

# ALASKA CROP-WEATHER



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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

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**RELEASED:** August 13, 2007

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 5% short, 90% adequate, 5% surplus. **Subsoil moisture** was reported as 100% adequate. **Barley** was reported as 5% harvested. **Oats** were reported as 5% 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 85% in bloom statewide. **Condition of the potato crop** was listed as 10% fair, 50% good, 40% excellent. First cutting **hay harvest** was 95% complete, second cutting was 5% complete. Condition of the **hay** crop was reported as 5% poor, 15% fair, 50% good, 30% excellent. **Range and pasture condition** was 15% poor, 20% fair, 50% good, 15% excellent. **Crop growth** was rated as 80% moderate, 20% 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, grass seed and barley, weed control, equipment maintenance.

CROP WEATHER SUMMARY August 6 – August 12, 2007		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	5%	0%
ADEQUATE	90%	100%
SURPLUS	5%	0%
PAN EVAPORATION FOR 08/06- 08/12 MAT AES SITE: +0.892		

**TANANA VALLEY:** An average of **4.0 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 5% 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. **Potatoes** were listed as 80% in bloom. First cutting **hay harvest** was 98% complete with second cutting reported as 5% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 30% good, 45% excellent. **Crop growth** was rated as 75% moderate, 25% rapid. **Wind and rain damage to crops** was reported as 90% none, 10% moderate, as rain laid down some hay. **Farm activities** for the week included harvesting hay, barley and grass seed, CRP maintenance, and preparing for grain harvest.

**MATANUSKA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 90% in bloom. First cutting of **hay** was 95% complete, second cutting was just underway. Condition of the hay crop was reported as 10% fair, 75% good, 15% excellent. **Crop growth** was rated as 95% moderate, 5% 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, vegetables and grass seed.

**KENAI PENINSULA:** An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 60% in bloom. First cutting of **hay** was 85% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 50% good, 25% excellent. **Crop growth** was rated as 80% moderate, 20% rapid. **Wind and rain damage to crops** was reported as 80% none, 20% moderate. Major **farm activities** for the week included harvesting hay and reseeded/renovation on hay fields.

## 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	62	58	62	59	60	58	73	43	0.64
Sawmill Creek	53	53	na	na	na	na	75	32	1.52
Plant Materials Center	56	54	na	na	na	na	73	40	0.35

### 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 6, 2007  
 To: Sunday August 12, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - August 12, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	84	43	59	+1	0.98	3	7.07	+2.62	36	1010	+181	1957
Fairbanks/Eiels	75	39	56	-2	1.43	3	7.06	+1.44	44	881	+96	1811
Nenana_Muni_AM	75	38	56	-2	1.13	3	5.42	+1.15	32	876	+164	1819
Ftgreely/Allen	72	43	56	-2	1.07	4	6.53	-0.33	42	841	+120	1764
Healy_River_Air	79	38	56	+0	0.63	3	5.70	-0.97	65	845	+263	1779
Gulkana_Arpt_A	75	34	56	+2	0.26	2	2.75	-1.92	35	531	+132	1380
Sutton	71	43	56	+0	0.29	5	6.06	+0.54	63	322	-83	1191
Palmer_Municipa	73	46	60	+3	0.18	3	1.34	-3.53	16	572	+40	1535
Talkeetna	78	42	59	+2	0.72	3	7.06	-1.86	43	601	+56	1541
Willow_Airport	72	47	60	+3	0.26	4	6.35	+1.97	61	729	+201	1706
Anchorage_Intl	70	47	59	+2	0.14	3	3.55	-0.94	30	511	-16	1435
Kenai_Municipal	73	40	57	+2	0.21	4	3.89	-0.79	40	419	+127	1296
Homer	71	41	54	-2	0.02	2	2.32	-1.89	36	198	-52	980
Kodiak	72	48	59	+4	0.00	0	25.50	+8.23	60	244	-16	944

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