

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 **5.0 days suitable for fieldwork** last week. **Topsoil and Subsoil moisture** supplies were both reported as 10% short, 90% adequate. **Barley and oats** were reported as 100% in the pre-boot stage. Condition of the barley crop was reported as 10% fair, 40% good, 50% excellent. Condition of the oat crop was reported as 10% fair, 60% good, 30% excellent. **Potato** planting was listed as 98% complete, 15% emerged. Condition of the **hay** crop was reported as 5% poor, 10% fair, 55% good, 30% excellent. **Crop growth** was rated as 20% slow, 50% moderate, 30% rapid. **Wind and rain damage to crops** was listed as 95% none, 5% moderate. The main **farm activities** for the week were planting small grains, hay and potatoes, spraying weeds, irrigating and equipment repair.

CROP WEATHER SUMMARY June 4 – June 10, 2007		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	10%
ADEQUATE	90%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/04- 06/10 MAT AES SITE: +1.52		

TANANA VALLEY: An average of **4.0 days were suitable for fieldwork** last week as some needed rain fell in the Tanana Valley. **Topsoil moisture** supplies were reported as 95% adequate, 5% surplus. **Subsoil moisture** supplies were reported as 100% adequate. **Barley and oats** were reported as 100% pre-boot stage. **Potato** planting was 98% complete, 5% emerged. Condition of the **hay** crop was reported as 5% poor, 5% fair, 50% good and 40% excellent. **Crop growth** was rated as 45% moderate, 55% rapid. **Wind and rain damage to crops** was listed as 100% none. **Farm activities** for the week included finishing up potato planting, spraying weeds, seeding pasture, hay and forage oats

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 30% short, 70% adequate. **Subsoil moisture** was reported as 20% short, 80% adequate. **Small grains** were 100% pre-boot. **Potatoes** were reported as 99% planted, 20% emerged. Condition of the **hay** crop was reported 25% fair, 60% good and 15% excellent. **Crop growth** was rated as 40% slow, 60% moderate. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included planting potatoes, vegetables and small grains, spraying weeds, irrigation activities and tilling fields.

KENAI PENINSULA: An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 100% adequate. **Potatoes** were reported as 90% planted, 10% emerged. Condition of the **hay** crop was reported as 10% poor, 25% fair, 45% good and 20% excellent. **Crop growth** was rated as 100% slow. **Wind or rain damage to crops** was reported as 10% light, 80% moderate, 10% severe. Major **farm activities** for the week included planting/transplanting vegetables and getting equipment ready for harvest.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2007	2006	2005	2007	2006	2005	High	Low	
UAF-AFES, Trunk Road	52	50	54	57	55	53	72	40	0.00
Sawmill Creek	44	45	46	na	na	na	80	29	1.16
Plant Materials Center	48	46	59	na	na	na	71	38	0.00

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 4, 2007
 To: Sunday June 10, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - June 10, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	81	45	59	+2	0.93	3	1.79	+0.79	9	192	+72	509
Fairbanks/Eiels	82	41	57	-1	1.41	3	2.52	+1.37	12	178	+65	478
Nenana_Muni_AM	80	41	57	+0	0.35	2	1.16	+0.57	7	149	+56	462
Ftgreely/Allen	77	41	57	+3	0.69	4	2.28	+0.87	11	149	+27	442
Healy_River_Air	75	46	60	+7	0.35	3	1.25	-0.11	17	177	+115	481
Gulkana_Arpt_A	75	33	52	+1	0.06	1	0.64	-0.38	12	31	-3	250
Sutton	70	32	51	+0	0.92	4	2.67	+1.45	27	23	-17	265
Palmer_Municipa	69	40	53	-1	0.00	0	0.45	-0.56	5	54	-19	387
Talkeetna	75	37	55	+3	0.12	3	0.77	-1.59	11	75	+22	385
Willow_Airport	68	43	56	+4	0.96	4	2.68	+1.78	25	116	+74	463
Anchorage_Intl	66	40	52	-2	0.00	0	0.62	-0.38	8	37	-23	331
Kenai_Municipal	72	41	54	+6	0.10	3	1.28	+0.03	13	58	+36	311
Homer	61	37	47	-2	0.35	5	0.67	-0.70	13	3	-14	177
Kodiak	51	36	44	-4	2.67	7	14.66	+6.41	31	0	-20	99

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