

# ALASKA CROP-WEATHER



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National Agricultural Statistics Service  
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**RELEASED:** June 23, 2003

**GENERAL:** There were **6.0 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. Conditions continue to be dry in the Tanana Valley as little rain fell. **Topsoil moisture** supplies were reported as 60% short and 40% adequate. **Subsoil moisture** supplies were reported as 50% short, 50% adequate. The **barley** crop was reported as 100% pre-boot. The **oat** crop was 95% pre-boot and 5% in-boot. **Condition of the barley** crop was 50% fair, 50% good. **Condition of the oat** crop was 40% fair, 60% good. **Planting of potatoes** was virtually complete, with 40% of the crop reported as emerged. Hay harvest was underway with less than 5% reported as harvested. **Condition of the hay crop** was 5% poor, 45% fair, 45% good, 5% excellent. General **crop growth** was 30% slow, 65% moderate and 5% rapid.

CROP WEATHER SUMMARY June 16 - June 22, 2003		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	60%	50%
ADEQUATE	40%	50%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/16-06/22 MAT AES SITE: +0.624		

**TANANA VALLEY:** An average of **7.0 days were suitable for fieldwork**. Conditions continued to be dry, as little to no rain fell last week. **Topsoil moisture** was reported at 95% short, and 5% adequate. **Subsoil moisture supplies** were 70% short and 30% adequate. **Barley** and **oats** were 100% pre-boot. **Barley and oat condition** was reported as 50% fair, 50% good. **Potatoes** were 25% emerged. **Condition of the hay crop** was 10% poor, 70% fair, and 20% good. Hay harvest was underway, but the lack of rain continued to stress the crop. **Crop growth** was reported as 50% slow, and 50% moderate. **Farm activities** for the week included weed control, planting forage crops, fertilizing, harvesting hay and vegetables, preparing equipment, and irrigating.

**MATANUSKA VALLEY:** An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short and 90% adequate. **Subsoil moisture** was 20% short and 80% adequate. The **barley** crop was 95% pre-boot and 5% in-boot. The **oat** crop was 75% pre-boot and 25% in-boot. **Condition of the barley and oat crops** was 100% good. **Potato** were reported as 50% emerged. Hay harvest continued with **condition of the hay crop** listed as 90% good and 10% excellent. **Crop growth** was reported as 95% moderate and 5% rapid. 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 85% adequate and 15% surplus. **Potato** planting was 99% complete with 85% of the crop reported as emerged. **Crop growth** was 5% slow, 60% moderate and 35% rapid. Hay harvest was underway near Homer, with **condition of the hay crop** listed as 10% fair, 50% good and 40% excellent. Major **farm activities** for the week included weed control, preparing equipment, and harvesting hay and vegetables.

## Soil Temperatures ( F<sup>0</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	58	60	60	59	64	68	42	0.10
Sawmill Creek	48	na	60	na	na	na	76	37	0.03
Plant Materials Center	60	58	61	56	54	59	66	41	0.19

**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 16, 2003  
 To: Sunday June 22, 2003

STATION	LAST WEEK WEATHER SUMMARY							May 1, 03 - June 22, 03					GDD BASE 40F TOT
	TEMPERATURE				PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN		
Fairbanks Intl	76	46	62	+2	0.00	0	0.35	-1.25	4	225	-17	613	
Fairbanks/Eiels	75	45	62	+3	0.02	1	0.57	-1.29	10	260	+34	679	
Nenana Muni AM	76	42	60	+1	0.01	1	1.71	+0.66	13	171	-25	523	
Ftgreely/Allen	75	48	59	+1	0.02	2	0.39	-2.04	11	188	-28	548	
Healy_River_Air	73	46	58	+2	0.18	4	1.72	-0.59	24	174	+34	530	
Gulkana_Arpt_A	72	34	52	-3	0.16	2	1.93	+0.28	17	73	-3	394	
Sutton	68	43	54	+0	0.50	6	3.26	+1.43	32	83	-1	460	
Palmer_Municipa	68	45	56	+0	0.10	2	1.33	-0.21	20	144	+4	595	
Talkeetna	80	46	60	+4	0.13	2	3.53	+0.20	23	256	+134	716	
Willow_Airport	72	47	58	+3	0.38	6	2.55	+1.22	32	212	+109	667	
Anchorage Intl	69	45	56	+1	0.32	4	1.54	+0.10	18	140	+19	578	
Kenai_Municipal	67	39	53	+2	0.44	4	2.78	+1.06	22	55	+6	410	
Homer	61	41	52	+2	0.03	2	1.90	+0.17	18	31	-7	381	
Kodiak	64	45	51	+2	1.09	6	6.60	-3.79	33	39	+0	386	

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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