

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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RELEASED: June 8, 2009

GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 30% short, 70% adequate. **Subsoil moisture** supplies were listed as 20% short, 80% adequate. **Barley** was reported as 100% planted, 95% emerged. **Oats** were 85% planted, 65% emerged. **Potatoes** were reported as 80% planted. **Condition of the barley crop** was rated as 10% fair, 50% good, 40% excellent. **Condition of the oat crop** was rated as 60% good, 40% excellent. **Condition of the hay crop** was rated as 10% poor, 10% fair, 70% good, 10% excellent. **Rate of crop growth** was reported as 10% slow, 55% moderate, 35% rapid. No **wind and rain damage** was reported. The main **farm activities** for the week were planting vegetables and potatoes, weed control, irrigation, machinery maintenance.

CROP WEATHER SUMMARY June 01 - June 07, 2009		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	30%	20%
ADEQUATE	70%	80%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/01 - 06/07 MAT AES SITE: 1.033		

TANANA VALLEY: An average of **6.5 days was suitable for fieldwork**. **Topsoil moisture** was reported at 40% short, 60% adequate. **Subsoil moisture supplies** were 25% short, 75% adequate. **Barley** was reported as 100% planted, 100% emerged. **Oats** were 85% planted, 75% emerged. **Potatoes** were 50% planted. **Condition of the hay crop** was listed as 15% poor, 15% fair, 65% good, 5% excellent. **Rate of crop growth** was reported as 15% slow, 60% moderate, 25% rapid. No **wind and rain damage** was reported. **Farm activities** for the week included planting potatoes, forage oats and vegetables, weed control, fertilizing, preparing herbicide equipment.

MATANUSKA VALLEY: An average of **6.5 days was suitable for fieldwork**. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moisture** was reported as 15% short, 85% adequate. **Small grain** planting continued. **Potato** planting was reported as 99% complete. **Condition of the hay crop** was listed at 10% fair, 80% good, 10% excellent. **Rate of crop growth** was reported as 50% moderate, 50% rapid. No **wind and rain damage** was reported. Major **farm activities** during the week included planting potatoes and vegetables, weed control, irrigating, tilling fields.

KENAI PENINSULA: There were **4.0 days was suitable for fieldwork**. **Topsoil moisture and subsoil moisture** were both reported as 100% adequate. **Potato** planting was 20% complete. **Condition of the hay crop** was listed as 15% poor, 20% fair, 40% good, 25% excellent. **Rate of crop growth** was reported as 10% slow, 50% moderate, 40% rapid. **Wind and rain damage** to crops was reported as 95% none, 5% light. Major **farm activities** for the week fertilizing and renovating hay fields, equipment maintenance.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2009	2008	2007	2009	2008	2007	High	Low	
UAF-AFES, Trunk Road	54	49	52	59	52	57	70	36	0.03
Sawmill Creek	45	39	44	na	na	na	84	36	0.05
Plant Materials Center	na	na	48	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 June 1, 2009
 To: Sunday June 7, 2009

STATION	LAST WEEK WEATHER SUMMARY						May 1, 09 - June 7, 09 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	85	41	61	+5	0.15	1	0.20	-0.68	2	200	+105	507
Fairbanks/Eiels	84	39	58	+2	0.08	1	0.55	-0.45	10	132	+42	392
Nenana_Muni_AM	83	38	58	+3	0.05	1	0.27	-0.23	7	142	+70	421
Ftgreely/Allen	79	44	60	+6	0.04	2	1.82	+0.62	10	165	+62	440
Healy_River_Air	73	40	56	+3	0.24	2	1.09	-0.06	14	94	+47	342
Gulkana_Arpt_A	77	32	56	+6	0.22	1	1.11	+0.24	8	63	+36	331
Sutton	64	32	50	-1	0.16	3	1.06	-0.04	13	13	-18	267
Palmer_Municipa	70	39	55	+3	0.00	0	0.25	-0.64	2	76	+16	412
Talkeetna	73	38	55	+3	0.46	2	2.20	+0.07	7	57	+16	346
Willow_Airport	72	45	57	+6	0.19	3	1.01	+0.20	10	134	+103	478
Anchorage_Intl	67	40	52	+0	0.02	1	0.62	-0.29	6	48	+0	340
Kenai_Municipal	70	38	51	+3	0.13	2	0.78	-0.38	7	27	+10	296
Homer	59	36	46	-2	0.22	4	0.97	-0.31	12	1	-13	170
Kodiak	65	38	47	+0	0.94	5	6.20	-1.48	18	10	-7	203

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