18,438 | 18,424 | | | | |
| State of NV | 0 | 0 | 11,410 | 11,401 | | | | |
| 0 | 0 | 0 | 0 | 0 | | | | |
| Bullhead City, AZ | | | | | 4,690 | 4,690 | | |
| MVIDD Domestic | | | | | 2,687 | 2,687 | | |
| Big Bend Water Dist NV (1) | | | | | 2,161 | 2,161 | | |
| Southern CA Ed., NV (2) | | | | | 12,084 | 12,084 | | |
| Golden Shores Wtr Cons Dist, AZ (3) | | | | | 302 | 302 | | |
| Havasu Water Co., AZ | | | | | 284 | 284 | | |
| Needles, CA (4) | | | | | 1,209 | 1,209 | | |
| Havasu Water Co., CA | | | | | 40 | 40 | | |
| Mohave Wtr Cons Dist AZ | | | | | 376 | 376 | | |
| Lake Havasu City & MCWA, AZ (5) | | | | | 8,017 | 8,017 | | |
| Sportsman's Park, NV (6) | | | | | 1 | 1 | | |
| Boy Scouts, NV | | | | | 4 | 4 | | |
| Southern CA Gas, CA | | | | | 51 | 51 | | |
| BLM-Black Meadow CA | | | | | 106 | 106 | | |
| BLM Permitees, AZ (7) | | | | | 73 | 73 | | |
| Mohave Co Parks (Davis Dam Camp), AZ | | | | | 77 | 77 | | |
| Ft Mojave Indian Reservation, NV (Avi) (8) | | | | | 870 | 870 | | |
| Chemehuevi, IR, CA | | | | | 0 | 0 | | |
| Crystal Beach Wtr Cons Dist, AZ | | | | | 54 | 54 | | |
| Ft Mojave Indian Reservation, CA (9) | | | | | 90 | 90 | | |
| AZ State Parks-Windsor Beach, AZ (10) | | | | | 10 | 10 | | |
| Pacific Gas & Electric, CA | | | | | 6 | 6 | | |
| ----- | | | | | 0 | 0 | | |
| Topock, AZ | | | | | 126 | 126 | | |
| MWD(1) | | | | | | | 1,212,067 | 1,209,840 |
| CAP(2) | | | | | | | 1,388,165 | 1,385,614 |
| ----- | | | | | | | 0 | 0 |
| Check Totals | 75,412 | 75,387 | 170,199 | 170,071 | 33,318 | 33,318 | 2,600,232 | 2,595,454 |

1999 MONTHLY WATER BALANCE

(This sheet calculates the water balance on a monthly basis.)
 (This sheet uses monthly values from the other sheets.)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|----------------|----------------|------------------|------------------|------------------|------------------|----------------|----------------|----------------|------------------|----------------|----------------|-------------------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| INFLOW | | | | | | | | | | | | | |
| Qus | 731,200 | 695,600 | 1,018,000 | 1,104,000 | 1,176,000 | 1,087,000 | 968,100 | 892,000 | 930,700 | 1,004,000 | 854,500 | 609,200 | 11,070,300 |
| Trm | 1,293 | 1,316 | 950 | 217 | 0 | 0 | 0 | 41 | 919 | 993 | 1,362 | 1,265 | 8,357 |
| Trum | 3,024 | 3,024 | 3,024 | 3,024 | 3,024 | 3,024 | 3,024 | 3,024 | 3,024 | 3,024 | 3,024 | 3,024 | 36,290 |
| Total | 735,517 | 699,940 | 1,021,974 | 1,107,241 | 1,179,024 | 1,090,024 | 971,124 | 895,066 | 934,643 | 1,008,017 | 858,886 | 613,489 | 11,114,947 |

| | | | | | | | | | | | | | |
|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|----------------|----------------|------------------|----------------|----------------|-------------------|
| OUTFLOW | | | | | | | | | | | | | |
| Qex | 223,076 | 210,969 | 261,693 | 278,329 | 292,018 | 221,875 | 178,863 | 157,263 | 126,917 | 173,797 | 250,816 | 224,616 | 2,600,232 |
| Sr | (73,600) | (12,400) | 19,700 | 42,100 | 17,400 | 3,200 | (16,600) | 17,600 | (20,300) | (28,000) | (3,700) | (6,300) | (60,900) |
| Sa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CUd | 2,028 | 2,011 | 2,351 | 2,296 | 2,796 | 3,367 | 3,513 | 3,603 | 3,264 | 3,093 | 2,588 | 2,406 | 33,318 |
| ETcrop | 2,364 | 3,375 | 4,106 | 6,084 | 9,087 | 10,894 | 9,329 | 10,038 | 8,217 | 5,978 | 3,020 | 2,920 | 75,412 |
| ETpht | 4,914 | 4,839 | 8,279 | 13,201 | 26,406 | 28,186 | 23,865 | 22,621 | 16,805 | 11,187 | 4,656 | 5,239 | 170,199 |
| E | 5,899 | 5,366 | 10,315 | 10,914 | 17,897 | 16,170 | 13,173 | 11,928 | 7,275 | 5,917 | 3,651 | 4,717 | 113,223 |
| Qds | 595,500 | 477,000 | 693,000 | 734,100 | 825,900 | 836,700 | 820,000 | 697,100 | 796,100 | 858,100 | 616,800 | 403,000 | 8,353,300 |
| Total | 760,181 | 691,160 | 999,444 | 1,087,025 | 1,191,504 | 1,120,392 | 1,032,143 | 920,153 | 938,279 | 1,030,073 | 877,830 | 636,599 | 11,284,784 |

| | | | | | | | | | | | | | |
|--------------------------|----------|-------|--------|--------|----------|----------|----------|----------|---------|----------|----------|----------|-----------|
| (INFLOW -OUTFLOW) | | | | | | | | | | | | | |
| | (24,664) | 8,780 | 22,530 | 20,216 | (12,480) | (30,368) | (61,019) | (25,088) | (3,636) | (22,056) | (18,943) | (23,109) | (169,837) |

| | |
|----------------|-----------------------------------|
| Inflow | |
| Qus | Flow @ Upstream Boundary |
| Trm | Measured Tributary Inflow |
| Trum | Unmeasured Tributary Inflow |
| Outflow | |
| Qex | Export Flow |
| Sr | Change in Reservoir Storage |
| Sa | Change in Aquifer Storage |
| CUd | Domestic,Municipal&Industrial Use |
| ETcrop | Crop Evapotranspiration |
| ETpht | Phreatophyte Evapotranspiration |
| E | Open-Water Evaporation |
| Qds | Flow @ Downstream Boundary |

Davis Dam to Parker Dam Water Balance Table

(A mini water-balance is created for the Bill Williams River to calculate the flow arriving at Lake Havasu)

(*Data based on Table 10, pg. 45, USGS Water Supply Paper 2407)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|--------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| Inflow: | from USGS Arizona District database (see data file dav2park.wk4) | | | | | | | | | | | | |
| Flow below Alamo Dam | 1380 | 1390 | 1490 | 1470 | 2090 | 2480 | 3030 | 2950 | 2950 | 2160 | 1450 | 1400 | 24,240 |
| *Unmeasured avrg annual runoff | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 4,000 |
| *Ground-water discharge | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 4,000 |
| Total | 2047 | 2057 | 2157 | 2137 | 2757 | 3147 | 3697 | 3617 | 3617 | 2827 | 2117 | 2067 | 32,240 |
| Outflow: | | | | | | | | | | | | | |
| ET - phreatophytes** | 745 | 733 | 1192 | 1905 | 4016 | 4423 | 3748 | 3558 | 2687 | 1825 | 749 | 795 | 26,378 |
| Evaporation *** | 8 | 8 | 14 | 15 | 25 | 23 | 18 | 17 | 10 | 8 | 5 | 7 | 159 |
| Total | 753 | 741 | 1207 | 1920 | 4041 | 4446 | 3766 | 3575 | 2697 | 1834 | 755 | 802 | 26,536 |
| Bill Williams River (zero if negative) | 1293 | 1316 | 950 | 217 | 0 | 0 | 0 | 41 | 919 | 993 | 1362 | 1265 | 8,357 |

** Based on values calculated in Sheet I

*** Based on values calculated in Sheet H, includes factor for effective precipitation

1999 LCRAS Sheet E
 Davis Dam to Parker Dam Water Balance Table
 (Sheet to calculate the outflow component CUd)

1999 CUd Outflow Component

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|--------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| CUd, Domestic, Municipal and Industrial Use | | | | | | | | | | | | | |
| Total | 2028 | 2011 | 2351 | 2296 | 2796 | 3367 | 3513 | 3603 | 3264 | 3093 | 2588 | 2406 | 33,318 |

| Consumptive Use (estimated as 60% of diversion per Domestic Water Use Study of Boulder City NV 1988-1992, see file bcwater.wk1) | | | | | | | | | | | | | |
|---|-----------------------------------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|--------|--------|
| Bullhead City, AZ | 261.48 | 286.20 | 348.72 | 364.08 | 390.00 | 485.94 | 504.66 | 502.50 | 451.86 | 418.92 | 357.54 | 318.54 | 4,690 |
| MVIDD Domestic | 161.40 | 147.00 | 180.60 | 202.20 | 257.40 | 289.80 | 295.20 | 287.40 | 262.80 | 229.20 | 192.60 | 181.80 | 2,687 |
| Big Bend Water Dist NV (1) | 119.17 | 119.33 | 174.41 | 154.11 | 197.49 | 220.55 | 218.09 | 226.31 | 193.62 | 208.48 | 159.33 | 170.14 | 2,161 |
| Southern CA Ed., NV (2) | 729.55 | 727.10 | 765.60 | 662.98 | 877.24 | 1170.27 | 1333.75 | 1474.80 | 1262.98 | 1128.83 | 1023.55 | 927.76 | 12,084 |
| Golden Shores Wtr Cons Dist, AZ (3) | 25.13 | 25.13 | 25.13 | 25.13 | 25.13 | 25.13 | 25.13 | 25.13 | 25.13 | 25.13 | 25.13 | 25.13 | 302 |
| Havasu Water Co., AZ | 24.15 | 27.61 | 21.17 | 18.74 | 19.98 | 30.99 | 25.98 | 28.97 | 25.86 | 22.69 | 19.47 | 18.22 | 284 |
| Needles, CA (4) | 100.72 | 100.72 | 100.72 | 100.72 | 100.72 | 100.72 | 100.72 | 100.72 | 100.72 | 100.72 | 100.72 | 100.72 | 1,209 |
| Havasu Water Co., CA | 2.56 | 2.40 | 2.86 | 2.76 | 3.62 | 4.30 | 4.61 | 4.56 | 4.22 | 3.02 | 2.82 | 2.73 | 40 |
| Mohave Wtr Cons Dist AZ | 25.39 | 26.23 | 26.99 | 33.54 | 28.16 | 32.42 | 36.89 | 37.25 | 38.66 | 30.04 | 30.11 | 30.14 | 376 |
| Lake Havasu City & MCWA, AZ (5) | 471.60 | 440.40 | 590.40 | 617.40 | 771.60 | 865.20 | 828.00 | 779.40 | 768.00 | 801.00 | 561.60 | 522.60 | 8,017 |
| Sportsman's Park, NV (6) | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 1 |
| Boy Scouts, NV | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 4 |
| Southern CA Gas, CA | 1.02 | 0.67 | 0.84 | 0.93 | 5.29 | 8.10 | 10.42 | 10.14 | 5.68 | 5.78 | 1.84 | 0.70 | 51 |
| BLM-Black Meadow CA | 4.21 | 4.49 | 7.39 | 7.92 | 10.39 | 16.91 | 13.08 | 12.38 | 13.43 | 6.04 | 5.61 | 3.86 | 106 |
| BLM Permitees, AZ (7) | 3.22 | 2.47 | 3.66 | 3.71 | 5.71 | 9.89 | 9.62 | 5.94 | 6.52 | 10.44 | 6.58 | 4.84 | 73 |
| Mohave Co Parks (Davis Dam Camp), AZ | 2.92 | 3.35 | 6.48 | 5.62 | 6.89 | 8.45 | 9.28 | 11.41 | 8.82 | 6.87 | 4.45 | 2.52 | 77 |
| Ft Mojave Indian Reservation, NV (Avi) (8) | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 870 |
| Chemehuevi, IR, CA | ***** (Unreported for 1999) ***** | | | | | | | | | | | | 0 |
| Crystal Beach Wtr Cons Dist, AZ | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 54 |
| Ft Mojave Indian Reservation, CA (9) | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 90 |
| AZ State Parks-Windsor Beach, AZ (10) | 0.39 | 1.08 | 0.44 | 0.93 | 0.96 | 0.57 | 1.07 | 0.77 | 0.80 | 0.87 | 0.92 | 1.07 | 10 |
| Pacific Gas & Electric, CA | 0.00 | 1.38 | 0.00 | 0.00 | 0.00 | 2.76 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6 |
| ----- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |

- (1) - Consumptive use based upon measured diversion minus measured return
- (2) - Consumptive use is measured diversion with no return flows to the river
- (3) - Includes reported annual water deliveries made to 5-Mile Landing, Topock Elementary School, and Golden Shores Civic Association
- (4) - Needles CA consumptive use estimated as (60% of [Pumped from Wells - Delivery to Ft. Mohave Tribe]) - Wastewater Plant Discharge.
- (5) - Includes diversions for the City of Lake Havasu City and the Mohave County Water Authority (MCWA), but excludes monthly potable water deliveries to Winsor Beach State Park.
- (6) - Monthly consumptive use calculated as 60% of reported total annual diversion of 556,130 gallons.
- (7) - Includes Sandpoint /Cattail Cove State Park, Havasu Springs Resort, and Section 10 Pond (in Bullhead City)
- (8) - Estimate. Based upon reported calendar year 1998 diversions of 1,300 acre feet for Golf Course irrigation and 150 acre feet for Avi Hotel/Casino
- (9) - Total annual diversion reported by the City of Needles CA as delivered to the Tribe through the Needles municipal water system.
- (10) -CU calculated as 60% of total annual pumpage from on-site well for irrigation, and monthly potable water deliveries made by and reported by the City of Lake Havasu City

| Use estimated | | | | | | | | | | | | | |
|---------------------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| Use estimated by Per-capita use rates | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.14 |
| 0.14 ac-ft per year* | | | | | | | | | | | | | |
| Town Name | | | | | | | | | | | | | |
| Topock, AZ | population | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | |
| | CU | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 126 |
| ----- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| ----- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |

* - See text of the 1997 LCRAS Report, "Domestic Use" section

1999 LCRAS Sheet F
 Davis Dam to Parker Dam Water Balance Table

1999 ETcrop Outflow Component

(Sheet to calculate outflow component ETcrop)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------------|---------|----------|-------|-------|------|-------|------|--------|-----------|---------|----------|----------|--------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| ETcrop, Crop Evapotranspiration | | | | | | | | | | | | | |
| Total | 2364 | 3375 | 4106 | 6084 | 9087 | 10894 | 9329 | 10038 | 8217 | 5978 | 3020 | 2920 | 75,412 |
| <u>Diverter *</u> | | | | | | | | | | | | | |
| Bill Williams NWR, AZ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chemehuevi IR, CA | 5 | 7 | 9 | 12 | 17 | 18 | 14 | 13 | 11 | 9 | 6 | 7 | 128 |
| Fort Mojave IR, AZ | 1095 | 1564 | 1905 | 2859 | 4299 | 5254 | 4636 | 5081 | 4143 | 3011 | 1400 | 1342 | 36,589 |
| Fort Mojave IR, CA | 500 | 713 | 861 | 1268 | 1885 | 2157 | 1742 | 1802 | 1507 | 1084 | 639 | 628 | 14,786 |
| Fort Mojave IR, NV | 83 | 122 | 158 | 197 | 235 | 230 | 166 | 160 | 131 | 109 | 84 | 92 | 1,767 |
| Havasu NWR, AZ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Havasu NWR, CA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Havasu State Park, AZ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lake Mead NRA, AZ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lake Mead NRA, NV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Moabi Park, CA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mojave Valley IDD, AZ | 634 | 904 | 1095 | 1647 | 2515 | 3078 | 2660 | 2874 | 2337 | 1694 | 834 | 794 | 21,066 |
| State of AZ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| State of CA | 46 | 65 | 79 | 100 | 137 | 155 | 112 | 108 | 88 | 73 | 56 | 57 | 1,076 |
| State of NV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

* Sheet I, Bill Williams River, AZ is not included here, it is used in Sheet C

1999 LCRAS Sheet G
 Davis Dam to Parker Dam Water Balance Table

1999 ETpht Outflow Component

(Sheet to calculate outflow component ETpht)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|---------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| ETpht, Phreatophyte Evapotranspiration | 4914 | 4839 | 8279 | 13201 | 26406 | 28186 | 23865 | 22621 | 16805 | 11187 | 4656 | 5239 | 170,199 |
| <u>Diverter *</u> | | | | | | | | | | | | | |
| Bill Williams NWR, AZ | 23 | 23 | 63 | 104 | 162 | 158 | 134 | 128 | 103 | 53 | 19 | 25 | 995 |
| Chemehuevi IR, CA | 3 | 3 | 3 | 3 | 6 | 7 | 6 | 5 | 4 | 3 | 2 | 3 | 49 |
| Fort Mojave IR, AZ | 870 | 857 | 1414 | 2364 | 5063 | 5492 | 4650 | 4400 | 3206 | 2180 | 884 | 924 | 32,302 |
| Fort Mojave IR, CA | 94 | 93 | 182 | 346 | 740 | 796 | 674 | 637 | 459 | 300 | 109 | 99 | 4,528 |
| Fort Mojave IR, NV | 374 | 368 | 481 | 562 | 1118 | 1210 | 1025 | 974 | 747 | 563 | 298 | 402 | 8,122 |
| Havasu NWR, AZ | 1060 | 1044 | 2355 | 4224 | 7806 | 8056 | 6821 | 6462 | 4782 | 2890 | 1048 | 1122 | 47,670 |
| Havasu NWR, CA | 154 | 152 | 337 | 544 | 919 | 927 | 785 | 747 | 580 | 337 | 132 | 165 | 5,777 |
| Havasu State Park, AZ | 147 | 144 | 202 | 253 | 499 | 541 | 458 | 437 | 340 | 245 | 122 | 158 | 3,546 |
| Lake Mead NRA, AZ | 16 | 16 | 21 | 26 | 51 | 56 | 47 | 45 | 36 | 27 | 14 | 17 | 372 |
| Lake Mead NRA, NV | 4 | 4 | 5 | 7 | 15 | 17 | 14 | 13 | 10 | 7 | 3 | 4 | 103 |
| Moabi Park, CA | 16 | 15 | 19 | 19 | 33 | 35 | 29 | 28 | 22 | 18 | 11 | 17 | 262 |
| Mojave Valley IDD, AZ | 935 | 921 | 1463 | 2354 | 5032 | 5489 | 4648 | 4403 | 3241 | 2228 | 928 | 995 | 32,637 |
| State of AZ | 192 | 189 | 241 | 268 | 535 | 585 | 495 | 472 | 370 | 282 | 153 | 207 | 3,988 |
| State of CA | 556 | 547 | 861 | 1334 | 2810 | 3058 | 2590 | 2456 | 1830 | 1263 | 539 | 594 | 18,438 |
| State of NV | 472 | 464 | 632 | 794 | 1619 | 1759 | 1489 | 1415 | 1076 | 790 | 394 | 507 | 11,410 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

* Sheet I, Bill Williams River, AZ is not included here; it is used in Sheet C

1999 LCRAS Sheet H
 Davis Dam to Parker Dam Water Balance Table
 (Sheet to calculate outflow components E and Qds)

1999 E and Qds Outflow Component

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--------------------------------------|--|----------|--------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|-----------|
| Qds, Flow at the Downstream Boundary | | | | | | | | | | | | | |
| Total | 595500 | 477000 | 693000 | 734100 | 825900 | 836700 | 820000 | 697100 | 796100 | 858100 | 616800 | 403000 | 8,353,300 |
| Station | from USGS Arizona District database (see data file dav2park.wk4) | | | | | | | | | | | | |
| Parker Dam | 595500 | 477000 | 693000 | 734100 | 825900 | 836700 | 820000 | 697100 | 796100 | 858100 | 616800 | 403000 | 8,353,300 |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| E, Open-Water Evaporation (Surface Evaporation= acres * ((evaporation - precipitation)/12)) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|---------|
| Total | 5899 | 5366 | 10315 | 10914 | 17897 | 16170 | 13173 | 11928 | 7275 | 5917 | 3651 | 4717 | 113,223 |

(need to set each 'lake' for the proper weather station for precipitation)

| Lake | acres | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------|-------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Colorado River | 20764 | 20764 | 20764 | 20764 | 20764 | 20764 | 20764 | 20764 | 20764 | 20764 | 20764 | 20764 | 20764 | |
| Ac-ft | 5044 | 4588 | 8819 | 9331 | 15301 | 13824 | 11262 | 10198 | 6220 | 5059 | 3121 | 4033 | 96,799 | |
| Topock Marsh | 3523 | 3523 | 3523 | 3523 | 3523 | 3523 | 3523 | 3523 | 3523 | 3523 | 3523 | 3523 | 3523 | |
| Ac-ft | 856 | 778 | 1496 | 1583 | 2596 | 2346 | 1911 | 1730 | 1055 | 858 | 530 | 684 | 16,424 | |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Ac-ft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

| | | | | | | | | | | | | | | |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|-----|--|
| Bill Williams | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | |
| Ac-ft | 8 | 8 | 14 | 15 | 25 | 23 | 18 | 17 | 10 | 8 | 5 | 7 | 159 | |

(This value used in Sheet C)

| | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Evaporation coefficient, monthly (Jensen, 1999) | 0.75 | 0.74 | 0.87 | 0.83 | 0.86 | 0.83 | 0.84 | 0.75 | 0.64 | 0.52 | 0.55 | 0.53 | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|--|

| Reference ET, inches | (THESE VALUES FROM ANOTHER WORKSHEET) | | | | | | | | | | | | |
|----------------------|---------------------------------------|------|------|------|-------|------|------|------|------|------|------|------|-------|
| Mohave AZMET | 4.11 | 4.04 | 5.86 | 7.05 | 10.32 | 9.74 | 8.24 | 7.86 | 6.38 | 5.62 | 3.28 | 4.40 | 76.89 |

| | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Evaporation, inches (Evaporation = Reference ET * Evaporation coefficient) | | | | | | | | | | | | | |
| Mohave Area | 3.08 | 2.99 | 5.10 | 5.85 | 8.88 | 8.08 | 6.92 | 5.89 | 4.08 | 2.92 | 1.80 | 2.33 | 57.93 |

| Precipitation, inches | (THESE VALUES FROM ANOTHER WORKSHEET) | | | | | | | | | | | | |
|-----------------------|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Area (averaged) | 0.16 | 0.33 | 0.00 | 0.46 | 0.04 | 0.09 | 0.41 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 1.99 |

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Bill Williams River, AZ [Alamo Dam Gage to Lake Havasu])

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 31 | 31 | 136 | 251 | 368 | 347 | 293 | 280 | 225 | 99 | 25 | 34 | 2120 |
| Barren | 300 | 295 | 342 | 262 | 372 | 351 | 297 | 283 | 230 | 222 | 183 | 324 | 3461 |
| Sc-low | 173 | 170 | 247 | 487 | 1446 | 1794 | 1521 | 1451 | 1162 | 795 | 281 | 190 | 9717 |
| Sc-high | 44 | 44 | 126 | 263 | 534 | 535 | 452 | 421 | 268 | 160 | 48 | 45 | 2938 |
| Sc/ms | 46 | 45 | 81 | 169 | 357 | 385 | 325 | 310 | 217 | 142 | 53 | 47 | 2177 |
| Sc/aw | 1 | 1 | 2 | 5 | 10 | 11 | 9 | 9 | 6 | 4 | 2 | 1 | 62 |
| Sc/ms/aw | 1 | 1 | 2 | 4 | 9 | 10 | 8 | 8 | 6 | 4 | 2 | 1 | 58 |
| Ms-low | 33 | 33 | 49 | 82 | 163 | 188 | 162 | 155 | 126 | 100 | 38 | 34 | 1163 |
| Ms-high | 7 | 6 | 11 | 21 | 43 | 48 | 41 | 39 | 31 | 23 | 9 | 7 | 288 |
| Ms/aw | 3 | 3 | 5 | 9 | 18 | 21 | 18 | 17 | 13 | 9 | 3 | 3 | 122 |
| Aw | 2 | 2 | 3 | 6 | 12 | 13 | 11 | 10 | 7 | 4 | 2 | 2 | 73 |
| Cw | 48 | 47 | 89 | 172 | 347 | 369 | 312 | 291 | 192 | 123 | 45 | 49 | 2085 |
| Low Veg | 56 | 55 | 98 | 174 | 337 | 353 | 299 | 285 | 203 | 139 | 57 | 57 | 2113 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for Bill Williams River National Wildlife Refuge [NWR], AZ)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 11 | 11 | 48 | 89 | 130 | 123 | 104 | 99 | 79 | 35 | 9 | 12 | 750 |
| Barren | 10 | 9 | 11 | 8 | 12 | 11 | 10 | 9 | 7 | 7 | 6 | 10 | 111 |
| Sc-low | 2 | 2 | 3 | 6 | 18 | 22 | 19 | 18 | 15 | 10 | 4 | 2 | 122 |
| Sc-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 11 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 1 | 1 | 3 | 6 | 9 | 9 | 7 | 7 | 6 | 2 | 1 | 1 | 53 |
| Barren | 341 | 335 | 389 | 297 | 423 | 399 | 337 | 322 | 261 | 252 | 208 | 368 | 3932 |
| Sc-low | 159 | 156 | 226 | 446 | 1324 | 1643 | 1393 | 1329 | 1064 | 728 | 257 | 174 | 8901 |
| Sc-high | 132 | 132 | 381 | 796 | 1619 | 1620 | 1370 | 1276 | 812 | 484 | 146 | 137 | 8906 |
| Sc/ms | 102 | 100 | 180 | 376 | 795 | 857 | 724 | 690 | 484 | 316 | 119 | 104 | 4847 |
| Sc/aw | 13 | 12 | 22 | 45 | 94 | 100 | 85 | 81 | 61 | 40 | 15 | 13 | 580 |
| Sc/ms/aw | 20 | 20 | 35 | 71 | 149 | 160 | 135 | 129 | 101 | 68 | 25 | 20 | 932 |
| Ms-low | 10 | 9 | 14 | 24 | 47 | 54 | 46 | 44 | 36 | 29 | 11 | 10 | 333 |
| Ms-high | 21 | 21 | 36 | 69 | 140 | 155 | 132 | 126 | 102 | 75 | 30 | 24 | 930 |
| Ms/aw | 13 | 13 | 22 | 41 | 83 | 94 | 80 | 77 | 61 | 41 | 16 | 14 | 556 |
| Aw | 34 | 34 | 62 | 117 | 233 | 247 | 209 | 195 | 129 | 84 | 32 | 35 | 1411 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 24 | 24 | 43 | 76 | 147 | 154 | 130 | 124 | 89 | 61 | 25 | 25 | 921 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 2 | 2 | 8 | 14 | 21 | 20 | 16 | 16 | 13 | 6 | 1 | 2 | 119 |
| Barren | 15 | 15 | 17 | 13 | 19 | 17 | 15 | 14 | 11 | 11 | 9 | 16 | 172 |
| Sc-low | 18 | 18 | 26 | 51 | 151 | 187 | 159 | 151 | 121 | 83 | 29 | 20 | 1014 |
| Sc-high | 25 | 25 | 73 | 152 | 308 | 309 | 261 | 243 | 155 | 92 | 28 | 26 | 1696 |
| Sc/ms | 15 | 15 | 27 | 56 | 119 | 128 | 108 | 103 | 72 | 47 | 18 | 16 | 725 |
| Sc/aw | 1 | 1 | 2 | 4 | 8 | 9 | 7 | 7 | 5 | 3 | 1 | 1 | 49 |
| Sc/ms/aw | 4 | 4 | 7 | 13 | 28 | 30 | 26 | 24 | 19 | 13 | 5 | 4 | 176 |
| Ms-low | 2 | 2 | 3 | 5 | 9 | 10 | 9 | 9 | 7 | 6 | 2 | 2 | 64 |
| Ms-high | 6 | 6 | 10 | 20 | 41 | 45 | 38 | 36 | 29 | 22 | 9 | 7 | 269 |
| Ms/aw | 4 | 4 | 7 | 14 | 27 | 31 | 26 | 25 | 20 | 13 | 5 | 4 | 182 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 2 | 2 | 3 | 5 | 10 | 10 | 9 | 8 | 6 | 4 | 2 | 2 | 62 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], NV)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 282 | 277 | 321 | 246 | 350 | 330 | 279 | 266 | 216 | 208 | 172 | 304 | 3251 |
| Sc-low | 48 | 47 | 69 | 135 | 401 | 498 | 422 | 403 | 323 | 221 | 78 | 53 | 2698 |
| Sc-high | 12 | 12 | 36 | 75 | 152 | 152 | 128 | 120 | 76 | 45 | 14 | 13 | 835 |
| Sc/ms | 14 | 13 | 24 | 50 | 107 | 115 | 97 | 92 | 65 | 42 | 16 | 14 | 649 |
| Sc/aw | 1 | 1 | 2 | 3 | 7 | 8 | 6 | 6 | 5 | 3 | 1 | 1 | 44 |
| Sc/ms/aw | 1 | 1 | 1 | 2 | 4 | 5 | 4 | 4 | 3 | 2 | 1 | 1 | 27 |
| Ms-low | 2 | 2 | 2 | 4 | 8 | 9 | 8 | 7 | 6 | 5 | 2 | 2 | 56 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 2 | 2 | 3 | 5 | 11 | 11 | 9 | 9 | 6 | 4 | 1 | 2 | 64 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 13 | 13 | 23 | 41 | 79 | 83 | 70 | 67 | 48 | 33 | 13 | 14 | 497 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

1999 LCRAS Sheet O, Page 2 of 5
 Davis Dam to Parker Dam Water Balance Table
 (Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], AZ)

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 194 | 191 | 847 | 1557 | 2280 | 2151 | 1819 | 1736 | 1394 | 616 | 157 | 211 | 13153 |
| Barren | 241 | 237 | 275 | 211 | 300 | 283 | 239 | 228 | 185 | 179 | 148 | 260 | 2786 |
| Sc-low | 84 | 82 | 119 | 235 | 698 | 865 | 734 | 700 | 561 | 384 | 135 | 92 | 4688 |
| Sc-high | 155 | 155 | 447 | 934 | 1901 | 1902 | 1608 | 1498 | 953 | 568 | 172 | 161 | 10453 |
| Sc/ms | 97 | 95 | 172 | 359 | 760 | 819 | 692 | 660 | 462 | 302 | 114 | 100 | 4632 |
| Sc/aw | 28 | 28 | 50 | 101 | 212 | 228 | 193 | 184 | 138 | 90 | 34 | 29 | 1316 |
| Sc/ms/aw | 25 | 25 | 44 | 90 | 189 | 203 | 171 | 163 | 129 | 86 | 31 | 26 | 1183 |
| Ms-low | 28 | 28 | 42 | 70 | 139 | 160 | 138 | 132 | 107 | 85 | 33 | 29 | 992 |
| Ms-high | 27 | 26 | 45 | 87 | 177 | 195 | 166 | 158 | 128 | 94 | 37 | 30 | 1170 |
| Ms/aw | 71 | 69 | 118 | 218 | 438 | 496 | 424 | 404 | 319 | 217 | 82 | 72 | 2928 |
| Aw | 74 | 73 | 135 | 253 | 505 | 535 | 452 | 423 | 281 | 183 | 69 | 76 | 3058 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 35 | 34 | 61 | 108 | 209 | 219 | 185 | 177 | 126 | 86 | 36 | 36 | 1311 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

1999 LCRAS Sheet P, Page 2 of 5
 Davis Dam to Parker Dam Water Balance Table
 (Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], CA)

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 41 | 40 | 179 | 329 | 482 | 455 | 385 | 367 | 295 | 130 | 33 | 45 | 2782 |
| Barren | 69 | 68 | 78 | 60 | 85 | 80 | 68 | 65 | 53 | 51 | 42 | 74 | 793 |
| Sc-low | 15 | 14 | 21 | 41 | 123 | 153 | 129 | 123 | 99 | 68 | 24 | 16 | 826 |
| Sc-high | 6 | 6 | 17 | 37 | 74 | 74 | 63 | 59 | 37 | 22 | 7 | 6 | 409 |
| Sc/ms | 6 | 6 | 11 | 23 | 49 | 53 | 44 | 42 | 30 | 19 | 7 | 6 | 297 |
| Sc/aw | 1 | 1 | 2 | 4 | 8 | 8 | 7 | 7 | 5 | 3 | 1 | 1 | 48 |
| Sc/ms/aw | 1 | 1 | 3 | 5 | 11 | 12 | 10 | 9 | 7 | 5 | 2 | 1 | 67 |
| Ms-low | 3 | 3 | 4 | 7 | 13 | 15 | 13 | 12 | 10 | 8 | 3 | 3 | 92 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 1 | 1 | 1 | 2 | 5 | 5 | 4 | 4 | 3 | 2 | 1 | 1 | 27 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 12 | 11 | 20 | 36 | 69 | 73 | 61 | 59 | 42 | 29 | 12 | 12 | 434 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Havasu [Windsor Beach] State Park, AZ)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 5 | 5 | 20 | 37 | 54 | 51 | 43 | 41 | 33 | 15 | 4 | 5 | 314 |
| Barren | 101 | 100 | 116 | 88 | 126 | 119 | 100 | 96 | 78 | 75 | 62 | 109 | 1170 |
| Sc-low | 23 | 23 | 33 | 66 | 195 | 242 | 205 | 196 | 157 | 107 | 38 | 26 | 1309 |
| Sc-high | 2 | 2 | 7 | 14 | 28 | 28 | 24 | 22 | 14 | 8 | 3 | 2 | 155 |
| Sc/ms | 3 | 3 | 5 | 11 | 22 | 24 | 20 | 19 | 14 | 9 | 3 | 3 | 137 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 21 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 12 | 12 | 20 | 36 | 70 | 74 | 62 | 59 | 42 | 29 | 12 | 12 | 441 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], AZ)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Barren | 11 | 10 | 12 | 9 | 13 | 12 | 11 | 10 | 8 | 8 | 6 | 11 | 123 |
| Sc-low | 2 | 2 | 2 | 4 | 13 | 16 | 13 | 13 | 10 | 7 | 2 | 2 | 86 |
| Sc-high | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 12 |
| Sc/ms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 1 | 1 | 2 | 3 | 7 | 8 | 7 | 6 | 5 | 4 | 2 | 1 | 48 |
| Ms-high | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 14 |
| Ms/aw | 1 | 1 | 2 | 4 | 9 | 10 | 9 | 8 | 6 | 4 | 2 | 1 | 59 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 1 | 1 | 1 | 2 | 5 | 5 | 4 | 4 | 3 | 2 | 1 | 1 | 29 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], NV)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 3 | 28 |
| Sc-low | 1 | 1 | 1 | 2 | 7 | 9 | 7 | 7 | 6 | 4 | 1 | 1 | 47 |
| Sc-high | 0 | 0 | 1 | 1 | 3 | 3 | 2 | 2 | 1 | 1 | 0 | 0 | 15 |
| Sc/ms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 13 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for Mojave Valley Irrigation and Drainage District [IDD], AZ)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 2 | 2 | 9 | 16 | 23 | 22 | 19 | 18 | 14 | 6 | 2 | 2 | 134 |
| Barren | 401 | 394 | 458 | 350 | 498 | 470 | 397 | 379 | 308 | 297 | 245 | 433 | 4629 |
| Sc-low | 174 | 171 | 248 | 490 | 1452 | 1802 | 1528 | 1458 | 1167 | 799 | 282 | 191 | 9761 |
| Sc-high | 110 | 110 | 316 | 660 | 1343 | 1343 | 1136 | 1058 | 673 | 401 | 121 | 113 | 7383 |
| Sc/ms | 81 | 80 | 144 | 300 | 634 | 683 | 577 | 550 | 386 | 252 | 95 | 83 | 3864 |
| Sc/aw | 15 | 15 | 26 | 53 | 111 | 119 | 101 | 96 | 72 | 47 | 18 | 15 | 690 |
| Sc/ms/aw | 11 | 11 | 20 | 41 | 85 | 91 | 77 | 74 | 58 | 39 | 14 | 12 | 533 |
| Ms-low | 9 | 9 | 13 | 22 | 43 | 50 | 43 | 41 | 33 | 27 | 10 | 9 | 309 |
| Ms-high | 18 | 18 | 30 | 58 | 118 | 131 | 111 | 106 | 86 | 63 | 25 | 20 | 782 |
| Ms/aw | 28 | 27 | 46 | 86 | 172 | 195 | 166 | 159 | 125 | 85 | 32 | 28 | 1150 |
| Aw | 45 | 44 | 81 | 153 | 304 | 322 | 272 | 255 | 169 | 110 | 41 | 46 | 1842 |
| Cw | 1 | 1 | 1 | 2 | 5 | 5 | 4 | 4 | 3 | 2 | 1 | 1 | 28 |
| Low Veg | 41 | 40 | 71 | 126 | 244 | 256 | 217 | 206 | 147 | 101 | 42 | 42 | 1532 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 1 | 1 | 4 | 7 | 10 | 9 | 8 | 8 | 6 | 3 | 1 | 1 | 58 |
| Barren | 147 | 145 | 168 | 129 | 183 | 173 | 146 | 139 | 113 | 109 | 90 | 159 | 1702 |
| Sc-low | 28 | 27 | 40 | 79 | 233 | 289 | 245 | 234 | 187 | 128 | 45 | 31 | 1565 |
| Sc-high | 1 | 1 | 4 | 8 | 17 | 17 | 15 | 14 | 9 | 5 | 2 | 1 | 94 |
| Sc/ms | 3 | 3 | 5 | 11 | 22 | 24 | 20 | 19 | 14 | 9 | 3 | 3 | 137 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 1 | 1 | 1 | 3 | 5 | 5 | 5 | 4 | 3 | 2 | 1 | 1 | 31 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 11 | 10 | 19 | 33 | 64 | 67 | 57 | 54 | 39 | 26 | 11 | 11 | 401 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 9 | 8 | 38 | 69 | 101 | 96 | 81 | 77 | 62 | 27 | 7 | 9 | 584 |
| Barren | 268 | 263 | 306 | 234 | 333 | 314 | 265 | 253 | 206 | 198 | 164 | 289 | 3094 |
| Sc-low | 105 | 103 | 150 | 296 | 877 | 1089 | 923 | 881 | 705 | 483 | 170 | 115 | 5897 |
| Sc-high | 58 | 58 | 166 | 347 | 706 | 707 | 598 | 557 | 354 | 211 | 64 | 60 | 3885 |
| Sc/ms | 42 | 41 | 74 | 154 | 327 | 352 | 298 | 284 | 199 | 130 | 49 | 43 | 1992 |
| Sc/aw | 3 | 3 | 6 | 12 | 25 | 27 | 23 | 22 | 16 | 11 | 4 | 3 | 155 |
| Sc/ms/aw | 6 | 5 | 10 | 20 | 41 | 44 | 37 | 36 | 28 | 19 | 7 | 6 | 258 |
| Ms-low | 8 | 7 | 11 | 19 | 37 | 43 | 37 | 35 | 29 | 23 | 9 | 8 | 264 |
| Ms-high | 15 | 15 | 25 | 48 | 98 | 108 | 92 | 88 | 71 | 52 | 21 | 16 | 649 |
| Ms/aw | 4 | 3 | 6 | 11 | 22 | 25 | 21 | 20 | 16 | 11 | 4 | 4 | 147 |
| Aw | 4 | 4 | 8 | 15 | 30 | 32 | 27 | 25 | 17 | 11 | 4 | 5 | 182 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 35 | 35 | 62 | 109 | 212 | 222 | 188 | 179 | 128 | 88 | 36 | 36 | 1331 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 1 | 1 | 4 | 8 | 11 | 11 | 9 | 9 | 7 | 3 | 1 | 1 | 66 |
| Barren | 331 | 325 | 378 | 289 | 411 | 388 | 328 | 313 | 254 | 245 | 202 | 357 | 3819 |
| Sc-low | 71 | 70 | 102 | 200 | 594 | 737 | 625 | 596 | 478 | 327 | 115 | 78 | 3993 |
| Sc-high | 26 | 26 | 75 | 157 | 320 | 320 | 271 | 252 | 161 | 96 | 29 | 27 | 1761 |
| Sc/ms | 15 | 15 | 27 | 55 | 117 | 126 | 107 | 102 | 71 | 47 | 18 | 15 | 715 |
| Sc/aw | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 0 | 20 |
| Sc/ms/aw | 0 | 0 | 1 | 1 | 2 | 3 | 2 | 2 | 2 | 1 | 0 | 0 | 16 |
| Ms-low | 1 | 1 | 2 | 4 | 7 | 8 | 7 | 7 | 5 | 4 | 2 | 1 | 50 |
| Ms-high | 2 | 2 | 4 | 7 | 15 | 16 | 14 | 13 | 11 | 8 | 3 | 2 | 97 |
| Ms/aw | 3 | 3 | 5 | 9 | 19 | 21 | 18 | 17 | 14 | 9 | 4 | 3 | 125 |
| Aw | 1 | 1 | 1 | 2 | 4 | 4 | 3 | 3 | 2 | 1 | 1 | 1 | 23 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 19 | 19 | 34 | 59 | 115 | 121 | 102 | 98 | 70 | 48 | 20 | 20 | 724 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.57 | 3.66 | 4.42 | 5.64 | 7.70 | 8.71 | 6.27 | 6.04 | 4.95 | 4.11 | 3.17 | 3.22 | 60.45 |
| Alfalfa-annual | 1.41 | 2.33 | 3.39 | 2.51 | 6.14 | 5.79 | 2.92 | 4.73 | 4.55 | 5.54 | 2.40 | 4.32 | 46.01 |
| Alfalfa-seed | 2.14 | 3.94 | 4.29 | 5.64 | 10.39 | 5.65 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 42.20 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.36 | 2.61 | 4.10 | 5.81 | 7.89 | 7.12 | 4.93 | 0.40 | 0.00 | 34.22 |
| Small Grain | 2.36 | 4.06 | 6.69 | 7.77 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 27.02 |
| Field Grain | 0.00 | 0.00 | 2.47 | 6.63 | 12.52 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 4.41 | 3.05 | 0.00 | 8.86 |
| Lettuce-late | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 3.51 | 7.79 |
| Melons-spring | 0.00 | 0.00 | 1.42 | 5.13 | 10.41 | 9.30 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.04 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 3.70 | 5.52 | 3.28 | 2.12 | 15.83 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 0.30 | 0.00 | 0.00 | 39.56 |
| Bermuda w/ rye | 3.66 | 3.39 | 4.41 | 3.40 | 8.57 | 8.36 | 7.07 | 6.63 | 5.24 | 3.03 | 2.93 | 4.00 | 60.69 |
| Citrus-young | 1.65 | 1.48 | 2.25 | 2.60 | 3.63 | 3.33 | 2.82 | 2.69 | 2.23 | 2.11 | 1.31 | 1.87 | 27.97 |
| Citrus-mature | 2.79 | 2.56 | 3.76 | 4.33 | 6.05 | 5.55 | 4.69 | 4.48 | 3.72 | 3.51 | 2.19 | 3.12 | 46.75 |
| Citrus-declining | 1.93 | 1.75 | 2.63 | 3.03 | 4.23 | 3.89 | 3.29 | 3.14 | 2.61 | 2.46 | 1.53 | 2.18 | 32.67 |
| Tomatoes | 0.00 | 1.83 | 4.63 | 8.42 | 11.79 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.74 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.12 | 6.39 | 10.91 | 9.25 | 8.79 | 3.23 | 0.00 | 0.00 | 0.00 | 39.69 |
| Legume/Solanum Veg | 4.30 | 4.10 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.53 | 4.28 | 17.44 |
| Crucifers | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 2.43 | 2.94 | 4.39 | 13.88 |
| Dates | 3.69 | 3.64 | 5.69 | 7.12 | 10.81 | 10.37 | 8.77 | 8.37 | 6.80 | 5.93 | 3.41 | 4.50 | 79.10 |
| Safflower | 0.00 | 1.50 | 4.74 | 8.59 | 12.82 | 10.50 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.36 |
| Orchards | 1.56 | 1.47 | 3.08 | 5.02 | 8.79 | 8.38 | 7.08 | 6.76 | 5.49 | 4.83 | 2.75 | 2.91 | 58.12 |
| Small Vegetables | 4.07 | 3.93 | 5.90 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.24 | 3.38 | 25.72 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 4.65 | 3.45 | 4.33 | 14.44 |
| Perennial Vegetables | 1.25 | 1.16 | 2.16 | 5.71 | 9.96 | 9.40 | 7.95 | 7.25 | 5.07 | 3.28 | 1.22 | 1.41 | 55.82 |
| Sugar Beets | 2.81 | 3.72 | 6.32 | 7.60 | 6.61 | 0.00 | 0.00 | 0.00 | 0.62 | 1.51 | 0.90 | 1.99 | 32.07 |
| Grapes | 0.00 | 0.28 | 1.71 | 4.56 | 8.72 | 8.27 | 6.67 | 4.99 | 1.65 | 0.00 | 0.00 | 0.00 | 36.84 |
| Marsh | 1.01 | 0.99 | 4.41 | 8.11 | 11.87 | 11.20 | 9.47 | 9.04 | 7.26 | 3.21 | 0.82 | 1.10 | 68.48 |
| Barren | 2.26 | 2.22 | 2.58 | 1.97 | 2.81 | 2.65 | 2.24 | 2.14 | 1.74 | 1.67 | 1.38 | 2.44 | 26.11 |
| Sc-low | 0.85 | 0.84 | 1.21 | 2.39 | 7.09 | 8.80 | 7.46 | 7.12 | 5.70 | 3.90 | 1.38 | 0.93 | 47.68 |
| Sc-high | 0.85 | 0.85 | 2.45 | 5.12 | 10.42 | 10.42 | 8.81 | 8.21 | 5.22 | 3.11 | 0.94 | 0.88 | 57.28 |
| Sc/ms | 1.29 | 1.27 | 2.29 | 4.79 | 10.13 | 10.91 | 9.22 | 8.79 | 6.16 | 4.02 | 1.51 | 1.33 | 61.72 |
| Sc/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.28 | 4.11 | 1.54 | 1.33 | 59.87 |
| Sc/ms/aw | 1.29 | 1.27 | 2.26 | 4.61 | 9.66 | 10.37 | 8.77 | 8.37 | 6.60 | 4.43 | 1.61 | 1.33 | 60.58 |
| Ms-low | 1.29 | 1.27 | 1.91 | 3.20 | 6.33 | 7.30 | 6.30 | 6.01 | 4.88 | 3.89 | 1.49 | 1.33 | 45.20 |
| Ms-high | 1.29 | 1.27 | 2.19 | 4.19 | 8.52 | 9.43 | 7.99 | 7.62 | 6.18 | 4.56 | 1.81 | 1.43 | 56.48 |
| Ms/aw | 1.29 | 1.27 | 2.16 | 4.00 | 8.02 | 9.10 | 7.77 | 7.41 | 5.85 | 3.98 | 1.51 | 1.33 | 53.69 |
| Aw | 1.29 | 1.27 | 2.34 | 4.40 | 8.77 | 9.28 | 7.85 | 7.34 | 4.87 | 3.17 | 1.19 | 1.32 | 53.10 |
| Cw | 1.29 | 1.27 | 2.40 | 4.63 | 9.35 | 9.93 | 8.40 | 7.85 | 5.18 | 3.32 | 1.22 | 1.32 | 56.15 |
| Low Veg | 1.29 | 1.27 | 2.25 | 4.00 | 7.75 | 8.13 | 6.88 | 6.55 | 4.68 | 3.20 | 1.32 | 1.32 | 48.65 |

Parker Dam to
Imperial Dam
Water-Balance
Table

(This sheet calculates the water balance on an annual basis.)

(All values in acre-feet except where noted)

Calculation of Difference between Qus and Qds (Qdif):

| | | SEE in % | SEE in Acre-Feet | Variance in Acre-Feet^2 |
|-----------------------------------|-----------|----------|------------------|-------------------------|
| Flow at Upstream Boundary (Qus) | 8,353,300 | 2.20% | 183,773 | 33,772,515,529 |
| Flow at Downstream Boundary (Qds) | 7,205,263 | 1.50% | 108,079 | 11,681,070,241 |
| Difference (Qdif) | 1,148,037 | 18.57% | 213,198 | |

Calculations for Senator Wash Change in Storage SEE:

| | Contents | Elevation (ft) | SEE (ft) | Elev.+SEE | Elev.-SEE | Contents at Elev.+SEE | Contents at Elev.-SEE | SEE in Acre-Feet | Variance in Acre-Feet^2 |
|-------------------|----------|----------------|----------|-----------|-----------|-----------------------|-----------------------|------------------|-------------------------|
| Beginning of Year | 6,975 | 233.87 | 0.025 | 233.895 | 233.845 | 6,983 | 6,967 | 17 | 272 |
| End of year | 5,097 | 227.60 | 0.025 | 227.625 | 227.575 | 5,104 | 5,090 | 14 | 182 |
| Change | (1,878) | -6.27 | | | | | | 21 | |

Water Balance:

| | Undistributed | | SEE in Acre-Feet | Variance in Acre-Feet^2 | Distributed Residual | Percent of Residual | Distributed Annual Value | SEE of Annual Percent | Distributed Values Acre-Feet |
|--|---------------|----------|------------------|-------------------------|----------------------|---------------------|--------------------------|-----------------------|------------------------------|
| | Annual Value | SEE in % | | | | | | | |
| Difference (Qdif) | 1,148,037 | 18.57% | 213,198 | 45,453,387,204 | 33,753 | 96.06% | 1,114,284 | 3.80% | 42,308 |
| Inflows: | | | | | | | | | |
| Measured Tributary Inflow (Trm) | 0 | 0.00% | 0 | 0 | 0 | 0.00% | 0 | 0.00% | 0 |
| Unmeasured Tributary Inflow (Trum) | 33,750 | 30.00% | 10,125 | 102,515,625 | 76 | 0.22% | 33,674 | 30.04% | 10,114 |
| Outflows: | | | | | | | | | |
| Export Flow (Qex) | 0 | 0.00% | 0 | 0 | 0 | 0.00% | 0 | 0.00% | 0 |
| Change in Reservoir Storage (Sr) | (1,878) | -1.12% | 21 | 441 | 0 | 0.00% | (1,878) | 1.12% | 21 |
| Change in Aquifer Storage (Sa) | 0 | N/A | 10,000 | 100,000,000 | 74 | 0.21% | 74 | 13498.65% | 9,989 |
| Domestic, Municipal & Industrial Use (CUd) | 5,287 | 2.00% | 106 | 11,236 | 0 | 0.00% | 5,287 | 2.00% | 106 |
| Crop Evapotranspiration (ETcrop) | 734,702 | 5.00% | 36,735 | 1,349,460,225 | 1,002 | 2.85% | 735,704 | 4.92% | 36,207 |
| Phreatophyte Evapotranspiration (ETpht) | 347,576 | 5.00% | 17,379 | 302,029,641 | 224 | 0.64% | 347,800 | 4.98% | 17,323 |
| Open-Water Evaporation (E) | 60,963 | 5.00% | 3,048 | 9,290,304 | 7 | 0.02% | 60,970 | 5.00% | 3,048 |
| Residual | 35,137 | | 217,524 | | 35,136 | | 1 | | 60,103 |
| Residual as a percentage of Qus | 0.42% | | Total: | 47,316,694,676 | | 100.00% | | | |

Parker Dam to Imperial Dam Water Balance Table

Final Results by Diverter

| Diverter | Crop ET | Crop CU | Phreatophyte ET | Phreatophyte WU | Undistributed Domestic Use | Domestic CU |
|-----------------------------|---------|---------|-----------------|-----------------|----------------------------|-------------|
| Arkelian Farm, AZ | 1,565 | 1,567 | 2,201 | 2,202 | | |
| Bernal Farm, CA | 0 | 0 | 1,175 | 1,176 | | |
| Cibola Valley I&DD, AZ | 15,077 | 15,098 | 6,149 | 6,153 | | |
| Cibola NWR, AZ | 6,101 | 6,109 | 45,384 | 45,413 | | |
| Cibola NWR, CA | 0 | 0 | 18,141 | 18,153 | | |
| Clark Farm, CA | 563 | 564 | 136 | 136 | | |
| CRIR, AZ | 312,993 | 313,420 | 133,835 | 133,921 | | |
| CRIR, CA | 0 | 0 | 34,928 | 34,951 | | |
| Ehrenberg Farm, AZ | 2,985 | 2,989 | 1 | 1 | | |
| Imperial NWR, AZ | 0 | 0 | 26,188 | 26,205 | | |
| Imperial NWR, CA | 0 | 0 | 19,001 | 19,013 | | |
| North Lyn-de Farm, CA | 757 | 758 | 2 | 2 | | |
| PVID, AZ | 718 | 719 | 552 | 552 | | |
| PVID, CA | 391,697 | 392,231 | 8,242 | 8,247 | | |
| Picacho SRA, CA | 0 | 0 | 4,406 | 4,409 | | |
| South Lyn-de Farm, CA | 1,445 | 1,447 | 2 | 2 | | |
| State of AZ | 33 | 33 | 19,930 | 19,943 | | |
| State of CA | 767 | 768 | 27,303 | 27,321 | | |
| 0 | 0 | 0 | 0 | 0 | | |
| Picacho Development, CA | | | | | 43 | 43 |
| Hillcrest Water Co., AZ | | | | | 12 | 12 |
| Parker (Town), AZ | | | | | 633 | 633 |
| Ehrenburg Imp. Assn, AZ | | | | | 260 | 260 |
| Parker Dam/Gov Camp, CA (1) | | | | | 81 | 81 |
| BLM Permitees CA (2) | | | | | 203 | 203 |
| BLM Permitees AZ (3) | | | | | 475 | 475 |
| Brooke Water, AZ | | | | | 244 | 244 |
| ----- | | | | | | |
| Poston, AZ | | | | | 67 | 67 |
| Cibola, AZ | | | | | 26 | 26 |
| Martinez Lake, AZ | | | | | 1 | 1 |
| Earp, CA | | | | | 133 | 133 |
| Vidal, CA | | | | | 5 | 5 |
| Palo Verde, CA | | | | | 46 | 46 |
| Big River, CA | | | | | 99 | 99 |
| Blythe, CA** | | | | | 2,905 | 2,905 |
| Ripley, CA | | | | | 53 | 53 |
| ----- | | | | | 0 | 0 |
| Check Totals | 734,701 | 735,703 | 347,576 | 347,800 | 5,286 | 5,286 |

1999 LCRAS Sheet B
Parker Dam to Imperial Dam Water Balance Table

1999 MONTHLY WATER BALANCE

(This sheet calculates the water balance on a monthly basis.)
(This sheet uses monthly values from the other sheets.)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| INFLOW | | | | | | | | | | | | | |
| Qus | 595,500 | 477,000 | 693,000 | 734,100 | 825,900 | 836,700 | 820,000 | 697,100 | 796,100 | 858,100 | 616,800 | 403,000 | 8,353,300 |
| Trm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trum | 2,813 | 2,813 | 2,813 | 2,813 | 2,813 | 2,813 | 2,813 | 2,813 | 2,813 | 2,813 | 2,813 | 2,813 | 33,750 |
| Total | 598,313 | 479,813 | 695,813 | 736,913 | 828,713 | 839,513 | 822,813 | 699,913 | 798,913 | 860,913 | 619,613 | 405,813 | 8,387,050 |
| OUTFLOW | | | | | | | | | | | | | |
| Qex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sr | 1,846 | (207) | (898) | (1,766) | 522 | 1,265 | 1,088 | (1,373) | 1,051 | (1,642) | 1,338 | (3,102) | (1,878) |
| Sa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CUd | 392 | 384 | 413 | 427 | 464 | 498 | 505 | 493 | 458 | 442 | 415 | 396 | 5,287 |
| ETcrop | 23,544 | 34,171 | 51,583 | 62,158 | 81,284 | 104,986 | 89,973 | 92,754 | 75,691 | 58,291 | 33,461 | 26,805 | 734,702 |
| ETpht | 7,384 | 7,933 | 15,561 | 24,041 | 46,979 | 57,753 | 54,202 | 52,616 | 38,908 | 25,172 | 9,615 | 7,413 | 347,576 |
| E | 1,723 | 1,563 | 4,040 | 4,245 | 7,974 | 9,156 | 8,009 | 7,835 | 5,984 | 5,446 | 3,031 | 1,957 | 60,963 |
| Qds | 626,003 | 416,509 | 609,308 | 644,587 | 672,852 | 642,227 | 655,478 | 538,449 | 655,075 | 760,796 | 577,770 | 406,208 | 7,205,263 |
| Total | 660,892 | 460,353 | 680,008 | 733,692 | 810,075 | 815,886 | 809,255 | 690,772 | 777,168 | 848,505 | 625,630 | 439,677 | 8,351,914 |
| (INFLOW -OUTFLOW) | | | | | | | | | | | | | |
| | (62,580) | 19,459 | 15,804 | 3,220 | 18,637 | 23,626 | 13,557 | 9,140 | 21,745 | 12,408 | (6,017) | (33,865) | 35,136 |

| | |
|--------|--------------------------------------|
| | Inflow |
| Qus | Flow @ Upstream Boundary |
| Trm | Measured Tributary Inflow |
| Trum | Unmeasured Tributary Inflow |
| | Outflow |
| Qex | Export Flow |
| Sr | Change in Reservoir Storage |
| Sa | Change in Aquifer Storage |
| CUd | Domestic, Municipal & Industrial Use |
| ETcrop | Crop Evapotranspiration |
| ETpht | Phreatophyte Evapotranspiration |
| E | Open-Water Evaporation |
| Qds | Flow @ Downstream Boundary |

(Sheet to calculate outflow components Qex, Sr, and Sa)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| Qex, Flow Exported | | | | | | | | | | | | | |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Station | | | | | | | | | | | | | |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Sr, Change in Reservoir Storage (End of Month (EOM) contents [reported 12midnight last day of month] - Beginning of Month (BOM) contents [reported 12 midnight last day of month prior])

| | | | | | | | | | | | | | |
|--------------|--|------|------|-------|------|------|------|-------|------|-------|------|-------|-------|
| Total | 1846 | -207 | -898 | -1766 | 522 | 1265 | 1088 | -1373 | 1051 | -1642 | 1338 | -3102 | -1878 |
| Reservoir | | | | | | | | | | | | | |
| Senator Wash | | | | | | | | | | | | | |
| | from USGS California database & USBR Operations Records (see data file park2imp.wk4) | | | | | | | | | | | | |
| EOM | 8821 | 8614 | 7716 | 5950 | 6472 | 7737 | 8825 | 7452 | 8503 | 6861 | 8199 | 5097 | |
| BOM | 6975 | 8821 | 8614 | 7716 | 5950 | 6472 | 7737 | 8825 | 7452 | 8503 | 6861 | 8199 | |
| Change | 1846 | -207 | -898 | -1766 | 522 | 1265 | 1088 | -1373 | 1051 | -1642 | 1338 | -3102 | -1878 |

| | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ----- | | | | | | | | | | | | | |
| EOM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BOM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Sa, Change in Aquifer Storage

| | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Station | | | | | | | | | | | | | |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1999 LCRAS Sheet E
Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate the outflow component CUd)

1999 CUd Outflow Component

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| CUd, Domestic, Municipal and Industrial Use | | | | | | | | | | | | | |
| Total | 392 | 384 | 413 | 427 | 464 | 498 | 505 | 493 | 458 | 442 | 415 | 396 | 5287 |

| Consumptive Use (estimated as 60% of diversion per Domestic Water Use Study of Boulder City NV 1988-1992, see file bcwater.wk1) | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Picacho Development, CA | 2.79 | 0.15 | 0.60 | 2.76 | 3.67 | 4.94 | 6.55 | 6.06 | 4.36 | 2.96 | 5.04 | 3.31 | 43 |
| Hillcrest Water Co., AZ | 0.83 | 0.69 | 0.81 | 1.07 | 1.02 | 1.17 | 1.52 | 1.13 | 1.10 | 0.97 | 1.02 | 0.89 | 12 |
| Parker (Town), AZ | 34.71 | 33.44 | 44.50 | 47.05 | 63.53 | 72.81 | 70.39 | 70.53 | 59.80 | 54.65 | 43.58 | 38.45 | 633 |
| Ehrenburg Imp. Assn, AZ | 19.09 | 15.43 | 16.78 | 23.02 | 21.97 | 30.25 | 26.66 | 26.53 | 23.94 | 22.63 | 16.95 | 16.97 | 260 |
| Parker Dam/Gov Camp, CA (1) | 3.75 | 1.74 | 4.67 | 4.47 | 4.65 | 7.14 | 10.50 | 14.29 | 9.81 | 9.70 | 6.13 | 3.78 | 81 |
| BLM Permitees CA (2) | 10.16 | 10.61 | 14.61 | 14.65 | 17.22 | 27.75 | 30.37 | 21.40 | 22.07 | 10.24 | 14.23 | 10.04 | 203 |
| BLM Permitees AZ (3) | 27.22 | 29.13 | 35.25 | 37.48 | 50.73 | 51.71 | 54.58 | 48.89 | 35.79 | 42.78 | 32.60 | 28.61 | 475 |
| Brooke Water, AZ | 15.60 | 15.28 | 18.17 | 18.41 | 23.62 | 24.60 | 26.06 | 25.71 | 22.71 | 20.11 | 17.68 | 16.06 | 244 |
| ----- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| ----- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| ----- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| ----- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| ----- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |

- (1) - Monthly consumptive use calculated as 60% of monthly diversion minus reported return flow, since majority used for landscape irrigation at Govt. Camp
- (2) - Includes Riverland, Emerald Cove/Desert Riveria, Rio Del Colorado, Rite Spot, Windmill, Echo Lodge, Big Bend, River Lodge, Sunshine, Bullfrog, Empire Landing, Quail Hollow Developments, South Mesa (potable), Squaw Lake (irrigation), Walter's Camp, and Sportsman's Water Co.
- (3) - Includes Buckskin Mountain & River Island State Parks, La Paz County Park/Golf Course, Paria Flats Recreation Area, and Hidden Shores (formerly Imperial Oasis)

| Use estimated | | | | | | | | | | | | | | |
|----------------------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| Per-capita use rates | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.0116667 | 0.14 |
| Town Name | 0.14 ac-ft per year* | | | | | | | | | | | | | |
| Poston, AZ | population | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | |
| | CU | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 67 |
| Cibola, AZ | CU | 186 | 186 | 186 | 186 | 186 | 186 | 186 | 186 | 186 | 186 | 186 | 186 | 26 |
| Martinez Lake, AZ | CU | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1 |
| Earp, CA | CU | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 133 |
| Vidal, CA | CU | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 5 |
| Palo Verde, CA | CU | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 46 |
| Big River, CA | CU | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 99 |
| Blythe, CA** | CU | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 2905 |
| Ripley, CA | CU | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 53 |
| ----- | CU | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | |
| | CU | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | |
| | CU | 705 | 705 | 705 | 705 | 705 | 705 | 705 | 705 | 705 | 705 | 705 | 705 | |
| | CU | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | |
| | CU | 20750 | 20750 | 20750 | 20750 | 20750 | 20750 | 20750 | 20750 | 20750 | 20750 | 20750 | 20750 | |
| | CU | 242.1 | 242.1 | 242.1 | 242.1 | 242.1 | 242.1 | 242.1 | 242.1 | 242.1 | 242.1 | 242.1 | 242.1 | |
| | CU | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | |
| | CU | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | |
| | CU | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

* - See text of 1997 LCRAS Report, "Domestic Use" section
** - Based upon State of CA, Dept. of Finances, Demographics Section published estimate as of 01/01/97 which includes former East Blythe (annexed)

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate outflow components E and Qds)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---|----------|--------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|---------|
| Qds Flow at Downstream Boundary (includes Qrf) | | | | | | | | | | | | | |
| Total | 626003 | 416509 | 609308 | 644587 | 672852 | 642227 | 655478 | 538449 | 655075 | 760796 | 577770 | 406208 | 7205263 |
| Imperial Dam* | | | | | | | | | | | | | |
| Station | from USGS Arizona/California District databases and USBR AVM Records (see data files park2imp.wk4 & 99st3avm.wk4) | | | | | | | | | | | | |
| AAC Station 60 | 528300 | 331500 | 506500 | 538800 | 546000 | 487300 | 540300 | 432200 | 554000 | 621000 | 442900 | 331000 | 5859800 |
| GGMC Station 30 (AVM) | 40639 | 42300 | 70034 | 65395 | 90990 | 94405 | 85156 | 75057 | 72912 | 64064 | 51917 | 43176 | 796046 |
| Mittry Lake | 984 | 889 | 984 | 952 | 922 | 952 | 922 | 922 | 893 | 922 | 893 | 922 | 11157 |
| Colo River Sluiceway | 56080 | 41820 | 31790 | 39440 | 34940 | 59570 | 29100 | 30270 | 27270 | 74810 | 82060 | 31110 | 538260 |

* - Flow exiting dam is the total of measurements made at Station 60 (All-American Canal), Station 30 (Gila Gravity Main Canal [GGMC]), Mittry Lake Diversion (Control Gate/Meter @ Headworks of GGMC), and Sluiceway (Colorado River Gauge below Imperial Dam).

E, Open-Water Evaporation (Surface Evaporation= acres * ((evaporation - precipitation)/12)))

| Total | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Total | 1723 | 1563 | 4040 | 4245 | 7974 | 9156 | 8009 | 7835 | 5984 | 5446 | 3031 | 1957 | 60963 |
| (need to set each 'lake' for the proper weather station for precipitation) | | | | | | | | | | | | | |
| Lake** | | | | | | | | | | | | | |
| River sec1 | acres | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | |
| | Ac-ft | 552 | 501 | 1294 | 1360 | 2555 | 2934 | 2566 | 2511 | 1917 | 1745 | 971 | 627 |
| River sec2 | acres | 3404 | 3404 | 3404 | 3404 | 3404 | 3404 | 3404 | 3404 | 3404 | 3404 | 3404 | 19533 |
| | Ac-ft | 470 | 426 | 1102 | 1158 | 2174 | 2497 | 2184 | 2136 | 1632 | 1485 | 826 | 534 |
| River sec3 | acres | 4606 | 4606 | 4606 | 4606 | 4606 | 4606 | 4606 | 4606 | 4606 | 4606 | 4606 | 16623 |
| | Ac-ft | 636 | 577 | 1491 | 1566 | 2942 | 3378 | 2955 | 2891 | 2208 | 2009 | 1118 | 722 |
| Senator Wash | acres | 306 | 306 | 306 | 306 | 306 | 306 | 306 | 306 | 306 | 306 | 306 | 22493 |
| | Ac-ft | 42 | 38 | 99 | 104 | 195 | 224 | 196 | 192 | 147 | 133 | 74 | 48 |
| Cibola Lake | acres | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 1494 |
| | Ac-ft | 23 | 21 | 54 | 57 | 107 | 123 | 108 | 105 | 81 | 73 | 41 | 26 |
| ----- | acres | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 820 |
| | Ac-ft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

** - River Sec 1 is Parker Dam to Palo Verde Dam; River Sec 2 is Palo Verde Dam to Imperial NWR; & River Sec 3 is Imperial NWR to Imperial Dam

Evaporation coefficient, monthly (Jensen, 1999)

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.52 | 0.57 | 0.67 | 0.79 | 0.84 | 0.89 | 0.89 | 0.85 | 0.89 | 0.86 | 0.87 | 0.57 |
|------|------|------|------|------|------|------|------|------|------|------|------|

Reference ET, inches

(THESE VALUES FROM ANOTHER WORKSHEET)

| | | | | | | | | | | | | | |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Parker/Palo Verde (averaged) | 3.23 | 3.47 | 5.80 | 6.35 | 9.13 | 9.91 | 9.28 | 9.06 | 7.30 | 6.09 | 3.35 | 3.30 | 76.25 |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|

1999 E and Qds Outflow Components

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Evaporation, inches (Evaporation = Reference ET * Evaporation coefficient) Parker/Palo Verde (averaged) | 1.68 | 1.98 | 3.88 | 5.01 | 7.67 | 8.82 | 8.26 | 7.70 | 6.49 | 5.23 | 2.91 | 1.88 | 61.52 |
| Precipitation, inches Parker/Palo Verde (averaged) | 0.02 | 0.47 | 0.00 | 0.93 | 0.01 | 0.02 | 0.56 | 0.17 | 0.74 | 0.00 | 0.00 | 0.00 | 2.92 |

(THESE VALUES FROM ANOTHER WORKSHEET)

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 60 | 65 | 86 | 60 | 84 | 91 | 86 | 84 | 67 | 61 | 48 | 62 | 855 |
| Sc-low | 0 | 0 | 1 | 1 | 4 | 6 | 5 | 5 | 4 | 3 | 1 | 0 | 31 |
| Sc-high | 1 | 1 | 5 | 9 | 17 | 20 | 19 | 18 | 11 | 6 | 2 | 1 | 110 |
| Sc/ms | 3 | 3 | 6 | 11 | 23 | 28 | 26 | 25 | 18 | 11 | 4 | 3 | 159 |
| Sc/aw | 2 | 2 | 5 | 9 | 19 | 23 | 22 | 21 | 16 | 10 | 3 | 2 | 134 |
| Sc/ms/aw | 1 | 1 | 1 | 2 | 5 | 6 | 6 | 6 | 4 | 3 | 1 | 1 | 37 |
| Ms-low | 11 | 12 | 20 | 31 | 60 | 79 | 75 | 73 | 59 | 45 | 16 | 11 | 491 |
| Ms-high | 1 | 1 | 1 | 2 | 4 | 5 | 5 | 5 | 4 | 3 | 1 | 1 | 31 |
| Ms/aw | 1 | 1 | 1 | 2 | 4 | 5 | 5 | 5 | 4 | 2 | 1 | 1 | 31 |
| Aw | 2 | 2 | 5 | 9 | 18 | 21 | 20 | 19 | 13 | 8 | 3 | 2 | 122 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 4 | 4 | 9 | 14 | 28 | 33 | 31 | 30 | 22 | 14 | 5 | 4 | 199 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 4 | 4 | 5 | 4 | 5 | 6 | 5 | 5 | 4 | 4 | 3 | 4 | 52 |
| Sc-low | 1 | 1 | 1 | 2 | 7 | 10 | 9 | 9 | 7 | 5 | 2 | 1 | 54 |
| Sc-high | 2 | 2 | 6 | 12 | 23 | 27 | 25 | 24 | 15 | 9 | 2 | 2 | 149 |
| Sc/ms | 5 | 5 | 10 | 19 | 40 | 50 | 47 | 45 | 32 | 20 | 7 | 4 | 284 |
| Sc/aw | 2 | 2 | 4 | 7 | 15 | 19 | 18 | 17 | 13 | 8 | 3 | 2 | 110 |
| Sc/ms/aw | 3 | 3 | 6 | 12 | 24 | 30 | 28 | 27 | 21 | 14 | 5 | 3 | 175 |
| Ms-low | 1 | 1 | 1 | 2 | 4 | 5 | 5 | 5 | 4 | 3 | 1 | 1 | 31 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 4 | 4 | 8 | 14 | 28 | 34 | 32 | 31 | 20 | 13 | 4 | 4 | 197 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 3 | 3 | 6 | 9 | 17 | 20 | 19 | 19 | 13 | 9 | 3 | 2 | 122 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 LCRAS Sheet K, Page 2 of 5
 Parker Dam to Imperial Dam Water Balance Table
 (Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD])

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 52 | 56 | 74 | 52 | 72 | 79 | 74 | 72 | 58 | 52 | 41 | 53 | 734 |
| Sc-low | 5 | 5 | 9 | 16 | 46 | 65 | 61 | 60 | 48 | 31 | 10 | 5 | 360 |
| Sc-high | 20 | 22 | 72 | 137 | 274 | 315 | 294 | 281 | 179 | 101 | 29 | 20 | 1743 |
| Sc/ms | 9 | 10 | 20 | 38 | 80 | 98 | 92 | 90 | 63 | 39 | 14 | 9 | 561 |
| Sc/aw | 4 | 5 | 9 | 17 | 35 | 44 | 41 | 40 | 30 | 19 | 7 | 4 | 255 |
| Sc/ms/aw | 2 | 2 | 5 | 9 | 19 | 23 | 22 | 21 | 17 | 11 | 4 | 2 | 136 |
| Ms-low | 18 | 20 | 34 | 53 | 102 | 135 | 129 | 126 | 101 | 77 | 28 | 18 | 841 |
| Ms-high | 5 | 5 | 10 | 18 | 36 | 45 | 42 | 41 | 33 | 23 | 9 | 5 | 273 |
| Ms/aw | 6 | 7 | 13 | 22 | 43 | 55 | 52 | 51 | 40 | 26 | 9 | 6 | 330 |
| Aw | 8 | 9 | 18 | 31 | 61 | 74 | 69 | 66 | 44 | 27 | 10 | 8 | 423 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 10 | 11 | 22 | 36 | 68 | 82 | 77 | 75 | 54 | 35 | 13 | 10 | 493 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 LCRAS
 Parker Dam to Imperial Dam Water Balance Table
 (Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], AZ)

Sheet L, Page 2 of 5

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 26 | 27 | 141 | 235 | 338 | 366 | 343 | 335 | 268 | 115 | 27 | 27 | 2246 |
| Barren | 49 | 52 | 70 | 49 | 68 | 74 | 69 | 67 | 54 | 49 | 38 | 50 | 689 |
| Sc-low | 47 | 50 | 84 | 153 | 443 | 628 | 590 | 576 | 459 | 299 | 100 | 49 | 3477 |
| Sc-high | 125 | 136 | 453 | 862 | 1718 | 1974 | 1848 | 1763 | 1123 | 633 | 182 | 123 | 10939 |
| Sc/ms | 136 | 146 | 304 | 579 | 1202 | 1485 | 1390 | 1355 | 951 | 587 | 209 | 134 | 8477 |
| Sc/aw | 63 | 68 | 139 | 260 | 533 | 657 | 615 | 600 | 451 | 279 | 98 | 62 | 3825 |
| Sc/ms/aw | 30 | 32 | 65 | 122 | 251 | 308 | 289 | 282 | 222 | 141 | 48 | 29 | 1819 |
| Ms-low | 61 | 65 | 113 | 173 | 336 | 444 | 424 | 414 | 334 | 253 | 92 | 60 | 2769 |
| Ms-high | 49 | 53 | 104 | 182 | 364 | 462 | 433 | 422 | 340 | 239 | 89 | 52 | 2789 |
| Ms/aw | 43 | 46 | 90 | 153 | 301 | 392 | 370 | 361 | 284 | 184 | 65 | 42 | 2331 |
| Aw | 83 | 89 | 189 | 324 | 634 | 770 | 720 | 690 | 458 | 282 | 100 | 81 | 4420 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 33 | 35 | 72 | 117 | 222 | 267 | 250 | 244 | 174 | 113 | 44 | 32 | 1602 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 LCRAS Sheet M, Page 2 of 5
 Parker Dam to Imperial Dam Water Balance Table
 (Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], CA)

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 6 | 7 | 34 | 57 | 83 | 90 | 84 | 82 | 65 | 28 | 7 | 6 | 549 |
| Barren | 24 | 26 | 35 | 24 | 34 | 37 | 34 | 33 | 27 | 24 | 19 | 25 | 342 |
| Sc-low | 26 | 28 | 47 | 85 | 245 | 349 | 327 | 319 | 254 | 166 | 55 | 27 | 1928 |
| Sc-high | 70 | 76 | 254 | 483 | 963 | 1106 | 1036 | 988 | 629 | 355 | 102 | 69 | 6131 |
| Sc/ms | 38 | 41 | 84 | 161 | 334 | 413 | 386 | 377 | 264 | 163 | 58 | 37 | 2356 |
| Sc/aw | 27 | 29 | 59 | 111 | 227 | 280 | 262 | 256 | 192 | 119 | 42 | 27 | 1631 |
| Sc/ms/aw | 10 | 11 | 23 | 42 | 87 | 107 | 100 | 97 | 77 | 49 | 17 | 10 | 629 |
| Ms-low | 9 | 10 | 17 | 26 | 51 | 68 | 65 | 63 | 51 | 39 | 14 | 9 | 423 |
| Ms-high | 13 | 14 | 27 | 48 | 96 | 122 | 114 | 111 | 90 | 63 | 24 | 14 | 735 |
| Ms/aw | 9 | 10 | 19 | 32 | 63 | 82 | 77 | 75 | 59 | 38 | 14 | 9 | 487 |
| Aw | 27 | 29 | 63 | 107 | 210 | 255 | 239 | 229 | 152 | 93 | 33 | 27 | 1464 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 30 | 32 | 66 | 107 | 203 | 244 | 229 | 223 | 159 | 103 | 40 | 29 | 1465 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 23 |
| Sc-low | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 4 |
| Sc-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms | 0 | 0 | 1 | 2 | 4 | 5 | 5 | 5 | 3 | 2 | 1 | 0 | 28 |
| Sc/aw | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 14 |
| Sc/ms/aw | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 12 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 1 | 1 | 2 | 3 | 5 | 7 | 6 | 6 | 4 | 2 | 1 | 1 | 37 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 0 | 0 | 1 | 1 | 2 | 3 | 3 | 3 | 2 | 1 | 0 | 0 | 18 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], AZ)
(Based on average reference ET values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea99.wk4)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|--|-------|-------|-------|-------|--------|-----------|---------|----------|----------|--------|
| Agricultural ET | 10885 | 16137 | 24518 | 28318 | 33604 | 42190 | 36887 | 38606 | 31535 | 24545 | 14053 | 11714 | 312993 |
| Incidental Use Percentage | | 0 | (line below = Total Agricultural ET * (1 + Incidental Use Percentage)) | | | | | | | | | | |
| CRIR, AZ | 10885 | 16137 | 24518 | 28318 | 33604 | 42190 | 36887 | 38606 | 31535 | 24545 | 14053 | 11714 | 312993 |
| Phreatophyte ET | | | | | | | | | | | | | |
| CRIR, AZ | 3016 | 3238 | 5968 | 9007 | 17698 | 22019 | 20685 | 20106 | 15085 | 10052 | 3933 | 3028 | 133835 |
| Monthly ET values | | | | | | | | | | | | | |
| Alfalfa-perennial | 7822 | 12201 | 17290 | 19364 | 26757 | 35379 | 28152 | 27509 | 22166 | 18271 | 12783 | 9720 | 237414 |
| Alfalfa-annual | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alfalfa-seed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cotton | 0 | 0 | 0 | 1226 | 2379 | 4332 | 6750 | 9324 | 8372 | 5580 | 452 | 0 | 38415 |
| Small Grain | 1175 | 2074 | 4023 | 4224 | 2663 | 0 | 0 | 0 | 0 | 0 | 0 | 474 | 14632 |
| Field Grain | 0 | 0 | 16 | 40 | 74 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 179 |
| Lettuce-early | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 58 | 38 | 0 | 114 |
| Lettuce-late | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 37 | 87 |
| Melons-spring | 0 | 0 | 72 | 239 | 472 | 484 | 161 | 0 | 0 | 0 | 0 | 0 | 1430 |
| Melons-fall | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 23 | 34 | 19 | 9 | 94 |
| Bermuda | 0 | 0 | 0 | 234 | 574 | 643 | 601 | 578 | 453 | 27 | 0 | 0 | 3109 |
| Bermuda w/ rye | 9 | 9 | 13 | 9 | 23 | 26 | 24 | 23 | 18 | 10 | 9 | 9 | 182 |
| Citrus-young | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Citrus-mature | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Citrus-declining | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tomatoes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sudan | 0 | 0 | 0 | 116 | 658 | 1274 | 1195 | 1162 | 465 | 0 | 0 | 0 | 4870 |
| Legume/Solanum Veg | 151 | 152 | 96 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 68 | 140 | 649 |
| Crucifers | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 24 | 28 | 31 | 119 |
| Dates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Safflower | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small Vegetables | 1671 | 1702 | 3007 | 2862 | 0 | 0 | 0 | 0 | 0 | 499 | 647 | 1294 | 11681 |
| Root Vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perennial Vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sugar Beets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grapes | 0 | 0 | 1 | 2 | 4 | 4 | 4 | 3 | 1 | 0 | 0 | 0 | 18 |

1999 LCRAS Sheet O, Page 2 of 5
 Parker Dam to Imperial Dam Water Balance Table
 (Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], AZ)

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 38 | 40 | 207 | 345 | 497 | 539 | 505 | 493 | 394 | 169 | 40 | 39 | 3305 |
| Barren | 927 | 994 | 1327 | 926 | 1293 | 1403 | 1313 | 1282 | 1033 | 936 | 732 | 950 | 13117 |
| Sc-low | 167 | 180 | 300 | 546 | 1579 | 2243 | 2104 | 2054 | 1637 | 1066 | 355 | 176 | 12407 |
| Sc-high | 86 | 95 | 314 | 598 | 1192 | 1370 | 1282 | 1223 | 780 | 440 | 126 | 85 | 7592 |
| Sc/ms | 263 | 282 | 586 | 1119 | 2322 | 2868 | 2685 | 2617 | 1836 | 1134 | 403 | 258 | 16373 |
| Sc/aw | 152 | 163 | 335 | 624 | 1282 | 1579 | 1478 | 1443 | 1083 | 671 | 237 | 149 | 9198 |
| Sc/ms/aw | 134 | 144 | 295 | 550 | 1130 | 1391 | 1302 | 1271 | 999 | 636 | 218 | 132 | 8203 |
| Ms-low | 394 | 423 | 733 | 1120 | 2174 | 2879 | 2748 | 2683 | 2162 | 1640 | 593 | 386 | 17934 |
| Ms-high | 197 | 211 | 419 | 732 | 1462 | 1857 | 1740 | 1699 | 1367 | 961 | 359 | 210 | 11213 |
| Ms/aw | 186 | 200 | 390 | 662 | 1303 | 1696 | 1601 | 1563 | 1230 | 795 | 283 | 183 | 10093 |
| Aw | 320 | 344 | 731 | 1251 | 2449 | 2972 | 2782 | 2664 | 1768 | 1088 | 386 | 312 | 17069 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 150 | 161 | 330 | 533 | 1015 | 1222 | 1144 | 1115 | 796 | 515 | 200 | 147 | 7330 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 LCRAS Sheet P, Page 2 of 5
 Parker Dam to Imperial Dam Water Balance Table
 (Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], CA)

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 12 | 13 | 66 | 110 | 159 | 172 | 161 | 157 | 126 | 54 | 13 | 12 | 1056 |
| Barren | 251 | 269 | 359 | 250 | 349 | 379 | 355 | 346 | 279 | 253 | 198 | 257 | 3545 |
| Sc-low | 62 | 67 | 112 | 203 | 588 | 836 | 784 | 765 | 610 | 397 | 132 | 66 | 4622 |
| Sc-high | 51 | 56 | 184 | 351 | 700 | 804 | 753 | 718 | 457 | 258 | 74 | 50 | 4455 |
| Sc/ms | 72 | 77 | 159 | 304 | 631 | 780 | 730 | 711 | 499 | 308 | 109 | 70 | 4450 |
| Sc/aw | 41 | 44 | 91 | 170 | 349 | 430 | 402 | 393 | 295 | 183 | 64 | 41 | 2503 |
| Sc/ms/aw | 31 | 33 | 67 | 125 | 258 | 317 | 297 | 290 | 228 | 145 | 50 | 30 | 1870 |
| Ms-low | 88 | 95 | 164 | 250 | 486 | 643 | 614 | 600 | 483 | 366 | 133 | 86 | 4008 |
| Ms-high | 34 | 36 | 72 | 126 | 252 | 319 | 299 | 292 | 235 | 165 | 62 | 36 | 1930 |
| Ms/aw | 35 | 38 | 74 | 125 | 246 | 321 | 303 | 295 | 233 | 150 | 54 | 35 | 1908 |
| Aw | 55 | 59 | 126 | 215 | 421 | 511 | 478 | 458 | 304 | 187 | 66 | 54 | 2933 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 34 | 36 | 74 | 120 | 228 | 275 | 257 | 251 | 179 | 116 | 45 | 33 | 1647 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 LCRAS
 Parker Dam to Imperial Dam Water Balance Table
 (Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], AZ)

Sheet R, Page 2 of 5

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 61 | 65 | 336 | 560 | 806 | 875 | 819 | 799 | 639 | 274 | 64 | 63 | 5363 |
| Barren | 176 | 189 | 252 | 176 | 246 | 267 | 250 | 244 | 196 | 178 | 139 | 181 | 2493 |
| Sc-low | 31 | 34 | 56 | 102 | 295 | 419 | 393 | 384 | 306 | 199 | 66 | 33 | 2318 |
| Sc-high | 45 | 50 | 165 | 315 | 627 | 720 | 674 | 643 | 410 | 231 | 66 | 45 | 3992 |
| Sc/ms | 71 | 76 | 158 | 301 | 624 | 771 | 722 | 704 | 494 | 305 | 108 | 69 | 4403 |
| Sc/aw | 16 | 18 | 36 | 67 | 138 | 170 | 159 | 155 | 116 | 72 | 25 | 16 | 988 |
| Sc/ms/aw | 7 | 7 | 15 | 28 | 57 | 71 | 66 | 65 | 51 | 32 | 11 | 7 | 417 |
| Ms-low | 28 | 30 | 52 | 80 | 155 | 205 | 196 | 191 | 154 | 117 | 42 | 28 | 1279 |
| Ms-high | 17 | 18 | 35 | 62 | 124 | 157 | 147 | 144 | 116 | 81 | 30 | 18 | 948 |
| Ms/aw | 19 | 21 | 41 | 69 | 136 | 177 | 167 | 163 | 128 | 83 | 30 | 19 | 1051 |
| Aw | 35 | 38 | 80 | 137 | 268 | 326 | 305 | 292 | 194 | 119 | 42 | 34 | 1870 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 22 | 23 | 48 | 78 | 148 | 178 | 166 | 162 | 116 | 75 | 29 | 21 | 1065 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 40 | 42 | 218 | 363 | 523 | 567 | 531 | 518 | 414 | 177 | 42 | 41 | 3475 |
| Barren | 56 | 60 | 80 | 56 | 78 | 84 | 79 | 77 | 62 | 56 | 44 | 57 | 787 |
| Sc-low | 21 | 22 | 37 | 67 | 195 | 277 | 260 | 254 | 202 | 132 | 44 | 22 | 1533 |
| Sc-high | 38 | 42 | 138 | 263 | 525 | 603 | 565 | 539 | 343 | 194 | 56 | 38 | 3344 |
| Sc/ms | 61 | 66 | 136 | 260 | 540 | 667 | 624 | 608 | 427 | 264 | 94 | 60 | 3806 |
| Sc/aw | 18 | 19 | 39 | 73 | 151 | 186 | 174 | 170 | 127 | 79 | 28 | 18 | 1081 |
| Sc/ms/aw | 9 | 9 | 19 | 35 | 72 | 89 | 83 | 81 | 64 | 41 | 14 | 8 | 526 |
| Ms-low | 24 | 26 | 44 | 68 | 131 | 174 | 166 | 162 | 130 | 99 | 36 | 23 | 1082 |
| Ms-high | 15 | 16 | 31 | 54 | 108 | 138 | 129 | 126 | 101 | 71 | 27 | 16 | 832 |
| Ms/aw | 13 | 14 | 27 | 46 | 91 | 118 | 111 | 109 | 85 | 55 | 20 | 13 | 701 |
| Aw | 26 | 28 | 60 | 102 | 200 | 243 | 228 | 218 | 145 | 89 | 32 | 25 | 1396 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 9 | 10 | 20 | 32 | 61 | 73 | 68 | 67 | 48 | 31 | 12 | 9 | 438 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 1 | 1 | 3 | 5 | 7 | 8 | 7 | 7 | 6 | 2 | 1 | 1 | 48 |
| Barren | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 18 |
| Sc-low | 1 | 1 | 1 | 2 | 6 | 9 | 8 | 8 | 6 | 4 | 1 | 1 | 49 |
| Sc-high | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 8 | 5 | 3 | 1 | 1 | 51 |
| Sc/ms | 0 | 0 | 1 | 2 | 4 | 5 | 5 | 5 | 3 | 2 | 1 | 0 | 29 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 1 | 1 | 2 | 3 | 5 | 6 | 6 | 6 | 5 | 4 | 1 | 1 | 40 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Ms/aw | 3 | 3 | 6 | 11 | 21 | 27 | 26 | 25 | 20 | 13 | 5 | 3 | 163 |
| Aw | 2 | 2 | 5 | 8 | 15 | 19 | 17 | 17 | 11 | 7 | 2 | 2 | 107 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 1 | 1 | 2 | 3 | 6 | 8 | 7 | 7 | 5 | 3 | 1 | 1 | 45 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 LCRAS Sheet V, Page 2 of 5
 Parker Dam to Imperial Dam Water Balance Table
 (Sheet to calculate ET for the Palo Verde Irrigation District [PVID], CA)

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 4 | 4 | 20 | 33 | 48 | 52 | 48 | 47 | 38 | 16 | 4 | 4 | 316 |
| Barren | 112 | 121 | 161 | 112 | 157 | 170 | 159 | 155 | 125 | 114 | 89 | 115 | 1591 |
| Sc-low | 13 | 14 | 23 | 41 | 119 | 169 | 159 | 155 | 124 | 80 | 27 | 13 | 936 |
| Sc-high | 4 | 5 | 15 | 30 | 59 | 68 | 63 | 60 | 38 | 22 | 6 | 4 | 375 |
| Sc/ms | 13 | 14 | 28 | 54 | 112 | 138 | 130 | 126 | 89 | 55 | 19 | 12 | 790 |
| Sc/aw | 9 | 9 | 19 | 35 | 72 | 89 | 83 | 81 | 61 | 38 | 13 | 8 | 517 |
| Sc/ms/aw | 6 | 6 | 12 | 23 | 47 | 58 | 55 | 53 | 42 | 27 | 9 | 6 | 344 |
| Ms-low | 19 | 21 | 36 | 54 | 105 | 140 | 133 | 130 | 105 | 80 | 29 | 19 | 870 |
| Ms-high | 2 | 2 | 3 | 6 | 12 | 15 | 14 | 14 | 11 | 8 | 3 | 2 | 91 |
| Ms/aw | 8 | 9 | 18 | 30 | 59 | 76 | 72 | 70 | 55 | 36 | 13 | 8 | 454 |
| Aw | 15 | 16 | 35 | 60 | 117 | 142 | 133 | 127 | 84 | 52 | 18 | 15 | 814 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 23 | 25 | 51 | 83 | 159 | 191 | 179 | 174 | 124 | 80 | 31 | 23 | 1145 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 LCRAS
 Parker Dam to Imperial Dam Water Balance Table
 (Sheet to calculate ET for Picacho State Recreation Area [SRA], CA)

Sheet W, Page 2 of 5

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 7 | 8 | 40 | 67 | 96 | 105 | 98 | 96 | 76 | 33 | 8 | 8 | 641 |
| Barren | 22 | 24 | 32 | 22 | 31 | 34 | 31 | 31 | 25 | 22 | 17 | 23 | 313 |
| Sc-low | 11 | 12 | 20 | 37 | 107 | 152 | 143 | 139 | 111 | 72 | 24 | 12 | 842 |
| Sc-high | 3 | 4 | 12 | 24 | 47 | 54 | 51 | 48 | 31 | 17 | 5 | 3 | 300 |
| Sc/ms | 8 | 8 | 18 | 34 | 70 | 86 | 81 | 78 | 55 | 34 | 12 | 8 | 491 |
| Sc/aw | 6 | 6 | 13 | 24 | 49 | 61 | 57 | 55 | 42 | 26 | 9 | 6 | 353 |
| Sc/ms/aw | 2 | 2 | 3 | 6 | 13 | 16 | 15 | 15 | 12 | 7 | 3 | 2 | 96 |
| Ms-low | 3 | 4 | 6 | 9 | 18 | 24 | 23 | 22 | 18 | 14 | 5 | 3 | 149 |
| Ms-high | 0 | 0 | 1 | 2 | 3 | 4 | 4 | 4 | 3 | 2 | 1 | 0 | 24 |
| Ms/aw | 7 | 8 | 16 | 26 | 52 | 68 | 64 | 62 | 49 | 32 | 11 | 7 | 402 |
| Aw | 8 | 8 | 17 | 30 | 58 | 71 | 66 | 63 | 42 | 26 | 9 | 7 | 406 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 8 | 9 | 18 | 28 | 54 | 65 | 61 | 59 | 42 | 27 | 11 | 8 | 389 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 10 | 11 | 56 | 94 | 135 | 147 | 137 | 134 | 107 | 46 | 11 | 11 | 900 |
| Barren | 226 | 242 | 323 | 226 | 315 | 342 | 320 | 312 | 252 | 228 | 178 | 232 | 3196 |
| Sc-low | 38 | 41 | 68 | 123 | 356 | 506 | 474 | 463 | 369 | 240 | 80 | 40 | 2797 |
| Sc-high | 32 | 36 | 118 | 225 | 448 | 514 | 482 | 459 | 293 | 165 | 47 | 32 | 2851 |
| Sc/ms | 38 | 41 | 84 | 161 | 334 | 412 | 386 | 376 | 264 | 163 | 58 | 37 | 2353 |
| Sc/aw | 23 | 25 | 51 | 95 | 195 | 239 | 224 | 219 | 164 | 102 | 36 | 23 | 1395 |
| Sc/ms/aw | 12 | 13 | 27 | 50 | 102 | 126 | 118 | 115 | 90 | 58 | 20 | 12 | 742 |
| Ms-low | 35 | 38 | 65 | 99 | 193 | 256 | 244 | 238 | 192 | 146 | 53 | 34 | 1593 |
| Ms-high | 7 | 8 | 15 | 26 | 52 | 66 | 62 | 60 | 49 | 34 | 13 | 7 | 399 |
| Ms/aw | 12 | 13 | 26 | 44 | 86 | 112 | 106 | 103 | 81 | 52 | 19 | 12 | 665 |
| Aw | 28 | 30 | 65 | 111 | 217 | 263 | 246 | 236 | 156 | 96 | 34 | 28 | 1511 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 31 | 34 | 69 | 111 | 212 | 255 | 239 | 233 | 166 | 107 | 42 | 31 | 1529 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

1999 DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 12 | 13 | 66 | 110 | 159 | 172 | 161 | 158 | 126 | 54 | 13 | 12 | 1057 |
| Barren | 268 | 288 | 384 | 268 | 374 | 406 | 380 | 371 | 299 | 271 | 212 | 275 | 3798 |
| Sc-low | 58 | 62 | 104 | 188 | 544 | 773 | 725 | 708 | 564 | 368 | 123 | 61 | 4277 |
| Sc-high | 48 | 53 | 175 | 334 | 665 | 764 | 715 | 683 | 435 | 245 | 70 | 48 | 4235 |
| Sc/ms | 63 | 67 | 140 | 267 | 554 | 685 | 641 | 625 | 438 | 271 | 96 | 62 | 3909 |
| Sc/aw | 22 | 24 | 49 | 91 | 187 | 231 | 216 | 211 | 158 | 98 | 35 | 22 | 1343 |
| Sc/ms/aw | 14 | 15 | 31 | 58 | 119 | 147 | 137 | 134 | 105 | 67 | 23 | 14 | 865 |
| Ms-low | 45 | 49 | 84 | 129 | 250 | 331 | 316 | 309 | 249 | 189 | 68 | 44 | 2065 |
| Ms-high | 15 | 16 | 32 | 55 | 110 | 140 | 131 | 128 | 103 | 72 | 27 | 16 | 844 |
| Ms/aw | 12 | 13 | 26 | 43 | 85 | 111 | 105 | 102 | 80 | 52 | 19 | 12 | 660 |
| Aw | 36 | 38 | 82 | 140 | 274 | 332 | 311 | 298 | 198 | 122 | 43 | 35 | 1907 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 48 | 52 | 105 | 170 | 324 | 391 | 366 | 356 | 255 | 165 | 64 | 47 | 2343 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 1.97 | 3.07 | 4.36 | 4.88 | 6.74 | 8.91 | 7.09 | 6.93 | 5.58 | 4.60 | 3.22 | 2.45 | 59.82 |
| Alfalfa-annual | 1.16 | 1.93 | 3.38 | 2.27 | 5.47 | 5.82 | 3.29 | 5.40 | 5.26 | 5.98 | 2.48 | 3.22 | 45.66 |
| Alfalfa-seed | 1.77 | 3.31 | 4.24 | 5.12 | 9.15 | 5.81 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 40.14 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.19 | 2.31 | 4.21 | 6.56 | 9.06 | 8.14 | 5.42 | 0.44 | 0.00 | 37.33 |
| Small Grain | 1.93 | 3.41 | 6.62 | 6.95 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 24.08 |
| Field Grain | 0.00 | 0.00 | 2.44 | 6.02 | 11.08 | 7.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 4.70 | 3.12 | 0.00 | 9.29 |
| Lettuce-late | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 2.59 | 6.13 |
| Melons-spring | 0.00 | 0.00 | 1.41 | 4.67 | 9.21 | 9.44 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 4.09 | 5.97 | 3.34 | 1.62 | 16.37 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 0.35 | 0.00 | 0.00 | 41.14 |
| Bermuda w/ rye | 2.92 | 2.84 | 4.33 | 3.10 | 7.59 | 8.50 | 7.96 | 7.65 | 5.99 | 3.23 | 2.99 | 3.00 | 60.10 |
| Citrus-young | 1.34 | 1.20 | 2.23 | 2.34 | 3.21 | 3.39 | 3.17 | 3.10 | 2.55 | 2.28 | 1.34 | 1.40 | 27.54 |
| Citrus-mature | 2.24 | 2.12 | 3.72 | 3.89 | 5.35 | 5.65 | 5.29 | 5.16 | 4.25 | 3.79 | 2.23 | 2.34 | 46.03 |
| Citrus-declining | 1.56 | 1.43 | 2.60 | 2.72 | 3.75 | 3.95 | 3.70 | 3.61 | 2.97 | 2.65 | 1.56 | 1.64 | 32.16 |
| Tomatoes | 0.00 | 1.50 | 4.59 | 7.57 | 10.40 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.01 | 5.73 | 11.10 | 10.42 | 10.13 | 4.06 | 0.00 | 0.00 | 0.00 | 42.46 |
| Legume/Solanum Veg | 3.43 | 3.45 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.54 | 3.18 | 14.75 |
| Crucifers | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 2.58 | 2.98 | 3.29 | 12.60 |
| Dates | 2.95 | 3.05 | 5.63 | 6.41 | 9.57 | 10.55 | 9.88 | 9.64 | 7.77 | 6.42 | 3.48 | 3.38 | 78.74 |
| Safflower | 0.00 | 1.22 | 4.70 | 7.72 | 11.34 | 10.57 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.87 |
| Orchards | 1.27 | 1.19 | 3.05 | 4.54 | 7.78 | 8.52 | 7.98 | 7.79 | 6.28 | 5.23 | 2.81 | 2.19 | 58.63 |
| Small Vegetables | 3.25 | 3.31 | 5.84 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.26 | 2.51 | 22.69 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.97 | 3.52 | 3.19 | 13.90 |
| Perennial Vegetables | 1.03 | 0.92 | 2.14 | 5.16 | 8.81 | 9.56 | 8.95 | 8.34 | 5.84 | 3.58 | 1.25 | 1.06 | 56.66 |
| Sugar Beets | 2.27 | 3.13 | 6.25 | 6.83 | 5.67 | 0.00 | 0.00 | 0.00 | 0.60 | 1.63 | 0.92 | 1.48 | 28.78 |
| Grapes | 0.00 | 0.20 | 1.70 | 4.13 | 7.71 | 8.41 | 7.51 | 5.78 | 2.05 | 0.00 | 0.00 | 0.00 | 37.48 |
| Marsh | 0.80 | 0.85 | 4.38 | 7.30 | 10.50 | 11.40 | 10.67 | 10.41 | 8.32 | 3.57 | 0.84 | 0.83 | 69.86 |
| Barren | 1.78 | 1.91 | 2.55 | 1.78 | 2.48 | 2.70 | 2.52 | 2.46 | 1.98 | 1.80 | 1.41 | 1.83 | 25.20 |
| Sc-low | 0.67 | 0.72 | 1.20 | 2.18 | 6.31 | 8.96 | 8.40 | 8.20 | 6.54 | 4.26 | 1.42 | 0.70 | 49.56 |
| Sc-high | 0.67 | 0.73 | 2.43 | 4.63 | 9.23 | 10.60 | 9.93 | 9.47 | 6.03 | 3.40 | 0.98 | 0.66 | 58.76 |
| Sc/ms | 1.02 | 1.09 | 2.27 | 4.33 | 8.99 | 11.10 | 10.39 | 10.13 | 7.10 | 4.39 | 1.56 | 1.00 | 63.36 |
| Sc/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.24 | 4.49 | 1.58 | 1.00 | 61.48 |
| Sc/ms/aw | 1.02 | 1.09 | 2.24 | 4.17 | 8.57 | 10.55 | 9.88 | 9.64 | 7.58 | 4.83 | 1.66 | 1.00 | 62.24 |
| Ms-low | 1.02 | 1.09 | 1.89 | 2.89 | 5.61 | 7.43 | 7.10 | 6.93 | 5.58 | 4.23 | 1.53 | 1.00 | 46.31 |
| Ms-high | 1.02 | 1.09 | 2.17 | 3.78 | 7.56 | 9.60 | 9.00 | 8.78 | 7.07 | 4.97 | 1.86 | 1.09 | 57.98 |
| Ms/aw | 1.02 | 1.09 | 2.13 | 3.62 | 7.12 | 9.27 | 8.75 | 8.54 | 6.72 | 4.35 | 1.55 | 1.00 | 55.15 |
| Aw | 1.02 | 1.09 | 2.32 | 3.98 | 7.78 | 9.44 | 8.84 | 8.46 | 5.62 | 3.46 | 1.23 | 0.99 | 54.23 |
| Cw | 1.02 | 1.09 | 2.38 | 4.18 | 8.29 | 10.11 | 9.46 | 9.05 | 5.97 | 3.63 | 1.25 | 0.99 | 57.43 |
| Low Veg | 1.02 | 1.09 | 2.23 | 3.61 | 6.87 | 8.28 | 7.75 | 7.55 | 5.39 | 3.49 | 1.36 | 0.99 | 49.63 |

Imperial Dam to Mexico

Water-Balance Table

Imperial Dam to Mexico Water Balance Table

1999 ANNUAL WATER BALANCE

(This sheet calculates the water balance on an annual basis.)

(All values in acre-feet except where noted)

Calculation of SEE for the Flow at the Downstream Boundary (Qds):

| | Flow | SEE in % | See in Acre-Feet | Variance in Acre-Feet ² | Percent of Total Variance | Amount of Adjustment Added to Flow | Distributed Flow |
|------------------------------------|------------------|--------------|------------------|---------------------------------------|------------------------------|--|----------------------------------|
| Colo. R. at NIB (1) | 2,759,700 | 1.40% | 38,636 | 1,492,740,496 | 84.21% | -77495 | 2682205 |
| 11 Mile Wasteway | 4,777 | 2.50% | 119 | 14,161 | 0.00% | 0 | 4777 |
| Cooper Wasteway | 1,003 | 2.50% | 25 | 625 | 0.00% | 0 | 1003 |
| 21 Mile Wasteway | 1,782 | 2.50% | 45 | 2,025 | 0.00% | 0 | 1782 |
| Main Drain (inc. 242) | 112,320 | 2.50% | 2,808 | 7,884,864 | 0.44% | -405 | 111915 |
| W. Main Canal Drain | 8,145 | 2.50% | 204 | 41,616 | 0.00% | 0 | 8145 |
| E. Main Canal Drain | 6,456 | 2.50% | 161 | 25,921 | 0.00% | 0 | 6456 |
| Underflow to Mexico (2) | 82,443 | 20.00% | 16,489 | 271,887,121 | 15.34% | -14117 | 68326 |
| Total Downstream flow (Qds) | 2,976,626 | 1.41% | 42,102 | 1,772,596,829 | 99.99% | -92017 | 2884609 |
| | | | | | Check Total | -92026 | <--From Report Table 6 |

Calculation of Difference between Qus and Qds (Qdif):

| | Flow | SEE in % | SEE in Acre-Feet | Variance in Acre-Feet ² |
|-----------------------------------|------------------|--------------|---------------------|---------------------------------------|
| Flow at Upstream Boundary (Qus) | 7,205,263 | 1.50% | 108,079 | 11,681,070,241 |
| Flow at Downstream Boundary (Qds) | 2,976,626 | 1.41% | 42,102 | 1,772,578,404 |
| Difference (Qdif) | 4,228,637 | 2.74% | 115,990 | |

Calculation of SEE for Exports (Qex):

| | Flow in Acre-Feet | SEE in % | SEE in Acre-Feet | Variance in Acre-Feet ² | Percent of Total Variance | Amount of Residual Added to Flow | Distributed Export Flow |
|--------------------------------|----------------------|--------------|---------------------|---------------------------------------|------------------------------|--|----------------------------|
| AAC Sta 1117* | 3,418,200 | 1.17% | 39,993 | 1,599,440,049 | 97.07% | (259) | 3,417,941 |
| Wellton-Mohawk (AVM) | 347,407 | 2.00% | 6,948 | 48,274,704 | 2.93% | (8) | 347,399 |
| DPOC 1, 2, & 3 and DW-1 | 3,390 | 2.00% | 68 | 4,624 | 0.00% | 0 | 3,390 |
| Total Export Flow (Qex) | 3,768,997 | 1.08% | 40,592 | 1,647,719,377 | 100.00% | (267) | 3,768,730 |

Water Balance:

| | Undistributed Annual Value | SEE in % | SEE in Acre-Feet | Variance in Acre-Feet ² | Distributed Residual | Percent of Residual | Distributed Annual Value | SEE of Annual Percent | Distributed Values Acre-Feet |
|--|----------------------------------|----------|---------------------|---------------------------------------|-------------------------|------------------------|--------------------------------|-----------------------------|------------------------------------|
| Difference (Qdif) | 4,228,637 | 2.74% | 115,990 | 13,453,680,100 | (2,181) | 86.48% | 4,230,818 | 1.01% | 42,661 |
| Inflows: | | | | | | | | | |
| Measured Tributary Inflow (Trm) | 7,017 | 7.00% | 491 | 241,081 | 0 | 0.00% | 7,017 | 7.00% | 491 |
| Unmeasured Tributary Inflow (Trum) | 3,000 | 30.00% | 900 | 810,000 | 0 | 0.00% | 3,000 | 30.00% | 900 |
| Outflows: | | | | | | | | | |
| Export Flow (Qex) | 3,768,997 | 1.08% | 40,592 | 1,647,710,464 | (267) | 10.59% | 3,768,730 | 1.02% | 38,382 |
| Change in Reservoir Storage (Sr) | 0 | 0.00% | 0 | 0 | 0 | 0.00% | 0 | 0.00% | 0 |
| Change in Aquifer Storage (Sa) | 0 | N/A | 10,000 | 100,000,000 | (16) | 0.63% | (16) | 62300.00% | 9,968 |
| Domestic, Municipal & Industrial Use (CUd) | 28,618 | 2.00% | 572 | 327,184 | 0 | 0.00% | 28,618 | 2.00% | 572 |
| Crop Evapotranspiration (ETcrop) | 371,081 | 5.00% | 18,554 | 344,250,916 | (56) | 2.22% | 371,025 | 4.95% | 18,348 |
| Phreatophyte Evapotranspiration (ETpht) | 67,150 | 5.00% | 3,358 | 11,276,164 | (2) | 0.08% | 67,148 | 5.00% | 3,357 |
| Open-Water Evaporation (E) | 5,330 | 5.00% | 267 | 71,289 | 0 | 0.00% | 5,330 | 5.01% | 267 |
| Residual | (2,522) | | 124,733 | | | | 0 | | 61,171 |
| Residual as a percentage of Qus | -0.04% | | Total | 15,558,367,198 | (2,522) | 100.00% | | | |

* SEE for AAC Sta 1117 from Procedure for Estimating Measurement Accuracy for Surface Water flows by B.T. Wahlin, A.J. Clemmens, and J.A. Replogle. Proposed for Publication in the Journal of Irrigation and Drainage Engineering.

Imperial Dam to Mexico Water Balance Table

Final Results by Agricultural Diverter

| <u>Diverter</u> | <u>Crop ET</u> | <u>Crop CU</u> | <u>Phreatophyte ET</u> | <u>Phreatophyte WU</u> | <u>Undistributed Domestic Use</u> | <u>Undistributed Domestic CU</u> | <u>Undistributed Export</u> | <u>Distributed Export</u> |
|------------------------------|----------------|----------------|------------------------|------------------------|-----------------------------------|----------------------------------|-----------------------------|---------------------------|
| Desert Lawn Memorial, AZ | 395 | 395 | 0 | 0 | | | | |
| FYIR, AZ & Homesteads | 1,397 | 1,397 | 3,830 | 3,830 | | | | |
| FYIR Mittry SWA & YPG, AZ | 0 | 0 | 837 | 837 | | | | |
| FYIR, CA | 3,703 | 3,702 | 12,928 | 12,928 | | | | |
| FYIR Bard Unit, CA | 25,030 | 25,026 | 807 | 807 | | | | |
| FYIR Indian Unit, CA | 16,059 | 16,057 | 508 | 508 | | | | |
| FYIR & Picacho SRA, CA | 0 | 0 | 5 | 5 | | | | |
| FYIR & YPG, CA | 0 | 0 | 825 | 825 | | | | |
| Hillander "C" ID, AZ | 5,933 | 5,932 | 0 | 0 | | | | |
| Imperial NWR, AZ | 231 | 231 | 5,668 | 5,668 | | | | |
| Imperial NWR, CA | 0 | 0 | 171 | 171 | | | | |
| Imperial NWR & YPG, CA | 0 | 0 | 48 | 48 | | | | |
| Mittry Lake SWA, AZ | 188 | 188 | 9,867 | 9,867 | | | | |
| North Cocopah IR, AZ | 641 | 641 | 710 | 710 | | | | |
| North Gila Valley ID, AZ | 18,066 | 18,063 | 821 | 821 | | | | |
| Picacho SR Lands, CA | 0 | 0 | 119 | 119 | | | | |
| Sturges GM Ranch, AZ | 6,084 | 6,083 | 48 | 48 | | | | |
| State of AZ | 9,499 | 9,498 | 8,651 | 8,651 | | | | |
| State of AZ-Limitrophe | 2,136 | 2,136 | 4,106 | 4,106 | | | | |
| State of AZ-DG from YMIDD | 13,464 | 13,462 | 0 | 0 | | | | |
| State of CA | 8,054 | 8,053 | 2,423 | 2,423 | | | | |
| Unit "B" IDD, AZ | 8,122 | 8,121 | 0 | 0 | | | | |
| University AZ Ag Station, AZ | 265 | 265 | 0 | 0 | | | | |
| West Cocopah IR, AZ | 5,588 | 5,587 | 5,916 | 5,916 | | | | |
| Yuma Irrg. Dist., AZ | 32,116 | 32,111 | 303 | 303 | | | | |
| Yuma Mesa IDD, AZ | 71,263 | 71,252 | 0 | 0 | | | | |
| YPG, AZ | 0 | 0 | 362 | 362 | | | | |
| YPG, CA | 20 | 20 | 8,182 | 8,182 | | | | |
| Yuma Valley ID, AZ | 142,826 | 142,804 | 18 | 18 | | | | |
| Check Totals | 371,080 | 371,024 | 67,153 | 67,153 | 0 | 0 | 0 | 0 |

Imperial Dam to Mexico Water Balance Table

Final Results by Domestic Diverter

| <u>Diverter</u> | Crop ET | Crop CU | Phreatophyte ET | Phreatophyte WU | Undistributed Domestic Use | Domestic CU | Undistributed Export | Distributed Export |
|------------------------------|---------|---------|-----------------|-----------------|----------------------------|-------------|----------------------|--------------------|
| Yuma (City), AZ (1) | | | | | 17,663 | 17,663 | | |
| Yuma Proving Ground AZ (2) | | | | | 484 | 484 | | |
| Winterhaven, CA (3) | | | | | 74 | 74 | | |
| Marine Corps Air Sta AZ | | | | | 1,022 | 1,022 | | |
| Southern Pacific RR, AZ | | | | | 29 | 29 | | |
| Yuma Mesa Fruit Grw AZ | | | | | 7 | 7 | | |
| Yuma Union HS, AZ | | | | | 115 | 115 | | |
| Yuma AO, USBR, AZ (4) | | | | | 968 | 968 | | |
| Site7YuccaPower AZ (5) | | | | | 775 | 775 | | |
| Cocopah Bend RV Park, AZ (6) | | | | | 204 | 204 | | |
| Somerton, AZ (7) | | | | | 720 | 720 | | |
| Gadsden, AZ (8) | | | | | 24 | 24 | | |
| San Luis, AZ (9) | | | | | 1,500 | 1,500 | | |
| Prison, AZ (10) | | | | | 12 | 12 | | |
| East Cocopah Bingo, AZ | | | | | 0 | 0 | | |
| ----- | | | | | 0 | 0 | | |
| Yuma (County), AZ | | | | | 4,794 | 4,794 | | |
| Bard, CA | | | | | 214 | 214 | | |
| East Cocopah Indian Res.,AZ* | | | | | 14 | 14 | | |
| ----- | | | | | 0 | 0 | | |
| Check Totals | 0 | 0 | 0 | 0 | 28,619 | 28,619 | 0 | 0 |

1999 LCRAS

Imperial Dam to Mexico Water Balance Table

Final Results for Exports

| | | | | | | | | |
|---|---|---|---|---|---|---|-----------|-----------|
| AAC Sta 1117* | | | | | | | 3,418,200 | 3,417,958 |
| Wellton-Mohawk (AVM) | | | | | | | 347,407 | 347,382 |
| DPOC 1, 2, & 3 and DW-1 7, & 9 discharge into MODE | | | | | | | 3,390 | 3,390 |
| Check Totals | 0 | 0 | 0 | 0 | 0 | 0 | 3,768,997 | 3,768,730 |

1999 MONTHLY WATER BALANCE

(This sheet calculates the water balance on a monthly basis.)
(This sheet uses monthly values from the other sheets.)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|----------|----------|---------|---------|---------|---------|---------|---------|-----------|---------|----------|----------|-----------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| INFLOW | | | | | | | | | | | | | |
| Qus | 626,003 | 416,509 | 609,308 | 644,587 | 672,852 | 642,227 | 655,478 | 538,449 | 655,075 | 760,796 | 577,770 | 406,208 | 7,205,263 |
| Trm | 342 | 786 | 735 | 443 | 259 | 214 | 365 | 202 | 662 | 1,120 | 869 | 1,020 | 7,017 |
| Trum | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 3,000 |
| Total | 626,595 | 417,545 | 610,293 | 645,280 | 673,361 | 642,691 | 656,093 | 538,901 | 655,987 | 762,166 | 578,889 | 407,478 | 7,215,280 |
| OUTFLOW | | | | | | | | | | | | | |
| Qex | 199,470 | 212,978 | 350,085 | 369,413 | 421,781 | 404,850 | 380,674 | 358,381 | 313,470 | 317,961 | 237,145 | 202,790 | 3,768,997 |
| Sr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CUd | 1,936 | 1,800 | 2,083 | 1,995 | 2,509 | 2,716 | 2,864 | 2,908 | 2,608 | 2,619 | 2,469 | 2,112 | 28,618 |
| ETcrop | 22,193 | 17,678 | 27,036 | 35,962 | 46,073 | 42,991 | 42,199 | 39,677 | 23,566 | 28,768 | 22,891 | 22,046 | 371,081 |
| ETpht | 1,497 | 1,687 | 2,874 | 4,897 | 8,781 | 10,839 | 10,738 | 9,964 | 7,554 | 4,799 | 1,948 | 1,574 | 67,150 |
| E | 212 | 231 | 362 | 328 | 653 | 758 | 749 | 689 | 519 | 432 | 211 | 185 | 5,330 |
| Qds | 427,619 | 185,902 | 218,785 | 224,494 | 188,630 | 181,853 | 219,186 | 135,179 | 283,633 | 393,454 | 325,852 | 192,036 | 2,976,626 |
| Total | 652,928 | 420,275 | 601,226 | 637,089 | 668,426 | 644,008 | 656,411 | 546,798 | 631,351 | 748,033 | 590,516 | 420,743 | 7,217,802 |
| (INFLOW -OUTFLOW) | | | | | | | | | | | | | |
| | (26,332) | (2,731) | 9,068 | 8,191 | 4,935 | (1,316) | (317) | (7,898) | 24,637 | 14,133 | (11,626) | (13,265) | (2,522) |

Inflow
 Qus Flow @ Upstream Boundary
 Trm Measured Tributary Inflow
 Trum Unmeasured Measured Tributary Inflow

Outflow
 Qex Export Flow
 Sr Change in Reservoir Storage
 Sa Change in Aquifer Storage
 CUd Domestic, Municipal & Industrial Use
 ETcrop Crop Evapotranspiration
 ETpht Phreatophyte Evapotranspiration
 E Open-Water Evaporation
 Qds Flow @ Downstream Boundary

(Sheet to calculate outflow components Qex, Sr, and Sa)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|--|----------|--------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|-----------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| Qex, Flow Exported | | | | | | | | | | | | | |
| Total | 199470 | 212978 | 350085 | 369413 | 421781 | 404850 | 380674 | 358381 | 313470 | 317961 | 237145 | 202790 | 3,768,997 |
| Station | from USGS Arizona District database and USBR AVM Records (see data files imp2mex.wk4, 99wmavm.wk4, dwwell99.wk4, & lcrass99.wk4) | | | | | | | | | | | | |
| AAC Sta 1117* | 182200 | 191900 | 316700 | 339700 | 377500 | 362100 | 345400 | 328500 | 283400 | 290700 | 216600 | 183500 | 3,418,200 |
| Wellton-Mohawk (AVM) | 16044 | 20801 | 33078 | 29415 | 43974 | 42452 | 34967 | 29685 | 30065 | 27261 | 20545 | 19121 | 347,407 |
| DPOC 1, 2, & 3 and DW-1 7, & 9 discharge into MODE | 1226 | 277 | 307 | 298 | 307 | 298 | 307 | 196 | 5 | 0 | 0 | 169 | 3,390 |

* - All-American Canal downstream of the Pilot Knob Wasteway

Sr, Change in Reservoir Storage (End of Month (EOM) contents - Beginning of Month (BOM) contents)

| | | | | | | | | | | | | | |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reservoir | | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| EOM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BOM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ----- | | | | | | | | | | | | | |
| EOM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BOM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Sa, Change in Aquifer Storage

| | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Station | | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1999 CUd OUTFLOW COMPONENT

(Sheet to calculate the outflow component CUd)

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---|-----------------------------------|----------|--------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|--------|
| (All values in acre-feet) | | | | | | | | | | | | | |
| CUd, Domestic, Municipal and Industrial Use | | | | | | | | | | | | | |
| Total | 1936 | 1800 | 2083 | 1995 | 2509 | 2716 | 2864 | 2908 | 2608 | 2619 | 2469 | 2112 | 28,618 |
| Consumptive Use (estimated as 60% of diversion unless otherwise noted. Per Domestic Water Use Study of Boulder City NV 1988-1992, see file bcwater.wk1) | | | | | | | | | | | | | |
| Yuma (City), AZ (1) | 1074.0 | 936.0 | 1186.0 | 1102.0 | 1567.0 | 1759.0 | 1889.0 | 1939.0 | 1668.0 | 1703.0 | 1581.0 | 1259.0 | 17,663 |
| Yuma Proving Ground AZ (2) | 38.9 | 38.9 | 38.9 | 38.9 | 47.3 | 38.9 | 42.5 | 38.9 | 38.9 | 39.5 | 43.7 | 38.9 | 484 |
| Winterhaven, CA (3) | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 74 |
| Marine Corps Air Sta AZ | 40.8 | 39.5 | 74.0 | 69.9 | 107.9 | 130.2 | 139.8 | 134.4 | 107.4 | 87.0 | 59.4 | 31.2 | 1,022 |
| Southern Pacific RR, AZ | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 29 |
| Yuma Mesa Fruit Grw AZ | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 7 |
| Yuma Union HS, AZ | 4.8 | 7.2 | 6.6 | 6.0 | 8.4 | 9.6 | 15.0 | 18.0 | 15.6 | 11.4 | 6.6 | 5.4 | 115 |
| Yuma AO, USBR, AZ (4) | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 968 |
| Site7YuccaPower AZ (5) | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 775 |
| Cocopah Bend RV Park, AZ (6) | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 204 |
| Somerton, AZ (7) | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 720 |
| Gadsden, AZ (8) | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 |
| San Luis, AZ (9) | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 1,500 |
| Prison, AZ (10) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 12 |
| East Cocopah Bingo, AZ | ***** (Unreported for 1999) ***** | | | | | | | | | | | | 0 |
| ----- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(1) - Monthly measured diversions minus measured returns

in the Gila Gravity Main Canal

(3) - Per USGS AZ District records; reported annual total only

(4) - Reported pumpage from Test Train & DW-8 wells; no return flow credits; all consumptive use with most used as cooling water discharged into Bypass Drain to Slough.

(5) - Per USGS AZ District records; Consumptive use is reported diversion with no return flow credits. Plant cooling water discharges into Bypass drain, not available to downstream Users.

(6) - Per USGS AZ District records; reported annual total only

(7) - Based on reported pumpage of 1,200 AF/yr., with return flow discharged into the West Main Canal and accounted for with the delivery to Mexico at the Southern International Boundary

(8) - Based on a reported pumpage of 40 AF/yr. with a consumptive use estimate of 60%

(9) - Based on a reported pumpage of 1,500 AF/yr., with return flow discharged into the Bypass Drain and unavailable to downstream Users

(10) - Based on a reported pumpage of 20 AF/yr. with a consumptive use estimate of 60%

| Use estimated with | | 0.0116667 | | | | | | | | | | | | 0.14 | |
|--------------------------------------|------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Per-capita use rates | | 0.0116667 | | | | | | | | | | | | 0.14 | |
| 0.14 ac-ft per year (see Note below) | | | | | | | | | | | | | | | |
| City Name | | | | | | | | | | | | | | | |
| Yuma (County), AZ | population | 34241 | 34241 | 34241 | 34241 | 34241 | 34241 | 34241 | 34241 | 34241 | 34241 | 34241 | 34241 | 34241 | |
| | CU | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 4794 |
| Bard, CA | | 1532 | 1532 | 1532 | 1532 | 1532 | 1532 | 1532 | 1532 | 1532 | 1532 | 1532 | 1532 | 1532 | |
| | CU | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 214 |
| East Cocopah Indian Res.,AZ* | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| | CU | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 14 |
| ----- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| ----- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| ----- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| ----- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| ----- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| ----- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| ----- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |

* - Estimated Population

Note - See text of 1997 LCRAS Report, "Domestic Use" section

1999 E and Qds OUTFLOW COMPONENTS, and SEE of Qds

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|--|----------|--------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|-----------|
| Total | 427619 | 185902 | 218785 | 224494 | 188630 | 181853 | 219186 | 135179 | 283633 | 393454 | 325852 | 192036 | 2,976,626 |
| Station | (from International Boundary & Water Commission reports) | | | | | | | | | | | | |
| Colo. R. at NIB (1) | 408900 | 169700 | 201800 | 207400 | 169600 | 164900 | 202200 | 118600 | 265200 | 372200 | 305700 | 173500 | 2,759,700 |
| 11 Mile Wasteway | 281 | 158 | 246 | 161 | 367 | 467 | 342 | 450 | 735 | 549 | 569 | 452 | 4,777 |
| Cooper Wasteway | 161 | 143 | 53 | 29 | 69 | 50 | 16 | 21 | 85 | 191 | 82 | 103 | 1,003 |
| 21 Mile Wasteway | 339 | 0 | 0 | 95 | 8 | 0 | 14 | 20 | 29 | 282 | 823 | 172 | 1,782 |
| Main Drain (inc. 242) | 9663 | 7961 | 8421 | 8585 | 10028 | 8468 | 8520 | 7895 | 9579 | 12160 | 11184 | 9856 | 112,320 |
| W. Main Canal Drain | 538 | 547 | 695 | 830 | 1171 | 739 | 596 | 751 | 914 | 670 | 152 | 542 | 8,145 |
| E. Main Canal Drain | 867 | 523 | 700 | 524 | 517 | 359 | 628 | 572 | 221 | 532 | 472 | 541 | 6,456 |
| Underflow to Mexico (2) | 6870 | 6870 | 6870 | 6870 | 6870 | 6870 | 6870 | 6870 | 6870 | 6870 | 6870 | 6870 | 82,443 |

(1) - From USGS Arizona District database

(2) - Based on estimates from a Particle Traking Study conducted by W. Greer of Reclamation's Yuma Area Office, see Attachment 5 of this report

E, Open-Water Evaporation (Surface Evaporation= acres * ((evaporation - precipitation)/12)))

| Total | 212 | 231 | 362 | 328 | 653 | 758 | 749 | 689 | 519 | 432 | 211 | 185 | 5,330 |
|--|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| (need to set each 'lake' for the proper weather station for precipitation) | | | | | | | | | | | | | |
| Lake** | | | | | | | | | | | | | |
| Colo R 1 | acres | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 |
| | Ac-ft | 52 | 57 | 89 | 81 | 161 | 187 | 184 | 170 | 128 | 106 | 52 | 46 |
| Colo R 2 | acres | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 |
| | Ac-ft | 55 | 60 | 94 | 85 | 170 | 197 | 195 | 179 | 135 | 112 | 55 | 48 |
| Mittry Lake | acres | 510 | 510 | 510 | 510 | 510 | 510 | 510 | 510 | 510 | 510 | 510 | 510 |
| | Ac-ft | 105 | 114 | 179 | 162 | 323 | 375 | 370 | 341 | 257 | 214 | 104 | 92 |
| ----- | acres | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ac-ft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

** - Colo R1 is Colorado River reach from Imperial Dam to confluence with Gila River; Colo R2 is Colorado River reach from the Gila River confluence to the Southerly International Boundary

Evaporation coefficient, monthly (From Jensen 1999)

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.73 | 0.85 | 0.78 | 0.75 | 0.87 | 0.92 | 0.97 | 0.92 | 0.84 | 0.81 | 0.68 | 0.60 |
|------|------|------|------|------|------|------|------|------|------|------|------|

Reference ET, inches (THESE VALUES FROM ANOTHER WORKSHEET)

| | | | | | | | | | | | | | |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Yuma Area (averaged) | 3.38 | 3.80 | 5.40 | 6.56 | 8.73 | 9.61 | 9.50 | 8.88 | 7.43 | 6.21 | 3.60 | 3.59 | 76.67 |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Evaporation, inches (Evaporation = Reference ET * Evaporation coefficient) | | | | | | | | | | | | | |
| Yuma Area | 2.46 | 3.23 | 4.21 | 4.92 | 7.59 | 8.84 | 9.22 | 8.17 | 6.24 | 5.03 | 2.45 | 2.16 | 64.51 |
| Precipitation, inches | (THESE VALUES FROM ANOTHER WORKSHEET) | | | | | | | | | | | | |
| Yuma Area (averaged) | 0.00 | 0.54 | 0.00 | 1.11 | 0.00 | 0.02 | 0.51 | 0.15 | 0.20 | 0.00 | 0.00 | 0.00 | 2.53 |

| | January | February | March | April | May | June | July | August | September | October | November | December |
|--|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|
| Desert Lawn Memorial, AZ Acreages (acres) | | | | | | | | | | | | |
| Total Agricultural Acres * | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 |
| Alfalfa-perennial | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alfalfa-annual | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alfalfa-seed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cotton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small Grain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Field Grain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lettuce-early | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lettuce-late | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Melons-spring | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Melons-fall | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bermuda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bermuda w/ rye | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 |
| Citrus-young | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Citrus-mature | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Citrus-declining | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tomatoes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sudan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Legume/Solanum Veg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crucifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Safflower | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small Vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Root Vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perennial Vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sugar Beets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grapes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

* - Static, year to year acreage for cemetery park, unless size of park changes. Bermuda overseeded with rye grass in winter.

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], AZ & Homesteads)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 1 | 2 | 4 | 6 | 7 | 6 | 6 | 5 | 2 | 1 | 1 | 41 |
| Barren | 101 | 114 | 130 | 100 | 129 | 142 | 141 | 131 | 110 | 100 | 82 | 109 | 1389 |
| Sc-low | 3 | 3 | 4 | 9 | 24 | 35 | 34 | 32 | 26 | 17 | 6 | 3 | 197 |
| Sc-high | 7 | 8 | 22 | 47 | 86 | 100 | 99 | 90 | 59 | 34 | 10 | 7 | 567 |
| Sc/ms | 9 | 10 | 17 | 37 | 71 | 89 | 88 | 82 | 59 | 37 | 14 | 9 | 522 |
| Sc/aw | 1 | 1 | 2 | 5 | 9 | 12 | 11 | 11 | 8 | 5 | 2 | 1 | 69 |
| Sc/ms/aw | 0 | 0 | 1 | 2 | 3 | 4 | 4 | 4 | 3 | 2 | 1 | 0 | 23 |
| Ms-low | 6 | 6 | 9 | 16 | 28 | 38 | 38 | 36 | 30 | 23 | 9 | 6 | 244 |
| Ms-high | 2 | 3 | 4 | 8 | 15 | 20 | 20 | 18 | 15 | 11 | 4 | 3 | 123 |
| Ms/aw | 1 | 1 | 2 | 4 | 8 | 10 | 10 | 9 | 8 | 5 | 2 | 1 | 61 |
| Aw | 3 | 3 | 6 | 11 | 20 | 25 | 25 | 23 | 16 | 10 | 4 | 3 | 149 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 10 | 11 | 18 | 33 | 59 | 72 | 71 | 66 | 49 | 32 | 13 | 10 | 443 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] Mittry State Wildlife Area [SWA] & YPG, AZ)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 1 | 1 | 6 | 11 | 14 | 16 | 16 | 15 | 12 | 5 | 1 | 1 | 100 |
| Barren | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Sc-low | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 1 | 0 | 19 |
| Sc-high | 5 | 6 | 16 | 34 | 63 | 73 | 72 | 66 | 43 | 24 | 7 | 5 | 414 |
| Sc/ms | 2 | 2 | 4 | 8 | 15 | 19 | 19 | 18 | 13 | 8 | 3 | 2 | 113 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 1 | 1 | 2 | 3 | 5 | 7 | 7 | 6 | 5 | 4 | 2 | 1 | 43 |
| Ms-high | 1 | 1 | 2 | 3 | 6 | 7 | 7 | 7 | 6 | 4 | 2 | 1 | 44 |
| Ms/aw | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 11 |
| Aw | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 8 | 6 | 4 | 1 | 1 | 55 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 1 | 1 | 1 | 2 | 4 | 4 | 4 | 4 | 3 | 2 | 1 | 1 | 27 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 20 | 23 | 98 | 185 | 246 | 270 | 267 | 250 | 207 | 88 | 22 | 22 | 1698 |
| Barren | 130 | 146 | 166 | 128 | 165 | 182 | 180 | 168 | 141 | 128 | 105 | 139 | 1778 |
| Sc-low | 34 | 38 | 55 | 110 | 295 | 425 | 421 | 393 | 325 | 212 | 75 | 37 | 2419 |
| Sc-high | 15 | 17 | 47 | 102 | 187 | 218 | 216 | 197 | 129 | 73 | 22 | 15 | 1238 |
| Sc/ms | 28 | 31 | 54 | 116 | 223 | 279 | 276 | 258 | 186 | 116 | 44 | 28 | 1639 |
| Sc/aw | 13 | 15 | 25 | 52 | 99 | 124 | 123 | 115 | 89 | 55 | 21 | 13 | 744 |
| Sc/ms/aw | 6 | 6 | 11 | 23 | 44 | 55 | 55 | 51 | 41 | 26 | 10 | 6 | 335 |
| Ms-low | 12 | 14 | 20 | 34 | 61 | 82 | 82 | 77 | 64 | 49 | 19 | 12 | 525 |
| Ms-high | 4 | 4 | 7 | 14 | 26 | 34 | 33 | 31 | 26 | 18 | 7 | 4 | 209 |
| Ms/aw | 4 | 4 | 7 | 13 | 24 | 32 | 32 | 30 | 24 | 16 | 6 | 4 | 198 |
| Aw | 24 | 27 | 48 | 92 | 167 | 206 | 203 | 186 | 128 | 79 | 30 | 24 | 1214 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 20 | 22 | 39 | 70 | 123 | 151 | 149 | 139 | 103 | 67 | 27 | 20 | 931 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Bard Unit, CA)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 21 |
| Sc-low | 2 | 3 | 4 | 7 | 20 | 28 | 28 | 26 | 22 | 14 | 5 | 2 | 162 |
| Sc-high | 3 | 4 | 10 | 22 | 40 | 47 | 46 | 42 | 28 | 16 | 5 | 3 | 265 |
| Sc/ms | 3 | 3 | 6 | 12 | 23 | 29 | 29 | 27 | 20 | 12 | 5 | 3 | 172 |
| Sc/aw | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 55 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-high | 1 | 2 | 3 | 5 | 10 | 13 | 13 | 12 | 10 | 7 | 3 | 2 | 79 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Indian Unit, CA)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 11 | 12 | 14 | 11 | 14 | 15 | 15 | 14 | 12 | 11 | 9 | 12 | 147 |
| Sc-low | 3 | 3 | 4 | 8 | 22 | 31 | 31 | 29 | 24 | 16 | 6 | 3 | 179 |
| Sc-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Sc/ms | 1 | 1 | 2 | 3 | 7 | 8 | 8 | 8 | 5 | 3 | 1 | 1 | 48 |
| Sc/aw | 1 | 1 | 2 | 3 | 6 | 8 | 8 | 7 | 6 | 3 | 1 | 1 | 46 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 2 | 2 | 4 | 6 | 11 | 14 | 14 | 13 | 9 | 6 | 2 | 2 | 85 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] & Yuma Proving Ground [YPG], CA)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 1 | 1 | 4 | 7 | 9 | 10 | 10 | 10 | 8 | 3 | 1 | 1 | 65 |
| Barren | 6 | 7 | 8 | 6 | 8 | 9 | 9 | 8 | 7 | 6 | 5 | 7 | 88 |
| Sc-low | 2 | 2 | 3 | 5 | 14 | 20 | 20 | 19 | 15 | 10 | 4 | 2 | 115 |
| Sc-high | 3 | 3 | 9 | 19 | 34 | 40 | 39 | 36 | 24 | 13 | 4 | 3 | 226 |
| Sc/ms | 2 | 2 | 4 | 8 | 16 | 19 | 19 | 18 | 13 | 8 | 3 | 2 | 114 |
| Sc/aw | 1 | 2 | 3 | 6 | 11 | 13 | 13 | 12 | 9 | 6 | 2 | 1 | 79 |
| Sc/ms/aw | 1 | 1 | 2 | 3 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | 1 | 45 |
| Ms-low | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 10 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 1 | 1 | 2 | 3 | 4 | 4 | 4 | 3 | 2 | 1 | 0 | 24 |
| Aw | 0 | 0 | 1 | 1 | 3 | 3 | 3 | 3 | 2 | 1 | 0 | 0 | 19 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 1 | 1 | 2 | 3 | 5 | 6 | 6 | 6 | 4 | 3 | 1 | 1 | 38 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 18 | 20 | 86 | 163 | 216 | 238 | 236 | 220 | 182 | 78 | 19 | 19 | 1496 |
| Barren | 21 | 23 | 27 | 20 | 26 | 29 | 29 | 27 | 22 | 20 | 17 | 22 | 284 |
| Sc-low | 10 | 12 | 17 | 34 | 91 | 130 | 129 | 121 | 100 | 65 | 23 | 11 | 742 |
| Sc-high | 9 | 10 | 29 | 63 | 116 | 135 | 133 | 122 | 80 | 45 | 14 | 9 | 765 |
| Sc/ms | 10 | 11 | 19 | 41 | 79 | 100 | 98 | 92 | 66 | 41 | 16 | 10 | 584 |
| Sc/aw | 5 | 5 | 9 | 19 | 35 | 44 | 44 | 41 | 32 | 20 | 7 | 5 | 265 |
| Sc/ms/aw | 4 | 5 | 8 | 17 | 32 | 39 | 39 | 36 | 30 | 19 | 7 | 4 | 239 |
| Ms-low | 5 | 6 | 8 | 14 | 26 | 35 | 35 | 33 | 27 | 21 | 8 | 5 | 224 |
| Ms-high | 2 | 3 | 4 | 9 | 16 | 21 | 21 | 19 | 16 | 11 | 4 | 3 | 129 |
| Ms/aw | 5 | 5 | 9 | 17 | 31 | 41 | 40 | 38 | 31 | 20 | 8 | 5 | 248 |
| Aw | 8 | 9 | 17 | 32 | 58 | 72 | 71 | 65 | 44 | 28 | 10 | 8 | 423 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 6 | 6 | 11 | 20 | 35 | 43 | 43 | 40 | 29 | 19 | 8 | 6 | 268 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 11 | 13 | 54 | 102 | 135 | 149 | 147 | 137 | 114 | 48 | 12 | 12 | 934 |
| Barren | 5 | 5 | 6 | 5 | 6 | 7 | 7 | 6 | 5 | 5 | 4 | 5 | 65 |
| Sc-low | 12 | 14 | 19 | 39 | 105 | 151 | 150 | 140 | 116 | 75 | 27 | 13 | 862 |
| Sc-high | 32 | 37 | 103 | 220 | 406 | 472 | 467 | 426 | 280 | 159 | 48 | 33 | 2684 |
| Sc/ms | 20 | 23 | 40 | 86 | 165 | 206 | 204 | 190 | 138 | 86 | 32 | 21 | 1212 |
| Sc/aw | 14 | 16 | 28 | 58 | 110 | 137 | 136 | 127 | 98 | 61 | 23 | 15 | 824 |
| Sc/ms/aw | 5 | 6 | 11 | 22 | 42 | 52 | 52 | 48 | 39 | 25 | 9 | 6 | 319 |
| Ms-low | 15 | 17 | 25 | 42 | 75 | 101 | 102 | 95 | 79 | 60 | 23 | 15 | 649 |
| Ms-high | 4 | 5 | 8 | 15 | 28 | 37 | 36 | 34 | 28 | 20 | 8 | 5 | 227 |
| Ms/aw | 15 | 16 | 27 | 51 | 93 | 123 | 122 | 114 | 93 | 60 | 23 | 15 | 752 |
| Aw | 23 | 25 | 46 | 87 | 158 | 194 | 192 | 176 | 121 | 75 | 28 | 23 | 1148 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 4 | 5 | 8 | 14 | 25 | 31 | 31 | 29 | 21 | 14 | 6 | 4 | 192 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 4 | 4 | 5 | 3 | 5 | 5 | 5 | 5 | 4 | 4 | 3 | 4 | 49 |
| Sc-low | 4 | 5 | 7 | 14 | 38 | 54 | 54 | 50 | 41 | 27 | 10 | 5 | 308 |
| Sc-high | 1 | 1 | 3 | 7 | 13 | 15 | 15 | 13 | 9 | 5 | 2 | 1 | 84 |
| Sc/ms | 2 | 2 | 4 | 8 | 16 | 20 | 19 | 18 | 13 | 8 | 3 | 2 | 115 |
| Sc/aw | 0 | 0 | 1 | 2 | 3 | 4 | 4 | 4 | 3 | 2 | 1 | 0 | 23 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 3 | 3 | 5 | 10 | 17 | 21 | 21 | 20 | 14 | 9 | 4 | 3 | 131 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 4 | 5 | 6 | 4 | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 5 | 60 |
| Sc-low | 2 | 2 | 3 | 6 | 16 | 23 | 22 | 21 | 17 | 11 | 4 | 2 | 129 |
| Sc-high | 1 | 1 | 2 | 4 | 7 | 9 | 8 | 8 | 5 | 3 | 1 | 1 | 48 |
| Sc/ms | 3 | 3 | 6 | 12 | 24 | 30 | 30 | 28 | 20 | 12 | 5 | 3 | 175 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 1 | 1 | 1 | 3 | 6 | 7 | 7 | 7 | 5 | 3 | 1 | 1 | 43 |
| Ms-low | 1 | 1 | 2 | 3 | 6 | 8 | 8 | 7 | 6 | 5 | 2 | 1 | 51 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 2 | 3 | 4 | 8 | 14 | 19 | 19 | 18 | 14 | 9 | 4 | 2 | 117 |
| Aw | 2 | 2 | 4 | 7 | 12 | 15 | 15 | 14 | 10 | 6 | 2 | 2 | 91 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 2 | 3 | 4 | 8 | 14 | 17 | 17 | 16 | 12 | 8 | 3 | 2 | 107 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 21 |
| Sc-low | 0 | 0 | 0 | 1 | 3 | 4 | 4 | 4 | 3 | 2 | 1 | 0 | 22 |
| Sc-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 14 |
| Sc/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sc/ms/aw | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 14 |
| Ms-low | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 1 | 1 | 2 | 4 | 6 | 8 | 8 | 7 | 5 | 3 | 1 | 1 | 48 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

1999 TOTAL DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 8 | 9 | 38 | 71 | 95 | 104 | 103 | 96 | 80 | 34 | 8 | 8 | 654 |
| Barren | 63 | 71 | 81 | 62 | 81 | 89 | 88 | 82 | 69 | 63 | 51 | 68 | 869 |
| Sc-low | 16 | 18 | 26 | 53 | 141 | 203 | 201 | 188 | 155 | 101 | 36 | 18 | 1156 |
| Sc-high | 14 | 15 | 43 | 93 | 171 | 199 | 197 | 179 | 118 | 67 | 20 | 14 | 1129 |
| Sc/ms | 36 | 40 | 71 | 152 | 291 | 364 | 360 | 336 | 243 | 151 | 57 | 37 | 2138 |
| Sc/aw | 7 | 8 | 15 | 30 | 58 | 72 | 71 | 67 | 52 | 32 | 12 | 8 | 432 |
| Sc/ms/aw | 4 | 4 | 7 | 15 | 28 | 35 | 34 | 32 | 26 | 17 | 6 | 4 | 211 |
| Ms-low | 6 | 7 | 10 | 18 | 32 | 42 | 43 | 40 | 33 | 25 | 10 | 6 | 273 |
| Ms-high | 8 | 9 | 15 | 30 | 55 | 70 | 70 | 65 | 54 | 38 | 15 | 9 | 439 |
| Ms/aw | 10 | 11 | 18 | 34 | 61 | 81 | 81 | 75 | 61 | 40 | 15 | 10 | 496 |
| Aw | 5 | 5 | 10 | 19 | 34 | 42 | 41 | 38 | 26 | 16 | 6 | 5 | 246 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 13 | 15 | 25 | 46 | 81 | 99 | 98 | 91 | 67 | 44 | 18 | 13 | 609 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 1 | 1 | 3 | 5 | 7 | 8 | 8 | 7 | 6 | 3 | 1 | 1 | 50 |
| Barren | 66 | 75 | 85 | 66 | 85 | 93 | 92 | 86 | 72 | 66 | 54 | 71 | 912 |
| Sc-low | 7 | 8 | 12 | 24 | 63 | 91 | 90 | 84 | 69 | 45 | 16 | 8 | 516 |
| Sc-high | 7 | 8 | 22 | 48 | 88 | 102 | 101 | 92 | 61 | 34 | 10 | 7 | 580 |
| Sc/ms | 7 | 8 | 13 | 28 | 54 | 68 | 67 | 62 | 45 | 28 | 11 | 7 | 396 |
| Sc/aw | 4 | 4 | 7 | 16 | 29 | 37 | 36 | 34 | 26 | 16 | 6 | 4 | 221 |
| Sc/ms/aw | 0 | 0 | 1 | 1 | 2 | 3 | 3 | 3 | 2 | 1 | 1 | 0 | 18 |
| Ms-low | 5 | 5 | 8 | 14 | 25 | 33 | 33 | 31 | 26 | 20 | 8 | 5 | 212 |
| Ms-high | 3 | 3 | 6 | 11 | 20 | 26 | 26 | 24 | 20 | 14 | 6 | 3 | 164 |
| Ms/aw | 5 | 5 | 9 | 16 | 30 | 39 | 39 | 37 | 30 | 19 | 7 | 5 | 241 |
| Aw | 5 | 6 | 11 | 21 | 38 | 47 | 46 | 42 | 29 | 18 | 7 | 5 | 275 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 11 | 13 | 22 | 39 | 69 | 84 | 83 | 78 | 57 | 37 | 15 | 11 | 520 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

1999 TOTAL DIVERTER ET

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 1 | 1 | 5 | 9 | 11 | 12 | 12 | 12 | 10 | 4 | 1 | 1 | 78 |
| Barren | 35 | 40 | 45 | 35 | 45 | 49 | 49 | 46 | 38 | 35 | 29 | 38 | 483 |
| Sc-low | 4 | 4 | 6 | 12 | 31 | 45 | 45 | 42 | 34 | 22 | 8 | 4 | 257 |
| Sc-high | 3 | 4 | 10 | 22 | 41 | 48 | 48 | 43 | 29 | 16 | 5 | 3 | 274 |
| Sc/ms | 2 | 2 | 4 | 8 | 15 | 19 | 19 | 18 | 13 | 8 | 3 | 2 | 112 |
| Sc/aw | 3 | 3 | 5 | 10 | 20 | 25 | 24 | 23 | 18 | 11 | 4 | 3 | 148 |
| Sc/ms/aw | 2 | 2 | 4 | 9 | 16 | 21 | 20 | 19 | 15 | 10 | 4 | 2 | 124 |
| Ms-low | 7 | 8 | 12 | 21 | 37 | 49 | 50 | 47 | 39 | 30 | 11 | 7 | 318 |
| Ms-high | 4 | 5 | 8 | 16 | 30 | 38 | 38 | 36 | 30 | 21 | 8 | 5 | 239 |
| Ms/aw | 2 | 2 | 4 | 7 | 12 | 16 | 16 | 15 | 12 | 8 | 3 | 2 | 100 |
| Aw | 4 | 4 | 8 | 15 | 27 | 33 | 32 | 30 | 20 | 13 | 5 | 4 | 194 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 2 | 2 | 4 | 7 | 13 | 15 | 15 | 14 | 10 | 7 | 3 | 2 | 95 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 1 | 0 | 0 | 19 |
| Barren | 41 | 46 | 52 | 40 | 52 | 57 | 56 | 53 | 44 | 40 | 33 | 44 | 558 |
| Sc-low | 16 | 18 | 25 | 51 | 137 | 198 | 196 | 183 | 151 | 99 | 35 | 17 | 1127 |
| Sc-high | 7 | 8 | 23 | 50 | 92 | 107 | 105 | 96 | 63 | 36 | 11 | 7 | 605 |
| Sc/ms | 14 | 16 | 28 | 59 | 114 | 143 | 141 | 132 | 95 | 59 | 22 | 14 | 838 |
| Sc/aw | 11 | 12 | 20 | 43 | 81 | 101 | 100 | 94 | 73 | 45 | 17 | 11 | 608 |
| Sc/ms/aw | 4 | 4 | 7 | 15 | 29 | 36 | 36 | 34 | 27 | 17 | 6 | 4 | 221 |
| Ms-low | 12 | 13 | 20 | 33 | 60 | 80 | 81 | 76 | 63 | 48 | 18 | 12 | 517 |
| Ms-high | 7 | 8 | 13 | 25 | 46 | 59 | 59 | 55 | 46 | 32 | 13 | 7 | 369 |
| Ms/aw | 4 | 4 | 7 | 13 | 23 | 30 | 30 | 28 | 23 | 15 | 6 | 4 | 184 |
| Aw | 6 | 7 | 12 | 23 | 41 | 50 | 50 | 46 | 31 | 19 | 7 | 6 | 297 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 12 | 14 | 24 | 43 | 76 | 93 | 92 | 85 | 63 | 41 | 17 | 12 | 572 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Barren | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 5 | 4 | 6 | 72 |
| Sc-low | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 13 |
| Sc-high | 1 | 1 | 3 | 6 | 12 | 14 | 13 | 12 | 8 | 5 | 1 | 1 | 77 |
| Sc/ms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Sc/aw | 0 | 0 | 1 | 2 | 3 | 4 | 4 | 4 | 3 | 2 | 1 | 0 | 25 |
| Sc/ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms-low | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 6 |
| Ms-high | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ms/aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 2 | 3 | 4 | 8 | 14 | 17 | 17 | 16 | 12 | 8 | 3 | 2 | 107 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Yuma Mesa Irrigation and Drainage District [IDD], AZ)

| | January | February | March | April | May | June | July | August | September | October | November | December |
|---------------------------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|
| Yuma Mesa IDD, AZ Acreages (acres) | | | | | | | | | | | | |
| Total Agricultural Acres* | 18241 | 18241 | 18241 | 18241 | 18241 | 18241 | 18241 | 18241 | 18241 | 18241 | 18241 | 18241 |
| Alfalfa-perennial | 6291 | 6291 | 6291 | 6291 | 6291 | 6291 | 6291 | 6291 | 6291 | 6291 | 6291 | 6291 |
| Alfalfa-annual | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alfalfa-seed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cotton | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| Small Grain | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| Field Grain | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| Lettuce-early | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| Lettuce-late | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 |
| Melons-spring | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| Melons-fall | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bermuda | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Bermuda w/ rye | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Citrus-young | 2799 | 2799 | 2799 | 2799 | 2799 | 2799 | 2799 | 2799 | 2799 | 2799 | 2799 | 2799 |
| Citrus-mature | 6744 | 6744 | 6744 | 6744 | 6744 | 6744 | 6744 | 6744 | 6744 | 6744 | 6744 | 6744 |
| Citrus-declining | 497 | 497 | 497 | 497 | 497 | 497 | 497 | 497 | 497 | 497 | 497 | 497 |
| Tomatoes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sudan | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 |
| Legume/Solanum Veg | 391 | 391 | 391 | 391 | 391 | 391 | 391 | 391 | 391 | 391 | 391 | 391 |
| Crucifers | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Dates | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Safflower | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Orchards | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Small Vegetables | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| Root Vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perennial Vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sugar Beets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grapes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

* - Acreage for sudan includes 60.7 acres of sugar cane

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], CA)

| (All values in acre-feet) | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|---------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| <u>Monthly ET values</u> | | | | | | | | | | | | | |
| Marsh | 4 | 4 | 18 | 34 | 46 | 50 | 50 | 46 | 38 | 16 | 4 | 4 | 315 |
| Barren | 33 | 38 | 43 | 33 | 43 | 47 | 46 | 43 | 36 | 33 | 27 | 36 | 458 |
| Sc-low | 9 | 10 | 14 | 29 | 78 | 112 | 111 | 103 | 85 | 56 | 20 | 10 | 636 |
| Sc-high | 46 | 52 | 147 | 314 | 579 | 674 | 666 | 608 | 399 | 226 | 69 | 47 | 3828 |
| Sc/ms | 22 | 24 | 42 | 91 | 174 | 218 | 216 | 201 | 146 | 90 | 34 | 22 | 1281 |
| Sc/aw | 6 | 7 | 12 | 25 | 47 | 59 | 59 | 55 | 42 | 26 | 10 | 6 | 355 |
| Sc/ms/aw | 3 | 3 | 5 | 10 | 20 | 25 | 24 | 23 | 19 | 12 | 4 | 3 | 150 |
| Ms-low | 5 | 5 | 8 | 13 | 24 | 33 | 33 | 31 | 26 | 19 | 7 | 5 | 209 |
| Ms-high | 5 | 5 | 9 | 18 | 33 | 42 | 41 | 39 | 32 | 23 | 9 | 5 | 261 |
| Ms/aw | 1 | 2 | 3 | 5 | 9 | 12 | 12 | 11 | 9 | 6 | 2 | 1 | 73 |
| Aw | 6 | 6 | 11 | 22 | 40 | 49 | 49 | 44 | 30 | 19 | 7 | 6 | 290 |
| Cw | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low Veg | 7 | 8 | 14 | 25 | 43 | 53 | 52 | 49 | 36 | 23 | 10 | 7 | 327 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|-------|
| Alfalfa-perennial | 2.46 | 3.36 | 4.34 | 4.60 | 6.71 | 7.71 | 7.72 | 7.38 | 5.66 | 6.11 | 2.68 | 3.52 | 62.24 |
| Alfalfa-annual | 1.21 | 2.10 | 3.20 | 2.35 | 5.22 | 5.60 | 3.38 | 5.31 | 5.26 | 6.11 | 2.68 | 3.52 | 45.95 |
| Alfalfa-seed | 1.86 | 3.65 | 4.03 | 5.36 | 8.90 | 5.74 | 9.75 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 40.78 |
| Cotton | 0.00 | 0.00 | 0.00 | 1.49 | 3.55 | 6.76 | 9.39 | 9.77 | 6.57 | 1.34 | 0.00 | 0.00 | 38.87 |
| Small Grain | 3.13 | 4.14 | 6.19 | 6.24 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 23.23 |
| Field Grain | 0.00 | 0.84 | 3.37 | 7.66 | 10.38 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| Lettuce-early | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 4.22 | 3.36 | 0.00 | 9.18 |
| Lettuce-late | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.62 | 6.48 |
| Melons-spring | 0.00 | 1.31 | 4.02 | 6.69 | 8.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| Melons-fall | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 5.42 | 3.62 | 3.17 | 15.50 |
| Bermuda | 0.00 | 0.00 | 0.00 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 0.32 | 0.00 | 0.00 | 40.42 |
| Bermuda w/ rye | 3.06 | 3.09 | 4.08 | 3.13 | 7.20 | 8.19 | 8.10 | 7.44 | 6.05 | 3.14 | 3.20 | 3.26 | 59.95 |
| Citrus-young | 1.41 | 1.30 | 2.08 | 2.41 | 3.07 | 3.29 | 3.25 | 3.04 | 2.60 | 2.32 | 1.44 | 1.53 | 27.73 |
| Citrus-mature | 2.35 | 2.32 | 3.46 | 4.02 | 5.11 | 5.48 | 5.42 | 5.06 | 4.33 | 3.87 | 2.40 | 2.55 | 46.37 |
| Citrus-declining | 1.64 | 1.56 | 2.42 | 2.82 | 3.58 | 3.83 | 3.79 | 3.54 | 3.03 | 2.71 | 1.68 | 1.79 | 32.39 |
| Tomatoes | 0.00 | 1.48 | 4.10 | 7.81 | 9.92 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 |
| Sudan | 0.00 | 0.00 | 0.00 | 1.95 | 8.28 | 10.70 | 10.59 | 9.71 | 0.00 | 0.00 | 0.00 | 0.00 | 41.23 |
| Legume/Solanum Veg | 3.57 | 3.75 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.63 | 3.47 | 15.49 |
| Crucifers | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 2.73 | 3.25 | 3.60 | 12.96 |
| Dates | 3.06 | 3.30 | 5.18 | 6.54 | 9.01 | 10.08 | 9.97 | 9.31 | 7.79 | 6.45 | 3.68 | 3.62 | 78.00 |
| Safflower | 0.00 | 1.19 | 4.05 | 7.88 | 10.94 | 10.33 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| Orchards | 1.35 | 1.31 | 2.82 | 4.65 | 7.33 | 8.15 | 8.06 | 7.53 | 6.30 | 5.26 | 2.98 | 2.33 | 58.07 |
| Small Vegetables | 3.38 | 3.59 | 5.34 | 5.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.33 | 2.75 | 22.95 |
| Root Vegetables | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.50 | 3.81 | 3.45 | 13.82 |
| Perennial Vegetables | 1.11 | 1.03 | 1.95 | 4.67 | 8.31 | 9.17 | 9.07 | 8.15 | 6.04 | 3.70 | 1.35 | 1.18 | 55.74 |
| Sugar Beets | 3.68 | 3.92 | 5.88 | 6.91 | 5.09 | 0.00 | 0.00 | 0.00 | 0.67 | 1.82 | 2.18 | 3.55 | 33.69 |
| Grapes | 0.00 | 0.26 | 1.55 | 4.27 | 7.37 | 8.16 | 7.68 | 5.65 | 1.98 | 0.00 | 0.00 | 0.00 | 36.93 |
| Marsh | 0.83 | 0.93 | 4.01 | 7.54 | 10.04 | 11.05 | 10.93 | 10.21 | 8.45 | 3.60 | 0.90 | 0.90 | 69.38 |
| Barren | 1.86 | 2.09 | 2.39 | 1.84 | 2.37 | 2.61 | 2.59 | 2.41 | 2.02 | 1.84 | 1.51 | 2.00 | 25.53 |
| Sc-low | 0.70 | 0.79 | 1.12 | 2.26 | 6.03 | 8.69 | 8.61 | 8.04 | 6.64 | 4.33 | 1.53 | 0.76 | 49.49 |
| Sc-high | 0.70 | 0.80 | 2.24 | 4.79 | 8.83 | 10.28 | 10.17 | 9.28 | 6.09 | 3.46 | 1.05 | 0.72 | 58.41 |
| Sc/ms | 1.06 | 1.20 | 2.09 | 4.48 | 8.59 | 10.76 | 10.64 | 9.93 | 7.19 | 4.46 | 1.68 | 1.09 | 63.17 |
| Sc/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.33 | 4.56 | 1.70 | 1.09 | 61.33 |
| Sc/ms/aw | 1.06 | 1.20 | 2.07 | 4.32 | 8.20 | 10.23 | 10.12 | 9.45 | 7.69 | 4.91 | 1.78 | 1.09 | 62.12 |
| Ms-low | 1.06 | 1.20 | 1.76 | 2.99 | 5.37 | 7.22 | 7.27 | 6.79 | 5.68 | 4.31 | 1.65 | 1.09 | 46.37 |
| Ms-high | 1.06 | 1.20 | 2.00 | 3.92 | 7.23 | 9.31 | 9.22 | 8.61 | 7.19 | 5.05 | 2.00 | 1.18 | 57.96 |
| Ms/aw | 1.06 | 1.20 | 1.97 | 3.74 | 6.81 | 8.99 | 8.96 | 8.37 | 6.82 | 4.42 | 1.67 | 1.09 | 55.10 |
| Aw | 1.06 | 1.20 | 2.15 | 4.11 | 7.44 | 9.16 | 9.06 | 8.29 | 5.68 | 3.51 | 1.32 | 1.08 | 54.07 |
| Cw | 1.06 | 1.20 | 2.19 | 4.33 | 7.93 | 9.80 | 9.69 | 8.87 | 6.04 | 3.69 | 1.35 | 1.08 | 57.23 |
| Low Veg | 1.06 | 1.20 | 2.06 | 3.74 | 6.57 | 8.02 | 7.94 | 7.40 | 5.46 | 3.55 | 1.46 | 1.08 | 49.54 |