

ALASKA CROP-WEATHER



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Alaska Cooperative Extension
Ag & Forestry Experiment Station

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National Agricultural Statistics Service
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GENERAL: There were **4.0 days suitable for fieldwork** statewide last week. The Fairbanks area received over 2.5 inches of rain last week. Daytime high temperatures were in the sixties to seventies. Lows were generally in the thirties and forties. **Topsoil moisture** supplies were reported as 10% short, 70% adequate, 20% surplus. **Subsoil moisture** supplies were reported as 20% short, 80% adequate. The **barley** crop was reported as 20% turning color. Condition of the barley crop was reported as 10% poor, 50% fair, 40% good. The **oat** crop was 70% in dough. Condition of the oat crop was 10% poor, 45% fair, 45% good. **Potatoes** were reported as 60% in bloom. Condition of the potato crop was 5% poor, 10% fair, 65% good, 20% excellent. **First cutting hay** harvest was reported as 95% complete. Condition of the **second cutting hay** crop was 5% poor, 15% fair, 65% good, 15% excellent. Second cutting should be underway soon.

CROP WEATHER SUMMARY July 28 - August 3, 2003		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	20%
ADEQUATE	70%	80%
SURPLUS	20%	0%
PAN EVAPORATION FOR 07/28-08/03		
MAT AES SITE:		+0.556

TANANA VALLEY: An average of **3.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 15% short, 60% adequate, 25% surplus. **Subsoil moisture supplies** were 25% short and 75% adequate. The Fairbanks area received over 2.5 inches of rain, while Delta Junction received less than half an inch. **Barley** was 15% turning color. The **oat** crop was 60% in dough. Condition of the barley crop was 10% poor, 55% fair, 35% good. Condition of the oat crop was 10% poor, 60% fair, 30% good. **Potatoes** were reported as 25% in bloom. Condition of the potato crop was 10% poor, 20% fair, 50% good, 20% excellent. **First cutting hay** harvest was reported as 95% complete. Condition of the **second cutting hay** crop was 5% poor, 25% fair, 50% good, 20% excellent. **Farm activities** for the week included harvesting hay, preparing machinery for grain and grass seed harvest and waiting for dry weather around Fairbanks to start harvesting hay.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was 90% adequate, 10% surplus. **Subsoil moisture** was 95% adequate, 5% surplus. **Barley** was 60% turning color. The **oat** crop was 20% in color, with some fields starting to ripen. Condition of both the barley and oat crops was 100% good. **Potatoes** were reported as 80% in bloom. Condition of the potato crop was 80% good, 20% excellent. **First cutting hay** harvest was reported as 95% complete. Condition of the **second cutting hay** crop was 100% good. Major **farm activities** during the week included harvesting hay, grass seed and vegetables, equipment repair, and weed control.

KENAI PENINSULA: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 30% short, 70% adequate. **Subsoil moisture supplies** were reported as 25% short and 75% adequate. **Potatoes** were reported as 90% in bloom. Condition of the potato crop was 5% fair, 50% good, 45% excellent. **First cutting hay harvest** was 95% complete. Condition of the second cutting hay was listed at 5% fair, 60% good, 35% excellent. Major **farm activities** for the week included harvesting hay and vegetables, fencing, and fertilizing hay and weed control.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u>
	2003	2002	2001	2003	2002	2001	High	Low	(inches)
UAF-AFES, Trunk Road	58	62	62	55	63	61	69	41	0.44
Sawmill Creek	49	56	64	na	na	na	71	34	0.34
Plant Materials Center	57	64	62	54	56	63	68	36	0.11

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 July 28, 2003
 To: Sunday August 3, 2003

STATION	LAST WEEK WEATHER SUMMARY						May 1, 03 - August 3, 03					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	67	43	52	-9	2.61	6	6.45	+2.54	24	671	-84	1475
Fairbanks/Eiels	68	43	52	-9	2.15	6	5.61	+0.71	36	710	-2	1544
Nenana Muni AM	69	40	51	-9	2.65	5	8.54	+4.90	37	564	-83	1327
Ftgreely/Allen	68	38	52	-8	0.54	4	4.02	-2.14	25	592	-60	1351
Healy River Air	66	39	51	-8	1.68	7	6.53	+0.58	54	564	+40	1324
Gulkana Arpt_A	66	34	52	-5	0.06	3	2.62	-1.51	27	402	+52	1137
Sutton	65	42	54	-3	0.92	6	6.36	+1.56	57	411	+58	1208
Palmer Municipa	68	42	56	-3	0.46	5	3.23	-1.01	39	530	+61	1401
Talkeetna	72	45	59	+1	1.90	4	12.84	+5.16	45	804	+323	1684
Willow Airport	66	45	58	-1	0.82	6	5.45	+1.79	55	699	+245	1574
Anchorage Intl	69	48	59	+1	0.48	3	2.86	-0.84	31	595	+137	1453
Kenai Municipal	69	38	56	+1	0.06	2	4.22	+0.22	33	353	+106	1126
Homer	70	42	55	+0	0.01	1	2.80	-0.86	32	264	+57	1033
Kodiak	68	47	56	+0	0.47	2	11.63	-4.54	54	263	+57	1018

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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