

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 **4.5 days suitable for fieldwork** last week as most growing areas received some rain. **Topsoil and subsoil moisture** supplies were both reported as 5% short, 95% adequate. **Barley** was reported as 30% ripe. **Oats** were reported as 10% fair, 40% good, 50% excellent. **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 70% in bloom statewide. **Condition of the potato crop** was listed as 10% fair, 50% good, 40% excellent. First cutting **hay harvest** was 95% complete. Condition of the **hay** crop was reported as 5% poor, 15% fair, 50% good, 30% excellent. **Range and pasture condition** was 10% poor, 10% fair, 60% good, 20% excellent. **Crop growth** was rated as 30% slow, 50% moderate, 20% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light, as rain has laid hay down in several areas. The main **farm activities** for the week were harvesting hay, vegetables and grass seed, weed control, equipment maintenance.

CROP WEATHER SUMMARY July 30 – August 5, 2007		
DAYS SUITABLE FOR FIELDWORK: 4.5		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	5%	5%
ADEQUATE	95%	95%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/30- 08/06 MAT AES SITE: -0.364		

TANANA VALLEY: An average of **4.5 days were suitable for fieldwork** last week. **Topsoil and subsoil moisture** was both reported as 5% short, 95% adequate. **Barley** was reported as 30% ripe. **Oats** were reported as 80% turning color. **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 95% complete with second cutting just getting underway. Condition of the **hay** crop was reported as 5% poor, 15% fair, 35% good, 45% excellent. **Crop growth** was rated as 35% slow, 35% moderate, 30% rapid. **Wind and rain damage to crops** was reported as 90% none, 10% moderate. **Farm activities** for the week included harvesting hay and grass seed, weed control, CRP maintenance, and preparing for grain harvest.

MATANUSKA VALLEY: An average of **4.5 days were suitable for fieldwork**. **Topsoil and subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 70% in bloom. First cutting of **hay** was 90% complete. Condition of the hay crop was reported as 10% fair, 80% good, 10% excellent. **Crop growth** was rated as 15% slow, 85% moderate. **Wind and rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** during the week included weed control, machinery and fence repair, harvesting hay, vegetables and grass seed.

KENAI PENINSULA: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture and subsoil moisture** supplies were both reported as 100% adequate. **Potatoes** were reported as 25% in bloom. First cutting of **hay** was 80% complete, with second cutting just getting underway. Condition of the **hay** crop was reported as 10% poor, 25% fair, 40% good, 25% excellent. **Crop growth** was rated as 40% moderate, 60% rapid. No **wind or rain damage to crops** was reported. Major **farm activities** for the week included harvesting hay and equipment repair.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2007	2006	2005	2007	2006	2005	High	Low	
UAF-AFES, Trunk Road	60	57	59	57	59	52	78	51	0.72
Sawmill Creek	55	na	57	na	na	na	76	43	0.13
Plant Materials Center	55	52	50	na	na	50	67	48	1.52

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 July 30, 2007
 To: Sunday August 5, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - August 5, 07 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	73	52	62	+3	0.41	4	6.09	+2.06	33	947	+174	1824
Fairbanks/Eiels	74	51	61	+3	0.31	4	5.63	+0.57	41	835	+105	1695
Nenana_Muni_AM	77	50	62	+4	0.23	4	4.29	+0.51	29	830	+167	1703
Ftgreely/Allen	74	51	62	+4	0.12	1	5.46	-0.86	38	793	+124	1646
Healy_River_Air	68	48	59	+1	0.50	7	5.07	-1.04	62	799	+261	1663
Gulkana_Arpt_A	80	44	59	+4	0.43	3	2.49	-1.76	33	486	+124	1265
Sutton	72	50	57	+1	0.48	4	5.77	+0.81	58	281	-84	1080
Palmer_Municipa	77	51	59	+2	0.59	4	1.16	-3.22	13	504	+21	1397
Talkeetna	78	52	59	+1	2.77	7	6.34	-1.60	40	538	+41	1408
Willow_Airport	73	53	59	+2	0.86	6	6.09	+2.27	57	654	+182	1561
Anchorage_Intl	74	53	59	+1	0.53	3	3.41	-0.45	27	444	-30	1298
Kenai_Municipal	71	47	57	+2	0.45	3	3.68	-0.46	36	371	+114	1178
Homer	65	47	56	+1	0.24	2	2.30	-1.48	34	170	-47	882
Kodiak	63	49	54	-3	0.40	5	25.50	+9.09	60	180	-38	810

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