

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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RELEASED: September 8, 2003

GENERAL: There were **5.0 days suitable for fieldwork** statewide. Daytime high temperatures were generally in the fifties to sixties. Lows were mostly in the thirties to forties. **Topsoil moisture** supplies were reported as 5% short, 65% adequate, 30% surplus. **Subsoil moisture** supplies were reported as 15% short, 85% adequate. The **barley** crop was reported as 25% harvested. The **oat** crop was 15% harvested. **Potatoes** were reported as 30% harvested. **Second cutting hay** harvest was 45% complete statewide. Winter supplies of hay were reported as 30% short, 70% adequate. **Wind and rain damage** to small grains was reported as 95% none, 5% light. Harvest was underway across the state.

CROP WEATHER SUMMARY September 1 - September 7, 2003		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	5%	15%
ADEQUATE	65%	85%
SURPLUS	30%	0%
PAN EVAPORATION FOR 9/01 - 9/07		
MAT AES SITE: -0.288		

TANANA VALLEY: An average of **4.0 days were suitable for fieldwork**. The Tanana Valley received over an inch of rain early last week. **Topsoil moisture** was reported as 45% adequate, 55% surplus. **Subsoil moisture supplies** were 15% short, 85% adequate. **Barley** was 25% harvested. The **oat** crop was 15% harvested. **Potatoes** were reported as 10% harvested. **Second cutting hay** harvest was 50% complete, with rain continuing to hamper the harvest. No **wind and rain damage** to small grains was reported. **Farm activities** for the week included tedding hay, combining barley and oats, harvesting potatoes and vegetables and equipment repair.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was 5% short, 95% adequate. **Subsoil moisture** was 15% short, 85% adequate. **Barley** was reported as 30% harvested. The **oat** harvest continued. **Potatoes** were reported as 40% harvested. **Second cutting hay** harvest was 35% complete. **Wind and rain damage** to small grains was reported as 95% none, 5% light. Major **farm activities** during the week included hay, grain, potato and vegetable harvests, weed control and equipment repair.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 5% short, 95% adequate. **Subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 40% harvested. **Second cutting hay harvest** was 60% complete. Major **farm activities** for the week included harvesting hay, potatoes and vegetables.

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	55	56	37	54	53	47	64	35	0.01
Sawmill Creek	46	45	52	na	na	na	62	28	1.65
Plant Materials Center	56	56	55	54	52	48	63	32	0.04

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 September 1, 2003
 To: Sunday September 7, 2003

STATION	LAST WEEK WEATHER SUMMARY						May 1, 03 - September 7, 03					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	58	34	49	-2	0.84	6	8.94	+3.16	48	866	-70	2002
Fairbanks/Eiels	57	32	49	-2	1.80	6	9.90	+2.58	56	895	+4	2057
Nenana Muni AM	60	30	49	-1	1.21	5	11.79	+6.12	59	730	-70	1818
Ftgreely/Allen	60	34	48	-3	1.15	4	6.49	-1.85	38	760	-75	1845
Healy_River_Air	55	34	48	-3	0.99	5	9.56	+1.04	77	741	+76	1823
Gulkana_Arpt_A	65	26	47	-1	0.41	2	4.37	-1.73	41	507	+30	1540
Sutton	60	36	50	+0	0.47	4	10.37	+2.44	81	540	+42	1683
Palmer_Municipa	63	41	53	+1	0.20	3	5.33	-1.60	56	743	+91	1964
Talkeetna	70	39	55	+5	0.42	5	18.60	+5.70	70	1131	+481	2361
Willow_Airport	66	42	54	+2	0.40	3	8.81	+2.13	78	965	+313	2190
Anchorage Intl	67	43	55	+3	0.08	4	5.34	-1.75	52	851	+194	2059
Kenai_Municipal	64	35	52	+2	0.00	0	7.41	+0.24	47	521	+140	1642
Homer	62	39	50	-2	0.00	0	6.29	-0.21	49	421	+84	1538
Kodiak	64	39	52	+0	0.17	2	19.47	-2.38	75	439	+70	1542

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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