

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension
RELEASED: July 26, 2004



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

GENERAL: There were **6.0 days suitable for fieldwork** last week. Conditions remain dry across the state, however, rain did fall in many areas. Temperatures remained above normal again last week. **Topsoil moisture** supplies were reported as 75% short, 25% adequate. **Subsoil moisture** supplies were 60% short, 40% adequate. The **barley** crop was reported as 45% in dough, 50% turning color, 5% ripe. The **oat** crop was reported as 80% in dough, 20% turning color. **Condition of the barley** crop was listed as 5% fair, 40% good, 55% excellent. **Condition of the oat** crop was listed as 5% poor, 30% fair, 50% good, 15% excellent. **Potatoes** were reported as 65% in bloom statewide. **Condition of the potato** crop was listed as 15% fair, 50% good, 35% excellent. **Crop growth** was listed as 40% slow, 55% moderate, 5% rapid. **The initial hay** harvest is virtually complete. **Condition of the second cutting hay** crop was listed as 30% poor, 30% fair, 35% good, 5% excellent. **Pasture and range condition** was 25% poor, 30% fair, 30% good, 15% excellent. Farm activities for the week included finishing up hay harvest, weed control, fertilizing, irrigation, harvesting vegetables and grass seed, marketing crops and preparing equipment for harvest.

CROP WEATHER SUMMARY July 19 - July 25, 2004		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	75%	60%
ADEQUATE	25%	40%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/19-07/26 MAT AES SITE: +0.745		

TANANA VALLEY: An average of **6.0 days** were suitable for fieldwork. **Topsoil moisture** was reported as 80% short, 20% adequate. **Subsoil moisture supplies** were 60% short, 40% adequate. **Barley** was reported at 45% in dough, 50% turning color, 5% ripe. **Oats** were 80% in dough, 20% turning color. **Condition of the barley** crop was listed as 40% good, 60% excellent. The **oat** crop was 30% fair, 50% good, 20% excellent. **Potatoes** were reported as 50% in bloom. **Crop growth** was listed as 35% slow, 60% moderate, 5% rapid. **Hay** harvest was winding down. **Condition of the second cutting hay** crop was listed as 30% poor, 30% fair, 35% good, 5% excellent. **Pasture and range condition** was 30% fair, 50% good, 20% excellent. **Farm activities** for the week included harvesting hay, grass seed and vegetables, marketing crops, weed control, fertilizing hay fields for second cutting and preparing for grain harvest.

MATANUSKA VALLEY: An average of **6.0 days** were suitable for fieldwork. **Topsoil and subsoil moistures** were both reported as 80% short, 20% adequate. **Potatoes** were 75% in bloom. **Crop growth** was listed as 50% slow, 50% moderate. **Hay** harvest was almost complete. **Condition of the second cutting hay** crop was listed as 35% poor, 40% fair and 25% good. **Pasture and range condition** was 50% poor, 35% fair, 15% good. Major **farm activities** included irrigation, harvesting hay and vegetables, equipment repair, weed control and irrigation.

KENAI PENINSULA: An average of **4.0 days** were suitable for fieldwork. **Topsoil moisture and subsoil moisture supplies** were reported as 5% short, 95% adequate. **Potatoes** were 50% in bloom. **Crop growth** was listed as 40% moderate, 60% rapid. **Hay** harvest was 95% complete. **Condition of the second cutting hay** crop was listed as 10% fair, 60% good, 30% excellent. **Pasture and range condition** was 10% poor, 30% fair, 30% good, 30% excellent. Major **farm activities** for the week included harvesting hay and vegetables, equipment repair and weed control.

Soil Temperatures (F⁰) at 4 inch depth

	Grass			Fallow land			Temperature		Precip (inches)
	2004	2003	2002	2004	2003	2002	High	Low	
UAF-AFES, Trunk Road	63	na	61	63	na	57	75	48	0.39
Sawmill Creek	na	54	na	na	na	na	na	na	na
Plant Materials Center	na	58	61	na	55	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 19, 2004
 To: Sunday July 25, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - July 25, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	80	53	63	+2	0.51	3	2.54	-0.88	28	981	+310	1790
Fairbanks/Eiels	81	54	65	+4	0.26	4	4.73	+0.48	36	1038	+408	1866
Nenana Muni AM	80	50	63	+3	0.84	5	5.01	+1.93	38	859	+286	1661
Ftgreely/Allen	77	50	64	+4	0.06	2	4.19	-1.29	29	848	+273	1649
Healy River Air	75	48	61	+3	0.64	7	3.93	-1.35	55	784	+326	1579
Gulkaņa Arpt_A	80	34	59	+3	0.18	1	1.30	-2.34	19	598	+301	1405
Sutton	71	49	59	+2	1.26	7	4.30	+0.16	45	437	+138	1235
Palmer Municipa	75	49	61	+3	0.23	2	1.26	-2.41	25	640	+235	1485
Talkeetna	77	52	63	+5	0.23	5	3.37	-3.27	26	714	+301	1551
Willow Airport	74	51	62	+3	0.74	5	3.39	+0.30	39	689	+307	1529
Anchorage Intl	73	50	62	+4	0.10	2	1.87	-1.21	17	560	+167	1376
Kenai Municipal	74	46	59	+4	0.21	6	2.05	-1.36	25	384	+179	1153
Homer	66	43	57	+3	0.06	4	1.61	-1.56	25	313	+146	1067
Kodiak	64	51	55	+0	2.33	7	19.14	+4.13	52	263	+98	999

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.

Copyright 2004: Agricultural Weather Information Service, Inc.
 All rights reserved.

For detailed ag weather forecasts and data visit the AWIS home page
 at www.awis.com or call toll free at 1-888-798-9955.

Alaska Agricultural Statistics Service
 PO Box 799
 Palmer, AK 99645