

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: Planting was winding down across the state last week, with **6.0 days suitable for fieldwork**. Daytime high temperatures were in the sixties and seventies. Lows were in the upper twenties to mid-forties. Small amounts of rain fell in most areas but more precipitation is needed. **Topsoil moisture** supplies were reported as 40% short and 60% adequate. **Subsoil moisture** supplies were reported as 30% short, and 70% adequate. **Planting of barley** was complete and was 100% emerged. **Planting of oats** was 99% complete, and 95% emerged. **Planting of potatoes** was reported as 95% complete. **Vegetable** crops continued to be transplanted/seeded. **Condition of the hay crop** was 30% fair, 60% good, and 10% excellent. **Crop growth** was 20% slow, 60% moderate and 20% rapid. **Wind or rain damage** was reported only in the Delta Junction area.

CROP WEATHER SUMMARY June 2 - June 8, 2003		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	40%	30%
ADEQUATE	60%	70%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/02-06/08		
MAT AES SITE: + 1.311		

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 50% short, and 50% adequate. **Subsoil moisture supplies** were 40% short and 60% adequate. Planting of **barley** was 100% complete, with 100% emerged. Planting of **oats** for grain was also 100% complete, with 100% emerged. Planting of **potatoes** was 95% complete. **Crop growth** was reported as 30% slow, and 50% moderate and 20% rapid. **Wind or rain damage** was reported as 75% none, 10% light, 10% moderate and 5% severe. **Farm activities** for the week included spraying herbicides on hay and grain, preparing hay equipment, and planting forage oats and potatoes.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 40% short and 60% adequate. **Subsoil moisture** was 20% short and 80% adequate. Planting of **barley** was 100% complete, with 100% emerged. Planting of **oats** was 95% complete, with 75% emerged. **Potato** planting was nearing completion. **Crop growth** was reported as 80% moderate and 20% rapid. No **wind or rain damage** was reported. Major **farm activities** during the week included irrigating, equipment repair, weed control, planting small grains, potatoes, and vegetables.

KENAI PENINSULA: An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture supplies** were reported as 100% adequate. Planting of potatoes continued. No **wind or rain damage** was reported. Major **farm activities** for the week included planting vegetables, and equipment repair.

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	54	52	56	55	51	56	70	36	0.01
Sawmill Creek	42	na	53	na	na	na	76	29	0.17
Plant Materials Center	52	50	58	52	48	57	67	35	0.00

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 June 2, 2003
 To: Sunday June 8, 2003

STATION	LAST WEEK WEATHER SUMMARY						May 1, 03 - June 8, 03					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	77	43	54	-4	0.07	1	0.35	-0.57	4	72	-31	320
Fairbanks/Eiels	77	45	56	-2	0.14	1	0.53	-0.52	8	91	-6	370
Nenana Muni AM	74	36	53	-4	1.02	4	1.67	+1.14	10	47	-32	266
Ftgreely/Allen	73	38	54	-2	0.04	2	0.37	-0.90	9	66	-43	286
Healy_River_Air	72	39	53	-2	0.81	5	1.50	+0.28	19	57	+5	273
Gulkana_Arpt_A	68	32	49	-3	0.54	3	1.38	+0.46	13	15	-14	199
Sutton	66	40	51	+0	0.58	5	2.25	+1.11	22	21	-13	258
Palmer Municipa	69	39	52	-2	0.00	0	0.93	+0.00	14	51	-13	363
Talkeetna	75	41	55	+3	0.24	4	2.97	+0.77	18	102	+57	422
Willow_Airport	72	44	55	+3	0.29	5	1.73	+0.89	22	89	+55	404
Anchorage Intl	65	42	52	+0	0.06	3	0.80	-0.14	11	44	-8	342
Kenai Municipal	65	30	48	-2	0.56	3	1.54	+0.35	12	8	-10	223
Homer	60	36	47	-1	0.29	3	1.03	-0.28	11	1	-14	211
Kodiak	53	37	46	-1	1.99	5	3.85	-4.02	20	13	-5	228

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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