

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension
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U.S. Department of Agriculture
National Agricultural Statistics Service
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GENERAL: There were **5.0 days suitable for fieldwork** last week. Most growing areas received several days of rain, however, amounts varied widely. **Topsoil moisture** supplies were reported as 30% short, 70% adequate. **Subsoil moisture** supplies were 55% short, 45% adequate. The **barley** crop was reported as 35% in dough, 55% turning color, 5% ripe, 5% harvested. The **oat** crop was reported as 70% in dough, 30% turning color. **Condition of the barley** crop was listed as 5% fair, 40% good, 55% excellent. **Condition of the oat** crop was listed as 5% poor, 30% fair, 50% good, 15% excellent. **Potatoes** were reported as 75% in bloom statewide. **Condition of the potato** crop was listed as 15% fair, 50% good, 35% excellent. **Crop growth** was listed as 60% slow, 35% moderate, 5% rapid. **The first cutting of hay** is close to complete. **Condition of the second cutting hay** crop was listed as 25% poor, 30% fair, 35% good, 10% excellent. **Pasture and range condition** was 20% poor, 35% fair, 40% good, 5% excellent. Farm activities for the week include, weed control, fertilizing, irrigation, harvesting vegetables, fence repair, marketing crops and preparing equipment for grain and hay harvest.

CROP WEATHER SUMMARY July 26 - August 01, 2004		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	30%	55%
ADEQUATE	70%	45%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/26-08/01 MAT AES SITE: +0.355		

TANANA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture supplies** were 45% short, 55% adequate. **Barley** was reported at 35% in dough, 55% turning color, 5% ripe, 5% harvested. Harvest is underway in the Fairbanks area. **Oats** were 70% in dough, 30% turning color. **Condition of the barley** crop was listed as 5% fair, 40% good, 55% excellent. The **oat** crop was 30% fair, 50% good, 20% excellent. **Potatoes** were reported as 50% in bloom. **First cutting hay** harvest was complete. **Condition of the second cutting hay** crop was listed as 20% poor, 30% fair, 40% good, 10% excellent. **Pasture and range condition** was 40% fair, 50% good, 10% excellent. **Farm activities** for the week included harvesting barley and vegetables, building fence, weed control, fertilizing hay fields for second cutting and preparing for grain harvest.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 75% short, 25% adequate. **Subsoil moisture** was 90% short, 10 adequate. **Potatoes** were 90% in bloom. **Second cutting hay** harvest should begin next week. **Condition of the second cutting hay** crop was listed as 35% poor, 40% fair and 25% good. **Pasture and range condition** was 50% poor, 35% fair, 15% good. Major **farm activities** included irrigation, harvesting hay and vegetables, equipment and fence repair, weed control and irrigation.

KENAI PENINSULA: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture and subsoil moisture supplies** were reported as 100% adequate. **Potatoes** were 60% in bloom. **First cutting hay** harvest was nearing completion. **Condition of the second cutting hay** crop was listed as 20% fair, 40% good, 40% excellent. **Pasture and range condition** was 5% poor, 5% fair, 75% good, 15% excellent. Major **farm activities** for the week included harvesting hay and vegetables, equipment repair and weed control.

Soil Temperatures (F⁰) at 4 inch depth

	Grass			Fallow land			Temperature		Precip (inches)
	2004	2003	2002	2004	2003	2002	High	Low	
UAF-AFES, Trunk Road	63	58	62	57	55	63	74	50	0.45
Sawmill Creek	54	49	56	na	na	na	77	37	0.25
Plant Materials Center	60	57	64	59	54	56	70	48	0.20

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 26, 2004
 To: Sunday August 1, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - August 1, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	75	49	62	+1	0.68	4	3.22	-0.62	32	1065	+320	1944
Fairbanks/Eiels	79	50	64	+5	0.34	5	5.07	+0.26	41	1139	+436	2037
Nenana_Muni_AM	77	48	62	+3	1.13	6	6.14	+2.57	44	945	+306	1817
Ftgreely/Allen	73	50	61	+2	0.29	4	4.48	-1.59	33	927	+285	1798
Healy_River_Air	70	47	60	+2	0.59	7	4.52	-1.34	62	857	+341	1722
Gulkana_Arpt_A	71	46	57	+2	0.81	6	2.11	-1.95	25	652	+308	1529
Sutton	70	46	57	+1	1.08	7	5.38	+0.68	52	488	+141	1356
Palmer_Municipa	72	49	60	+3	1.41	4	2.67	-1.49	29	709	+248	1624
Talkeetna	73	47	60	+3	0.42	3	3.79	-3.72	29	788	+315	1695
Willow_Airport	71	50	59	+1	0.94	6	4.33	+0.75	45	753	+308	1663
Anchorage_Intl	70	48	59	+0	0.56	4	2.43	-1.17	21	624	+174	1510
Kenai_Municipal	71	40	56	+1	0.86	5	2.91	-0.99	30	429	+187	1268
Homer	63	45	56	+2	0.60	5	2.21	-1.35	30	356	+154	1180
Kodiak	62	45	54	-2	1.68	6	20.82	+4.97	58	290	+90	1096

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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