

ALASKA CROP-WEATHER



Alaska Division of Agriculture
Alaska Cooperative Extension
Ag & Forestry Experiment Station

U.S. Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
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RELEASED: June 2, 2003

GENERAL: Planting continued across the state last week, with **6.0 days suitable for fieldwork**. Daytime high temperatures were in the low to mid-seventies. Lows were in the upper twenties to mid-thirties. Small to trace amounts of rain fell, but most areas could use more precipitation. **Topsoil moisture** supplies were reported as 30% short and 70% adequate. **Subsoil moisture** supplies were reported as 30% short, and 70% adequate. **Planting of barley** was 100% complete statewide, with 80% emerged. **Planting of oats** was 95% complete, and 35% emerged. **Planting of potatoes** was reported as 65% complete. **Vegetable** crops were 55% transplanted/seeded. **Condition of the hay crop** was 1% poor, 65% fair, 30% good, and 4% excellent. **Crop growth** was picking up from a week ago, with 24% slow, 75% moderate and 1% rapid. No **wind or rain damage** was reported.

| CROP WEATHER SUMMARY May 26 - June 1, 2003 | | |
|-----------------------------------------------|------------------|------------------|
| DAYS SUITABLE FOR FIELDWORK: | | |
| CROP | TOPSOIL MOISTURE | SUBSOIL MOISTURE |
| SHORT | 30 | 30 |
| ADEQUATE | 70 | 70 |
| SURPLUS | 0 | 0 |
| PAN EVAPORATION FOR 05/26-06/01 | | |
| MAT AES SITE: + 1.099 | | |

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 35% short, and 65% adequate. **Subsoil moisture supplies** were 35% short and 65% adequate. Planting of **barley** was 100% complete, with 80% emerged. Planting of **oats** was 100% complete, with 80% emerged. Planting of **potatoes** was 30% complete. **Crop growth** was reported as 35% slow, and 65% moderate. No **wind or rain damage** was reported. **Farm activities** for the week included working fallow, preparing new pastures, fertilizing hay acres, and planting small grains and potatoes.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture and subsoil moisture** were both 15% short and 85% adequate. Planting of **barley** was 95% complete, with 60% emerged. Planting of **oats** was 90% complete, with 50% emerged. **Potato** planting was 90% complete. **Vegetable** crops were 70% seeded/transplanted. **Crop growth** was reported as 5% slow, and 95% moderate. No **wind or rain damage** was reported. Major **farm activities** during the week included preparing irrigation lines, equipment repair, weed control, planting small grains, potatoes, grass and vegetables.

KENAI PENINSULA: An average of **6.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture supplies** were reported as 10% short and 90% adequate. Planting of potatoes was 30% complete. **Crop growth** was picking up with 10% slow, 80% moderate and 10% rapid. No **wind or rain damage** was reported. Major **farm activities** for the week included planting vegetables, perennials and annuals.

Soil Temperatures (F⁰) at 4 inch depth

| | <u>Grass</u> | | | <u>Fallow land</u> | | | <u>Temperature</u> | | <u>Precip (inches)</u> |
|------------------------|--------------|------|------|--------------------|------|------|--------------------|-----|------------------------|
| | 2003 | 2002 | 2001 | 2003 | 2002 | 2001 | High | Low | |
| UAF-AFES, Trunk Road | 52 | 53 | 56 | 53 | 56 | 53 | 70 | 35 | .06 |
| Sawmill Creek | 42 | na | 49 | na | na | na | 74 | 27 | T |
| Plant Materials Center | na | 51 | 58 | na | 49 | 57 | na | na | na |

PAN EVAPORATION

Pan evaporation is an indirect estimation of evapotranspiration or consumptive water use by plants. For purposes of watering or irrigation of plants, it is a good indicator of climatic effects on water use by crops. A positive reading indicates that evaporation exceeded precipitation.

Weather Summary For Alaska Agricultural Statistics Service

1. Prepared By AWIS, Inc.

For the Period: Monday May 26, 2003
 To: Sunday June 1, 2003

| STATION | LAST WEEK WEATHER SUMMARY | | | | | | May 1, 03 - June 1, 03 | | | | | GDD |
|-----------------|---------------------------|----|-----|---------------|-------|------|------------------------|-------|------|--------------|-----|------|
| | TEMPERATURE | | | PRECIPITATION | | | PRECIPITATION | | | GDD BASE 50F | | BASE |
| | HI | LO | AVG | DFN | TOTAL | DAYS | TOTAL | DFN | DAYS | TOTAL | DFN | TOT |
| Fairbanks Intl | 74 | 39 | 56 | +2 | 0.00 | 0 | 0.28 | -0.36 | 3 | 42 | -12 | 220 |
| Fairbanks/Eiels | 73 | 41 | 57 | +3 | 0.22 | 3 | 0.39 | -0.33 | 7 | 49 | -3 | 258 |
| Nenana Muni AM | 75 | 29 | 53 | -2 | 0.22 | 1 | 0.65 | +0.31 | 6 | 24 | -15 | 175 |
| Ftgreely/Allen | 70 | 38 | 55 | +2 | 0.00 | 0 | 0.33 | -0.49 | 7 | 34 | -37 | 185 |
| Healy_River_Air | 72 | 32 | 54 | +3 | 0.24 | 4 | 0.69 | -0.10 | 14 | 31 | +8 | 182 |
| Gulkana_Arpt_A | 68 | 27 | 50 | +2 | 0.46 | 2 | 0.84 | +0.21 | 10 | 9 | -6 | 136 |
| Sutton | 66 | 28 | 50 | +1 | 0.31 | 4 | 1.67 | +0.81 | 17 | 10 | -8 | 180 |
| Palmer Municipa | 68 | 36 | 53 | +2 | 0.06 | 4 | 0.93 | +0.24 | 14 | 30 | -8 | 273 |
| Talkeetna | 87 | 40 | 56 | +7 | 1.04 | 3 | 2.73 | +1.02 | 14 | 65 | +45 | 315 |
| Willow_Airport | 69 | 38 | 54 | +4 | 0.29 | 4 | 1.44 | +0.81 | 17 | 52 | +37 | 297 |
| Anchorage Intl | 69 | 39 | 53 | +3 | 0.02 | 2 | 0.74 | +0.01 | 8 | 28 | -1 | 256 |
| Kenai Municipal | 68 | 31 | 50 | +3 | 0.17 | 2 | 0.98 | +0.00 | 9 | 6 | -5 | 165 |
| Homer | 60 | 33 | 48 | +2 | 0.04 | 2 | 0.74 | -0.36 | 8 | 1 | -7 | 157 |
| Kodiak | 54 | 37 | 47 | +1 | 1.05 | 5 | 1.86 | -4.65 | 15 | 13 | +2 | 182 |

DFN = Departure From Normal (Using 1961-90 Normals Period).
 Precipitation (Rainfall or melted snow/ice) and Pan Evap in inches.
 Precipitation Days = Days with precip of .01 inch or more.
 Air Temperatures in Degrees Fahrenheit.

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 at www.awis.com or call toll free at 1-888-798-9955.

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