

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
Palmer, AK 99645

RELEASED: August 8, 2005

GENERAL: There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** supplies were reported as 25% short, 75% adequate. **Barley** and **oats** were both reported as 5% 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 65% in bloom. Condition of the potato crop was listed as 15% fair, 60% good, 25% excellent. First cutting of **hay** was reported as 98% complete statewide. Second cutting of hay was 5% complete. Condition of second cutting hay was listed as 25% fair, 35% good, 40% excellent. **Range and pasture** condition was reported as 10% fair, 55% good, 35% excellent. **Farm activities** for the week included harvesting hay, grass seed and vegetables, weed control, irrigation, fence repair, fertilizing for second cutting hay and preparing for grain harvest.

CROP WEATHER SUMMARY August 1 – August 7, 2005		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	15%	25%
ADEQUATE	85%	75%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/01-08/07 MAT AES SITE: + 0.468		

TANANA VALLEY: There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moisture** was reported as 35% short, 65% adequate. **Barley** was reported as 5% ripe, mostly in the Fairbanks area. **Oats** were also reported as 5% 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, 45% good, 45% excellent. **Potatoes** were reported as 60% in bloom. Condition of the potato crop was listed as 30% fair, 55% good, 15% excellent. First cutting **hay** was reported as 99% harvested, second cutting was 5% complete. Condition of second cutting hay was listed as 25% fair, 20% good, 55% excellent. **Range and pasture** condition was reported as 15% fair, 45% good, 40% excellent. **Farm activities** for the week included harvesting hay and grass seed, preparing machinery for grain harvests, fertilizing hay fields, and building fence.

MATANUSKA VALLEY: There were **5.0 days suitable for fieldwork**. **Topsoil moisture** was reported as 5% short, 95% adequate. **Subsoil moisture** was also reported as 5% short, 95% adequate. **Potatoes** were reported as 70% in bloom. Condition of the potato crop was listed as 10% fair, 60% good, 30% excellent. First cutting **hay** was reported as 99% harvested; second cutting was 5% harvested. Condition of second cutting hay was listed as 25% fair, 60% good, 15% excellent. **Range and pasture** condition was reported as 10% fair, 65% good, 25% excellent. **Farm activities** during the week included weed control, irrigation, fence repair and harvesting hay and vegetables.

KENAI PENINSULA: An average of **3.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was also 95% adequate, 5% surplus. **Potatoes** were reported as 25% in bloom. Condition of the potato crop was listed as 10% fair, 40% good, 50% excellent. **Hay** harvest was 90% complete. Condition of hay was listed as 10% poor, 20% fair, 40% good, 30% excellent. **Range and pasture** condition was reported as 15% fair, 60% good, 25% 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	62	63	63	58	64	65	77	45	0.31
Sawmill Creek	na	57	51	na	na	na	na	na	na
Plant Materials Center	na	63	63	na	61	61	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 1, 2005
 To: Sunday August 7, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - August 7, 05					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
-----	--	--	--	--	-----	----	-----	----	----	-----	----	-----
Fairbanks_Intl	71	43	57	-3	0.07	3	6.73	+2.58	45	952	+161	1927
Fairbanks/Eiels	72	41	57	-3	0.51	6	6.93	+1.71	49	1023	+276	2009
Nenana_Muni_AM	71	36	57	-2	0.32	5	5.25	+1.33	40	856	+178	1832
Ftgreely/Allen	68	37	55	-4	0.79	5	6.13	-0.35	43	743	+58	1695
Healy_River_Air	66	36	55	-3	1.65	7	8.70	+2.43	62	667	+115	1603
Gulkana_Arpt_A	69	34	52	-5	0.87	6	6.49	+2.12	43	415	+41	1282
Sutton	64	36	54	-3	1.00	6	9.38	+4.26	76	383	+6	1282
Palmer_Municipa	72	44	58	-1	0.31	3	6.31	+1.79	37	663	+166	1633
Talkeetna	71	46	59	+2	0.59	4	4.92	-3.30	51	765	+254	1706
Willow_Airport	72	47	59	+1	0.73	6	7.75	+3.77	73	785	+297	1752
Anchorage_Intl	69	47	58	-1	0.59	4	2.79	-1.25	32	651	+161	1604
Kenai_Municipal	69	42	56	+2	0.52	4	3.84	-0.44	36	341	+74	1202
Homer	67	48	56	+2	0.34	6	2.70	-1.20	47	398	+171	1324
Kodiak	64	48	56	+1	3.56	4	20.12	+3.47	57	331	+101	1178

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.

Copyright 2005: Agricultural Weather Information Service, Inc.
 All rights reserved.

For detailed ag weather forecasts and data visit the AWIS home page
 at www.awis.com or call toll free at 1-888-798-9955.

Alaska Agricultural Statistics Service
 PO Box 799
 Palmer, AK 99645