

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension
RELEASED: July 12, 2004



U.S. Department of Agriculture
National Agricultural Statistics Service
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GENERAL: There were **5.0 days suitable for fieldwork** last week. Temperatures remained above normal across most of the State. Rain fell in the Tanana Valley but Mat-Su and the Kenai saw almost no precipitation. Conditions remain dry across the state. **Topsoil moisture** supplies were reported as 65% short, 35% adequate. **Subsoil moisture** supplies were 30% short, 70% adequate. The **barley** crop was reported as 80% headed, 20% in dough. The **oat** crop was reported as 20% booted and 80% headed. **Condition of the barley** crop was listed as 45% good, 55% excellent. **Condition of the oat** crop was listed as 25% fair, 60% good, 15% excellent. **Potatoes** were reported as 25% in bloom statewide. **Crop growth** was listed as 25% slow, 45% moderate, 30% rapid. **The initial hay** harvest is nearing completion with 95% of the first cutting reported as harvested. **Condition of the hay** crop was listed as 10% poor, 15% fair, 45% good, 30% excellent. Farm activities for the week included harvesting hay and vegetables, weed control, fertilizing, irrigation activities and fence repair.

CROP WEATHER SUMMARY July 05 - July 11, 2004		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	65%	30%
ADEQUATE	35%	70%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/05-07/11 MAT AES SITE: +1.377		

TANANA VALLEY: An average of **4.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 60% short, 40% adequate. **Subsoil moisture supplies** were 100% adequate. **Barley** was reported at 80% headed, 20% in dough. **Oats** were 25% booted, 75% headed. **Condition of the barley** crop was listed as 40% good, 60% excellent. The **oat** crop was 30% fair, 50% good, 20% excellent. **Potatoes** were reported as 25% in bloom. **Crop growth** was listed as 10% slow, 50% moderate, 40% rapid. **Hay** harvest was 95% complete. **Condition of the hay** crop was listed as 10% fair, 40% good, 50% excellent. **Farm activities** for the week included harvesting hay, weed control, and fertilizing hay fields for second cutting.

MATANUSKA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 85% short, 15% adequate. **Barley** was reported as 90% headed, 10% in dough. **Oats** were 100% headed. **Potatoes** were 25% in bloom. **Crop growth** was listed as 50% slow, 35% moderate, 15% rapid. **Hay** harvest was nearing completion, with a few fields waiting to be baled. **Condition of the hay** crop was listed as 25% poor, 25% fair and 50% good. Major **farm activities** included harvesting hay and vegetables, equipment repair, weed control and irrigation.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 30% short, 70% adequate. **Subsoil moisture supplies** were reported as 20% short, 80% adequate. **Potatoes** were 5% in bloom. **Crop growth** was listed as 15% slow, 50% moderate, 35% rapid. **Hay** harvest was 50% complete. **Condition of the hay crop** was listed as 20% fair, 55% good, 25% 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	64	64	66	67	64	81	48	0.00
Sawmill Creek	na	56	na	na	na	na	na	na	na
Plant Materials Center	65	na	62	64	na	58	82	45	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 July 5, 2004
 To: Sunday July 11, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - July 11, 04				GDD	
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	76	49	63	-1	0.02	2	1.99	-0.60	22	751	+256	1420
Fairbanks/Eiels	75	52	64	+3	0.51	5	4.45	+1.22	31	784	+319	1472
Nenana Muni AM	77	49	62	+2	0.29	4	3.80	+1.66	31	639	+221	1301
Ftgreely/Allen	73	49	61	-2	1.06	7	3.95	-0.27	25	627	+205	1288
Healy River Air	72	50	60	+1	0.38	6	3.20	-0.90	46	561	+238	1216
Gulkaņa Arpt_A	81	43	59	+3	0.11	4	1.12	-1.68	18	423	+226	1090
Sutton	79	46	61	+4	0.21	3	3.01	-0.09	37	305	+104	963
Palmer Municipa	82	49	63	+5	0.07	2	1.03	-1.66	23	456	+165	1161
Talkeetna	81	47	64	+6	0.09	1	3.14	-1.99	21	513	+226	1210
Willow Airport	80	52	65	+7	0.09	2	2.62	+0.38	33	502	+246	1202
Anchorage Intl	78	53	65	+7	0.00	0	1.75	-0.52	14	389	+121	1065
Kenai Municipal	80	44	62	+8	0.00	0	1.79	-0.80	18	267	+136	896
Homer	80	45	58	+5	0.00	0	1.49	-0.98	20	195	+91	809
Kodiak	82	48	62	+10	0.17	1	15.24	+2.01	41	173	+73	769

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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