

# ALASKA CROP-WEATHER

Alaska Division of Agriculture  
Alaska Cooperative Extension



ALASKA  
AGRICULTURAL  
STATISTICS SERVICE

US Department of Agriculture  
National Agricultural Statistics Service  
P.O. Box 799  
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**RELEASED:** June 27, 2005

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. **Topsoil and subsoil moisture** supplies were both reported as 5% short, 90% adequate, 5% surplus. **Barley** was reported as 20% headed, while **oats** were reported as 60% in boot. Condition of the barley crop was reported as 5% poor, 10% fair, 40% good, 45% excellent. **Oats** were reported as 5% poor, 70% good, 25% excellent. **Potatoes** were reported as 65% emerged. Condition of the potato crop was listed as 15% fair, 70% good, 15% excellent. First cutting of **hay** was reported as 15% complete statewide. Condition of hay was listed as 5% poor, 20% fair, 45% good, 30% excellent. **Farm activities** for the week included harvesting hay, equipment maintenance, weed control, transplanting vegetables and irrigation.

CROP WEATHER SUMMARY June 20 – June 26, 2005		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	5%	5%
ADEQUATE	90%	90%
SURPLUS	5%	5%
PAN EVAPORATION FOR 06/20-06/26 MAT AES SITE: +0.974		

**TANANA VALLEY:** There were **5.0 days suitable for fieldwork** last week as afternoon showers slowed hay harvest activities. **Topsoil and subsoil moisture** was reported at 95% adequate, 5% surplus. **Barley** was reported as 20% headed. **Oats** were reported as 40% in boot. Condition of the barley crop was reported as 5% poor, 10% fair, 40% good, 45% excellent. **Oats** were listed as 5% poor, 65% good, 30% excellent. **Potatoes** were reported as 20% emerged. **Crop growth** was reported as 60% moderate, 40% rapid. **Hay** was reported as 15% harvested. Condition of hay was listed as 10% poor, 25% fair, 25% good, 40% excellent. **Farm activities** for the week included harvesting hay, weed control and equipment maintenance.

**MATANUSKA VALLEY:** There were **6.0 days suitable for fieldwork**. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moistures** was reported as 10% short, 90% adequate. **Potatoes** were reported as 90% emerged. **Crop growth** was reported as 90% moderate, 10% rapid. **Hay** was reported as 20% harvested with many fields still waiting to be baled. **Condition of hay** was listed as 15% fair, 70% good, 15% excellent. Major **farm activities** during the week included weed control, irrigation, cutting sod, and harvesting hay and vegetables.

**KENAI PENINSULA:** An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture and subsoil moisture** were both 5% short, 95% adequate. **Potatoes** were reported as 90% emerged. **Crop growth** was reported as 75% moderate, 25% rapid. **Hay** harvest was 15% complete. Condition of hay was listed as 5% poor, 15% fair, 60% good, 20% excellent. Major **farm activities** for the week included harvesting vegetables and hay, fencing and equipment maintenance.

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

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2005	2004	2003	2005	2004	2003	High	Low	
UAF-AFES, Trunk Road	60	66	60	60	64	62	74	43	0.05
Sawmill Creek	53	60	49	na	na	na	72	39	1.54
Plant Materials Center	61	na	na	55	na	na	73	43	0.07

## 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, Inc.

For the Period: Monday June 20, 2005  
 To: Sunday June 26, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - June 26, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	69	47	57	-6	0.81	5	3.17	+1.37	25	453	+163	1008
Fairbanks/Eiels	72	46	58	-3	1.42	5	4.17	+2.05	26	496	+226	1062
Nenana_Muni_AM	69	41	56	-5	0.53	5	1.94	+0.69	19	399	+163	956
Ftgreely/Allen	70	45	55	-5	1.13	5	3.33	+0.54	21	353	+101	889
Healy_River_Air	68	43	53	-5	0.79	7	4.56	+1.89	31	259	+87	779
Gulkana_Arpt_A	69	39	55	+0	1.16	4	2.81	+0.92	21	137	+42	597
Sutton	67	39	52	-3	1.37	5	5.11	+3.04	43	90	-14	569
Palmer_Municipa	71	46	56	+0	0.08	2	2.20	+0.46	16	246	+79	796
Talkeetna	73	45	58	+2	0.22	4	2.58	-1.11	27	274	+124	795
Willow_Airport	73	46	58	+2	1.48	5	4.72	+3.23	41	288	+159	835
Anchorage_Intl	68	45	56	+0	0.01	1	1.02	-0.58	17	190	+44	723
Kenai_Municipal	67	35	51	-1	0.20	2	1.82	-0.06	19	44	-17	485
Homer	65	42	53	+2	0.02	2	1.17	-0.70	24	88	+40	594
Kodiak	65	43	52	+3	0.28	2	11.88	+0.83	35	52	+5	479

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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