

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 **6.5 days suitable for fieldwork** last week. The Tanana Valley continued to experience below normal temperatures and precipitation levels. South Central also remained below normal in precipitation in many areas. **Topsoil moisture** supplies were reported as 25% short, 75% adequate. **Subsoil moisture** supplies were reported as 10% short, 90% adequate. **Barley and oats** were both reported as 100% in pre-boot stage. **Condition of the barley crop** was reported as 45% poor, 45% fair, 10% good. **Condition of the oat crop** was reported as 30% poor, 35% fair, 35% good. Both crops, along with canola, hay and grass seeds, were damaged by frost last weekend in the Delta Junction area. **Potato** planting was listed as 99% complete statewide, with emergence listed as less than 5%. Condition of the **hay** crop was reported as 15% poor, 30% fair, 50% good and 5% excellent. **Crop growth** was rated as 60% slow, 40% moderate. **Wind and rain damage to crops** was listed as 100% none. The main **farm activities** for the week were seeding forage oats, hay and potatoes, working fallow ground, fertilizing hay grounds, spraying weeds, setting up irrigation systems and preparing for the first cutting of hay.

CROP WEATHER SUMMARY June 5 – June 11 2006		
DAYS SUITABLE FOR FIELDWORK: 6.5		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	25%	10%
ADEQUATE	75%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/05- 06/11 MAT AES SITE: +1.104		

TANANA VALLEY: An average of **7.0 days were suitable for fieldwork** last week. Temperatures remained below normal last week with a hard frost reported last weekend in Delta Junction. Frost damage to barley oats, grass seeds, canola, vegetables and hay was reported. **Topsoil moisture** supplies were reported as 30% short, 70% adequate. **Subsoil moisture** supplies were reported as 5% short, 95% adequate. **Barley and oats** were reported as 100% pre-boot. **Condition of the barley crop** was reported as 45% poor, 45% fair, 10% good. **Condition of the oat crop** was reported as 40% poor, 45% fair, 15% good. **Potato** planting was 100% complete. Condition of the **hay** crop was reported as 25% poor, 30% fair, 45% good. **Crop growth** was rated as 50% slow, 50% moderate. **Wind and rain damage to crops** was listed as 100% none. **Farm activities** for the week included working fallow ground, planting forage oats and potatoes and fertilizing hay ground.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moisture** was reported as 15% short, 85% adequate. **Small grains** were reported as being in the pre-boot stage. **Potatoes** were reported as 100% planted, with emergence less than 10%. Condition of the **hay** crop was reported as 35% fair, 50% good and 15% excellent. **Crop growth** was rated as 80% slow, 20% moderate. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included planting potatoes, vegetables and small grains, fertilizing fields, irrigating, mowing or spraying weeds and working fallow ground.

KENAI PENINSULA: An average of **5.5 days were suitable for fieldwork**. **Topsoil moisture** supplies were reported as 5% short, 95% adequate. **Subsoil moisture** supplies were reported as 100% adequate. **Potatoes** were reported as 90% planted, with emergence at 20%. Condition of the **hay** crop was reported as 20% fair, 60% good and 20% excellent. **Crop growth** was rated as 70% slow, 20% moderate, 10% rapid. **Wind or rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** for the week included no-till seeding of hay fields and spraying weeds.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2006	2005	2004	2006	2005	2004	High	Low	
UAF-AFES, Trunk Road	50	54	58	55	53	59	68	31	0.00
Sawmill Creek	45	46	na	na	na	na	77	19	0.00
Plant Materials Center	49	59	56	na	46	55	66	31	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 5, 2006
 To: Sunday June 11, 2006

STATION	LAST WEEK WEATHER SUMMARY						May 1, 06 - June 11, 06					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	74	29	52	-7	0.00	0	0.19	-0.86	7	106	-23	412
Fairbanks/Eiels	77	32	55	-3	0.01	1	0.50	-0.70	11	158	+37	508
Nenana_Muni_AM	75	24	52	-6	0.00	0	0.30	-0.32	6	88	-12	373
Ftgreely/Allen	72	26	52	-5	0.00	0	1.57	+0.08	16	98	-31	377
Healy_River_Air	70	32	54	-1	0.00	0	0.51	-0.92	10	121	+54	420
Gulkana_Arpt_A	70	31	51	-2	0.00	0	0.22	-0.85	8	63	+26	288
Sutton	63	28	48	-5	0.17	4	1.21	-0.06	20	59	+16	316
Palmer_Municipa	67	35	52	-2	0.00	0	0.05	-1.00	2	115	+37	427
Talkeetna	63	32	50	-4	0.09	2	1.41	-1.03	12	102	+44	384
Willow_Airport	64	40	54	+1	0.11	3	1.08	+0.15	17	153	+107	455
Anchorage_Intl	65	40	53	+0	0.00	0	0.42	-0.61	5	120	+56	410
Kenai_Municipal	62	34	51	+2	0.08	3	0.65	-0.63	11	81	+57	331
Homer	64	38	51	+3	0.45	4	0.96	-0.44	19	43	+25	290
Kodiak	64	37	48	+1	3.98	4	8.05	-0.39	18	74	+53	287

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