

# ALASKA CROP-WEATHER



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

Alaska Division of Agriculture  
Alaska Cooperative Extension  
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**RELEASED:** June 30, 2008

**GENERAL:** There were **5.0 days suitable for fieldwork**. **Topsoil moisture** supplies were reported as 15% short, 80% adequate, 5% surplus. **Subsoil moisture** supplies were listed as 15% short, 85% adequate. **Barley** was 45% in-boot stage. **Oats** were reported as 10% in-boot. Condition of the barley crop was 40% fair, 60% good. Condition of the oat crop was 25% fair, 75% good. **Potatoes** were reported as 99% planted, 65% emerged. **Hay** harvest was 20% complete. Hay condition was rated as 10% poor, 25% fair, 65% good. **Crop growth** was rated 5% slow, 75% moderate, 20% rapid. **Wind or rain damage** to crops was reported as 95% none, 5% light. The main **farm activities** for the week were harvesting hay, irrigation, weed control, general maintenance.

CROP WEATHER SUMMARY June 23 - June 29, 2008		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	15%	15%
ADEQUATE	80%	85%
SURPLUS	5%	0%
PAN EVAPORATION FOR 06/23 - 06/29 MAT AES SITE: na		

**TANANA VALLEY:** An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 20% short, 80% adequate. **Subsoil moisture supplies** were also 20% short, 80% adequate. **Barley** was reported as 45% in-boot. **Oats** were reported as 15% in-boot. Condition of the barley crop was 40% fair, 60% good. Condition of the oat crop was 35% fair, 65% good. **Potatoes** were 100% planted, 70% emerged. **Hay** harvest was 20% complete. Condition of hay was rated as 10% poor, 25% fair, 65% good. **Crop growth** was rated 75% moderate, 25% rapid. **Wind or rain damage** was reported as 95% none, 5% light. **Farm activities** for the week included spraying weeds, harvesting hay, planting forage oats.

**MATANUSKA VALLEY:** An average of **5.5 days was suitable for fieldwork**. **Topsoil moisture** was reported at 15% short, 75% adequate, 10% surplus. **Subsoil moisture** was reported as 10% short, 90% adequate. **Potatoes** were 100% planted, 60% emerged. **Hay** harvest was 15% complete. Condition of hay was rated as 10% poor, 25% fair, 65% good. **Crop growth** was rated 75% moderate, 25% rapid. **Wind or rain damage** was reported as 95% none, 5% light. Major **farm activities** during the week included weed control, irrigating, harvesting hay, farm maintenance.

**KENAI PENINSULA:** There were **5.0 days suitable for fieldwork last week**. **Topsoil moisture** was reported at 100% adequate. **Subsoil moisture** was also reported as 100% adequate. **Potatoes** were 95% planted, 75% emerged. **Hay** harvest was 5% complete. Condition of hay was rated as 15% poor, 20% fair, 50% good, 15% excellent. **Crop growth** was rated 40% slow, 60% moderate. **Wind or rain damage** was reported as 99% none, 1% light. Major **farm activities** for the week included machinery maintenance, planting new hay ground.

## Soil Temperatures ( F<sup>0</sup> ) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2008	2007	2006	2008	2007	2006	High	Low	
UAF-AFES, Trunk Road	na	57	57	na	56	59	na	na	na
Sawmill Creek	na	51	50	na	na	na	na	na	na
Plant Materials Center	52	52	na	na	na	na	64	43	0.07

**CORRECTION - Soil Temperatures ( F<sup>0</sup> ) at 4 inch depth for the Week of 6/16-6/22**

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2008	2007	2006	2008	2007	2006	High	Low	
UAF-AFES, Trunk Road	55	55	56	53	56	55	69	42*	0.39*
Sawmill Creek	47	51	46	na	na	na	81	41	0.04
Plant Materials Center	51	51	51	na	na	na	69	44*	0.50*

\*The data for temperature & precipitation for UAF & PMC were inadvertently reversed; also the precip.data for PMC was corrected.

**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 23, 2008      To:      Sunday June 29, 2008

STATION	LAST WEEK WEATHER SUMMARY						May 1, 08 - June 29, 08 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F BASE 40F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	81	47	60	-2	0.82	5	2.76	+0.77	26	337	-2	870
Fairbanks/Eiels	79	42	58	-4	1.09	5	3.41	+1.02	28	228	-89	711
Nenana Muni AM	78	40	57	-4	1.85	5	3.36	+1.91	21	227	-53	715
Ftgreely/Allen	76	44	56	-5	1.13	4	2.73	-0.41	20	202	-89	693
Healy River Air	72	45	54	-5	0.62	5	1.67	-1.35	25	136	-71	568
Gulkana Arpt A	67	30	49	-7	0.33	4	1.33	-0.79	16	88	-29	491
Sutton	64	36	50	-6	0.46	7	2.59	+0.30	36	37	-88	430
Palmer Municipa	64	43	53	-4	0.18	2	0.40	-1.56	6	111	-84	610
Talkeetna	68	42	54	-5	0.88	5	2.10	-1.91	17	115	-66	554
Willow Airport	64	45	55	-3	0.49	6	2.49	+0.85	32	158	+1	650
Anchorage Intl	63	45	53	-4	0.29	3	1.13	-0.61	14	62	-112	499
Kenai Municipal	66	43	52	-2	0.41	3	1.13	-0.88	16	34	-42	411
Homer	60	37	50	-3	0.06	2	1.66	-0.33	18	14	-46	326
Kodiak	57	39	48	-5	2.79	6	22.13	+10.64	36	23	-35	304

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