

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

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P.O. Box 799
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RELEASED: June 19, 2006

GENERAL: There were **5.0 days suitable for fieldwork** last week. Temperatures, in many of the growing areas, were above normal last week. **Topsoil moisture** supplies were reported as 20% short, 80% adequate. **Subsoil moisture** supplies were reported as 10% short, 90% adequate. **Barley and oats** were both reported as 100% in pre-boot stage. **Condition of the barley crop** was reported as 35% poor, 45% fair, 20% good. **Condition of the oat crop** was reported as 25% poor, 40% fair, 35% good. **Potatoes** were listed as 10% emerged statewide. Condition of the **hay** crop was reported as 15% poor, 30% fair, 50% good and 5% excellent. A few fields were reported harvested last week. **Crop growth** was rated as 30% slow, 60% moderate, 10% rapid. No **wind and rain damage to crops** was reported. The main **farm activities** for the week were weed control, seeding forage oats, fertilizing hay grounds, and preparing for the first cutting of hay.

| CROP WEATHER SUMMARY June 12 – June 19 2006 | | |
|---|---------------------|---------------------|
| DAYS SUITABLE FOR FIELDWORK: 5.0 | | |
| CROP | TOPSOIL MOISTURE | SUBSOIL MOISTURE |
| SHORT | 20% | 10% |
| ADEQUATE | 80% | 90% |
| SURPLUS | 0% | 0% |
| PAN EVAPORATION FOR 06/12- 06/19 MAT AES SITE: - 0.074 | | |

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork** last week. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moisture** was reported as 5% short, 95% adequate. **Barley and oats** were reported as 100% pre-boot. **Condition of the barley crop** was reported as 40% poor, 45% fair, 15% good. **Condition of the oat crop** was reported as 35% poor, 50% fair, 15% good. **Potato** planting was 100% complete with little emergence reported. Condition of the **hay** crop was reported as 25% poor, 30% fair, 45% good. **Crop growth** was rated as 15% slow, 70% moderate, 15% rapid. **Wind and rain damage to crops** was listed as 100% none. **Farm activities** for the week included weed control, seeding forage oats, fertilizing hay ground and cutting a few hay fields.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** supplies were both reported as 20% short, 80% adequate. **Small grains** were reported as 100% pre-boot stage. **Potatoes** were reported as 20% emerged. Condition of the **hay** crop was reported as 25% fair, 60% good and 15% excellent; a few fields were harvested last week. **Crop growth** was rated as 65% slow, 35% moderate. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included spraying weeds, preparing for hay harvest and working fallow ground.

KENAI PENINSULA: An average of **3.0 days were suitable for fieldwork**. **Topsoil moisture** supplies were reported as 90% adequate, 10% surplus. **Subsoil moisture** supplies were reported as 100% adequate. **Potatoes** were reported as 95% planted, 20% emerged. Condition of the **hay** crop was reported as 5% poor, 10% fair, 70% good and 15% excellent. **Crop growth** was rated as 30% slow, 60% moderate, 10% rapid. **Wind or rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** for the week included preparing for hay harvest and watching the rain.

Soil Temperatures (F⁰) at 4 inch depth

| | <u>Grass</u> | | | <u>Fallow land</u> | | | <u>Temperature</u> | | <u>Precip</u> <u>(inches)</u> |
|------------------------|--------------|------|------|--------------------|------|------|--------------------|-----|----------------------------------|
| | 2006 | 2005 | 2004 | 2006 | 2005 | 2004 | High | Low | |
| UAF-AFES, Trunk Road | 55 | 56 | 59 | 55 | 56 | 58 | 71 | 41 | 0.72 |
| Sawmill Creek | 51 | 51 | 50 | na | na | na | 78 | 43 | 0.84 |
| Plant Materials Center | na | 58 | 56 | na | 50 | 53 | 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
 Prepared By AWIS.com from NWS preliminary data

For the Period: Monday June 12, 2006
 To: Sunday June 18, 2006

| STATION | LAST WEEK WEATHER SUMMARY | | | | | | May 1, 06 - June 18, 06 | | | | | GDD |
|-----------------|---------------------------|----|-----|---------------|-------|------|-------------------------|-------|------|--------------|------|------|
| | TEMPERATURE | | | PRECIPITATION | | | PRECIPITATION | | | GDD BASE 50F | | BASE |
| | HI | LO | AVG | DFN | TOTAL | DAYS | TOTAL | DFN | DAYS | TOTAL | DFN | TOT |
| Fairbanks_Intl | 79 | 49 | 63 | +4 | 0.22 | 3 | 0.41 | -0.99 | 10 | 196 | -2 | 572 |
| Fairbanks/Eiels | 79 | 52 | 64 | +6 | 0.22 | 2 | 0.72 | -0.90 | 13 | 261 | +76 | 681 |
| Nenana_Muni_AM | 78 | 44 | 61 | +4 | 0.05 | 2 | 0.35 | -0.54 | 8 | 167 | +9 | 522 |
| Ftgreely/Allen | 77 | 51 | 63 | +6 | 0.38 | 2 | 1.95 | -0.12 | 18 | 189 | +7 | 538 |
| Healy_River_Air | 73 | 50 | 60 | +5 | 0.23 | 4 | 0.74 | -1.24 | 14 | 193 | +82 | 562 |
| Gulkana_Arpt_A | 79 | 43 | 59 | +6 | 0.27 | 3 | 0.49 | -0.93 | 11 | 124 | +64 | 419 |
| Sutton | 64 | 39 | 52 | -2 | 0.65 | 5 | 1.86 | +0.24 | 25 | 77 | +9 | 401 |
| Palmer_Municipa | 73 | 44 | 57 | +2 | 0.22 | 2 | 0.27 | -1.07 | 4 | 163 | +47 | 545 |
| Talkeetna | 74 | 46 | 58 | +3 | 0.48 | 3 | 1.89 | -1.11 | 15 | 157 | +61 | 509 |
| Willow_Airport | 72 | 46 | 57 | +3 | 0.67 | 5 | 1.75 | +0.58 | 22 | 207 | +128 | 579 |
| Anchorage_Intl | 66 | 48 | 56 | +2 | 0.75 | 3 | 1.17 | -0.11 | 8 | 162 | +64 | 522 |
| Kenai_Municipal | 70 | 43 | 54 | +4 | 1.11 | 5 | 1.76 | +0.20 | 16 | 114 | +76 | 433 |
| Homer | 59 | 45 | 51 | +2 | 0.61 | 7 | 1.57 | -0.04 | 26 | 53 | +23 | 369 |
| Kodiak | 55 | 45 | 49 | +0 | 2.98 | 6 | 11.03 | +1.32 | 24 | 76 | +45 | 351 |

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