

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 reported as 10% short, 90% adequate. **Barley** was reported as 10% in color. **Oats** were reported as 20% in dough. **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 100% emerged statewide, 45% in bloom. **Condition of the potato crop** was listed as 10% fair, 55% good, 35% excellent. First cutting **hay harvest** was 80% complete. Condition of the **hay** crop was reported as 5% poor, 10% fair, 50% good, 35% excellent. **Crop growth** was rated as 75% moderate, 25% rapid. **Wind and rain damage to crops** was reported as 100% none. The main **farm activities** for the week were harvesting hay, weed control, equipment maintenance.

CROP WEATHER SUMMARY July 16 – July 22, 2007		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	10%
ADEQUATE	90%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/16- 07/22 MAT AES SITE: + 0.628		

TANANA VALLEY: An average of **7.0 days were suitable for fieldwork** last week. **Topsoil and subsoil moisture** was both reported as 100% adequate. **Barley** was reported as 10% in color. **Oats** were reported as 20% in dough. **Condition of the barley crop** was reported as 10% fair, 40% good, 50% excellent. **Condition of the oat crop** was reported as 10% fair, 40% good, 50% excellent. **Potatoes** were listed as 100% emerged, 50% in bloom. First cutting **hay harvest** was 90% complete. Condition of the **hay** crop was reported as 5% poor, 15% fair, 35% good, 45% excellent. **Crop growth** was rated as 70% moderate, 30% rapid. **Wind and rain damage to crops** was reported as 100% none. **Farm activities** for the week included harvesting hay, spraying weeds, CRP maintenance, and equipment repair.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** was reported as 20% short, 80% adequate. **Potatoes** were reported as 100% emerged, 40% in bloom. First cutting of **hay** was 75% complete. Condition of the **hay** crop was reported as 75% good, 25% excellent. **Crop growth** was rated as 95% moderate, 5% rapid. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included weed control, irrigation, machinery repair, harvesting hay.

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 100% emerged, 5% in bloom. First cutting of **hay** was 40% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 50% 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 cutting and included harvesting hay.

Soil Temperatures (F⁰) 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	61	62	58	62	61	74	46	0.03
Sawmill Creek	57	54	55	na	na	na	79	44	0.05
Plant Materials Center	55	58	62	na	57	61	74	46	0.32

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 16, 2007
 To: Sunday July 22, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - July 22, 07 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	78	47	63	+2	0.32	2	4.51	+1.32	25	758	+135	1495
Fairbanks/Eiels	79	44	62	-1	0.06	2	4.46	+0.52	32	660	+75	1380
Nenana_Muni_AM	78	44	62	+1	0.25	2	3.59	+0.79	23	647	+116	1380
Ftgreely/Allen	76	51	63	+3	0.05	2	5.13	+0.00	34	610	+77	1323
Healy_River_Air	75	46	61	+2	0.25	5	4.04	-0.93	50	639	+217	1363
Gulkana_Arpt_A	81	35	61	+4	0.07	1	2.04	-1.37	29	364	+95	1003
Sutton	71	45	57	-1	0.05	2	4.67	+0.83	48	188	-83	847
Palmer_Municipa	75	47	61	+4	0.00	0	0.56	-2.84	8	375	+2	1128
Talkeetna	79	40	61	+3	0.00	0	2.80	-3.42	30	399	+22	1129
Willow_Airport	73	49	62	+4	0.00	0	4.50	+1.66	45	514	+168	1281
Anchorage_Intl	73	48	60	+2	0.00	0	2.21	-0.63	20	320	-37	1034
Kenai_Municipal	69	39	56	+2	0.04	1	2.32	-0.88	28	267	+86	934
Homer	64	42	53	-3	0.09	3	1.38	-1.63	28	97	-50	669
Kodiak	67	48	54	-2	0.72	4	19.06	+4.33	50	123	-22	613

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