

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 **6.0 days suitable for fieldwork** last week. Temperatures cooled a bit last week, reaching into the mid 80's in the Tanana Valley. Although it rained some, most growing areas across the state could still use some rain. **Topsoil moisture** supplies were reported as 45% short, 55% adequate. **Subsoil moisture** supplies were 35% short, 65% adequate. The **barley** crop was reported as 20% pre-boot, 50% booted and 30% headed. **Oat** crops were reported as 50% pre-boot, 30% booted and 20% headed. **Condition of the barley and oat** crop was listed as 100% good. **Potatoes** were reported as 100% emerged and 10% in bloom statewide. **Crop growth** was listed as 10% slow, 70% moderate, 20% rapid. **The initial hay** harvest is almost complete with 90% of the first cutting reported as harvested. **Condition of the hay** crop was listed as 35% fair, 45% good, 20% excellent. Farm activities for the week included harvesting hay, harvesting vegetables, weed control, fertilizing and irrigation activities.

CROP WEATHER SUMMARY June 28 - July 06, 2004		
DAYS SUITABLE FOR FIELDWORK: 7.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	45%	35%
ADEQUATE	55%	65%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/28-07/06 MAT AES SITE: +0.38		

TANANA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 35% short, 65% adequate. **Subsoil moisture supplies** were 20% short, 80% adequate. **Barley** was reported at 20% pre-boot, 50% boot and 30% headed. **Oats** were 60% pre-boot, 40% booted. **Condition of the barley** crop was listed as 100% good. The **oat** crop was 100% good. **Potatoes** were reported as 100% emerged and 10% in bloom. **Crop growth** was listed as 20% slow, 70% moderate, 10% rapid. **Hay** harvest was 90% complete. **Condition of the hay** crop was listed as 50% fair, 20% good, 30% excellent. **Farm activities** for the week included harvesting hay, weed control, irrigation, and fertilizing hay fields for second cutting.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 70% short, 30% adequate. **Subsoil moisture supplies** were reported as 70% short, 30% adequate. **Barley** was reported as 10% booted and 90% headed. **Oats** were 95% headed. **Potatoes** were 100% emerged and 10% in bloom. **Crop growth** was listed as 5% slow, 75% moderate, 20% rapid. **Hay** harvest was 95% complete, with a few fields waiting to be baled. **Condition of the hay** crop was listed as 10% fair and 90% good. Major **farm activities** during the week included harvesting hay, harvesting vegetables, equipment repair, weed control and irrigation.

KENAI PENINSULA: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 100% adequate. **Subsoil moisture supplies** were reported as 100% adequate. **Potatoes** were 95% emerged. **Crop growth** was listed as 25% moderate, 75% rapid. **Hay** harvest was 30% complete. **Condition of the hay** crop was listed as 20% fair, 60% good, 20% excellent. Major **farm activities** for the week included harvesting hay and vegetables.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2004	2003	2002	2004	2003	2002	High	Low	
UAF-AFES, Trunk Road	62	63	60	61	63	62	78	53	0.11
Sawmill Creek	na	54	na	na	na	na	na	na	na
Plant Materials Center	58	64	61	59	60	58	63	51	0.01

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 June 28, 2004
 To: Sunday July 4, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - July 4, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	86	51	66	+4	0.00	0	1.97	-0.27	20	660	+256	1259
Fairbanks/Eiels	86	50	65	+4	0.04	1	3.94	+1.20	26	684	+307	1302
Nenana Muni AM	84	47	63	+2	0.12	1	3.51	+1.79	27	552	+217	1144
Ftgreely/Allen	84	50	66	+6	0.00	0	2.89	-0.70	18	551	+206	1142
Healy River Air	82	52	65	+7	0.12	3	2.82	-0.65	40	487	+234	1072
Gulkaņa Arpt A	79	41	61	+5	0.03	1	1.01	-1.41	14	358	+210	955
Sutton	72	52	57	+2	0.22	4	2.80	+0.19	34	229	+74	817
Palmer Municipa	73	49	59	+2	0.10	2	0.96	-1.30	21	363	+128	998
Talkeetna	76	54	61	+3	0.41	2	3.05	-1.41	20	413	+189	1040
Willow Airport	72	54	60	+3	0.20	4	2.53	+0.64	31	395	+198	1025
Anchorage Intl	68	51	58	+0	0.10	2	1.75	-0.19	14	285	+73	891
Kenai Municipal	67	48	56	+3	0.04	2	1.79	-0.45	18	184	+88	743
Homer	66	45	55	+3	0.04	3	1.49	-0.70	20	134	+58	678
Kodiak	56	47	52	+0	1.70	7	15.07	+2.83	40	84	+11	610

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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