

# 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  
Palmer, AK 99645

**RELEASED:** June 20, 2005

**GENERAL:** There were **5.0 days suitable for fieldwork** last week statewide as rain fell over much of the State during the weekend. **Topsoil and subsoil moisture** supplies were both reported as 95% adequate, 5% surplus. **Barley** was reported as 5% in boot, while **oats** were reported as 100% pre-boot. Condition of the barley crop was reported as 10% fair, 50% good, 40% excellent. **Oats** were reported as 10% fair, 60% good, 30% excellent. **Potato** planting was reported as virtually complete statewide, with 55% emerged. **Crop growth** was reported as 75% moderate, 25% rapid. **Condition of hay** was listed as 10% poor, 20% fair, 55% good, 15% excellent. Heavy rains over the weekend caused some mature stands of hay to lodge in the Tanana and Mat-Su valleys. Harvest of hay is underway. **Farm activities** for the week included finishing potato planting, transplanting vegetables, harvesting hay and haylage, equipment maintenance, weed control, and irrigation.

CROP WEATHER SUMMARY June 13 – June 19, 2005		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	0%
ADEQUATE	95%	95%
SURPLUS	5%	5%
PAN EVAPORATION FOR 06/13-06/19 MAT AES SITE: +0.980		

**TANANA VALLEY:** There were **5.0 days suitable for fieldwork** last week as heavy rains fell over the weekend. **Topsoil and subsoil moisture** was reported at 95% adequate, 5% surplus. **Barley** was reported as 5% in boot. **Oats** were reported as 100% pre-boot. Condition of the barley crop was reported as 10% fair, 50% good, 40% excellent. **Oats** were also listed as 10% fair, 50% good, 40% excellent. **Potatoes** were reported as 10% emerged. **Crop growth** was reported as 75% moderate, 25% rapid. **Condition of hay** was listed as 10% poor, 25% fair, 50% good, 15% excellent. **Farm activities** for the week included planting potatoes and harvesting vegetables, hay and haylage in between thunderstorms.

**MATANUSKA VALLEY:** There were **5.0 days suitable for fieldwork** last week as rain fell over the weekend. **Topsoil and subsoil moistures** were reported as 100% adequate. **Barley** and **oats** were reported as 100% pre-boot. **Potatoes** were reported as 80% emerged. **Crop growth** was reported as 80% moderate, 20% rapid. **Condition of hay** was listed as 10% poor, 15% fair, 65% good, 10% excellent. Major **farm activities** during the week included transplanting vegetables, weed control, irrigation, cutting sod, and harvesting hay.

**KENAI PENINSULA:** An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was 5% short, 95% adequate. **Subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 95% planted, with 45% emerged. **Crop growth** was reported as 5% slow, 70% moderate, 25% rapid. **Condition of hay** was listed as 10% fair, 60% good, 30% excellent. Major **farm activities** for the week included planting potatoes, harvesting vegetables, cutting hay 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	58	62	60	55	64	60	76	48	0.36
Sawmill Creek	54	57	48	na	na	na	80	41	1.04
Plant Materials Center	57	62	60	52	58	56	75	44	0.31

### 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 13, 2005  
 To: Sunday June 19, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - June 19, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	81	53	66	+7	0.70	6	2.36	+0.91	20	406	+197	891
Fairbanks/Eiels	82	52	68	+9	1.02	6	2.75	+1.07	21	440	+245	936
Nenana_Muni_AM	83	51	66	+8	0.29	3	1.41	+0.48	14	358	+191	845
Ftgreely/Allen	78	50	64	+7	0.66	4	2.20	+0.04	16	314	+124	783
Healy_River_Air	77	48	61	+5	1.87	7	3.77	+1.71	24	230	+112	683
Gulkana_Arpt_A	82	40	59	+7	0.30	5	1.65	+0.18	17	99	+35	491
Sutton	70	43	57	+4	0.81	4	3.74	+2.07	38	72	+0	482
Palmer_Municipa	76	48	60	+6	0.62	3	2.12	+0.73	14	199	+77	679
Talkeetna	79	48	62	+7	0.33	3	2.36	-0.72	23	217	+115	668
Willow_Airport	73	49	60	+6	0.68	4	3.24	+2.03	36	231	+146	708
Anchorage_Intl	69	45	57	+3	0.52	3	1.01	-0.31	16	143	+40	606
Kenai_Municipal	65	34	50	-2	0.68	3	1.62	+0.02	17	32	-8	404
Homer	65	41	53	+4	0.65	4	1.15	-0.49	22	69	+37	505
Kodiak	66	41	52	+4	0.60	3	11.60	+1.72	33	34	+1	391

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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 PO Box 799  
 Palmer, AK 99645