

ALASKA CROP-WEATHER



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

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National Agricultural Statistics Service
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GENERAL: There were **5.0 days suitable for fieldwork** last week. Daytime high temperatures varied from the mid-sixties to low eighties. Lows were in the high thirties to fifty degrees. **Topsoil moisture** supplies were reported as 45% short and 55% adequate. **Subsoil moisture** supplies were reported as 55% short, 45% adequate. The **barley** crop was reported as 40% headed. The **oat** crop was 20% headed. **Condition of the barley** crop was 30% poor, 50% fair, 20% good. **Condition of the oat** crop was 20% poor, 40% fair, 40% good. **Potatoes** were 90% emerged. **Condition of the potato** crop was 5% poor, 25% fair, 65% good and 5% excellent. **Hay** harvest was reported as 50% complete. **Condition of the hay crop** was 5% poor, 45% fair, 45% good, 5% excellent.

CROP WEATHER SUMMARY June 30 - July 6, 2003		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	45%	55%
ADEQUATE	55%	45%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/30-07/06 MAT AES SITE: NA		

TANANA VALLEY: An average of **5.0 days** were suitable for fieldwork. **Topsoil moisture** was reported at 70% short, and 30% adequate. **Subsoil moisture supplies** were 75% short and 25% adequate. **Barley** was 40% headed. **Oats** were 20% headed. **Barley and oat condition** was reported as 30% poor, 50% fair, 20% good. **Potatoes** were 80% emerged. Condition of the potato crop was 10% poor, 50% fair, 40% good. **Hay** harvest was 60% complete. **Condition of the hay crop** was 10% poor, 70% fair, and 20% good. Some much needed rain fell, slowing the hay harvest but helping other crops. **Farm activities** for the week included harvesting hay, irrigating, weed control, and fertilizing hay.

MATANUSKA VALLEY: An average of **5.0 days** were suitable for fieldwork. **Topsoil moisture** was reported as 10% short and 90% adequate. **Subsoil moisture** was 30% short and 70% adequate. The **barley** crop was 80% headed. The **oat** crop was 20% headed. **Condition of the barley and oat crops** was 100% good. **Potato** were reported as 100% emerged. Condition of the potato crop was 10% fair, 80% good, 10% excellent. **Hay** harvest was reported as 50% complete with **condition of the hay crop** listed as 10% fair, 80% good, 10% excellent. Major **farm activities** during the week included irrigating, harvesting hay and vegetables, weed control and equipment repair.

KENAI PENINSULA: An average of **5.0 days** were suitable for fieldwork. **Topsoil and subsoil moisture supplies** were reported as 95% adequate and 5% surplus. **Potatoes** were 100% emerged. Condition of the potato crop was 10% poor, 10% fair, 30% good and 50% excellent. **Hay** harvest was 25% complete, with **condition of the hay crop** listed as 5% poor, 10% fair, 55% good and 30% excellent. Major **farm activities** for the week included weed control, equipment repair, and harvesting hay and produce.

Soil Temperatures (F^o) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2003	2002	2001	2003	2002	2001	High	Low	
UAF-AFES, Trunk Road	63	60	53	63	62	57	76	46	1.09
Sawmill Creek	54	na	60	na	na	na	85	43	0.30
Plant Materials Center	64	61	59	60	58	58	73	47	0.86

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, Inc.

For the Period: Monday June 30, 2003
 To: Sunday July 6, 2003

STATION	LAST WEEK WEATHER SUMMARY						May 1, 03 - July 6, 03					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	80	49	63	-1	0.29	4	0.67	-1.63	9	395	-22	923
Fairbanks/Eiels	82	50	63	+2	0.37	6	1.47	-1.35	20	431	+42	990
Nenana Muni AM	80	46	63	+2	0.47	5	2.72	+0.94	20	322	-24	814
Ftgreely/Allen	83	45	60	+0	0.63	2	1.28	-2.41	15	328	-29	828
Healy_River_Air	77	45	61	+3	0.45	5	2.41	-1.16	33	321	+58	817
Gulkana_Arpt_A	80	36	58	+3	0.46	2	2.44	-0.05	21	167	+12	627
Sutton	73	45	58	+2	0.70	3	4.26	+1.56	41	168	+7	685
Palmer_Municipa	76	46	59	+2	0.91	3	2.29	-0.04	26	245	+2	836
Talkeetna	83	48	63	+5	1.91	3	5.77	+1.18	29	419	+186	1019
Willow_Airport	75	48	61	+4	0.81	3	3.53	+1.58	40	341	+136	936
Anchorage Intl	71	47	59	+2	0.57	2	2.17	+0.17	23	249	+29	827
Kenai_Municipal	75	39	56	+3	0.97	2	3.82	+1.50	27	118	+17	611
Homer	64	42	54	+2	0.52	3	2.62	+0.35	26	68	-12	557
Kodiak	69	47	56	+4	0.52	4	9.03	-3.56	42	82	+6	557

DFN = Departure From Normal (Using 1961-90 Normals Period).
 Precipitation (Rainfall or melted snow/ice) and Pan Evap in inches.
 Precipitation Days = Days with precip of .01 inch or more.
 Air Temperatures in Degrees Fahrenheit.

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