

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension
RELEASED: August 23, 2004



U.S. Department of Agriculture
National Agricultural Statistics Service
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GENERAL: There were **6.0 days suitable for fieldwork** last week. Temperatures ranged from 6 to 13 degrees above average again last week. The Mat-Su Valley received some rain last week but the Tanana Valley saw little to no precipitation.

Topsoil moisture supplies were reported as 75% short, 25% adequate. **Subsoil moisture** supplies were 65% short, 35% adequate. The **barley** crop was reported as 25% ripe, 75% harvested. The **oat** crop was reported as 50% ripe, 50% harvested. **Condition of the barley** crop was listed as 30% fair, 50% good, 20% excellent. **Condition of the oat** crop was listed as 50% fair, 50% good. **Potatoes** harvest was just getting underway. **Condition of the potato** crop was listed as 20% fair, 45% good, 35% excellent. **The second harvest of hay** was reported as 15% complete. Regrowth on the second cutting has been slow due to the hot, dry weather. **Condition of the second cutting hay** crop was listed as 35% poor, 30% fair, 20% good, 15% excellent. Farm activities for the week include irrigation, weed control, equipment repair, preparing for the potato harvest and harvesting vegetables, hay and small grains.

CROP WEATHER SUMMARY August 16 - August 23, 2004		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	75%	65%
ADEQUATE	25%	35%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/16-08/22 MAT AES SITE: +1.054		

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 80% short, 20% adequate. **Subsoil moisture supplies** were 60% short, 40% adequate. **Barley** was reported as 25% ripe, 75% harvested. **Oats** were 50% ripe, 50% harvested. **Condition of the barley** crop was listed as 30% fair, 50% good, 20% excellent. The **oat** crop was 50% fair, 50% good. **Potatoes** harvest should begin in the next two weeks. **Second cutting hay** harvest was 15% complete. **Condition of the second cutting hay** crop was listed as 30% poor, 30% fair, 20% good, 20% excellent. **Farm activities** for the week included harvesting small grains, hay and vegetables, baling straw, preparing for potato harvest and weed control.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 75% short, 25% adequate. **Subsoil moisture supplies** were reported as 85% short, 15% adequate. **Potatoes** harvest was just underway. **Small grain harvest** continued. **Second cutting hay** harvest slowly continued with only a few fields harvested. **Condition of the second cutting hay** crop was listed as 55% poor, 25% fair, 20% good. Major **farm activities** included irrigation, harvesting hay, small grains, grass seed and vegetables, equipment and fence repair, weed control and irrigation.

KENAI PENINSULA: An average of **4.0 days were suitable for fieldwork**. **Topsoil moisture and subsoil supplies** were reported as 100% adequate. **Potatoes** were 10% harvested. **Second cutting hay** harvest was 80% complete. **Condition of the second cutting hay crop** was listed as 30% fair, 50% good, 20% excellent. Major **farm activities** for the week included equipment repair and harvesting hay, potatoes and vegetables.

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	62	59	57	59	56	55	84	46	0.74
Sawmill Creek	56	46	48	na	na	na	82	41	0.17
Plant Materials Center	63	59	58	60	55	54	na	na	na

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 16, 2004
 To: Sunday August 22, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - August 22, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	83	54	68	+13	0.00	0	3.52	-1.54	34	1395	+501	2484
Fairbanks/Eiels	82	50	67	+13	0.00	0	5.54	-0.87	43	1473	+624	2581
Nenana Muni AM	83	50	65	+12	0.02	2	6.81	+1.85	49	1248	+482	2330
Ftgreely/Allen	81	51	66	+12	0.00	0	4.75	-2.83	34	1230	+447	2311
Healy River Air	86	49	66	+13	0.00	0	4.93	-2.60	63	1158	+526	2233
Gulkaņa Arpt_A	84	37	58	+7	0.00	0	2.25	-3.07	26	844	+401	1931
Sutton	81	46	59	+6	0.32	2	5.82	-0.60	57	686	+230	1764
Palmer Municipa	85	47	62	+7	0.62	2	3.32	-2.35	33	971	+376	2096
Talkeetna	86	48	63	+9	0.11	2	3.91	-6.62	32	1072	+467	2189
Willow Airport	82	50	63	+7	0.26	2	4.68	-0.63	50	1030	+429	2150
Anchorage Intl	81	50	62	+7	0.14	2	2.89	-2.68	25	894	+297	1990
Kenai Municipal	83	41	60	+7	0.36	3	3.29	-2.31	34	612	+273	1661
Homer	77	47	59	+7	0.13	3	2.37	-2.62	36	546	+252	1580
Kodiak	78	55	61	+6	0.62	3	23.25	+4.60	69	464	+147	1480

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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