

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension
Ag & Forestry Experiment Station



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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P.O. Box 799
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GENERAL: There were **2.5 days suitable for fieldwork** last week as rain continued to fall across most of the major growing areas. **Topsoil moisture** supplies were reported as 80% adequate, 20% surplus. **Subsoil moisture** supplies were reported as 90% adequate, 10% surplus. **Barley** was reported as 10% harvested statewide. **Oats** were reported as 75% turning color. **Condition of the barley crop** was reported as 20% poor, 20% fair, 40% good, 20% excellent. **Condition of the oat crop** was reported as 15% poor, 35% fair, 40% good, 10% excellent. **Potatoes** were listed as 70% in bloom, with harvest just underway in the Mat-Su Valley. **Condition of the potato crop** was reported as 25% fair, 55% good, 20% excellent. Second cutting **hay harvest** was 10% complete.

Condition of the **hay** crop was reported as 15% poor, 20% fair, 40% good, 25% excellent. **Wind and rain damage to crops** was reported as 85% none, 10% light, 5% moderate. The main **farm activities** for the week were waiting for fields to dry up, harvesting grain, vegetables and hay, weed control, equipment repair, and preparing for harvest.

TANANA VALLEY: An average of **3.0 days were suitable for fieldwork** last week. **Topsoil moisture and subsoil moisture** were both reported as 95% adequate, 5% surplus. **Barley** was reported as 10% harvested. **Oats** were reported as 80% turning color. **Condition of the barley crop** was reported as 20% poor, 20% fair, 40% good, 20% excellent. **Condition of the oat crop** was reported as 20% poor, 35% fair, 30% good, 15% excellent. **Potatoes** were listed as 50% in bloom. **Condition of the potato crop** was reported as 30% fair, 50% good, 20% excellent. Second cutting **hay harvest** was 10% complete. Condition of the **hay** crop was reported as 20% poor, 20% fair, 20% good, 40% excellent. **Wind and rain damage to crops** was listed as 90% none, 5% light, 5% moderate. **Farm activities** for the week included harvesting hay, barley, vegetables and forage oats, weed control, and preparing for potato harvest.

MATANUSKA VALLEY: An average of **2.0 days were suitable for fieldwork** as rains continued to fall. **Topsoil moisture** was reported as 60% adequate, 40% surplus. **Subsoil moisture** was reported as 80% adequate, 20% surplus. **Potatoes** were reported as 80% in bloom and harvest was just beginning in the Valley. **Condition of the potato crop** was reported as 20% fair, 60% good, 20% excellent. Second cutting of **hay** was still being held up by the rain. Condition of the **hay** crop was reported as 10% poor, 25% fair, 65% good. **Wind or rain damage to crops** was reported as 80% none, 10% light, 10% moderate. Major **farm activities** during the week included harvesting forage grains, sod and vegetables, planting grass seed, preparing equipment for harvest and fence repair.

KENAI PENINSULA: An average of **1.0 day was suitable for fieldwork**. **Topsoil moisture** was reported as 70% adequate, 30% surplus. **Subsoil moisture** was reported as 80% adequate, 20% surplus. **Potatoes** were reported as 75% in bloom. **Condition of the potato crop** was reported as 10% fair, 60% good, 30% excellent. Second cutting of **hay** was 15% complete. Condition of the **hay** crop was reported as 5% poor, 10% fair, 65% good, 20% excellent. **Wind or rain damage to crops** was reported as 80% none, 10% light, 10% moderate. Major **farm activities** for the week included waiting for fields to dry out and equipment maintenance.

CROP WEATHER SUMMARY August 21 – August 27, 2006		
DAYS SUITABLE FOR FIELDWORK: 2.5		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	0%
ADEQUATE	80%	90%
SURPLUS	20%	10%
PAN EVAPORATION FOR 08/21- 08/27 MAT AES SITE: -0.71		

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2006	2005	2004	2006	2005	2004	High	Low	
UAF-AFES, Trunk Road	52	60	62	50	53	59	62	39	1.91
Sawmill Creek	50	na	56	na	na	na	64	28	0.66
Plant Materials Center	51	58	63	na	55	60	60	36	1.05

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.com from NWS preliminary data

For the Period: Monday August 21, 2006
 To: Sunday August 27, 2006

STATION	LAST WEEK WEATHER SUMMARY						May 1, 06 - August 27, 06					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	64	37	50	-5	0.28	4	5.29	+0.02	44	807	-103	1877
Fairbanks/Eiels	66	34	51	-3	0.29	5	4.28	-2.42	54	952	+87	2070
Nenana_Muni_AM	65	34	48	-6	0.53	5	5.90	+0.72	49	732	-47	1768
Ftgreely/Allen	63	36	50	-4	0.32	4	8.77	+0.94	57	710	-91	1744
Healy_River_Air	61	32	48	-6	0.72	6	7.34	-0.48	67	655	+11	1702
Gulkana_Arpt_A	60	32	46	-6	2.22	5	4.78	-0.77	39	465	+10	1418
Sutton	57	37	47	-7	2.16	5	11.12	+4.32	77	334	-137	1331
Palmer_Municipa	61	39	50	-6	0.64	4	2.98	-3.02	25	596	-18	1675
Talkeetna	64	40	50	-5	1.73	7	15.94	+4.76	55	631	+10	1669
Willow_Airport	61	43	50	-6	1.97	6	10.74	+5.06	69	768	+148	1835
Anchorage_Intl	60	44	52	-4	2.40	5	10.16	+4.17	35	618	+1	1677
Kenai_Municipal	62	36	50	-4	1.84	6	7.72	+1.71	54	473	+120	1488
Homer	60	37	50	-4	1.35	5	6.48	+1.10	61	255	-53	1256
Kodiak	64	40	52	-3	1.98	6	24.18	+4.65	62	309	-25	1263

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