

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
Palmer, AK 99645

RELEASED: July 2, 2007

GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 25% short, 75% adequate. **Subsoil moisture** supplies were reported as 20% short, 80% adequate. **Barley** was reported as 10% headed. **Oats** were reported as 30% in-boot. **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. **Potatoes** were listed as 90% emerged statewide. **Condition of the potato crop** was listed as 10% fair, 75% good, 15% excellent. First cutting **hay harvest** was 50% complete. Condition of the **hay crop** was reported as 5% poor, 10% fair, 45% good, 40% excellent. **Crop growth** was rated as 15% slow, 55% moderate, 30% rapid. No **wind and rain damage to crops** was reported. The main **farm activities** for the week were harvesting hay, weed control, fertilizing hay, working fallow ground, planting forage crops.

CROP WEATHER SUMMARY June 25 – July 1, 2007		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	25%	20%
ADEQUATE	75%	80%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/25- 07/01 MAT AES SITE: +0.84		

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork** last week. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** was reported as 10% short, 90% adequate. **Barley** was reported as 10% headed. **Oats** were reported as 40% in-boot. **Condition of the barley crop** was reported as 10% fair, 40% good, 50% excellent. **Condition of the oat crop** was reported as 10% fair, 50% good, 40% excellent. **Potatoes** were listed as 90% emerged. First cutting **hay harvest** was 75% complete. Condition of the **hay crop** was reported as 5% poor, 10% fair, 35% good, 50% excellent. **Crop growth** was rated as 60% moderate, 40% rapid. No **wind and rain damage to crops** was reported. **Farm activities** for the week included cutting hay, spraying weeds, fertilizing hay for second cutting, seeding forage oats.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 40% short, 60% adequate. **Subsoil moisture** was also reported as 40% short, 60% adequate. **Small grains** were reported as 100% pre-boot. **Potatoes** were reported as 90% emerged. First cutting of **hay** was 30% complete. Condition of the **hay crop** was reported as 10% fair, 65% good, 25% excellent. **Crop growth** was rated as 35% slow, 55% moderate, 10% rapid. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included irrigating, weed control, machinery repair, harvesting hay.

KENAI PENINSULA: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were reported as 100% adequate. **Potatoes** were reported 60% emerged. First cutting of **hay** was 10% complete. Condition of the **hay crop** was reported as 20% fair, 60% good, 20% excellent. **Crop growth** was rated as 15% moderate, 85% rapid. **Wind or rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** for the week included harvesting hay or preparing for hay harvest.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2007	2006	2005	2007	2006	2005	High	Low	
UAF-AFES, Trunk Road	57	57	60	56	59	60	72	41	0.29
Sawmill Creek	51	50	53	na	na	na	82	43	0.19
Plant Materials Center	52	na	61	na	na	55	72	40	0.33

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 25, 2007
 To: Sunday July 1, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - July 1, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	83	47	63	+2	0.39	1	2.74	+0.69	15	454	+102	981
Fairbanks/Eiels	82	45	62	+0	0.02	1	3.28	+0.81	20	399	+70	909
Nenana_Muni_AM	82	47	61	+2	0.02	2	1.81	+0.31	14	374	+83	897
Ftgreely/Allen	81	48	62	+3	0.22	3	3.45	+0.21	22	372	+70	875
Healy_River_Air	79	48	62	+4	0.31	5	2.31	-0.81	33	395	+179	909
Gulkana_Arpt_A	79	39	57	+3	0.41	3	1.35	-0.84	19	203	+80	632
Sutton	68	37	53	-3	0.49	3	3.40	+1.03	34	99	-32	548
Palmer_Municipa	72	45	56	-2	0.00	0	0.45	-1.58	5	211	+8	754
Talkeetna	74	41	57	-2	0.48	3	1.67	-2.47	20	255	+66	775
Willow_Airport	70	45	59	+2	0.60	3	3.50	+1.80	34	331	+166	888
Anchorage_Intl	67	45	55	-3	0.98	2	1.61	-0.19	11	158	-23	662
Kenai_Municipal	65	37	53	+0	0.28	2	1.74	-0.34	17	132	+52	589
Homer	61	38	50	-4	0.02	2	0.76	-1.31	18	31	-32	395
Kodiak	64	41	51	-1	0.25	2	15.37	+3.53	38	59	-2	345

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Alaska Agricultural Statistics Service
 PO Box 799
 Palmer, AK 99645

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