

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 **6.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 40% short, 60% adequate. **Subsoil moisture** supplies were reported as 30% short, 70% adequate. **Barley** was reported as 30% harvested, while **oats** were reported as 10% harvested. Condition of the barley crop was reported as 10% fair, 40% good, 50% excellent. **Oats** were reported as 10% fair, 50% good, 40% excellent. **Potatoes** were reported as 75% in bloom. Condition of the potato crop was listed as 30% fair, 45% good, 25% excellent. Late blight has been reported in several fields in the Ma-Su Valley. Second cutting of hay was reported as 45% complete statewide. Condition of second cutting hay was listed as 20% fair, 40% good, 40% excellent. **Range and pasture** condition was reported as 10% fair, 55% good, 35% excellent. **Farm activities** for the week included harvesting barley, oats, hay, grass seed and vegetables, irrigation, weed control, baling straw, equipment repair, and preparing for grain harvest.

CROP WEATHER SUMMARY August 15 – August 21, 2005		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	40%	30%
ADEQUATE	60%	70%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/15-08/21 MAT AES SITE: + 0.026		

TANANA VALLEY: There were **7.0 days suitable for fieldwork** last week as dry conditions continued. **Topsoil moisture** was reported as 65% short, 35% adequate. **Subsoil moisture** was reported as 50% short, 50% adequate. **Barley** was reported as 30% harvested. **Oats** were reported as 10% harvested. Condition of the barley and oat crops were both reported as 10% fair, 40% good, 50% excellent. **Potatoes** were reported as 60% in bloom. Condition of the potato crop was listed as 30% fair, 50% good, 20% excellent. Second cutting **hay** was reported as 55% complete. Condition of second cutting hay was listed as 30% fair, 50% good, 20% excellent. **Range and pasture** condition was reported as 15% fair, 45% good, 40% excellent. **Farm activities** for the week included harvesting hay, oats, barley and vegetables, baling straw, disking fallow ground and stubble and equipment repair.

MATANUSKA VALLEY: There were **5.0 days suitable for fieldwork** as rains fell over the weekend. **Topsoil moisture** was reported as 5% short, 90% adequate, 5% surplus. **Subsoil moisture** was reported as 5% short, 95% adequate. **Potato** harvest is just underway. Late blight has been reported in the Valley; growers are spraying to control the disease. Condition of the potato crop was listed as 30% fair, 50% good, 20% excellent. Second cutting **hay** was reported as 25% harvested. Condition of second cutting hay was listed as 15% fair, 70% 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, grass seed and vegetables.

KENAI PENINSULA: An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 100% adequate. **Potatoes** were reported as 75% in bloom. Condition of the potato crop was listed as 10% fair, 30% good, 60% excellent. Second cutting **hay** harvest was 60% complete. Condition of the second cutting hay crop was listed as 10% fair, 40% good, 50% excellent. **Range and pasture** condition was reported as 10% poor, 15% fair, 50% good, 25% excellent. **Farm activities** for the week included harvesting hay and vegetables 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	60	62	59	53	59	56	69	48	0.02*
Sawmill Creek	na	56	46	na	na	na	na	na	na
Plant Materials Center	58	63	59	55	60	55	na	na	na

* data is incomplete, missing precipitation for 8/21

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 15, 2005
 To: Sunday August 21, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - August 21, 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	83	37	58	+4	0.00	0	6.73	+1.76	45	1117	+233	2229
Fairbanks/Eiels	84	36	59	+5	0.00	0	6.93	+0.65	49	1199	+360	2324
Nenana_Muni_AM	80	30	56	+2	0.01	1	5.26	+0.42	41	993	+235	2103
Ftgreely/Allen	77	34	57	+3	0.00	0	6.13	-1.34	43	898	+124	1987
Healy_River_Air	79	30	58	+4	0.01	1	8.71	+1.32	63	826	+202	1897
Gulkana_Arpt_A	82	34	58	+6	0.34	2	6.84	+1.63	46	566	+129	1573
Sutton	64	46	56	+2	0.39	5	9.77	+3.51	81	498	+50	1537
Palmer_Municipa	69	49	58	+3	0.99	6	7.30	+1.78	43	806	+221	1916
Talkeetna	69	47	59	+4	0.28	3	5.20	-5.07	54	936	+341	2017
Willow_Airport	68	52	60	+4	0.35	4	8.10	+2.96	77	965	+376	2072
Anchorage_Intl	66	53	59	+3	0.38	4	3.17	-2.22	36	796	+211	1889
Kenai_Municipal	70	42	56	+3	0.18	4	4.02	-1.43	40	423	+92	1424
Homer	68	50	58	+5	0.35	5	3.09	-1.78	56	506	+220	1572
Kodiak	66	43	56	+1	1.56	6	21.68	+3.15	63	420	+113	1407

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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