

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** statewide last week. Cooler than normal temperature prevailed last week with daytime high temperatures generally in the sixties. Lows were mostly in the thirties to forties, with temperatures dipping into the mid twenties near Delta Junction. **Topsoil moisture** supplies were reported as 15% short, 75% adequate, 10% surplus. **Subsoil moisture** supplies were reported as 20% short, 80% adequate. The **barley** crop was reported as 5% harvested. Condition of the barley crop was reported as 20% poor, 55% fair, 25% good. The **oat** crop was 10% ripe. Condition of the oat crop was 10% poor, 55% fair, 35% good. **Potatoes** were reported as 10% harvested. Condition of the potato crop was 5% poor, 10% fair, 65% good, 20% excellent. **Second cutting hay** harvest was 20% complete. Condition of the **second cutting hay** crop was 5% poor, 20% fair, 50% good, 25% excellent.

CROP WEATHER SUMMARY August 18 - August 24, 2003		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	15%	20%
ADEQUATE	75%	80%
SURPLUS	10%	0%
PAN EVAPORATION FOR 8/18 - 8/24		
MAT AES SITE: +0.160		

TANANA VALLEY: An average of **5.0 days were suitable for fieldwork**. A hard frost occurred around Delta Junction. **Topsoil moisture** was reported at 20% short, 55% adequate, 20% surplus. Surplus topsoil moisture was reported in the Fairbanks area. **Subsoil moisture supplies** were 25% short, 75% adequate. **Barley** was 5% harvested. The **oat** crop was 10% ripe. Condition of the barley crop was 20% poor, 60% fair, 20% good. Condition of the oat crop was 10% poor, 70% fair, 20% good. **Potatoes** were reported as 5% harvested, mostly seed potatoes. Condition of the potato crop was 10% poor, 20% fair, 40% good, 30% excellent. **Second cutting hay** harvest was 20% complete, with rain hampering harvest. Condition of the **second cutting hay** crop was 10% poor, 25% fair, 35% good, 30% excellent. **Farm activities** for the week included mowing hay, harvesting grass seed, swathing barley, preparing for the rest of harvest, and attending the State fair.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was 100% adequate. **Subsoil moisture** was 20% short, 80% adequate. **Barley** was reported as 10% harvested. The barley crop condition was 80% good, 20% excellent. **Potatoes** were reported as 10% harvested, with seed and red potatoes being pulled. Condition of the potato crop was 80% good, 20% excellent. **Second cutting hay** harvest was 10% complete, with rain hampering the harvest. Condition of the **second cutting hay** crop was 10% fair, 80% good, 10% excellent. Major **farm activities** during the week included hay, grain, potato and vegetable harvests, weed control and equipment repair.

KENAI PENINSULA: An average of **4.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 10% harvested. Condition of the potato crop was 10% poor, 10% fair, 40% good, 40% excellent. **Second cutting hay harvest** was 60% complete. Condition of the second cutting hay was listed at 10% fair, 50% good, 40% excellent. Major **farm activities** for the week included waiting for the rain to stop, as well as hay and vegetable harvests.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2003	2002	2001	2003	2002	2001	High	Low	
UAF-AFES, Trunk Road	59	57	50	56	55	55	67	41	0.58
Sawmill Creek	46	48	60	na	na	na	69	25	0.04
Plant Materials Center	59	58	na	55	54	na	66	40	0.64

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 August 18, 2003
 To: Sunday August 24, 2003

STATION	LAST WEEK WEATHER SUMMARY						May 1, 03 - August 24, 03					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	70	41	52	-4	0.60	5	7.55	+2.43	37	812	-86	1822
Fairbanks/Eiels	68	37	51	-5	0.66	3	7.51	+1.02	46	851	-2	1888
Nenana Muni AM	67	38	51	-4	0.95	4	10.27	+5.25	48	684	-86	1650
Ftgreely/Allen	66	35	50	-5	0.10	4	4.64	-3.01	32	728	-61	1689
Healy River Air	68	37	51	-4	0.46	5	8.16	+0.55	67	695	+60	1655
Gulkana Arpt_A	63	32	48	-5	0.15	3	3.23	-2.16	34	496	+50	1422
Sutton	62	41	51	-3	0.42	6	8.86	+2.33	70	521	+61	1527
Palmer Municipa	67	40	54	-3	0.64	4	4.64	-1.12	49	693	+93	1774
Talkeetna	71	43	57	+3	0.49	4	16.97	+6.25	58	1033	+424	2123
Willow Airport	64	45	56	-1	0.40	6	7.62	+2.21	68	899	+293	1984
Anchorage Intl	66	45	55	-2	0.15	4	4.53	-1.16	41	777	+175	1845
Kenai Municipal	68	33	51	-4	3.10	2	6.63	+0.91	42	459	+116	1440
Homer	63	38	51	-3	0.38	3	5.09	-0.02	43	382	+84	1361
Kodiak	67	42	52	-3	2.07	4	15.45	-3.56	66	400	+78	1364

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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