

# ALASKA CROP-WEATHER

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



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

USDA, NASS, Alaska Field Office  
P.O. Box 799  
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**RELEASED:** May 29, 2007

**GENERAL:** There were **6.0 days suitable for fieldwork** last week. Temperatures were above normal and only small amounts of rain fell in most growing areas. **Topsoil moisture** supplies were reported as 5% short, 95% adequate. **Subsoil moisture** supplies were listed as 100% adequate. **Barley** was reported as 90% planted, 70% emerged. **Oats** were reported as 80% planted, 50% emerged. **Potato** planting was listed as 50% complete statewide. Condition of the **hay** crop was reported as 10% fair, 75% good, 15% excellent. **Crop growth** was rated as 5% slow, 75% moderate, 20% rapid. No **wind and rain damage to crops** was reported. The main **farm activities** for the week were planting small grains, potatoes and vegetables, weed control, fence repair, and applying fertilizer.

| CROP WEATHER SUMMARY<br>May 21 - May 27, 2007            |                     |                     |
|--|---------------------|---------------------|
| DAYS SUITABLE FOR FIELDWORK: 6.0                         |                     |                     |
| CROP   | TOPSOIL<br>MOISTURE | SUBSOIL<br>MOISTURE |
| SHORT  | 5%                  | 0%                  |
| ADEQUATE   | 95%                 | 100%                |
| SURPLUS  | 0%                  | 0%                  |
| PAN EVAPORATION FOR 05/21- 05/27<br>MAT AES SITE: +0.764 |                     |                     |

**TANANA VALLEY:** An average of **6.0 days were suitable for fieldwork** last week. **Topsoil and subsoil moisture supplies** were both reported at 100% adequate. **Planting of barley** was reported as 90% complete, 75% emerged. Planting of **oats** was 90% complete, 55% emerged. **Potato** planting was 10% complete. Condition of the **hay** crop was reported as 5% fair, 80% good, 15% excellent. **Crop growth** was rated as 75% moderate, 25% rapid. No **wind or rain damage to crops** was reported. **Farm activities** for the week included planting small grains and potatoes, equipment repair, fertilizing hay and pasture, and fence repair.

**MATANUSKA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was reported as 100% adequate. **Planting of small grains** continued. **Potatoes** were reported as 75% planted. Vegetables also continued to be planted/transplanted into fields. Condition of the **hay** crop was reported as 10% fair, 75% good, 15% excellent. **Crop growth** was rated as 85% moderate, 15% rapid. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included planting potatoes and small grains, field prep, weed control, irrigating, and fence repair.

**KENAI PENINSULA:** An average of **7.0 days were suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 100% adequate. **Potato** planting was 15% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 50% good, 25% excellent. **Crop growth** was rated as 25% slow, 75% moderate. No **wind or rain damage to crops** was reported. Major **farm activities** for the week included fertilizing hay fields and planting/transplanting vegetables.

## Soil Temperatures ( F<sup>0</sup> ) at 4 inch depth

|                        | <u>Grass</u> |      |      | <u>Fallow land</u> |      |      | <u>Temperature</u> |     | <u>Precip</u><br>(inches) |
|------------------------|--------------|------|------|--------------------|------|------|--------------------|-----|---------------------------|
|                        | 2007         | 2006 | 2005 | 2007               | 2006 | 2005 | High               | Low |                           |
| UAF-AFES, Trunk Road   | 47           | 48   | 47   | 49                 | 50   | 51   | 68                 | 34  | 0.00                      |
| Sawmill Creek          | 42           | 41   | na   | na                 | na   | na   | 79                 | 31  | 0.07                      |
| Plant Materials Center | 49           | 46   | 52   | 47                 | na   | 44   | 67                 | 36  | 0.43                      |

## 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 May 21, 2007  
 To: Sunday May 27, 2007

| STATION         | LAST WEEK WEATHER SUMMARY |    |     |               |       |      | May 1, 07 - May 27, 07 |       |      |              |     | GDD  |
|-----------------|---------------------------|----|-----|---------------|-------|------|------------------------|-------|------|--------------|-----|------|
|                 | TEMPERATURE               |    |     | PRECIPITATION |       |      | PRECIPITATION          |       |      | GDD BASE 50F |     | BASE |
|                 | HI                        | LO | AVG | DFN           | TOTAL | DAYS | TOTAL                  | DFN   | DAYS | TOTAL        | DFN | TOT  |
| Fairbanks_Intl  | 79                        | 39 | 59  | +7            | 0.00  | 0    | 0.38                   | -0.10 | 4    | 82           | +52 | 261  |
| Fairbanks/Eiels | 80                        | 37 | 57  | +6            | 0.01  | 1    | 0.45                   | -0.07 | 5    | 65           | +35 | 226  |
| Nenana_Muni_AM  | 81                        | 36 | 58  | +6            | 0.00  | 0    | 0.24                   | +0.00 | 3    | 65           | +45 | 240  |
| Ftgreely/Allen  | 77                        | 43 | 58  | +7            | 0.00  | 0    | 1.08                   | +0.50 | 5    | 62           | +12 | 224  |
| Healy_River_Air | 77                        | 43 | 58  | +9            | 0.04  | 2    | 0.38                   | -0.18 | 9    | 67           | +57 | 237  |
| Gulkana_Arpt_A  | 67                        | 29 | 50  | +4            | 0.06  | 2    | 0.52                   | +0.06 | 9    | 3            | -5  | 108  |
| Sutton          | 64                        | 28 | 48  | +0            | 0.58  | 5    | 1.08                   | +0.41 | 16   | 5            | -5  | 131  |
| Palmer_Municipa | 67                        | 38 | 53  | +4            | 0.00  | 0    | 0.45                   | -0.09 | 5    | 23           | -1  | 218  |
| Talkeetna       | 71                        | 37 | 52  | +4            | 0.30  | 2    | 0.38                   | -1.01 | 4    | 26           | +17 | 199  |
| Willow_Airport  | 66                        | 45 | 55  | +7            | 0.66  | 5    | 1.17                   | +0.66 | 14   | 50           | +44 | 258  |
| Anchorage_Intl  | 62                        | 36 | 51  | +3            | 0.20  | 2    | 0.60                   | +0.02 | 7    | 14           | -3  | 184  |
| Kenai_Municipal | 65                        | 32 | 50  | +4            | 0.28  | 3    | 0.92                   | +0.11 | 5    | 16           | +10 | 146  |
| Homer           | 57                        | 33 | 46  | +2            | 0.15  | 3    | 0.19                   | -0.76 | 6    | 0            | -3  | 82   |
| Kodiak          | 53                        | 33 | 43  | -3            | 6.06  | 6    | 9.38                   | +3.87 | 18   | 0            | -6  | 47   |

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