

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

USDA, NASS, Alaska Field Office
P.O. Box 799
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GENERAL: There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** supplies were reported as 10% short, 90% adequate. **Barley and oats** were reported as 100% in the pre-boot stage. Condition of the barley crop was reported as 10% fair, 40% good, 50% excellent. Condition of the oat crop was reported as 10% fair, 60% good, 30% excellent. **Potatoes** were listed as 30% emerged. Condition of the **hay** crop was reported as 5% poor, 15% fair, 40% good, 40% excellent; hay harvest was just underway. **Crop growth** was rated as 15% slow, 55% moderate, 30% rapid. **Wind and rain damage to crops** was listed as 85% none, 15% light. The main **farm activities** for the week were mowing hay, spraying weeds, seeding new hay and pasture, irrigating and preparing for hay harvest.

| CROP WEATHER SUMMARY June 11 – June 17, 2007 | | |
|---|---------------------|---------------------|
| DAYS SUITABLE FOR FIELDWORK: 5.0 | | |
| CROP | TOPSOIL MOISTURE | SUBSOIL MOISTURE |
| SHORT | 10% | 10% |
| ADEQUATE | 90% | 90% |
| SURPLUS | 0% | 0% |
| PAN EVAPORATION FOR 06/11- 06/17 MAT AES SITE: +2.12 | | |

TANANA VALLEY: An average of **4.0 days were suitable for fieldwork** last week. **Topsoil moisture** and **subsoil moisture** supplies were reported as 100% adequate. **Barley and oats** were reported as 100% pre-boot stage. **Potatoes** were 30% emerged. Condition of the **hay** crop was reported as 5% poor, 5% fair, 35% good and 55% excellent, as harvest was just underway. **Crop growth** was rated as 50% moderate, 50% rapid. **Wind and rain damage to crops** was listed as 80% none, 20% light. **Farm activities** for the week included mowing hay, spraying weeds, seeding pasture and hay and preparing haying equipment

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 50% short, 50% adequate. **Subsoil moisture** was reported as 30% short, 70% adequate. **Small grains** were 100% pre-boot. **Potatoes** were reported as 30% emerged. Condition of the **hay** crop was reported 25% fair, 50% good and 25% excellent, as first cutting was underway. **Crop growth** was rated as 40% slow, 60% moderate. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included spraying weeds, mowing hay, irrigating, and tilling fields.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 10% emerged. Condition of the **hay** crop was reported as 10% poor, 20% fair, 50% good and 20% excellent. **Crop growth** was rated as 10% slow, 80% moderate, 10% rapid. **Wind or rain damage to crops** was reported as 90% light, 10% moderate. Major **farm activities** for the week included planting/transplanting vegetables and getting ready for the first harvest of hay.

Soil Temperatures (F⁰) at 4 inch depth

| | <u>Grass</u> | | | <u>Fallow land</u> | | | <u>Temperature</u> | | <u>Precip</u> <u>(inches)</u> |
|------------------------|--------------|------|------|--------------------|------|------|--------------------|-----|----------------------------------|
| | 2007 | 2006 | 2005 | 2007 | 2006 | 2005 | High | Low | |
| UAF-AFES, Trunk Road | 54 | 55 | 56 | 58 | 55 | 56 | 77 | 40 | 0.00 |
| Sawmill Creek | 47 | 51 | 51 | na | na | na | 76 | 36 | 0.35 |
| Plant Materials Center | 50 | 51 | 58 | na | na | 50 | 75 | 39 | 0.00 |

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 11, 2007
 To: Sunday June 17, 2007

| STATION | LAST WEEK WEATHER SUMMARY | | | | | | May 1, 07 - June 17, 07 | | | | | GDD |
|-----------------|---------------------------|----|-----|---------------|-------|------|-------------------------|-------|------|--------------|------|------|
| | TEMPERATURE | | | PRECIPITATION | | | PRECIPITATION | | | GDD BASE 50F | | BASE |
| | HI | LO | AVG | DFN | TOTAL | DAYS | TOTAL | DFN | DAYS | TOTAL | DFN | TOT |
| Fairbanks_Intl | 74 | 47 | 59 | -2 | 0.44 | 3 | 2.23 | +0.88 | 12 | 257 | +70 | 644 |
| Fairbanks/Eiels | 73 | 44 | 57 | -2 | 0.63 | 5 | 3.15 | +1.59 | 17 | 230 | +55 | 600 |
| Nenana_Muni_AM | 73 | 43 | 57 | -2 | 0.62 | 4 | 1.78 | +0.93 | 11 | 203 | +54 | 586 |
| Ftgreely/Allen | 72 | 45 | 56 | -2 | 0.66 | 6 | 2.94 | +0.96 | 17 | 193 | +19 | 556 |
| Healy_River_Air | 72 | 43 | 58 | +3 | 0.42 | 7 | 1.67 | -0.23 | 24 | 232 | +128 | 606 |
| Gulkana_Arpt_A | 76 | 38 | 57 | +5 | 0.07 | 3 | 0.71 | -0.66 | 15 | 83 | +27 | 372 |
| Sutton | 72 | 36 | 52 | -2 | 0.16 | 2 | 2.83 | +1.26 | 29 | 36 | -28 | 347 |
| Palmer_Municipa | 76 | 43 | 57 | +2 | 0.00 | 0 | 0.45 | -0.84 | 5 | 103 | -7 | 506 |
| Talkeetna | 79 | 38 | 56 | +2 | 0.10 | 2 | 0.87 | -2.05 | 13 | 123 | +33 | 503 |
| Willow_Airport | 74 | 46 | 58 | +4 | 0.09 | 2 | 2.77 | +1.64 | 27 | 173 | +99 | 590 |
| Anchorage_Intl | 72 | 41 | 54 | -1 | 0.00 | 0 | 0.62 | -0.62 | 8 | 63 | -30 | 427 |
| Kenai_Municipal | 73 | 34 | 50 | +0 | 0.00 | 0 | 1.28 | -0.24 | 13 | 68 | +32 | 385 |
| Homer | 62 | 37 | 49 | -2 | 0.01 | 1 | 0.68 | -0.90 | 14 | 7 | -21 | 239 |
| Kodiak | 73 | 37 | 50 | +2 | 0.03 | 1 | 14.69 | +5.16 | 32 | 15 | -14 | 173 |

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