

ALASKA CROP-WEATHER



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

U.S. Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
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GENERAL: There were **6.0 days suitable for fieldwork** statewide last week. The Fairbanks area received over 0.7 inches of rain last week. Daytime high temperatures were in the sixties to seventies. Lows were mostly in the forties, with a few days in the thirtys. **Topsoil moisture** supplies were reported as 40% short, 60% adequate. **Subsoil moisture** supplies were reported as 35% short, 65% adequate. The **barley** crop was reported as 55% turning color. Condition of the barley crop was reported as 10% poor, 60% fair, 30% good. The **oat** crop was 25% turning color. Condition of the oat crop was 10% poor, 45% fair, 30% good, 15% excellent. **Potatoes** were reported as 70% in bloom. Condition of the potato crop was 5% poor, 10% fair, 50% good, 35% excellent. **First cutting hay** harvest was reported as 99% complete. Condition of the **second cutting hay** crop was 5% poor, 25% fair, 50% good, 20% excellent. Second cutting should be underway soon.

CROP WEATHER SUMMARY August 4 - August 10, 2003		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	40%	35%
ADEQUATE	60%	65%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/04-08/11		
MAT AES SITE: +1.043		

TANANA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 30% short, 70% adequate. **Subsoil moisture supplies** were 30% short and 70% adequate. **Barley** was 55% turning color. The **oat** crop was 20% turning color. Condition of the barley crop was 10% poor, 60% fair, 30% good. Condition of the oat crop was 10% poor, 60% fair, 30% good. **Potatoes** were reported as 45% in bloom. Condition of the potato crop was 10% poor, 20% fair, 50% good, 20% excellent. **First cutting hay** harvest was reported as 99% complete. Condition of the **second cutting hay** crop was 10% poor, 40% fair, 30% good, 20% excellent. **Farm activities** for the week included hay and grass seed harvests, baling of grass seed straw and irrigating 2nd cutting hay fields.

MATANUSKA VALLEY: An average of **7.0 days were suitable for fieldwork**. The Matanuska Valley received trace amounts of precipitation last week. **Topsoil moisture** was 65% adequate, 35% surplus. **Subsoil moisture** was 45% adequate, 55% surplus. **Barley** was 65% ripe. The **oat** crop was 50% ripe. The barley crop condition was 60% good, 40% excellent. Condition of the oat crop was 15% good, 85% excellent. **Potatoes** were reported as 90% in bloom. Condition of the potato crop was 55% good, 45% excellent. **First cutting hay** harvest was reported as 99% complete. Condition of the **second cutting hay** crop was 80% good, 20% excellent. Major **farm activities** during the week included hay and lettuce harvests, weed control, potato virus testing and equipment maintenance.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture supplies** were reported as 5% short and 95% adequate. **Potatoes** were reported as 90% in bloom. Condition of the potato crop was 10% fair, 30% good, 60% excellent. **First cutting hay harvest** was 99% complete. Condition of the second cutting hay was listed at 10% fair, 60% good, 30% excellent. Major **farm activities** for the week included hay and vegetable harvests and weed control.

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	63	56	53	65	54	56	81	43	0.05
Sawmill Creek	51	52	63	na	na	na	78	31	1.03
Plant Materials Center	63	na	59	61	na	58	81	38	0.02

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

1. Prepared By AWIS, Inc.

For the Period: Monday August 4, 2003
 To: Sunday August 10, 2003

STATION	LAST WEEK WEATHER SUMMARY						May 1, 03 - August 10, 03					GDD BASE 40F TOT
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	
Fairbanks Intl	75	42	55	-5	0.37	4	6.82	+2.49	28	708	-107	1582
Fairbanks/Eiels	75	39	55	-4	1.00	3	6.61	+1.15	39	749	-22	1651
Nenana Muni AM	76	36	54	-5	0.64	4	9.18	+5.05	41	594	-105	1426
Ftgreely/Allen	75	40	55	-3	0.52	3	4.54	-2.18	28	634	-73	1461
Healy_River_Air	75	45	56	-2	0.55	3	7.08	+0.57	57	610	+40	1437
Gulkana_Arpt_A	78	33	54	-2	0.33	2	2.95	-1.60	29	438	+49	1236
Sutton	77	41	58	+2	0.15	1	6.51	+1.15	58	467	+72	1334
Palmer Municipa	81	43	60	+3	0.09	1	3.32	-1.41	40	601	+83	1542
Talkeetna	87	45	64	+7	0.69	3	13.53	+4.89	48	900	+368	1850
Willow_Airport	81	46	63	+5	0.13	1	5.58	+1.36	56	789	+277	1734
Anchorage Intl	80	46	61	+4	0.01	1	2.87	-1.44	32	676	+163	1604
Kenai Municipal	80	35	56	+1	0.00	0	4.22	-0.30	33	398	+116	1241
Homer	73	43	57	+3	0.01	1	2.81	-1.27	33	316	+74	1155
Kodiak	77	46	59	+5	0.04	1	11.67	-5.34	55	331	+83	1156

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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