

# ALASKA CROP-WEATHER

Alaska Division of Agriculture  
Alaska Cooperative Extension  
**RELEASED:** July 19, 2004



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

**GENERAL:** There were **7.0 days suitable for fieldwork** last week. Temperatures remained above normal and only small amounts of precipitation fell in most growing areas. Conditions remain dry across the state. **Topsoil moisture** supplies were reported as 75% short, 25% adequate. **Subsoil moisture** supplies were 60% short, 40% adequate. The **barley** crop was reported as 70% in dough, 30% turning color. The **oat** crop was reported as 60% headed, 40% in dough. **Condition of the barley** crop was listed as 45% good, 55% excellent. **Condition of the oat** crop was listed as 5% poor, 35% fair, 45% good, 15% excellent. **Potatoes** were reported as 40% in bloom statewide. **Condition of the potato** crop was listed as 15% fair, 55% good, 30% excellent. **Crop growth** was listed as 25% slow, 55% moderate, 20% rapid. **The initial hay** harvest is nearing completion with 99% of the first cutting reported as harvested. **Condition of the hay** crop was listed as 30% poor, 20% fair, 30% good, 20% excellent. **Pasture and range condition** was 20% poor, 30% fair, 35% good, 15% excellent. Farm activities for the week included finishing up hay harvest, weed control, fertilizing, irrigation, harvesting vegetables and fence repair.

CROP WEATHER SUMMARY July 12 - July 18, 2004		
DAYS SUITABLE FOR FIELDWORK: 7.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	75%	60%
ADEQUATE	25%	40%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/12-07/18 MAT AES SITE: +1.458		

**TANANA VALLEY:** An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 70% short, 30% adequate. **Subsoil moisture supplies** were 50% short, 50% adequate. **Barley** was reported at 75% in dough, 25% turning color. **Oats** were 60% headed, 40% in dough. **Condition of the barley** crop was listed as 45% good, 55% excellent. The **oat** crop was 30% fair, 50% good, 20% excellent. **Potatoes** were reported as 30% in bloom. **Crop growth** was listed as 10% slow, 70% moderate, 20% rapid. **Hay** harvest was 99% complete. **Condition of the hay** crop was listed as 30% poor, 15% fair, 25% good, 30% excellent. **Pasture and range condition** was 25% fair, 50% good, 25% excellent. **Farm activities** for the week included harvesting hay, spreading manure, weed control, and fertilizing hay fields for second cutting.

**MATANUSKA VALLEY:** An average of **7.0 days were suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 90% short, 10% adequate. **Potatoes** were 50% in bloom. **Crop growth** was listed as 65% slow, 30% moderate, 5% rapid. **Hay** harvest was 99% complete with a few fields waiting to be baled. **Condition of the hay** crop was listed as 35% poor, 35% fair and 30% good. **Pasture and range condition** was 45% poor, 40% fair, 15% good. Major **farm activities** included irrigation, harvesting hay and vegetables, equipment repair, weed control and irrigation.

**KENAI PENINSULA:** An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 40% short, 60% adequate. **Subsoil moisture supplies** were reported as 30% short, 70% adequate. **Potatoes** were 40% in bloom. **Crop growth** was listed as 40% moderate, 60% rapid. **Hay** harvest was 85% complete. **Condition of the hay** crop was listed as 20% fair, 55% good, 25% excellent. **Pasture and range condition** was 10% poor, 20% fair, 40% good, 30% excellent. Major **farm activities** for the week included harvesting hay and vegetables and weed control.

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

	Grass			Fallow land			Temperature		Precip (inches)
	2004	2003	2002	2004	2003	2002	High	Low	
UAF-AFES, Trunk Road	64	55	64	61	70	65	83	48	0.00
Sawmill Creek	61	53	na	na	na	na	86	47	0.42
Plant Materials Center	na	na	63	na	na	58	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 July 12, 2004  
 To: Sunday July 18, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - July 18, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	87	51	69	+7	0.04	3	2.03	-0.97	25	886	+300	1625
Fairbanks/Eiels	86	54	71	+10	0.02	1	4.47	+0.75	32	935	+386	1693
Nenana Muni AM	87	48	68	+7	0.37	2	4.17	+1.58	33	769	+271	1501
Ftgreely/Allen	84	49	67	+7	0.18	2	4.13	-0.72	27	750	+251	1481
Healy River Air	84	52	70	+11	0.09	2	3.29	-1.43	48	702	+309	1427
Gulkaņa Arpt_A	83	42	65	+9	0.00	0	1.12	-2.10	18	532	+284	1269
Sutton	77	48	60	+3	0.03	1	3.04	-0.55	38	376	+126	1104
Palmer Municipa	84	50	64	+7	0.00	0	1.03	-2.15	23	560	+211	1335
Talkeetna	82	52	65	+7	0.00	0	3.14	-2.71	21	621	+271	1388
Willow Airport	80	53	65	+6	0.03	1	2.65	+0.00	34	606	+287	1376
Anchorage Intl	77	50	62	+4	0.02	1	1.77	-0.87	15	476	+146	1222
Kenai Municipal	73	43	57	+3	0.05	1	1.84	-1.15	19	318	+152	1017
Homer	77	46	59	+5	0.06	1	1.55	-1.27	21	259	+127	943
Kodiak	80	51	57	+4	1.57	4	16.81	+2.66	45	226	+96	892

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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Alaska Agricultural Statistics Service  
 PO Box 799  
 Palmer, AK 99645