

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
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GENERAL: There were **4.0 days suitable for fieldwork** last week statewide as most growing areas had several days with small to moderate amounts of precipitation. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were listed as 100% adequate. **Barley** was reported as 100% emerged statewide. Condition of the barley crop was reported as 20% fair, 45% good, 35% excellent. **Oats** were reported as 99% emerged. **Potato** planting was reported as 65% complete statewide, last week the percentage of potatoes planted statewide should have been 50%. **Crop growth** was reported as 10% slow, 70% moderate, 20% rapid. **Condition of hay** was listed as 5% fair, 45% good, 50% excellent. **Wind and rain damage** to new plantings was reported as 95% none, 5% light. **Farm activities** for the week included seeding forage crops, planting potatoes, transplanting vegetables, preparing for first cutting of hay, fertilizing, weed control, and irrigation.

CROP WEATHER SUMMARY May 31 – June 5, 2005		
DAYS SUITABLE FOR FIELDWORK: 4.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	0%
ADEQUATE	90%	100%
SURPLUS	0%	0%
PAN EVAPORATION FOR 05/31-06/06 MAT AES SITE: +0.536		

TANANA VALLEY: There were **2.0 days suitable for fieldwork** last week as rain fell across the Tanana valley. **Topsoil moisture** was reported at 5% short, 95% adequate. **Subsoil moisture supplies** were 100% adequate. **Barley and oats** were reported as 100% emerged. Condition of the barley crop was reported as 20% fair, 45% good, 35% excellent. **Potatoes** were reported as 20% planted. **Crop growth** was reported as 15% slow, 60% moderate, 25% rapid. **Condition of hay** was listed as 5% fair, 35% good, 60% excellent. No **wind and rain damage** to new plantings was reported. **Farm activities** for the week included fertilizing, weed control, seeding forage oats and barley, planting potatoes, transplanting vegetables and preparing for hay harvest.

MATANUSKA VALLEY: There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was reported as 100% adequate. **Barley** was reported as 100% emerged. **Oats** were reported as 99% emerged. **Potatoes** were reported as 90% planted. **Crop growth** was reported as 80% moderate, 20% rapid. **Condition of hay** was listed as 5% fair, 60% good, 35% excellent. A few high moisture fields were cut and wrapped last week. **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 moisture** was 15% short, 85% adequate. **Subsoil moisture** was reported as 10% short, 90% adequate. **Potatoes** were reported as 85% planted, with 5% emerged. **Crop growth** was reported as 75% moderate, 25% rapid. **Condition of hay** was listed as 15% fair, 50% good, 35% excellent. No **wind and rain damage** to new plantings was reported. Major **farm activities** for the week included planting potatoes, transplanting vegetables, fencing and equipment maintenance.

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	54	58	54	53	59	55	69	36	0.58
Sawmill Creek	46	na	42	na	na	na	66	42	0.98
Plant Materials Center	59	56	52	46	55	52	67	35	0.13

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 May 30, 2005
 To: Sunday June 5, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - June 5, 05 GDD					BASE 40F TOT
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F			
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	74	44	56	-1	0.31	4	1.49	+0.69	12	200	+120	545
Fairbanks/Eiels	70	46	56	+0	0.64	5	1.23	+0.33	13	211	+135	567
Nenana_Muni_AM	73	44	55	+1	0.19	6	1.11	+0.67	10	166	+106	513
Ftgreely/Allen	69	43	53	-2	0.72	5	1.54	+0.48	12	132	+41	461
Healy_River_Air	66	41	51	-3	0.74	6	1.76	+0.74	15	93	+55	407
Gulkana_Arpt_A	67	28	48	-3	0.12	2	1.06	+0.27	10	12	-11	269
Sutton	64	32	48	-3	0.36	7	2.37	+1.35	27	6	-20	278
Palmer_Municipa	68	40	52	-1	0.06	2	0.80	-0.01	8	84	+32	424
Talkeetna	71	37	52	+1	0.15	5	1.62	-0.37	14	75	+42	386
Willow_Airport	72	41	56	+4	0.28	7	2.06	+1.31	25	105	+80	442
Anchorage_Intl	67	38	52	+0	0.05	4	0.24	-0.61	9	52	+11	375
Kenai_Municipal	65	32	46	-3	0.09	3	0.56	-0.54	9	12	-3	256
Homer	70	36	50	+3	0.07	4	0.43	-0.79	14	21	+9	317
Kodiak	67	36	48	+2	1.12	3	7.30	+0.00	24	11	-4	236

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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