

ALASKA CROP-WEATHER



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

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National Agricultural Statistics Service
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GENERAL: There were **6.0 days suitable for fieldwork** last week. Daytime high temperatures were in the seventies and eighties across the state. Lows were in the forties and fifties. **Topsoil moisture** supplies were reported as 50% short and 50% adequate, as little rain fell. **Subsoil moisture** supplies were reported as 55% short, and 45% adequate. The **barley** crop was reported as 20% in dough, compared with the five year average of 15% dough. Condition of the barley crop was reported as 30% poor, 50% fair, 20% good. The **oat** crop was 80% headed. Condition of the oat crop was 15% poor, 40% fair, 45% good. **Potatoes** were reported as 10% in bloom. Condition of the potato crop was 5% poor, 20% fair, 70% good, 5% excellent. **First cutting hay** harvest was reported as 80% complete. Condition of the **hay** crop was 5% poor, 30% fair, 55% good, 10% excellent. **Range and pasture conditions** were reported as 10% poor, 30% fair, 55% good, 5% excellent.

CROP WEATHER SUMMARY July 7- July 13, 2003		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	50%	55%
ADEQUATE	50%	45%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/07 - 07/13 MAT AES SITE: +1.270		

TANANA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 65% short, 35% adequate. **Subsoil moisture supplies** were 75% short, 35% adequate. **Barley** was 20% in the dough stage. Condition of the barley crop was reported as 30% poor, 50% fair, 20% good. The **oat** crop was 80% headed. Condition of the oat crop was 20% poor, 50% fair, 30% good. **Potatoes** were reported as 100% emerged, 0% in bloom. Condition of the potato crop was 10% poor, 40% fair, 50% good. **First cutting hay** harvest was reported as 85% complete. Condition of the **hay** crop was 10% poor, 50% fair, 40% good. **Farm activities** for the week included harvesting and marketing hay, fertilizing second cutting brome hay acres, hilling potatoes, tilling summer fallow and cleaning up berm rows and regrowth.

MATANUSKA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 25% short, 75% adequate. **Subsoil moisture supplies** were 30% short, 70% adequate. **Barley** was 100% headed. The **oat** crop was 75% headed. Condition of the barley and oat crops was 100% good. **Potatoes** were reported as 10% in bloom. Condition of the potato crop was 10% fair, 80% good, 10% excellent. **First cutting hay** harvest was reported as 80% complete. Condition of the **hay** crop was 85% good, 15% excellent. Major **farm activities** during the week included harvesting hay, equipment repair, weed control, fertilizing and irrigating. Local produce was showing up in grocery stores.

KENAI PENINSULA: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 30% short, 70% adequate. **Subsoil moisture supplies** were 20% short, 80% adequate. **Potatoes** were reported as 60% in bloom. Condition of the potato crop was 10% fair, 60% good, 30% excellent. **First cutting hay** harvest was reported as 45% complete. Condition of the **hay** crop was 20% fair, 40% good, 40% excellent. Major **farm activities** for the week included harvesting hay and vegetables, weed control, fencing and irrigating.

Soil Temperatures (F⁰) at 4 inch depth

	Grass			Fallow land			Temperature		Precip (inches)
	2003	2002	2001	2003	2002	2001	High	Low	
UAF-AFES, Trunk Road	64	64	56	67	64	58	85	48	0.00
Sawmill Creek	56	na	64	na	na	na	87	44	0.10
Plant Materials Center	na	62	58	na	58	59	na	na	na

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 July 7, 2003
 To: Sunday July 13, 2003

STATION	LAST WEEK WEATHER SUMMARY						May 1, 03 - July 13, 03					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	85	51	65	+3	0.40	3	1.07	-1.58	12	503	-5	1101
Fairbanks/Eiels	84	54	66	+4	0.61	4	2.08	-1.23	24	543	+66	1172
Nenana Muni AM	85	48	64	+3	0.50	4	3.22	+1.02	24	421	-9	983
Ftgreely/Allen	85	52	64	+3	0.17	1	1.45	-2.87	16	427	-7	997
Healy_River_Air	84	50	62	+3	0.22	4	2.63	-1.57	37	405	+72	971
Gulkana_Arpt_A	81	41	61	+5	0.02	1	2.46	-0.41	22	247	+43	777
Sutton	79	45	61	+5	0.02	1	4.28	+1.09	42	248	+40	835
Palmer_Municipa	84	48	63	+5	0.05	1	2.34	-0.43	27	333	+34	994
Talkeetna	89	53	67	+9	0.09	3	5.86	+0.59	32	543	+247	1213
Willow_Airport	83	53	65	+7	0.02	1	3.55	+1.25	41	451	+186	1116
Anchorage Intl	84	52	64	+7	0.00	0	2.17	-0.17	23	349	+73	997
Kenai_Municipal	82	43	59	+5	0.00	0	3.82	+1.15	27	181	+45	744
Homer	75	45	57	+4	0.02	1	2.64	+0.08	27	119	+11	678
Kodiak	80	46	56	+3	1.12	2	10.15	-3.42	44	128	+24	673

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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