

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension



ALASKA
AGRICULTURAL
STATISTICS SERVICE

US Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
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GENERAL: There were **7.0 days suitable for fieldwork** last week as hot, dry conditions prevailed across most growing areas. **Topsoil moisture** was reported as 50% short, 50% adequate. **Subsoil moisture** supplies were reported as 30% short, 70% adequate. **Barley** was reported as 10% harvested, while **oats** were reported as 10% ripe. Condition of the barley crop was reported as 10% fair, 40% good, 50% excellent. **Oats** were reported as 10% fair, 55% good, 35% excellent. **Potatoes** were reported as 70% in bloom. Condition of the potato crop was listed as 25% fair, 50% good, 25% excellent. First cutting of **hay** was reported as 99% complete statewide. Second cutting of hay was 25% complete. Condition of second cutting hay was listed as 15% fair, 65% good, 20% excellent. **Range and pasture** condition was reported as 10% fair, 50% good, 40% excellent. **Farm activities** for the week included harvesting grain, hay, grass seed and vegetables, irrigation, equipment repair, and preparing for grain harvest.

CROP WEATHER SUMMARY August 8 – August 14, 2005		
DAYS SUITABLE FOR FIELDWORK: 7.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	50%	30%
ADEQUATE	50%	70%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/08-08/14 MAT AES SITE: + 0.910		

TANANA VALLEY: There were **7.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 50% short, 50% adequate. **Subsoil moisture** was reported as 40% short, 60% adequate. **Barley** was reported as 10% harvested. **Oats** were reported as 10% ripe. Condition of the barley crop was reported as 10% fair, 40% good, 50% excellent. Condition of the oat crop was reported as 10% fair, 50% good, 40% excellent. **Potatoes** were reported as 60% in bloom. Condition of the potato crop was listed as 30% fair, 50% good, 20% excellent. First cutting **hay** was reported as 99% harvested, second cutting was 35% complete. Condition of second cutting hay was listed as 15% fair, 65% good, 20% excellent. **Range and pasture** condition was reported as 15% fair, 45% good, 40% excellent. **Farm activities** for the week included harvesting hay and barley, irrigation and preparing for grain harvest.

MATANUSKA VALLEY: There were **7.0 days suitable for fieldwork**. **Topsoil moisture** was reported as 50% short, 50% adequate. **Subsoil moisture** was reported as 20% short, 80% adequate. **Potatoes** were reported as 75% in bloom. Condition of the potato crop was listed as 20% fair, 50% good, 30% excellent. First cutting **hay** was reported as 99% harvested; second cutting was 15% harvested. Condition of second cutting hay was listed as 10% fair, 75% good, 15% excellent. **Range and pasture** condition was reported as 5% fair, 65% good, 30% excellent. **Farm activities** during the week included weed control, irrigation, and harvesting hay, small grains and vegetables.

KENAI PENINSULA: An average of **6.5 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 85% adequate, 5% surplus. **Subsoil moisture** was 5% short, 90% adequate, 5% surplus. **Potatoes** were reported as 55% in bloom. Condition of the potato crop was listed as 10% fair, 55% good, 35% excellent. First cutting **hay** harvest was 90% complete, second cutting was 10% complete. Condition of hay was listed as 5% poor, 15% fair, 45% good, 35% excellent. **Range and pasture** condition was reported as 10% fair, 30% good, 60% excellent. **Farm activities** for the week included harvesting hay and vegetables, fencing and equipment maintenance.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2005	2004	2003	2005	2004	2003	High	Low	
UAF-AFES, Trunk Road	64	61	59	63	61	56	82	46	0.00
Sawmill Creek	57	58	51	na	na	na	85	39	0.00
Plant Materials Center	63	61	60	59	61	57	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 August 8, 2005
 To: Sunday August 14, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - August 14, 05					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
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Fairbanks_Intl	84	48	64	+7	0.00	0	6.73	+2.16	45	1054	+211	2099
Fairbanks/Eiels	88	48	65	+9	0.00	0	6.93	+1.15	49	1131	+332	2187
Nenana_Muni_AM	84	46	62	+6	0.00	0	5.25	+0.84	40	943	+219	1989
Ftgreely/Allen	85	48	64	+8	0.00	0	6.13	-0.87	43	844	+110	1866
Healy_River_Air	86	43	64	+8	0.00	0	8.70	+1.87	62	764	+172	1770
Gulkana_Arpt_A	86	41	63	+9	0.01	1	6.50	+1.71	44	509	+100	1446
Sutton	76	45	60	+5	0.00	0	9.38	+3.70	76	454	+39	1423
Palmer_Municipa	80	49	63	+7	0.00	0	6.31	+1.30	37	752	+208	1792
Talkeetna	84	48	65	+9	0.00	0	4.92	-4.30	51	874	+317	1885
Willow_Airport	84	50	65	+8	0.00	0	7.75	+3.21	73	894	+351	1931
Anchorage_Intl	77	50	62	+5	0.00	0	2.79	-1.90	32	734	+193	1757
Kenai_Municipal	75	37	56	+2	0.00	0	3.84	-1.00	36	383	+81	1314
Homer	70	46	57	+3	0.04	4	2.74	-1.61	51	448	+190	1444
Kodiak	66	47	56	+1	0.00	0	20.12	+2.59	57	377	+105	1294

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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