

ALASKA CROP-WEATHER

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



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

USDA, NASS, Alaska Field Office
P.O. Box 799
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GENERAL: There were **5.0 days suitable for fieldwork**. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were listed as 15% short, 85% adequate. **Barley** was 30% headed. **Oats** were reported as 15% headed. Condition of the barley crop was 30% fair, 50% good, 20% excellent. Condition of the oat crop was 25% fair, 60% good, 15% excellent. **Potatoes** were reported as 95% emerged. **Hay** harvest was 35% complete. Hay condition was rated as 10% poor, 20% fair, 60% good, 10% excellent. **Crop growth** was rated 65% moderate, 35% rapid. **Wind or rain damage** to crops was reported as 99% none, 1% light. The main **farm activities** for the week were harvesting hay, irrigation, weed control, general maintenance.

CROP WEATHER SUMMARY June 30 - July 06, 2008		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	15%
ADEQUATE	90%	85%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/30 - 07/06 MAT AES SITE: -0.840		

TANANA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 5% short, 95% adequate. **Subsoil moisture supplies** were also 20% short, 80% adequate. **Barley** was reported as 30% headed. **Oats** were reported as 20% headed. Condition of the barley crop was 30% fair, 45% good, 25% excellent. Condition of the oat crop was 30% fair, 50% good, 20% excellent. **Potatoes** were 90% emerged. **Hay** harvest was 40% complete. Condition of hay was rated as 10% poor, 25% fair, 60% good, 5% excellent. **Crop growth** was rated 60% moderate, 40% rapid. **Wind or rain damage** was reported as 100% none. **Farm activities** for the week included spraying weeds, harvesting hay, irrigation.

MATANUSKA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 15% short, 85% adequate. **Subsoil moisture** was reported as 10% short, 90% adequate. **Potatoes** were 95% emerged. **Hay** harvest was 30% complete. Condition of hay was rated as 10% poor, 15% fair, 60% good, 15% excellent. **Crop growth** was rated 70% moderate, 30% rapid. **Wind or rain damage** was reported as 95% none, 5% light. Major **farm activities** during the week included weed control, irrigating, harvesting hay, farm maintenance.

KENAI PENINSULA: There were **5.0 days suitable for fieldwork last week**. **Topsoil moisture** was reported at 100% adequate. **Subsoil moisture** was also reported as 100% adequate. **Potatoes** were 100% emerged. **Hay** harvest was 5% complete. Condition of hay was rated as 10% poor, 20% fair, 50% good, 20% excellent. **Crop growth** was rated 60% moderate, 40% rapid. **Wind or rain damage** was reported as 100% none. Major **farm activities** for the week included preparing for hay harvest, weed control.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2008	2007	2006	2008	2007	2006	High	Low	
UAF-AFES, Trunk Road	60	60	61	60	60	63	74	39	0.10
Sawmill Creek	50	51	54	na	na	na	84	33	0.14
Plant Materials Center	53	na	54	na	na	na	72	38	0.09

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 30, 2008
 To: Sunday July 6, 2008

STATION	LAST WEEK WEATHER SUMMARY						May 1, 08 - July 6, 08 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	85	46	63	+0	0.38	2	3.14	+0.80	28	428	-2	1031
Fairbanks/Eiels	84	42	59	-4	0.56	2	3.97	+1.09	30	294	-107	847
Nenana_Muni_AM	82	39	59	-3	0.18	1	3.54	+1.70	22	294	-64	852
Ftgreely/Allen	82	42	59	-3	0.22	3	2.95	-0.82	23	265	-102	826
Healy_River_Air	80	42	60	+2	0.20	4	1.87	-1.78	29	210	-63	712
Gulkana_Arpt_A	81	29	55	-3	0.35	1	1.68	-0.86	17	127	-35	594
Sutton	70	34	53	-4	0.13	3	2.72	-0.03	39	62	-105	519
Palmer_Municipa	72	43	57	-1	0.00	0	0.40	-1.98	6	162	-89	731
Talkeetna	78	39	57	-3	0.16	2	2.26	-2.38	19	165	-77	674
Willow_Airport	71	44	58	+0	0.13	4	2.62	+0.63	36	219	+6	781
Anchorage_Intl	71	40	56	-3	0.13	2	1.26	-0.76	16	104	-124	611
Kenai_Municipal	72	37	55	+2	0.22	3	1.35	-0.99	19	71	-35	517
Homer	62	37	51	-3	0.07	2	1.73	-0.54	20	26	-58	404
Kodiak	61	37	48	-5	6.76	5	28.89	+16.36	41	23	-57	363

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