

ALASKA CROP-WEATHER

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



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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GENERAL: There were **1.5 days suitable for fieldwork** last week as rain fell across most of the state. Flooding was reported in the Mat-Su Valley as the result of prolonged, heavy rains. **Topsoil moisture** supplies were reported as 90% adequate, 10% surplus. **Subsoil moisture** supplies were reported as 95% adequate, 5% surplus. **Barley** was reported as 5% ripe, mostly in the Fairbanks area. **Oats** were reported as 30% 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 65% in bloom. **Condition of the potato crop** was reported as 25% fair, 60% good, 15% excellent. First cutting **hay harvest** was 99% complete; second cutting was held up by all the rain. Condition of the **hay** crop was reported as 15% poor, 20% fair, 35% good, 30% 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 the rain to stop, weed control, fence maintenance, equipment repair and preparing for grain harvest.

CROP WEATHER SUMMARY August 14 – August 20, 2006		
DAYS SUITABLE FOR FIELDWORK: 1.5		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	0%
ADEQUATE	90%	95%
SURPLUS	10%	5%
PAN EVAPORATION FOR 08/14- 08/21 MAT AES SITE: -3.61		

TANANA VALLEY: An average of **2.0 days were suitable for fieldwork** last week. **Topsoil moisture and subsoil moisture** were both reported as 100% adequate. **Barley** was reported as 55% turning color, 5% ripe. **Oats** were reported as 30% 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, 60% good, 10% excellent. First cutting **hay harvest** was 99% complete. Second cutting was reported as 5% 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, vegetables, forage oats and grass seed, weed control, and preparing for small grain harvest.

MATANUSKA VALLEY: An average of **1.0 day was suitable for fieldwork** as heavy rains fell in many areas. **Topsoil moisture** was reported as 70% adequate, 30% surplus. **Subsoil moisture** was reported as 90% adequate, 10% surplus. **Potatoes** were reported as 75% in bloom. **Condition of the potato crop** was reported as 20% fair, 60% good, 20% excellent. First cutting of **hay** was 99% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 65% good, 10% excellent. **Wind or rain damage to crops** was reported as 70% none, 20% light, 10% moderate. Major **farm activities** during the week included equipment maintenance, fence repair and waiting for the rain to stop.

KENAI PENINSULA: An average of **1.0 day was suitable for fieldwork**. **Topsoil moisture** was reported as 80% adequate, 20% surplus. **Subsoil moisture** was reported as 90% adequate, 10% surplus. **Potatoes** were reported as 75% in bloom. **Condition of the potato crop** was reported as 10% fair, 60% good, 30% excellent. First cutting of **hay** was 99% 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, 15% light, 5% moderate. Major **farm activities** for the week included tedding downed hay and equipment maintenance.

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	54	64	61	52	63	61	64	44	3.89
Sawmill Creek	49	57	58	na	na	na	67	33	0.65
Plant Materials Center	na	63	61	na	59	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.com from NWS preliminary data

For the Period: Monday August 14, 2006
 To: Sunday August 20, 2006

STATION	LAST WEEK WEATHER SUMMARY						May 1, 06 - August 20, 06					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	66	39	54	-3	1.04	6	5.01	+0.09	40	801	-78	1806
Fairbanks/Eiels	66	46	55	-1	0.88	6	3.99	-2.22	49	939	+105	1989
Nenana_Muni_AM	63	36	53	-3	1.47	7	5.37	+0.59	44	729	-25	1710
Ftgreely/Allen	65	40	54	-2	0.46	4	8.45	+1.04	53	701	-68	1675
Healy_River_Air	61	39	51	-4	1.44	7	6.62	-0.69	61	655	+35	1646
Gulkana_Arpt_A	66	42	53	+0	0.34	5	2.56	-2.59	34	465	+32	1375
Sutton	55	46	51	-4	2.56	7	8.96	+2.79	72	334	-110	1282
Palmer_Municipa	60	43	53	-3	0.89	6	2.34	-3.10	21	593	+13	1605
Talkeetna	61	45	53	-3	6.97	6	14.21	+4.09	48	620	+30	1599
Willow_Airport	61	48	54	-4	3.05	7	8.77	+3.72	63	761	+178	1763
Anchorage_Intl	64	49	55	-2	4.26	7	7.76	+2.47	30	603	+24	1593
Kenai_Municipal	63	48	56	+2	1.68	6	5.88	+0.52	48	467	+140	1416
Homer	59	47	53	-2	1.64	6	5.13	+0.34	56	252	-30	1187
Kodiak	65	45	54	-2	0.77	5	22.20	+3.82	56	293	-9	1177

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