

# ALASKA CROP-WEATHER



Alaska Division of Agriculture  
Alaska Cooperative Extension

U.S. Department of Agriculture  
National Agricultural Statistics Service  
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**RELEASED:** June 14, 2004

**GENERAL:** There were **6.0 days suitable for fieldwork** last week. Temperatures were generally above normal again last week and many growing areas received small amounts of rain. **Topsoil moisture** supplies were reported as 20% short, 80% adequate. **Subsoil moisture** supplies remained at 10% short, 90% adequate. The **barley and oat** crops were reported as 100% pre-boot. **Condition of the barley** crop was listed as 55% good, 45% excellent. The **oat** crop was 5% fair, 65% good, 30% excellent. **Potatoes** were reported as 15% emerged statewide. **Crop growth** was listed as 70% moderate, 30% rapid. **Hay** harvest was just underway. **Condition of the hay** crop was listed as 10% fair, 65% good, 25% excellent. Farm activities for the week included planting potatoes, seeding forage oats, cultivation, equipment preparation and irrigation activities.

CROP WEATHER SUMMARY June 7 - June 13, 2004		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	20%	10%
ADEQUATE	80%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/07-06/13 MAT AES SITE: +0.923		

**TANANA VALLEY:** An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture supplies** were 100% adequate. **Barley and oats** were 100% pre-boot. **Condition of the barley** crop was listed as 55% good, 45% excellent. The **oat** crop was 60% good, 40% excellent. **Planting of potatoes** was 100% complete, 10% emerged. **Crop growth** was listed as 60% moderate, 40% rapid. **Hay** harvest began last week. **Condition of the hay** crop was listed as 10% fair, 65% good, 25% excellent. **Farm activities** for the week included weed control, planting potatoes, seeding grass and forage oats, spreading manure, preparing machinery and cutting hay.

**MATANUSKA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 35% short, 65%adequate. **Subsoil moisture supplies** were reported as 30% short, 70% adequate. **Barley and oats** were 100% pre-boot. **Potatoes** were 15% emerged. **Crop growth** was listed as 85% moderate, 15% rapid. **Hay** harvest was underway as several fields were cut and baled last week. **Condition of the hay** crop was listed as 10% fair, 65% good, 25% excellent. Major **farm activities** during the week included cutting hay, weed control, irrigation, planting cover crops and preparing for hay harvest.

**KENAI PENINSULA:** An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was 5% short, 95% adequate. **Subsoil moisture** was 100% adequate. **Planting of potatoes** was 90% complete, 20% emerged. **Crop growth** was listed as 10% slow, 60% moderate, 30% rapid. **Condition of the hay** crop was listed as 10% fair, 50% good, 40% excellent. Major **farm activities** for the week included planting potatoes and readying hay equipment.

## 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	59	58	59	58	56	60	73	40	0.00
Sawmill Creek	50	43	na	na	na	na	81	35	1.16
Plant Materials Center	56	56	58	53	54	55	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 June 7, 2004  
 To: Sunday June 13, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - June 13, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	83	48	63	+5	0.27	4	1.97	+0.78	20	264	+107	653
Fairbanks/Eiels	82	50	64	+6	0.76	6	3.82	+2.45	23	288	+141	696
Nenana Muni AM	82	43	61	+4	0.17	5	3.34	+2.61	25	221	+97	603
Ftgreely/Allen	77	45	59	+3	0.77	4	2.89	+1.17	18	172	+23	553
Healy River Air	81	43	56	+1	0.47	6	2.56	+0.91	32	159	+74	534
Gulkana Arpt A	79	37	54	+2	0.12	2	0.93	-0.28	12	81	+35	468
Sutton	70	41	52	-1	0.29	6	1.82	+0.42	27	54	+2	432
Palmer Municipa	71	43	54	+0	0.14	3	0.84	-0.32	18	133	+40	558
Talkeetna	75	45	56	+2	0.02	1	1.95	-0.69	15	140	+67	557
Willow Airport	70	44	55	+2	0.28	6	1.54	+0.53	24	142	+83	562
Anchorage Intl	70	41	53	-1	0.05	2	0.93	-0.17	9	92	+14	488
Kenai Municipal	67	37	51	+2	0.09	3	1.28	-0.09	13	49	+19	398
Homer	64	36	50	+1	0.14	3	1.05	-0.40	12	32	+10	366
Kodiak	60	36	47	-2	2.44	5	10.30	+1.51	26	26	+2	352

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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