

# ALASKA CROP-WEATHER



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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

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**RELEASED:** August 20, 2007

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 100% adequate. **Barley** was reported as 5% harvested. **Oats** were reported as 30% ripe. **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 90% in bloom statewide. **Condition of the potato crop** was listed as 10% fair, 45% good, 45% excellent. First cutting **hay harvest** was 99% complete, second cutting was 20% complete. Condition of the **hay** crop was reported as 5% poor, 15% fair, 45% good, 35% excellent. **Range and pasture condition** was 15% poor, 15% fair, 55% good, 15% excellent. **Crop growth** was rated as 75% moderate, 25% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. The main **farm activities** for the week were harvesting hay, vegetables, and barley, weed control, equipment maintenance.

CROP WEATHER SUMMARY August 13 – August 19, 2007		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	0%
ADEQUATE	95%	100%
SURPLUS	5%	0%
PAN EVAPORATION FOR 08/13- 08/19 MAT AES SITE: +0.016		

**TANANA VALLEY:** An average of **5.0 days were suitable for fieldwork** last week. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 100% adequate. **Barley** was reported as 5% harvested, mostly in the Fairbanks area. **Oats** were reported as 30% ripe. **Condition of the barley crop** was reported as 10% fair, 40% good, 50% excellent. **Condition of the oat crop** was reported as 10% fair, 50% good, 40% excellent. First cutting **hay harvest** was 99% complete with second cutting reported as 15% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 30% good, 45% excellent. **Crop growth** was rated as 60% moderate, 40% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% moderate. **Farm activities** for the week included harvesting hay and weed control, preparing for grain harvest.

**MATANUSKA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 100% adequate. First cutting of **hay** was 99% complete, second cutting 10% complete. Condition of the hay crop was reported as 10% fair, 75% good, 15% excellent. **Crop growth** was rated as 90% moderate, 10% rapid. **Wind and rain damage to crops** was reported as 100% none. Major **farm activities** during the week included weed control, fence repair, harvesting hay and vegetables.

**KENAI PENINSULA:** An average of **6.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 100% adequate. First cutting of **hay** was 98% complete, second cutting is underway. Condition of the **hay** crop was reported as 10% poor, 15% fair, 45% good, 30% excellent. **Crop growth** was rated as 100% moderate. **Wind and rain damage to crops** was reported as 100% none. Major **farm activities** for the week included harvesting hay, equipment maintenance.

## Soil Temperatures ( F<sup>0</sup> ) 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	60	54	64	57	52	63	78	48	0.70
Sawmill Creek	na	49	57	na	na	na	na	na	na
Plant Materials Center	55	na	63	na	na	na	75	42	0.58

### 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 August 13, 2007  
 To: Sunday August 19, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - August 19, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	80	52	63	+8	0.43	3	7.50	+2.63	39	1102	+228	2119
Fairbanks/Eiels	81	50	62	+7	1.23	4	8.29	+2.15	48	966	+137	1966
Nenana_Muni_AM	81	47	61	+7	0.45	2	5.87	+1.15	34	958	+208	1971
Ftgreely/Allen	80	47	62	+7	0.19	3	6.72	-0.63	45	925	+161	1918
Healy_River_Air	81	45	61	+7	0.61	4	6.31	-0.92	69	924	+308	1928
Gulkana_Arpt_A	79	39	60	+7	0.36	2	3.11	-1.98	37	600	+171	1519
Sutton	73	39	57	+3	0.69	5	6.75	+0.67	68	372	-68	1311
Palmer_Municipa	76	46	59	+4	0.01	1	1.35	-4.01	17	640	+66	1673
Talkeetna	78	47	60	+5	0.43	3	7.49	-2.48	46	673	+88	1683
Willow_Airport	76	48	60	+4	0.67	5	7.02	+2.06	66	799	+222	1846
Anchorage_Intl	75	49	59	+4	0.55	4	4.10	-1.09	34	577	+4	1571
Kenai_Municipal	75	44	57	+4	0.35	6	4.24	-1.03	46	471	+148	1418
Homer	68	43	55	+2	0.21	7	2.53	-2.18	43	235	-43	1087
Kodiak	78	46	57	+2	1.11	4	26.61	+8.38	64	295	-2	1065

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