

ALASKA CROP-WEATHER

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



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

USDA, NASS, Alaska Field Office
P.O. Box 799
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RELEASED: June 4, 2007

GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were reported as 5% short, 95% adequate. **Barley** was reported as 95% planted, 80% emerged. **Oats** were reported as 90% planted, 60% emerged. **Potato** planting was listed as 90% complete statewide, with potatoes just beginning to emerge in the Mat-Su and in Kenai. Condition of the **hay** crop was reported as 5% poor, 5% fair, 75% good and 15% excellent. **Crop growth** was rated as 5% slow, 80% moderate, 15% rapid. **Wind and rain damage to crops** was listed as 95% none, 5% light. The main **farm activities** for the week were planting small grains and potatoes, spraying weeds, fertilizing hay ground, irrigating and equipment repair.

CROP WEATHER SUMMARY May 28 – June 3, 2007		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	5%
ADEQUATE	90%	95%
SURPLUS	0%	0%
PAN EVAPORATION FOR 05/28- 06/03 MAT AES SITE: +0.946		

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 15% short, 85% adequate. **Subsoil moisture** supplies were reported as 5% short, 95% adequate. **Barley** was reported as 98% planted, 85% emerged. Planting of **oats** was 95% complete, 80% emerged. **Potato** planting was 85% complete. Condition of the **hay** crop was reported as 5% poor, 5% fair, 75% good and 15% excellent. **Crop growth** was rated as 75% moderate, 25% rapid. **Wind and rain damage to crops** was listed as 85% none, 10% light, 5% moderate. **Farm activities** for the week included planting potatoes, spraying weeds, seeding pasture and forage oats, equipment repair and irrigating hay.

MATANUSKA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was reported as 100% adequate. **Planting of small grains** continued. **Potatoes** were reported as 95% planted, with some fields just beginning to emerge. Condition of the **hay** crop was reported 10% fair, 75% good and 15% excellent. **Crop growth** was rated as 20% slow, 80% 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, irrigating and preparing fields.

KENAI PENINSULA: An average of **3.0 days were suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 100% adequate. **Potatoes** were reported as 75% planted, with some fields just beginning to emerge. Condition of the **hay** crop was reported as 10% poor, 15% fair, 50% good and 25% excellent. **Crop growth** was rated as 85% slow, 15% moderate. **Wind or rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** for the week included fertilizing hay fields and planting/transplanting vegetables.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2006	2005	2004	2006	2005	2004	High	Low	
UAF-AFES, Trunk Road	49	50	50	54	50	51	61	38	0.03
Sawmill Creek	43	39	44	na	na	na	73	32	0.79
Plant Materials Center	na	46	52	na	na	45	65	40	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 May 28, 2007
 To: Sunday June 3, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - June 3, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	76	42	56	+2	0.48	2	0.86	+0.14	6	130	+64	377
Fairbanks/Eiels	77	44	59	+5	0.66	4	1.11	+0.31	9	131	+67	362
Nenana_Muni_AM	76	39	55	+0	0.57	2	0.81	+0.43	5	102	+53	345
Ftgreely/Allen	72	36	53	-2	0.51	2	1.59	+0.65	7	94	+13	317
Healy_River_Air	72	41	55	+3	0.52	5	0.90	+0.00	14	106	+76	340
Gulkana_Arpt_A	66	33	48	-2	0.06	2	0.58	-0.13	11	7	-12	167
Sutton	61	36	47	-3	0.67	7	1.75	+0.81	23	5	-17	184
Palmer_Municipa	60	40	50	-3	0.00	0	0.45	-0.30	5	28	-16	292
Talkeetna	65	40	51	-1	0.27	4	0.65	-1.20	8	36	+10	277
Willow_Airport	64	42	52	+2	0.55	7	1.72	+1.03	21	71	+52	348
Anchorage_Intl	57	39	49	-4	0.02	1	0.62	-0.17	8	16	-19	247
Kenai_Municipal	62	32	49	+1	0.26	5	1.18	+0.14	10	27	+14	210
Homer	53	34	46	-2	0.13	2	0.32	-0.84	8	0	-10	123
Kodiak	49	33	43	-4	2.61	6	11.99	+5.08	24	0	-13	68

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