

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

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P.O. Box 799
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GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 25% short, 75% adequate. **Subsoil moisture** supplies were listed as 40% short, 60% adequate. **Barley** was reported as 5% ripe. **Oats** were 20% turning color. Condition of the barley crop was rated as 5% fair, 60% good, 35% excellent. Condition of the oat crop was rated as 10% fair, 60% good, 30% excellent. **Potatoes** were reported as 80% in bloom. Condition of the potato crop was 20% fair, 50% good, 30% excellent. **Second cutting of hay** was just underway in the Mat-Su Valley. Condition of the hay crop was rated as 10% poor, 40% fair, 40% good, 10% excellent. Range and pasture condition was reported as 20% poor, 40% fair, 40% good. **Rate of crop growth** was reported as 40% slow, 50% moderate, 10% rapid. **Wind or rain damage** was 95% none, 5% light. The main **farm activities** were machinery maintenance, irrigation, harvesting silage, native grasses, hay.

CROP WEATHER SUMMARY August 3 - August 9, 2009		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	25%	40%
ADEQUATE	75%	60%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/03 - 08/09 MAT AES SITE: 0.103		

TANANA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 30% short, 70% adequate. **Subsoil moisture** was reported as 40% short, 60% adequate. **Barley** was reported as 5% ripe. **Oats** were 25% turning color. **Condition of the barley crop** was rated as 5% fair, 60% good, 35% excellent. **Condition of the oat crop** was rated as 10% fair, 50% good, 40% excellent. **Potatoes** were 75% in bloom. **Second cutting of hay** should begin soon. **Condition of the hay crop** was listed as 5% poor, 45% fair, 40% good, 10% excellent. **Rate of crop growth** was 50% slow, 35% moderate, 15% rapid. No **wind or rain damage** was reported. **Farm activities** for the week included preparing machinery for grain harvest, harvesting silage, weed control.

MATANUSKA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** was reported as 40% short, 60% adequate. **Potatoes** were reported as 80% in bloom. **Second cutting of hay** was just underway. **Condition the hay crop** was listed at 20% poor, 30% fair, 50% good. **Rate of crop growth** was reported as 35% slow, 65% moderate. **Wind or rain damage** was 95% none, 5% light. **Farm activities** for the week included weed control, irrigating, cutting hay, harvesting grass seed and vegetables.

KENAI PENINSULA: There were **5.0 days was suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 100% adequate. **Potatoes** were 40% in bloom. **First cutting of hay** was 85% complete. **Condition of the hay crop** was listed as 25% poor, 35% fair, 25% good, 15% excellent. **Rate of crop growth** was reported as 20% slow, 80% moderate. **Wind or rain damage** was 95% none, 5% light. **Farm activities** for the week were harvesting hay, equipment maintenance.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2009	2008	2007	2009	2008	2007	High	Low	
UAF-AFES, Trunk Road	60	58	62	54	55	59	76	44	0.57
Sawmill Creek	53	48	53	na	na	na	84	30	0.14
Plant Materials Center	na	na	56	na	na	na	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 3, 2009
 To: Sunday August 9, 2009

STATION	LAST WEEK WEATHER SUMMARY						May 1, 09 - August 9, 09 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	42	62	+4	0.67	4	2.45	-1.82	18	1025	+218	1959
Fairbanks/Eiels	84	36	59	-1	0.79	3	4.53	-0.85	30	794	+31	1682
Nenana_Muni_AM	79	42	61	+4	0.67	3	3.90	-0.16	24	831	+139	1734
Ftgreely/Allen	82	38	60	+2	0.27	2	5.07	-1.57	28	825	+125	1730
Healy_River_Air	79	45	60	+4	0.57	3	4.68	-1.75	47	671	+107	1542
Gulkana_Arpt_A	80	29	56	+0	0.45	4	3.03	-1.46	32	546	+162	1423
Sutton	71	32	55	-2	0.50	4	6.35	+1.07	53	363	-26	1231
Palmer_Municipa	74	42	58	+1	0.11	2	0.78	-3.88	12	597	+86	1560
Talkeetna	78	37	57	-2	0.60	3	5.03	-3.47	31	645	+120	1555
Willow_Airport	72	48	58	-1	0.52	4	5.09	+0.95	46	803	+299	1777
Anchorage_Intl	73	44	57	-2	0.35	4	2.48	-1.74	27	496	-10	1417
Kenai_Municipal	75	41	55	+0	0.30	1	3.06	-1.38	25	365	+88	1254
Homer	65	39	52	-4	0.25	1	2.42	-1.60	29	186	-51	959
Kodiak	65	42	53	-3	3.21	3	19.09	+2.20	48	214	-28	996

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