

# ALASKA CROP-WEATHER



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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

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**GENERAL:** There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were listed as 15% short, 85% adequate. **Barley** was reported as 25% in boot. Condition of the barley crop was rated as 10% fair, 50% good, 40% excellent. **Oats** were 100% pre-boot. Condition of the oat crop was rated as 10% fair, 55% good, 35% excellent. **Potatoes** were reported as 60% emerged. **First cutting of hay** was reported as 15% complete. Condition of the hay crop was rated as 10% poor, 30% fair, 50% good, 10% excellent. **Rate of crop growth** was reported as 5% slow, 65% moderate, 30% rapid. **Wind and rain damage** was reported as 95% none, 5% light. The main **farm activities** for the week were cutting hay, weed control, irrigation, machinery maintenance.

| CROP WEATHER SUMMARY<br>June 15 - June 21, 2009          |                     |                     |
|--|---------------------|---------------------|
| DAYS SUITABLE FOR FIELDWORK: 6.0                         |                     |                     |
| CROP   | TOPSOIL<br>MOISTURE | SUBSOIL<br>MOISTURE |
| SHORT  | 10%                 | 15%                 |
| ADEQUATE   | 90%                 | 85%                 |
| SURPLUS  | 0%                  | 0%                  |
| PAN EVAPORATION FOR 06/15 - 06/21<br>MAT AES SITE: 0.818 |                     |                     |

**TANANA VALLEY:** An average of **6.0 days was suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported at 15% short, 85% adequate. **Barley** was reported as 25% in boot. **Oats** were 100% pre-boot. **Condition of the barley and oat crops** were both rated as 10% fair, 45% good, 45% excellent. **Potatoes** were 50% emerged. **First cutting of hay** was reported as 20% complete. **Condition of the hay crop** was listed as 15% poor, 35% fair, 45% good, 5% excellent. **Rate of crop growth** was 70% moderate, 30% rapid. **Farm activities** for the week included harvesting hay, weed control, seeding forage, irrigating hay fields.

**MATANUSKA VALLEY:** An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was reported as 20% short, 80% adequate. **Small grains** were in pre-boot stage. **Potatoes** were reported as 70% emerged. **First cutting of hay** was reported as 10% complete. **Condition of the hay crop** was listed as 15% fair, 70% good, 15% excellent. **Rate of crop growth** was reported as 10% slow, 60% moderate, 30% rapid. **Farm activities** for the week included weed control, irrigating crops, tilling fields, harvesting hay.

**KENAI PENINSULA:** There were **6.0 days was suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 100% adequate. **Potatoes** were 95% planted, 5% emerged. **First cutting of hay** was not yet underway. **Condition of the hay crop** was listed as 15% poor, 20% fair, 40% good, 25% excellent. **Rate of crop growth** was reported as 15% slow, 70% moderate, 15% rapid. **Wind and rain damage** to crops was reported as 95% none, 5% light. **Farm activities** for the week were preparing haying equipment for harvest, weed control.

## 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) |
|------------------------|--------------|------|------|--------------------|------|------|--------------------|-----|---------------------------|
|                        | 2009         | 2008 | 2007 | 2009               | 2008 | 2007 | High               | Low |                           |
| UAF-AFES, Trunk Road   | 55           | 55   | 55   | 54                 | 53   | 56   | 70                 | 46  | 0.19                      |
| Sawmill Creek          | 48           | 47   | 51   | na                 | na   | na   | 74                 | 37  | 0.31                      |
| Plant Materials Center | na           | 51   | na   | na                 | na   | na   | 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 15, 2009  
 To: Sunday June 21, 2009

| STATION         | LAST WEEK WEATHER SUMMARY |    |     |               |       |      | May 1, 09 - June 21, 09 GDD |       |      |              |      |      |
|-----------------|---------------------------|----|-----|---------------|-------|------|-----------------------------|-------|------|--------------|------|------|
|                 | TEMPERATURE               |    |     | PRECIPITATION |       |      | PRECIPITATION               |       |      | GDD BASE 50F |      | BASE |
|                 | HI                        | LO | AVG | DFN           | TOTAL | DAYS | TOTAL                       | DFN   | DAYS | TOTAL        | DFN  | TOT  |
| Fairbanks_Intl  | 76                        | 47 | 62  | +2            | 0.33  | 3    | 0.55                        | -1.00 | 6    | 363          | +132 | 810  |
| Fairbanks/Eiels | 75                        | 45 | 59  | -2            | 0.28  | 3    | 0.84                        | -0.96 | 14   | 254          | +39  | 654  |
| Nenana_Muni_AM  | 75                        | 44 | 60  | +2            | 0.70  | 3    | 1.02                        | +0.01 | 11   | 269          | +83  | 688  |
| Ftgreely/Allen  | 72                        | 43 | 56  | -3            | 0.55  | 3    | 2.82                        | +0.48 | 15   | 263          | +56  | 678  |
| Healy_River_Air | 70                        | 45 | 56  | -2            | 0.64  | 6    | 1.85                        | -0.37 | 22   | 173          | +41  | 561  |
| Gulkana_Arpt_A  | 72                        | 39 | 53  | -2            | 0.13  | 4    | 1.48                        | -0.11 | 14   | 142          | +70  | 547  |
| Sutton          | 64                        | 36 | 51  | -3            | 0.22  | 6    | 1.38                        | -0.39 | 21   | 54           | -26  | 447  |
| Palmer_Municipa | 70                        | 42 | 54  | -3            | 0.08  | 3    | 0.40                        | -1.09 | 6    | 150          | +16  | 626  |
| Talkeetna       | 73                        | 44 | 56  | +0            | 0.17  | 3    | 2.46                        | -0.78 | 12   | 148          | +33  | 577  |
| Willow_Airport  | 70                        | 48 | 57  | +2            | 0.19  | 6    | 1.27                        | -0.02 | 18   | 252          | +155 | 736  |
| Anchorage_Intl  | 64                        | 47 | 55  | +0            | 0.07  | 3    | 0.69                        | -0.71 | 9    | 116          | +1   | 547  |
| Kenai_Municipal | 62                        | 46 | 53  | +3            | 0.09  | 2    | 0.87                        | -0.81 | 9    | 77           | +31  | 485  |
| Homer           | 59                        | 40 | 50  | -2            | 0.10  | 2    | 1.07                        | -0.63 | 14   | 11           | -25  | 311  |
| Kodiak          | 60                        | 37 | 49  | +0            | 0.83  | 4    | 7.20                        | -3.02 | 24   | 18           | -19  | 333  |

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