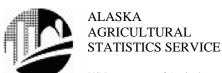
## ALASKA CROP-WEATHER

Alaska Division of Agriculture Alaska Cooperative Extension



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

**RELEASED:** May 31, 2005

**GENERAL:** There were **6.0 days suitable for fieldwork** last week as average temperatures were generally in the fifties, with most growing areas receiving only small amounts of precipitation. **Topsoil moisture** supplies were reported as 20% short, 80% adequate. **Subsoil moisture** supplies were listed as 5% short, 95% adequate. **Barley** was reported as 90% emerged statewide. **Oats** were reported as 85% emerged. **Potato** seeding was reported as 65% complete statewide. **Crop growth** was reported as 50% moderate, 50% rapid. **Condition of hay** was listed as 10% fair, 50% good, 40% 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 and vegetables, preparing for first cutting of ha

CROP WEATHER SUMMARY May 23 - May 30, 2005								
DAYS SUITABLE FOR FIELDWORK: 6.0								
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE						
SHORT	20%	5%						
ADEQUATE	80%	95%						
SURPLUS	0%	0%						
PAN EVAPORATION FOR 05/23-05/30 MAT AES SITE: +0.701								

planting potatoes and vegetables, preparing for first cutting of hay, fertilizing, weed control, fence and equipment repairs.

**TANANA VALLEY:** There were **7.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported at 15% short, 85% adequate. **Subsoil moisture supplies** were 5% short, 95% adequate. **Barley** was reported as 90% emerged. **Oats** were reported as 85% emerged. **Crop growth** was reported as 35% moderate, 65% rapid. **Condition of hay** was listed as 10% fair, 30% good, 55% excellent. **Wind and rain damage** to new plantings was reported as 90% none, 5% light, 5% moderate. **Farm activities** for the week included fertilizing hay fields, seeding forage oats and potatoes, building fence and preparing for hay harvest.

MATANUSKA VALLEY: An average of 5.0 days were suitable for fieldwork. Topsoil moisture was reported as 20% short, 80% adequate. Subsoil moisture was reported as 100% adequate. Barley and oats were reported as 90% emerged. Potatoes were reported as 75% planted. Crop growth was reported as 75% moderate, 25% rapid. Condition of hay was listed as 10% fair, 65% good, 25% excellent. No wind and rain damage to new plantings was reported. Major farm activities during the week included planting potatoes & vegetables, weed control, irrigating, preparing equipment for hay harvest.

**KENAI PENINSULA:** An average of **6.0 days were suitable for fieldwork. Topsoil and Subsoil moisture** were reported as 100% adequate. **Potatoes** were reported as 85% planted, with a few fields beginning to emerge. **Crop growth** was reported as 10% slow, 80% moderate, 10% rapid. **Condition of hay** was listed as 20% fair, 60% good, 20% excellent. **Wind and rain damage** to new plantings was reported as 90% none, 10% light. Major **farm activities** for the week included planting potatoes and servicing equipment.

Soil Temperatures (F<sup>0</sup>) at 4 inch depth

	Grass			<u>F</u>	'allow lan	<u>ıd</u>	<u>Temperature</u>		Precip (inches)
	2005	2004	2003	2005	2004	2003	High	Low	
<b>UAF-AFES, Trunk Road</b>	50	54	52	51	52	53	63	40	0.22
Sawmill Creek	44	47	42	na	na	na	75	32	0.08
Plant Materials Center	52	na	52	45	na	50	63	35	0.00

## 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 23, 2005 To: Sunday May 29, 2005

	LAST WEEK WEATHER SUMMARY				May 1, 05 - May 29, 05 GDD							
	TEMPERATURE PRECIPITATION				PRECIPITATION GDD BASE 50F BA					BASE		
											<b>40</b> F	
STATION	ΗI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	73	41	57	+4	0.01	1	1.18	+0.64	8	158	+120	433
Fairbanks/Eiels	70	43	56	+4	0.02	1	0.59	-0.01	8	167	+129	453
Nenana_Muni_AM	74	38	56	+4	0.08	1	0.92	+0.64	4	127	+100	404
Ftgreely/Allen	68	41	55	+3	0.02	2	0.82	+0.15	7	105	+47	367
Healy_River_Air	63	41	53	+4	0.28	2	1.02	+0.38	9	75	+61	329
Gulkana_Arpt_A	63	32	49	+2	0.35	4	0.94	+0.42	8	11	+1	214
Sutton	63	36	49	+1	0.91	7	2.01	+1.27	20	4	-8	218
Palmer_Municipa	64	43	52	+2	0.16	2	0.74	+0.14	6	67	+38	337
Talkeetna	64	45	54	+6	0.35	3	1.47	-0.04	9	55	+42	297
Willow_Airport	63	44	53	+4	0.89	7	1.78	+1.23	18	64	+55	331
Anchorage_Intl	62	41	50	+0	0.01	1	0.19	-0.45	5	33	+12	288
Kenai_Municipal	63	36	50	+4	0.03	2	0.47	-0.42	6	12	+4	212
Homer	59	39	51	+6	0.16	4	0.36	-0.65	10	12	+7	246
Kodiak	54	38	48	+3	0.36	5	6.18	+0.27	21	5	-3	176

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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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.

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