

ALASKA CROP-WEATHER



Alaska Division of Agriculture
Alaska Cooperative Extension

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

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GENERAL: There were **6.0 days suitable for fieldwork** last week. Temperatures were well above normal last week, reaching into the high 80's in the Tanana Valley. Most growing areas across the state could use some rain. **Topsoil moisture** supplies were reported as 45% short, 55% adequate. **Subsoil moisture** supplies were 40% short, 60% adequate. The **barley and oat** crops were reported as 100% pre-boot. **Condition of the barley** crop was listed as 50% good, 50% excellent. The **oat** crop was 5% fair, 60% good, 35% excellent. **Potatoes** were reported as 60% emerged statewide. **Crop growth** was listed as 15% slow, 55% moderate, 30% rapid. **Hay** harvest was in full swing with 35% of the first cutting reported as harvested. **Condition of the hay** crop was listed as 10% fair, 45% good, 45% excellent. Farm activities for the week included harvesting hay, weed control, harvesting vegetables, equipment preparation and irrigation activities.

CROP WEATHER SUMMARY June 14 - June 20, 2004		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	45%	40%
ADEQUATE	55%	60%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/14-06/20 MAT AES SITE: +0.515		

TANANA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 40% short, 60% adequate. **Subsoil moisture supplies** were 30% short, 70% adequate. **Barley and oats** were 100% pre-boot. **Condition of the barley** crop was listed as 45% good, 55% excellent. The **oat** crop was 50% good, 50% excellent. **Potatoes** were reported as 25% emerged. **Crop growth** was listed as 60% moderate, 40% rapid. **Hay** harvest was 50% complete. **Condition of the hay** crop was listed as 10% fair, 35% good, 55% excellent. **Farm activities** for the week included harvesting hay, weed control, and preparing machinery for harvest.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 55% short, 45% adequate. **Subsoil moisture supplies** were reported as 60% short, 40% adequate. **Barley and oats** were 100% pre-boot. **Potatoes** were 80% emerged. **Crop growth** was listed as 40% slow, 40% moderate, 20% rapid. **Hay** harvest was 20% complete, with many more fields waiting to be baled. **Condition of the hay** crop was listed as 10% fair, 60% good, 30% excellent. Major **farm activities** during the week included cutting hay, weed control, irrigation, and equipment preparation.

KENAI PENINSULA: An average of **4.0 days were suitable for fieldwork**. **Topsoil and subsoil moistures** were both listed as 10% short, 90% adequate. **Potatoes** were 75% emerged. **Crop growth** was listed as 20% slow, 50% moderate, 30% rapid. **Hay** harvest was 10% complete. **Condition of the hay crop** was listed as 5% poor, 5% fair, 55% good, 35% excellent. Major **farm activities** for the week included harvesting hay and vegetables, and equipment preparation.

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	62	60	58	64	60	59	78	44	0.15
Sawmill Creek	57	48	na	na	na	na	90	44	0.07
Plant Materials Center	62	60	58	58	56	54	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 14, 2004
 To: Sunday June 20, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - June 20, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	87	53	68	+8	0.00	0	1.97	+0.43	20	392	+161	851
Fairbanks/Eiels	88	52	68	+9	0.08	2	3.90	+2.11	25	415	+200	893
Nenana Muni AM	86	50	65	+7	0.05	1	3.39	+2.38	26	329	+143	781
Ftgreely/Allen	86	51	66	+9	0.00	0	2.89	+0.56	18	286	+80	737
Healy River Air	81	48	64	+7	0.14	5	2.70	+0.49	37	257	+125	702
Gulkaņa Arpt_A	88	35	59	+6	0.05	1	0.98	-0.60	13	147	+75	604
Sutton	73	45	57	+4	0.76	3	2.58	+0.83	30	102	+22	550
Palmer Municipa	78	45	60	+5	0.02	1	0.86	-0.62	19	206	+72	701
Talkeetna	81	49	61	+6	0.69	3	2.64	-0.56	18	218	+103	705
Willow Airport	77	49	61	+6	0.79	3	2.33	+1.05	27	219	+122	709
Anchorage Intl	74	47	58	+4	0.72	3	1.65	+0.27	12	151	+36	617
Kenai Municipal	73	43	55	+5	0.47	3	1.75	+0.10	16	87	+41	506
Homer	70	44	53	+3	0.40	5	1.45	-0.21	17	55	+19	459
Kodiak	58	44	49	-2	3.04	6	13.34	+3.32	32	28	-9	414

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.

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 PO Box 799
 Palmer, AK 99645