

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension
RELEASED: August 9, 2004



U.S. Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
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GENERAL: There were **6.0 days suitable for fieldwork** last week. Conditions remain warm and dry in most of the growing areas. Temperatures were 3 to 7 degrees above normal last week. Most areas could use some rain. **Topsoil moisture** supplies were reported as 60% short, 40% adequate. **Subsoil moisture** supplies were 50% short, 50% adequate. The **barley** crop was reported as 20% turning color, 70% ripe, 10% harvested. The **oat** crop was reported as 15% in dough, 60% turning color, 25% ripe. **Condition of the barley** crop was listed as 20% fair, 50% good, 30% excellent. **Condition of the oat** crop was listed as 50% fair, 50% good. **Potatoes** were reported as 80% in bloom statewide. **Condition of the potato** crop was listed as 15% fair, 45% good, 40% excellent. **Crop growth** was listed as 70% slow, 25% moderate, 5% rapid. **The second cutting of hay** is underway with 5% reported as harvested. **Condition of the second cutting hay** crop was listed as 30% poor, 30% fair, 30% good, 10% excellent. **Pasture and range condition** was 20% poor, 40% fair, 35% good, 5% excellent. Farm activities for the week include irrigation, weed control, equipment repair and harvesting vegetables, hay and barley.

CROP WEATHER SUMMARY August 02 - August 08, 2004		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	60%	50%
ADEQUATE	40%	50%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/02-08/08 MAT AES SITE: N/A		

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 50% short, 50% adequate. **Subsoil moisture supplies** were 30% short, 70% adequate. **Barley** was reported at 20% turning color, 70% ripe, 10% harvested. Harvest is just underway in Delta Junction. **Oats** were 15% dough, 60% turning color, 25% ripe. **Condition of the barley** crop was listed as 20% fair, 50% good, 30% excellent. The **oat** crop was 50% fair, 50% good. **Potatoes** were reported as 60% in bloom. **Second cutting hay** harvest was 5% complete. **Condition of the second cutting hay** crop was listed as 30% poor, 35% fair, 25% good, 10% excellent. **Pasture and range condition** was 50% fair, 50% good. **Farm activities** for the week included harvesting barley, hay and vegetables, weed control and preparing for grain harvest.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture supplies** were both reported as 95% short, 5% adequate. **Potatoes** were 95% in bloom. **Second cutting hay** harvest was underway. **Condition of the second cutting hay** crop was listed as 35% poor, 35% fair, 30% good. **Pasture and range condition** was 50% poor, 35% fair, 15% good. Major **farm activities** included irrigation, harvesting hay, barley and vegetables, equipment and fence repair, weed control, irrigation and seed cleaning.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture supplies** were reported as 15% short, 80% adequate, 5% surplus. **Subsoil moisture supplies** were reported as 10% short, 85% adequate, 5% surplus. **Potatoes** were 75% in bloom. **Second cutting hay** harvest was underway. **Condition of the second cutting hay crop** was listed as 10% fair, 60% good, 30% excellent. **Pasture and range condition** was 10% poor, 10% fair, 50% good, 30% excellent. Major **farm activities** for the week included harvesting hay and vegetables, fencing, clearing land, 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	63	56	64	65	54	80	45	0.00
Sawmill Creek	57	51	52	na	na	na	83	38	0.33
Plant Materials Center	63	63	na	61	61	na	79	40	0.00

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 2, 2004
 To: Sunday August 8, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - August 8, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	82	46	63	+5	0.28	1	3.50	-0.76	33	1158	+351	2107
Fairbanks/Eiels	82	48	64	+7	0.46	1	5.53	+0.16	42	1242	+479	2210
Nenana Muni AM	81	47	62	+5	0.65	3	6.79	+2.73	47	1031	+339	1973
Ftgreely/Allen	80	47	62	+4	0.27	1	4.75	-1.88	34	1010	+311	1951
Healy River Air	82	36	61	+4	0.41	1	4.93	-1.49	63	933	+369	1868
Gulkana Arpt A	83	38	60	+5	0.14	1	2.25	-2.23	26	720	+336	1667
Sutton	75	41	60	+4	0.04	1	5.42	+0.16	53	557	+168	1495
Palmer Municipa	80	45	62	+6	0.03	2	2.70	-1.95	31	795	+284	1780
Talkeetna	82	46	62	+5	0.01	1	3.80	-4.66	30	877	+352	1854
Willow Airport	77	48	62	+5	0.03	1	4.36	+0.23	46	841	+337	1821
Anchorage Intl	78	49	63	+5	0.01	1	2.44	-1.76	22	713	+207	1669
Kenai Municipal	78	37	57	+3	0.00	0	2.91	-1.50	30	484	+207	1393
Homer	78	43	58	+4	0.01	1	2.22	-1.76	31	416	+179	1310
Kodiak	76	44	58	+4	0.25	4	21.07	+4.38	62	349	+107	1225

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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