

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension
RELEASED: June 28, 2004



U.S. Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
Palmer, AK 99645

GENERAL: There were **7.0 days suitable for fieldwork** last week. Temperatures were still well above normal last week, reaching into the high 80's in the Tanana and the Matanuska Valleys. Most growing areas across the state could still use some rain. **Topsoil moisture** supplies were reported as 70% short, 30% adequate. **Subsoil moisture** supplies were 50% short, 50% adequate. The **barley** crop was reported as 75% booting and 25% headed. **Oat** crops were reported as 100% pre-boot. **Condition of the barley** crop was listed as 20% fair, 50% good, 30% excellent. The **oat** crop was 30% fair, 60% good, 10% excellent. **Potatoes** were reported as 85% emerged statewide. **Crop growth** was listed as 25% slow, 60% moderate, 15% rapid. **The initial hay** harvest is almost complete with 80% of the first cutting reported as harvested. **Condition of the hay** crop was listed as 5% fair, 55% good, 40% excellent. Farm activities for the week included harvesting hay, harvesting vegetables, and irrigation activities.

CROP WEATHER SUMMARY June 21 - June 27, 2004		
DAYS SUITABLE FOR FIELDWORK: 7.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	70%	50%
ADEQUATE	30%	50%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/21-06/27 MAT AES SITE: +1.299		

TANANA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 80% short, 20% adequate. **Subsoil moisture supplies** were 50% short, 50% adequate. **Barley** was reported at 75% boot and 25% headed. **Oats** were 100% pre-boot. **Condition of the barley** crop was listed as 20% fair 50% good, 30% excellent. The **oat** crop was 40% fair, 50% good, 10% excellent. **Potatoes** were reported as 75% emerged. **Crop growth** was listed as 20% slow, 70% moderate, 10% rapid. **Hay** harvest was 85% complete. **Condition of the hay** crop was listed as 5% fair, 45% good, 50% excellent. **Farm activities** for the week included harvesting hay, weed control, irrigation, and fertilizing hay fields for second cutting.

MATANUSKA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 70% short, 30% adequate. **Subsoil moisture supplies** were reported as 60% short, 40% adequate. **Barley** was reported as 85% booting and 15% headed. **Oats** were 100% pre-boot. **Potatoes** were 95% emerged. **Crop growth** was listed as 35% slow, 50% moderate, 15% rapid. **Hay** harvest was 90% complete, with a few fields waiting to be baled. **Condition of the hay** crop was listed as 70% good and 30% excellent. Major **farm activities** during the week included harvesting hay, harvesting vegetables, forage harvest, and irrigation.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 30% short, 70% adequate. **Subsoil moisture supplies** were reported as 20% short, 80% adequate. **Potatoes** were 85% emerged. **Crop growth** was listed as 10% slow, 65% moderate, 25% rapid. **Hay** harvest was 25% complete. **Condition of the hay** crop was listed as 20% fair, 60% good, 20% excellent. Major **farm activities** for the week included harvesting hay and vegetables.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2004	2003	2002	2004	2003	2002	High	Low	
UAF-AFES, Trunk Road	66	60	61	64	62	63	87	49	0.00
Sawmill Creek	60	49	na	na	na	na	90	49	0.00
Plant Materials Center	na	na	60	na	na	55	na	na	na

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, Inc.

For the Period: Monday June 21, 2004
 To: Sunday June 27, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - June 27, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	88	57	72	+10	0.00	0	1.97	+0.08	20	544	+230	1073
Fairbanks/Eiels	88	57	73	+12	0.00	0	3.90	+1.65	25	576	+283	1124
Nenana Muni AM	87	53	68	+9	0.00	0	3.39	+2.04	26	459	+201	981
Ftgreely/Allen	88	57	72	+13	0.00	0	2.89	-0.07	18	440	+169	961
Healy River Air	84	54	67	+10	0.00	0	2.70	-0.14	37	380	+191	895
Gulkaņa Arpt_A	89	50	69	+14	0.00	0	0.98	-1.02	13	281	+176	808
Sutton	79	45	60	+6	0.00	0	2.58	+0.41	30	176	+62	694
Palmer Municipa	84	48	64	+8	0.00	0	0.86	-0.98	19	302	+121	867
Talkeetna	87	49	66	+10	0.00	0	2.64	-1.19	18	333	+168	890
Willow Airport	84	50	64	+9	0.00	0	2.33	+0.77	27	322	+179	882
Anchorage Intl	79	48	61	+5	0.00	0	1.65	-0.01	12	229	+69	765
Kenai Municipal	84	44	57	+5	0.00	0	1.75	-0.18	16	137	+69	626
Homer	69	42	56	+5	0.00	0	1.45	-0.46	17	95	+41	569
Kodiak	67	43	56	+5	0.03	1	13.37	+2.20	33	70	+18	526

DFN = Departure From Normal (Using 1961-90 Normals Period).
 Precipitation (Rainfall or melted snow/ice) and Pan Evap in inches.
 Precipitation Days = Days with precip of .01 inch or more.
 Air Temperatures in Degrees Fahrenheit.

Copyright 2004: Agricultural Weather Information Service, Inc.
 All rights reserved.

For detailed ag weather forecasts and data visit the AWIS home page
 at www.awis.com or call toll free at 1-888-798-9955.

Alaska Agricultural Statistics Service
 PO Box 799
 Palmer, AK 99645