

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: 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 hay, fertilizing, weed control, fence and equipment repairs.

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		

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 (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	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

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - May 29, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	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.

Copyright 2005: Agricultural Weather Information Service, Inc.
 All rights reserved.

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.

Alaska Agricultural Statistics Service
 PO Box 799
 Palmer, AK 99645