

# ALASKA CROP-WEATHER



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Alaska Cooperative Extension  
Ag & Forestry Experiment Station

U.S. Department of Agriculture  
National Agricultural Statistics Service  
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**RELEASED:** June 30, 2003

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. Daytime high temperatures varied from the sixties to near eighty degrees. Lows were in the mid-thirties and forties. **Topsoil moisture** supplies were reported as 60% short and 40% adequate. **Subsoil moisture** supplies were reported as 40% short, 60% adequate. The **barley** crop was reported as 50% in-boot. The **oat** crop was 40% in-boot. **Condition of the barley** crop was 10% poor, 50% fair, 40% good. **Condition of the oat** crop was 10% poor, 40% fair, 50% good. **Potatoes** were 75% emerged. Condition of the potato crop was 5% fair, 85% good and 10% excellent. **Hay** harvest was reported as 25% complete. **Condition of the hay crop** was 10% poor, 35% fair, 50% good, 5% excellent.

CROP WEATHER SUMMARY June 23 - June 29, 2003		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	60%	40%
ADEQUATE	40%	60%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/23-06/29 MAT AES SITE: +0.908		

**TANANA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 80% short, and 20% adequate. **Subsoil moisture supplies** were 50% short and 50% adequate. **Barley** was 50% in-boot. **Oats** were 40% in-boot. **Barley and oat condition** was reported as 20% poor, 50% fair, 30% good. **Potatoes** were 50% emerged. **Hay** harvest was 25% complete. **Condition of the hay crop** was 20% poor, 50% fair, and 30% good. Two days of rain slowed the hay harvest but helped small grain crops. **Farm activities** for the week included weed control, fertilizing, mowing and baling hay, harvesting vegetables, preparing equipment, and irrigating.

**MATANUSKA VALLEY:** An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 25% short and 75% adequate. **Subsoil moisture** was 20% short and 80% adequate. The **barley** crop was 60% in-boot and some fields were beginning to head out. The **oat** crop was 50% in-boot. **Condition of the barley and oat crops** was 100% good. **Potato** were reported as 90% emerged. **Hay** harvest was reported as 25% complete with **condition of the hay crop** listed as 90% good and 10% excellent. Major **farm activities** during the week included irrigating, preparing equipment, weed control and harvesting of hay and vegetables.

**KENAI PENINSULA:** An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture supplies** were reported as 90% adequate and 10% surplus. **Potatoes** were 95% emerged. **Hay** harvest was 20% complete, with **condition of the hay crop** listed as 15% fair, 50% good and 35% excellent. Major **farm activities** for the week included weed control, fencing, preparing equipment, and harvesting hay and vegetables.

## Soil Temperatures ( F<sup>o</sup> ) 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	60	61	57	62	63	64	71	45	0.00
Sawmill Creek	49	na	64	na	na	na	75	35	0.76
Plant Materials Center	na	60	62	na	55	61	na	na	na

**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 23, 2003  
 To: Sunday June 29, 2003

STATION	LAST WEEK WEATHER SUMMARY						May 1, 03 - June 29, 03					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	78	48	61	-2	0.03	1	0.38	-1.57	5	306	-20	764
Fairbanks/Eiels	79	50	61	-1	0.53	4	1.10	-1.23	14	337	+32	826
Nenana Muni AM	75	42	58	-3	0.54	2	2.25	+0.85	15	229	-40	651
Ftgreely/Allen	76	46	59	-1	0.26	2	0.65	-2.41	13	254	-28	684
Healy_River_Air	73	46	59	+2	0.24	4	1.96	-0.98	28	240	+42	666
Gulkana_Arpt_A	72	42	55	-1	0.05	2	1.98	-0.09	19	109	-2	500
Sutton	68	45	54	-2	0.30	6	3.56	+1.31	38	113	-6	560
Palmer_Municipa	68	45	56	-2	0.05	3	1.38	-0.53	23	184	-4	705
Talkeetna	81	44	59	+3	0.33	3	3.86	-0.10	26	323	+150	853
Willow_Airport	70	48	57	+0	0.17	5	2.72	+1.11	37	261	+111	786
Anchorage Intl	66	48	56	-2	0.06	3	1.60	-0.12	21	184	+17	692
Kenai_Municipal	67	35	53	+0	0.07	3	2.85	+0.85	25	77	+5	500
Homer	63	40	50	-2	0.20	5	2.10	+0.11	23	36	-21	455
Kodiak	62	37	48	-4	1.91	5	8.51	-3.02	38	39	-16	444

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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