

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. Daytime high temperatures were in the sixties to eighties. Lows were mostly in the forties to fifties, with temperatures dipping into the high thirties near Delta Junction. **Topsoil moisture** supplies were reported as 35% short, 65% adequate. **Subsoil moisture** supplies were reported as 40% short, 60% adequate. The **barley** crop was reported as 55% turning color. Condition of the barley crop was reported as 20% poor, 50% fair, 30% good. The **oat** crop was 10% ripe. Condition of the oat crop was 10% poor, 50% fair, 40% good. **Potatoes** were reported as 90% in bloom. Condition of the potato crop was 5% poor, 10% fair, 55% good, 30% excellent. **Second cutting hay** harvest was 5% complete. Condition of the **second cutting hay** crop was 10% poor, 30% fair, 40% good, 20% excellent.

CROP WEATHER SUMMARY August 11 - August 17, 2003		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	35%	40%
ADEQUATE	65%	60%
SURPLUS	0%	0%
PAN EVAPORATION FOR 8/11 - 8/17 MAT AES SITE: -0.697		
PAN EVAPORATION FOR 08/04-08/11 MAT AES SITE: +1.043		

TANANA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 50% short, 50% adequate. **Subsoil moisture supplies** were 50% short and 50% adequate. **Barley** was 55% turning color. The **oat** crop was 10% ripe. Condition of the barley crop was 20% poor, 50% fair, 30% good. Condition of the oat crop was 10% poor, 60% fair, 30% good. **Potatoes** were reported as 100% in bloom. Condition of the potato crop was 10% poor, 20% fair, 40% good, 30% excellent. **Second cutting hay** harvest was just underway. Condition of the **second cutting hay** crop was 20% poor, 40% fair, 20% good, 20% excellent. **Farm activities** for the week included cutting hay, harvesting grass seed and forage oats, and baling grass straw.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was 15% short, 85% adequate. **Subsoil moisture** was 25% short, 75% adequate. Soil moisture levels in last week's release were incorrect. **Barley** was reported as 75% ripe. The barley crop condition was 70% good, 30% excellent. **Potatoes** were reported as 90% in bloom. Condition of the potato crop was 70% good, 30% excellent. **Second cutting hay** harvest was underway, with 5% of the crop reported as harvested. Condition of the **second cutting hay** crop was 10% fair, 80% good, 10% excellent. Major **farm activities** during the week included hay and vegetable harvests, weed control and equipment repair.

KENAI PENINSULA: An average of **3.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 85% adequate, 15% surplus. **Subsoil moisture supplies** were reported as 90% adequate, 10% surplus. **Potatoes** were reported as 90% in bloom. Condition of the potato crop was 5% fair, 45% good, 50% excellent. **Second cutting hay harvest** was underway. Condition of the second cutting hay was listed at 5% fair, 65% good, 30% excellent. Major **farm activities** for the week included waiting for the rain to stop, hay and vegetable harvests and preparing for the fair.

Soil Temperatures (F⁰) 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	59	58	50	56	57	55	79	49	1.08
Sawmill Creek	51	48	60	na	na	na	82	38	0.00
Plant Materials Center	60	60	na	57	56	na	66	46	0.28

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 11, 2003
 To: Sunday August 17, 2003

STATION	LAST WEEK WEATHER SUMMARY						May 1, 03 - August 17, 03					GDD BASE 40F TOT
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	
Fairbanks Intl	79	45	62	+6	0.13	4	6.95	+2.20	32	795	-67	1739
Fairbanks/Eiels	79	45	63	+7	0.24	4	6.85	+0.85	43	840	+23	1812
Nenana Muni AM	81	44	61	+5	0.14	3	9.32	+4.72	44	671	-69	1573
Ftgreely/Allen	80	45	62	+7	0.00	0	4.54	-2.67	28	718	-34	1615
Healy_River_Air	79	45	60	+5	0.62	5	7.70	+0.63	62	682	+75	1579
Gulkana_Arpt_A	81	35	58	+5	0.13	2	3.08	-1.89	31	495	+74	1363
Sutton	73	49	56	+2	1.93	6	8.44	+2.52	64	512	+82	1449
Palmer_Municipa	79	49	59	+3	0.68	5	4.00	-1.22	45	662	+100	1673
Talkeetna	82	54	61	+6	2.95	6	16.48	+6.81	54	981	+406	2001
Willow_Airport	77	52	60	+3	1.64	6	7.22	+2.44	62	858	+294	1873
Anchorage Intl	74	51	60	+3	1.51	5	4.38	-0.61	37	743	+182	1741
Kenai_Municipal	72	45	57	+3	2.31	7	6.53	+1.44	40	449	+134	1362
Homer	74	49	58	+5	1.90	7	4.71	+0.15	40	373	+103	1282
Kodiak	71	46	57	+2	1.71	7	13.38	-4.56	62	381	+94	1276

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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