

ALASKA CROP-WEATHER



Alaska Division of Agriculture
Alaska Cooperative Extension

U.S. Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
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RELEASED: May 24, 2004

GENERAL: There were **6.0 days suitable for fieldwork** last week. Planting continued across the state. **Topsoil moisture** supplies were reported as 10% short, 80% adequate, 10% surplus. **Subsoil moisture** supplies were listed as 100% adequate. **Fieldwork progress** was reported as 2 days ahead to 4 days behind schedule. **Planting of barley** was reported as 75% complete, with 5% of the crop emerged. **Planting of oats** was listed as 65% complete and was also 5% emerged. **Planting of potatoes** was reported as 40% complete. **Range and pasture** condition was listed as 10% fair, 75% good, 15% excellent. **Condition of livestock** was listed as 5% fair, 80% good, 15% excellent. Farm activities for the week included planting small grains, potatoes and vegetables, fertilizing hay fields, weed control and irrigation.

| CROP WEATHER SUMMARY May 17 - May 23, 2004 | | |
|---|------------------|------------------|
| DAYS SUITABLE FOR FIELDWORK: 6.0 | | |
| CROP | TOPSOIL MOISTURE | SUBSOIL MOISTURE |
| SHORT | 10% | 0% |
| ADEQUATE | 80% | 100% |
| SURPLUS | 10% | 0% |
| PAN EVAPORATION FOR 05/17-05/23 MAT AES SITE: +0.770 | | |

TANANA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 80% adequate, 10% surplus. **Subsoil moisture supplies** were 100% adequate. **Planting of barley** was 75% complete, while **oats planted** was reported as 60% complete. **Planting of potatoes** was just underway with 10% of the crop reported as seeded. **Range and pasture** condition was 10% fair, 70% good, 20% excellent. **Livestock conditions** were listed as 10% fair, 70% good, 20% excellent. **Farm activities** for the week included seeding barley, oats and potatoes, and fertilizing hay ground.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 25% short, 70% adequate, 5% surplus. **Subsoil moisture supplies** were reported as 5% short, 95% adequate. **Planting of barley and oats** was nearing completion. Both crops were reported as 75% emerged. **Planting of potatoes** was reported 60% complete. **Range and pasture** condition was 95% good, 5% excellent. **Livestock conditions** were listed as 95% good, 5% excellent. Major **farm activities** during the week included irrigating, fertilizing hay fields and planting vegetable, potatoes and small grains.

KENAI PENINSULA: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was listed as 5% short, 95% adequate. **Subsoil moisture** was reported as 100% adequate. **Planting of potatoes** was just underway. **Range and pasture** condition was rated as 10% poor, 20% fair, 40% good, 30% excellent. **Livestock conditions** were listed as 10% poor, 20% fair, 50% good, 20% excellent. Major **farm activities** for the week included fertilizing and weed control of hay fields and pastures.

Soil Temperatures (F⁰) at 4 inch depth

| | Grass | | | Fallow land | | | Temperature | | Precip (inches) |
|------------------------|-------|------|------|-------------|------|------|-------------|-----|-----------------|
| | 2004 | 2003 | 2002 | 2004 | 2003 | 2002 | High | Low | |
| UAF-AFES, Trunk Road | 52 | 49 | 53 | 50 | 51 | 54 | 76 | 42 | 0.20 |
| Sawmill Creek | 43 | 37 | na | na | na | na | 69 | 30 | 0.12 |
| Plant Materials Center | 50 | 51 | 49 | 51 | 50 | 51 | na | na | na |

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 May 17, 2004
 To: Sunday May 23, 2004

| STATION | LAST WEEK WEATHER SUMMARY | | | | | | May 1, 04 - May 23, 04 GDD | | | | | |
|-----------------|---------------------------|----|-----|---------------|-------|------|----------------------------|-------|------|--------------|-----|-----|
| | TEMPERATURE | | | PRECIPITATION | | | PRECIPITATION | | | GDD BASE 50F | | |
| | HI | LO | AVG | DFN | TOTAL | DAYS | TOTAL | DFN | DAYS | TOTAL | DFN | TOT |
| Fairbanks Intl | 67 | 35 | 52 | +1 | 0.15 | 3 | 1.20 | +0.82 | 9 | 40 | +20 | 219 |
| Fairbanks/Eiels | 70 | 37 | 54 | +3 | 0.11 | 3 | 2.04 | +1.62 | 8 | 57 | +37 | 255 |
| Nenana Muni AM | 66 | 33 | 51 | +2 | 0.27 | 4 | 1.56 | +1.38 | 11 | 34 | +22 | 206 |
| Ftgreely/Allen | 66 | 35 | 51 | +2 | 0.09 | 2 | 1.22 | +0.77 | 7 | 29 | -10 | 202 |
| Healy River Air | 66 | 37 | 50 | +2 | 0.21 | 6 | 1.18 | +0.75 | 14 | 36 | +32 | 201 |
| Gulkaņa Arpt_A | 69 | 34 | 52 | +7 | 0.00 | 0 | 0.09 | -0.27 | 4 | 26 | +21 | 222 |
| Sutton | 66 | 39 | 51 | +5 | 0.23 | 5 | 0.55 | -0.01 | 11 | 14 | +7 | 194 |
| Palmer Municipa | 71 | 40 | 53 | +5 | 0.17 | 3 | 0.32 | -0.12 | 9 | 52 | +34 | 267 |
| Talkeetna | 70 | 38 | 52 | +4 | 0.58 | 3 | 1.10 | -0.07 | 6 | 42 | +38 | 250 |
| Willow Airport | 68 | 42 | 53 | +5 | 0.18 | 3 | 0.49 | +0.05 | 9 | 38 | +35 | 248 |
| Anchorage Intl | 67 | 39 | 52 | +4 | 0.03 | 2 | 0.25 | -0.22 | 5 | 25 | +14 | 216 |
| Kenai Municipal | 69 | 33 | 49 | +3 | 0.10 | 3 | 0.23 | -0.46 | 5 | 15 | +12 | 173 |
| Homer | 62 | 38 | 48 | +4 | 0.34 | 3 | 0.44 | -0.38 | 6 | 5 | +5 | 153 |
| Kodiak | 59 | 40 | 49 | +5 | 0.27 | 4 | 1.87 | -2.84 | 9 | 19 | +16 | 180 |

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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