

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 **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 30% short, 70% adequate. **Subsoil moisture** supplies were listed as 10% short, 90% adequate. **Barley** was reported as 100% pre-boot stage. **Oats** were also 100% pre-boot. **Potatoes** were reported as 95% planted, 15% emerged. **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, 20% fair, 60% good, 10% excellent. **Rate of crop growth** was reported as 10% slow, 70% moderate, 20% rapid. No **wind and rain damage** was reported. The main **farm activities** for the week were planting potatoes, weed control, irrigation, machinery maintenance.

CROP WEATHER SUMMARY June 08 - June 14, 2009		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	30%	10%
ADEQUATE	70%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/08 - 06/14 MAT AES SITE: 0.966		

TANANA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 35% short, 65% adequate. **Subsoil moisture supplies** were 5% short, 95% adequate. **Barley** was reported as 100% pre-boot. **Oats** were also 100% pre-boot. **Potatoes** were 100% planted, 25% emerged. **Condition of the barley crop** was rated as 10% fair, 45% good, 45% excellent. **Condition of the oat crop** was rated as 50% good, 50% excellent. **Condition of the hay crop** was listed as 15% poor, 30% fair, 50% good, 5% excellent. **Rate of crop growth** was reported as 20% slow, 70% moderate, 10% rapid. No **wind and rain damage** was reported. **Farm activities** for the week included planting potatoes, weed control, seeding grass, applying herbicides.

MATANUSKA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 35% short, 65% adequate. **Subsoil moisture** was reported as 20% short, 80% adequate. **Small grains** were in pre-boot stage. **Potatoes** were reported as 100% planted, 10% emerged. **Condition of the hay crop** was listed at 15% fair, 75% good, 10% excellent. **Rate of crop growth** was reported as 65% moderate, 35% rapid. **Minor wind and rain damage** was reported. Major **farm activities** during the week included transplanting vegetables, weed control, irrigating crops, tilling fields.

KENAI PENINSULA: There were **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was reported as 100% adequate. **Potatoes** were 80% planted, with emergence less than 5%. **Condition of the hay crop** was listed as 15% poor, 20% fair, 40% good, 25% excellent. **Rate of crop growth** was reported as 65% moderate, 35% rapid. **Wind and rain damage** to crops was reported as 95% none, 5% light. Major **farm activities** for the week were preparing haying equipment for harvest.

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	56	53	54	57	53	58	79	44	0.07
Sawmill Creek	46	42	47	na	na	na	79	38	0.71
Plant Materials Center	51	50	50	na	na	na	76	42	0.32

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 8, 2009
 To: Sunday June 14, 2009

STATION	LAST WEEK WEATHER SUMMARY						May 1, 09 - June 14, 09 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	79	42	61	+3	0.02	1	0.22	-0.98	3	278	+121	655
Fairbanks/Eiels	79	40	58	-1	0.01	1	0.56	-0.82	11	190	+43	520
Nenana_Muni_AM	77	37	58	+1	0.05	1	0.32	-0.41	8	196	+72	545
Ftgreely/Allen	78	41	57	+1	0.45	2	2.27	+0.54	12	217	+67	562
Healy_River_Air	74	34	55	+0	0.12	2	1.21	-0.45	16	130	+45	448
Gulkana_Arpt_A	80	44	58	+6	0.24	2	1.35	+0.13	10	121	+75	456
Sutton	71	39	54	+2	0.10	2	1.16	-0.26	15	43	-9	367
Palmer_Municipa	77	43	56	+2	0.07	1	0.32	-0.85	3	122	+29	528
Talkeetna	81	41	57	+3	0.09	2	2.29	-0.39	9	105	+32	464
Willow_Airport	75	48	59	+5	0.07	2	1.08	+0.06	12	199	+140	613
Anchorage_Intl	74	41	54	+0	0.00	0	0.62	-0.50	6	78	+0	439
Kenai_Municipal	80	35	53	+4	0.00	0	0.78	-0.62	7	53	+23	391
Homer	71	37	50	+1	0.00	0	0.97	-0.52	12	8	-14	241
Kodiak	63	38	49	+1	0.17	2	6.37	-2.62	20	14	-10	266

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