

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

USDA, NASS, Alaska Field Office
P.O. Box 799
Palmer, AK 99645

RELEASED: June 25, 2007

GENERAL: There were **6.0 days suitable for fieldwork** last week. Temperatures were generally above normal. **Topsoil moisture** supplies were reported as 30% short, 70% adequate. **Subsoil moisture** supplies were reported as 20% short, 80% adequate. **Barley** and **oats** were still reported as 100% in 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. **Potatoes** were listed as 60% emerged statewide. First cutting **hay harvest** was 20% complete. Condition of the **hay** crop was reported as 5% poor, 5% fair, 50% good, 40% excellent. **Crop growth** was rated as 10% slow, 55% moderate, 35% rapid. **Wind and rain damage to crops** was reported as 85% none, 5% light, 10% moderate. The main **farm activities** for the week were weed control, harvesting hay, machinery repair, planting forage crops.

CROP WEATHER SUMMARY June 18 – June 24 2007		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	30%	20%
ADEQUATE	70%	80%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/18- 06/24 MAT AES SITE: +1.09		

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork** last week. A severe rain/hail storm damaged some crops around a portion of Delta Junction. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moisture** was reported as 10% short, 90% adequate. **Barley** and **oats** were reported as 100% pre-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 60% emerged. First cutting **hay harvest** was 30% complete. Condition of the **hay** crop was reported as 5% poor, 5% fair, 40% good, 50% excellent. **Crop growth** was rated as 50% moderate, 50% rapid. **Wind and rain damage to crops** was listed as 75% none, 5% light, 15% moderate, 5% severe. **Farm activities** for the week included weed control, baling hay, seeding forage oats.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork** as some much needed rain fell last week. **Topsoil moisture** was reported as 45% short, 55% adequate. **Subsoil moisture** was reported as 40% short, 60% adequate. **Small grains** were reported as 100% pre-boot stage. **Potatoes** were reported as 60% emerged. First cutting of **hay** was 10% complete. Condition of the **hay** crop was reported as 10% fair, 65% good, 25% excellent. **Crop growth** was rated as 35% slow, 65% moderate. **Wind or rain damage to crops** was reported as 100% none. Major **farm activities** during the week included weed control, machinery repair, harvesting hay.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** supplies were reported as 20% short, 80% adequate. **Subsoil moisture** supplies were reported as 10% short, 90% adequate. **Potatoes** were reported 60% emerged. First cutting of **hay** was 5% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 60% good, 15% excellent. **Crop growth** was rated as 60% moderate, 40% rapid. **Wind or rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** for the week included preparing for hay harvest and planting forage crops.

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	55	56	58	56	55	55	81	44	0.08
Sawmill Creek	49	51 46	54	na	na	na	81	40	0.25
Plant Materials Center	51	51	57	na	na	52	81	43	0.01

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 18, 2007
 To: Sunday June 24, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - June 24, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	83	48	64	+4	0.12	2	2.35	+0.65	14	358	+92	815
Fairbanks/Eiels	82	45	62	+2	0.11	2	3.26	+1.28	19	316	+68	756
Nenana_Muni_AM	83	48	63	+4	0.01	1	1.79	+0.64	12	292	+76	745
Ftgreely/Allen	79	48	63	+5	0.29	2	3.23	+0.62	19	286	+52	719
Healy_River_Air	79	50	61	+4	0.33	4	2.00	-0.49	28	309	+153	753
Gulkana_Arpt_A	81	39	59	+6	0.23	1	0.94	-0.83	16	150	+65	509
Sutton	73	39	55	+1	0.08	2	2.91	+0.96	31	74	-20	453
Palmer_Municipa	80	47	59	+3	0.00	0	0.45	-1.19	5	165	+12	638
Talkeetna	87	47	62	+6	0.32	4	1.19	-2.32	17	206	+70	656
Willow_Airport	82	50	63	+8	0.13	4	2.90	+1.49	31	267	+152	754
Anchorage_Intl	77	47	58	+3	0.01	1	0.63	-0.89	9	124	-9	558
Kenai_Municipal	76	44	56	+4	0.18	2	1.46	-0.34	15	108	+53	495
Homer	65	39	52	+2	0.06	2	0.74	-1.05	16	28	-14	326
Kodiak	79	45	54	+4	0.43	4	15.12	+4.39	36	47	+4	270

For more weather information visit www.awis.com
 or call 1-888-798-9955.

Copyright 2006: Agricultural Weather Information Service, Inc.
 All rights reserved.

If you would prefer an electronic version of this report sent to you via email each Monday afternoon, please give us a call at (800)478-6079 and we can sign you up for our automatic subscription service.

Alaska Agricultural Statistics Service
 PO Box 799
 Palmer, AK 99645