

# 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:** July 5, 2005

**GENERAL:** There were **4.0 days suitable for fieldwork** last week as intermittent showers hampered the hay harvest in many areas. **Topsoil and subsoil moisture** supplies were both reported as 95% adequate, 5% surplus. **Barley** was reported as 50% headed, while **oats** were reported as 40% headed. Condition of the barley crop was reported as 5% poor, 10% fair, 40% good, 45% excellent. **Oats** were reported as 5% poor, 10% fair, 50% good, 35% excellent. **Potatoes** were reported as 95% emerged with 5% of the crop in bloom. Condition of the potato crop was listed as 15% fair, 55% good, 30% excellent. First cutting of **hay** was reported as 35% complete statewide. Condition of hay was listed as 10% poor, 30% fair, 45% good, 15% excellent. **Farm activities** for the week included harvesting hay, equipment maintenance, weed control, transplanting vegetables, fertilizing behind first cutting hay ground and irrigation.

CROP WEATHER SUMMARY June 27 – July 3, 2005		
DAYS SUITABLE FOR FIELDWORK: 4.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	0%
ADEQUATE	95%	95%
SURPLUS	5%	5%
PAN EVAPORATION FOR 06/27-07/03 MAT AES SITE: not available		

**TANANA VALLEY:** There were **4.0 days suitable for fieldwork** last week as showers slowed the hay harvest. **Topsoil and subsoil moisture** was reported at 95% adequate, 5% surplus. **Barley and oats** were reported as 50% headed. Condition of both the barley and oat crops was reported as 5% poor, 10% fair, 40% good, 45% excellent. **Potatoes** were reported as 95% emerged, 10% in bloom. **Crop growth** was reported as 50% moderate, 50% rapid. **Hay** was reported as 35% harvested. Condition of hay was listed as 20% poor, 40% fair, 40% good. **Farm activities** for the week included harvesting hay, weed control, fertilizing, planting grass crops and machinery repair.

**MATANUSKA VALLEY:** There were **5.0 days suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 100% adequate. **Potatoes** were reported as 95% emerged, 5% in bloom. **Crop growth** was reported as 30% moderate, 70% rapid. **Hay** was reported as 40% harvested with many fields waiting to be baled. **Condition of hay** was listed as 10% fair, 60% good, 30% excellent. **Farm activities** during the week included weed control, irrigation, transplanting vegetables and harvesting hay and vegetables.

**KENAI PENINSULA:** An average of **4.0 days were suitable for fieldwork**. **Topsoil moisture and subsoil moisture** were both 100% adequate. **Potatoes** were reported as 95% emerged. **Crop growth** was reported as 60% moderate, 40% rapid. **Hay** harvest was 20% complete. Condition of hay was listed as 20% fair, 40% good, 40% excellent. **Farm activities** for the week included haying 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	na	62	63	na	61	63	na	na	na
Sawmill Creek	54	na	54	na	na	na	84	39	0.62
Plant Materials Center	62	58	64	58	59	60	78	43	0.58

## 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 27, 2005  
 To: Sunday July 3, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - July 3, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	82	50	64	+2	0.31	3	3.48	+1.33	28	554	+176	1179
Fairbanks/Eiels	81	52	64	+3	0.52	3	4.69	+2.08	29	597	+244	1233
Nenana_Muni_AM	82	48	63	+3	1.43	2	3.37	+1.77	21	493	+180	1120
Ftgreely/Allen	81	47	62	+3	0.26	5	3.59	+0.17	26	439	+115	1045
Healy_River_Air	79	46	62	+3	0.44	4	5.00	+1.70	35	342	+108	932
Gulkana_Arpt_A	77	40	58	+3	0.42	3	3.23	+0.92	24	196	+61	726
Sutton	73	46	58	+3	0.52	6	5.63	+3.14	49	148	+5	697
Palmer_Municipa	78	48	62	+5	1.07	4	3.27	+1.12	20	329	+110	949
Talkeetna	85	49	63	+6	0.37	5	2.95	-1.37	32	368	+162	959
Willow_Airport	78	50	63	+6	0.41	6	5.13	+3.33	47	382	+201	999
Anchorage_Intl	75	49	61	+5	0.40	3	1.42	-0.46	20	272	+76	875
Kenai_Municipal	74	37	54	+1	0.41	5	2.23	+0.06	24	75	-13	586
Homer	68	44	57	+5	0.39	4	1.56	-0.59	28	137	+68	713
Kodiak	68	48	55	+4	1.10	5	12.98	+0.84	40	88	+21	585

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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