

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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GENERAL: There were **5.0 days suitable for fieldwork** statewide last week. Daytime high temperatures were in the sixties to eighties across most of the state. Lows were generally in the forties and fifties. **Topsoil moisture** supplies were reported as 20% short, 80% adequate. **Subsoil moisture** supplies were reported as 40% short, 60% adequate. The **barley** crop was reported as 10% turning color, compared with the five year average of 2%. Condition of the barley crop was reported as 10% poor, 60% fair, 30% good. The **oat** crop was 30% in dough. Condition of the oat crop was 10% poor, 45% fair, 45% good. **Potatoes** were reported as 40% in bloom. Condition of the potato crop was 5% poor, 15% fair, 65% good, 15% excellent. **First cutting hay** harvest was reported as 95% complete. Condition of the **hay** crop was 5% poor, 25% fair, 50% good, 20% excellent. **Range and pasture conditions** were reported as 5% poor, 15% fair, 50% good, 30% excellent.

| CROP WEATHER SUMMARY July 21 - July 27, 2003 | | |
|---|------------------|------------------|
| DAYS SUITABLE FOR FIELDWORK: 5.0 | | |
| CROP | TOPSOIL MOISTURE | SUBSOIL MOISTURE |
| SHORT | 20% | 40% |
| ADEQUATE | 80% | 60% |
| SURPLUS | 0% | 0% |
| PAN EVAPORATION FOR 07/21-07/27 | | |
| MAT AES SITE: +0.120 | | |

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 30% short, and 70% adequate. **Subsoil moisture supplies** were 50% short and 50% adequate. **Barley** was 10% turning color. The **oat** crop was 20% in dough. Condition of both the barley and oat crops was 10% poor, 60% fair, 30% good. **Potatoes** were reported as 10% in bloom. Condition of the potato crop was 10% poor, 20% fair, 50% good, 20% excellent. **First cutting hay** harvest was reported as 95% complete. Condition of the **hay** crop was 10% poor, 40% fair, 30% good, 20% excellent. **Range and pasture conditions** were reported as 10% poor, 30% fair, 30% good and 30% excellent. **Farm activities** for the week included harvesting and fertilizing hay, tilling summer fallow, removing berm rows and clearing land.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was 10% short, 90% adequate. **Subsoil moisture** was 35% short, 65% adequate. **Barley** was 50% turning color. The **oat** crop was just starting to turn color. Condition of both the barley and oat crops was 95% good, 5% excellent. **Potatoes** were reported as 55% in bloom. Condition of the potato crop was 10% fair, 80% good, 10% excellent. **First cutting hay** harvest was reported as 90% complete. Condition of the **hay** crop was 80% good, 20% excellent. **Range and pasture conditions** were reported as 5% fair, 70% good and 25% excellent. Major **farm activities** during the week included harvesting hay and vegetables, equipment repair, weed control, cultivating, and fertilizing.

KENAI PENINSULA: An average of **4.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture supplies** were reported as 15% short and 85% adequate. **Potatoes** were reported as 80% in bloom. Condition of the potato crop was 5% fair, 50% good, 45% excellent. **First cutting hay harvest** was 90% complete. Condition of the crop was listed at 5% poor, 50% fair, 45% good. **Range and pasture conditions** were reported as 10% fair, 50% good, 40% excellent. Major **farm activities** for the week included harvesting hay and vegetables, and fertilizing hay and pasture fields.

Soil Temperatures (F^o) 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 | na | 61 | 55 | na | 57 | 58 | 78 | 51 | 0.58 |
| Sawmill Creek | 54 | na | 60 | na | na | na | 86 | 38 | trace |
| Plant Materials Center | 58 | 61 | 63 | 55 | 58 | 60 | 73 | 49 | 0.29 |

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
 Prepared By AWIS, Inc.

For the Period: Monday July 21, 2003
 To: Sunday July 27, 2003

| STATION | LAST WEEK WEATHER SUMMARY | | | | | | May 1, 03 - July 27, 03 | | | | | GDD |
|-----------------|---------------------------|----|-----|---------------|-------|------|-------------------------|-------|------|--------------|------|------|
| | TEMPERATURE | | | PRECIPITATION | | | PRECIPITATION | | | GDD BASE 50F | | BASE |
| | HI | LO | AVG | DFN | TOTAL | DAYS | TOTAL | DFN | DAYS | TOTAL | DFN | TOT |
| Fairbanks Intl | 85 | 52 | 64 | +3 | 1.60 | 1 | 3.84 | +0.35 | 18 | 652 | -30 | 1386 |
| Fairbanks/Eiels | 84 | 50 | 64 | +4 | 0.34 | 2 | 3.46 | -0.88 | 30 | 692 | +51 | 1456 |
| Nenana Muni AM | 84 | 48 | 63 | +3 | 1.26 | 3 | 5.89 | +2.74 | 32 | 554 | -29 | 1251 |
| Ftgreely/Allen | 84 | 50 | 64 | +4 | 0.00 | 0 | 3.48 | -2.10 | 21 | 569 | -17 | 1265 |
| Healy River Air | 79 | 50 | 62 | +3 | 0.65 | 5 | 4.85 | -0.52 | 47 | 551 | +84 | 1246 |
| Gulkana Arpt_A | 82 | 47 | 58 | +2 | 0.10 | 2 | 2.56 | -1.15 | 24 | 384 | +80 | 1054 |
| Sutton | 74 | 50 | 58 | +1 | 0.64 | 6 | 5.44 | +1.20 | 51 | 379 | +73 | 1106 |
| Palmer Municipa | 77 | 50 | 59 | +1 | 0.38 | 5 | 2.77 | -0.98 | 34 | 489 | +76 | 1290 |
| Talkeetna | 78 | 55 | 63 | +5 | 0.97 | 5 | 10.94 | +4.14 | 41 | 741 | +319 | 1551 |
| Willow Airport | 77 | 55 | 62 | +3 | 0.47 | 6 | 4.63 | +1.46 | 49 | 642 | +251 | 1447 |
| Anchorage Intl | 74 | 54 | 61 | +3 | 0.20 | 4 | 2.38 | -0.79 | 28 | 530 | +128 | 1318 |
| Kenai Municipal | 69 | 50 | 59 | +3 | 0.34 | 4 | 4.16 | +0.65 | 31 | 311 | +100 | 1014 |
| Homer | 67 | 47 | 57 | +3 | 0.14 | 3 | 2.79 | -0.47 | 31 | 228 | +56 | 927 |
| Kodiak | 65 | 50 | 56 | +2 | 0.81 | 6 | 11.16 | -4.17 | 52 | 221 | +51 | 906 |

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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For detailed ag weather forecasts and data visit the AWIS home page
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