

# 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 11, 2005

**GENERAL:** There were **4.5 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 10% short, 85% adequate, 5% surplus. **Subsoil moisture** supplies were reported as 5% short, 90% adequate, 5% surplus. **Barley** was reported as 15% in dough, while **oats** were reported as 40% in dough. Condition of the barley crop was reported as 5% poor, 10% fair, 35% good, 50% excellent. **Oats** were reported as 5% poor, 10% fair, 50% good, 35% excellent. **Potatoes** were reported as 25% in bloom. Condition of the potato crop was listed as 20% fair, 55% good, 25% excellent. First cutting of **hay** was reported as 65% complete statewide. Condition of hay was listed as 10% poor, 20% fair, 35% good, 35% excellent. **Range and pasture** condition was reported as 10% fair, 55% good, 35% excellent. **Farm activities** for the week included harvesting hay and vegetables, weed control and irrigation.

CROP WEATHER SUMMARY July 4 – July 10, 2005		
DAYS SUITABLE FOR FIELDWORK: 4.5		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	5%
ADEQUATE	85%	90%
SURPLUS	5%	5%
PAN EVAPORATION FOR 07/04-07/10 MAT AES SITE: +0.189		

**TANANA VALLEY:** There were **3.0 days suitable for fieldwork** last week as showers continued to hamper the hay harvest. **Topsoil and subsoil moisture** were both reported as 95% adequate, 5% surplus. **Barley** was reported as 15% in dough, while **oats** were reported as 40% in dough. Condition of the barley crop was reported as 5% poor, 10% fair, 35% good, 50% excellent. Condition of the oat crop was reported as 5% poor, 10% fair, 40% good, 45% excellent. **Potatoes** were reported as 25% in bloom. Condition of the potato crop was listed as 25% fair, 50% good, 25% excellent. **Hay** was reported as 70% harvested. Condition of hay was listed as 15% poor, 25% fair, 20% good, 40% excellent. **Range and pasture** condition was reported as 10% fair, 40% good, 50% excellent. **Farm activities** for the week included harvesting hay, weed control, fertilizing and machinery repair.

**MATANUSKA VALLEY:** There were **6.0 days suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 25% short, 75% adequate. **Potatoes** were reported as 25% in bloom. Condition of the potato crop was listed as 15% fair, 60% good, 25% excellent. **Hay** was reported as 65% harvested. **Condition of hay** was listed as 10% fair, 65% good, 25% excellent. **Range and pasture** condition was reported as 10% fair, 70% good, 20% excellent. **Farm activities** during the week included weed control, irrigation, transplanting vegetables and harvesting hay and vegetables.

**KENAI PENINSULA:** An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was 100% adequate. **Potatoes** were reported as 100% emerged. Condition of the potato crop was listed as 60% good, 40% excellent. **Hay** harvest was 50% complete. Condition of hay was listed as 15% fair, 55% good, 30% excellent. **Range and pasture** condition was reported as 15% fair, 40% good, 45% 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> (inches)
	2005	2004	2003	2005	2004	2003	High	Low	
UAF-AFES, Trunk Road	64	62	64	66	66	67	78	50	0.16
Sawmill Creek	na	na	54	na	na	na	na	na	na
Plant Materials Center	65	65	na	66	64	na	77	47	0.09

### 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 July 4, 2005  
 To: Sunday July 10, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - July 10, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	74	50	62	-2	1.74	6	5.22	+2.72	34	639	+170	1334
Fairbanks/Eiels	73	52	62	+0	1.05	6	5.74	+2.64	35	685	+246	1391
Nenana Muni AM	76	50	62	+1	0.88	7	4.25	+2.23	28	580	+186	1277
Ftgreely/Allen	73	48	60	-2	0.84	6	4.43	+0.38	32	511	+110	1187
Healy River Air	68	50	59	-2	0.94	7	5.94	+2.01	42	403	+100	1063
Gulkana Arpt A	73	43	58	+1	0.83	5	4.06	+1.35	29	250	+67	850
Sutton	72	45	58	+3	0.66	6	6.29	+3.31	55	208	+21	827
Palmer Municipa	76	50	62	+4	0.55	3	3.82	+1.25	23	413	+138	1103
Talkeetna	76	51	63	+5	0.24	4	3.19	-1.78	36	462	+193	1123
Willow Airport	76	51	63	+5	0.25	5	5.38	+3.23	52	473	+235	1160
Anchorage Intl	75	52	62	+5	0.00	0	1.42	-0.77	20	359	+107	1032
Kenai Municipal	75	40	57	+3	0.00	0	2.23	-0.29	24	125	+4	706
Homer	70	47	58	+6	0.02	2	1.58	-0.85	30	195	+99	841
Kodiak	74	42	58	+6	0.00	0	12.98	-0.17	40	148	+56	715

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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