

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

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GENERAL: There were **6.0 days suitable for fieldwork** last week statewide. High temperatures were generally in the high seventies to low eighties in the Tanana Valley and in the high sixties in Mat-Su and the Kenai. **Topsoil moisture** supplies were reported as 25% short, 75% adequate. **Subsoil moisture** supplies were listed as 10% short, 90% adequate. **Barley** and **oats** were reported as 100% pre-boot. Condition of the barley crop was reported as 20% fair, 40% good, 40% excellent. **Oats** were reported as 10% fair, 60% good, 30% excellent. **Potato** planting was reported as 80% complete statewide, with 10% emerged. **Crop growth** was reported as 70% moderate, 30% rapid. **Condition of hay** was listed as 15% fair, 40% good, 45% excellent. Harvest of hay is just beginning in many areas. **Wind and rain damage** to new plantings was reported as 95% none, 5% light. **Farm activities** for the week included finishing potato planting, transplanting vegetables, preparing for first cutting of hay, fertilizing, weed control, and irrigation.

CROP WEATHER SUMMARY June 6 – June 12, 2005		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	25%	10%
ADEQUATE	75%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/06-06/12 MAT AES SITE: +0.235		

TANANA VALLEY: There were **7.0 days suitable for fieldwork** last week as little rain fell. **Topsoil moisture** was reported at 30% short, 70% adequate. **Subsoil moisture supplies** were 20% short, 80% adequate. **Barley and oats** were reported as 100% pre-boot. Condition of the barley crop was reported as 20% fair, 40% good, 40% excellent. **Oats** were listed as 10% fair, 50% good, 40% excellent. **Potatoes** were reported as 50% planted, 5% emerged. **Crop growth** was reported as 70% moderate, 30% rapid. **Condition of hay** was listed as 20% fair, 30% good, 50% excellent. No **wind and rain damage** to new plantings was reported. **Farm activities** for the week included weed control, planting potatoes, transplanting vegetables, harvesting hay, preparing equipment for the hay harvest.

MATANUSKA VALLEY: There were **5.0 days suitable for fieldwork** last week as rain fell over the weekend **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** was reported as 100% adequate. **Barley and oats** were reported as 100% pre-boot. **Potatoes** were reported as 100% planted, 10% emerged. **Crop growth** was reported as 70% moderate, 30% rapid. **Condition of hay** was listed as 10% fair, 50% good, 40% excellent. **Wind and rain damage** to new plantings was reported as 90% none, 10% light. Major **farm activities** during the week included planting potatoes, transplanting vegetables, weed control, irrigation, preparing for hay harvest.

KENAI PENINSULA: An average of **6.0 days was suitable for fieldwork**. **Topsoil and subsoil moisture** were both 10% short, 90% adequate. **Potatoes** were reported as 90% planted, with 10% emerged. **Crop growth** was reported as 5% slow, 85% moderate, 20% rapid. **Condition of hay** was listed as 15% fair, 55% good, 30% excellent. No **wind and rain damage** to new plantings was reported. Major **farm activities** for the week included planting potatoes, transplanting vegetables, preparing for the hay harvest.

Soil Temperatures (F⁰) 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	56	59	58	56	58	56	69	45	0.71
Sawmill Creek	51	50	43	na	na	na	80	40	0.00
Plant Materials Center	58	56	52	50	53	54	68	44	0.19

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 6, 2005
 To: Sunday June 12, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - June 12, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	81	46	63	+6	0.17	2	1.66	+0.56	14	292	+154	707
Fairbanks/Eiels	81	48	65	+8	0.50	2	1.73	+0.47	15	315	+186	741
Nenana_Muni_AM	81	43	61	+5	0.01	1	1.12	+0.47	11	246	+138	663
Ftgreely/Allen	76	48	62	+7	0.00	0	1.54	-0.03	12	216	+80	615
Healy_River_Air	75	43	58	+4	0.14	2	1.90	+0.40	17	149	+76	532
Gulkana_Arpt_A	71	32	52	+1	0.29	2	1.35	+0.23	12	32	-8	354
Sutton	66	36	52	+1	0.56	7	2.93	+1.61	34	25	-21	365
Palmer_Municipa	68	42	56	+2	0.70	3	1.50	+0.41	11	124	+41	534
Talkeetna	72	47	58	+5	0.41	6	2.03	-0.49	20	133	+70	514
Willow_Airport	70	47	58	+5	0.50	7	2.56	+1.60	32	160	+110	567
Anchorage_Intl	68	47	56	+3	0.25	4	0.49	-0.57	13	94	+26	487
Kenai_Municipal	67	35	51	+2	0.38	5	0.94	-0.38	14	25	-1	334
Homer	65	42	53	+5	0.07	4	0.50	-0.93	18	46	+27	412
Kodiak	67	41	49	+2	3.70	6	11.00	+2.37	30	15	-7	303

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