

ALASKA CROP-WEATHER



Alaska Division of Agriculture
Alaska Cooperative Extension

U.S. Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
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RELEASED: May 17, 2004

GENERAL: There were **5.0 days suitable for fieldwork** last week. Planting was underway in many areas of the state. **Topsoil moisture** supplies were reported as 10% short, 80% adequate, 10% surplus. **Subsoil moisture** supplies were listed as 100% adequate. **Fieldwork progress** was reported as zero to 4 days behind normal. **Prospects for new growth on hay fields** was rated as 5% fair, 70% good, 25% excellent. **Condition of livestock** was listed as 10% fair, 75% good, 15% excellent. Farm activities for the week included planting small grains, potatoes and vegetables, as well as fertilizing hay fields.

CROP WEATHER SUMMARY May 10 - May 16, 2004		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	0%
ADEQUATE	80%	100%
SURPLUS	10%	0%
PAN EVAPORATION FOR 05/10-05/16 MAT AES SITE: +0.556		

TANANA VALLEY: An average of **4.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 85% adequate, 15% surplus. **Subsoil moisture supplies** were 100% adequate. **Planting of barley** was 20% complete, while **oats planted** was reported as 40% complete. **Prospects for new growth on hay fields** was rated as 70% good, 30% excellent. **Livestock conditions** were listed as 10% fair, 70% good, 20% excellent. **Farm activities** for the week included seeding barley and oats and fertilizing hay ground.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 25% short, 75% adequate. **Subsoil moisture supplies** were reported as 100% adequate. **Prospects for new growth on hay fields** was rated as 5% fair, 80% good, 15% excellent. **Planting of small grains** continues. **Livestock conditions** were listed at 5% fair, 80% good, 15% excellent. Major **farm activities** during the week included preparing fields, fertilizing hay fields and planting vegetable, potatoes and small grains.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture supplies** were reported as 95% adequate, 5% surplus. **Prospects for new growth on hay fields** was rated as 25% fair, 50% good, 25% excellent. **Livestock conditions** were listed at 25% fair, 50% good, 25% excellent. Major **farm activities** for the week included fertilizing, weed control, and preparing fields for planting.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2004	2003	2002	2004	2003	2002	High	Low	
UAF-AFES, Trunk Road	48	44	50	49	43	52	65	32	0.14
Sawmill Creek	43	34	na	na	na	na	78	28	0.19
Plant Materials Center	48	42	53	48	45	54	na	na	na

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 10, 2004
 To: Sunday May 16, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - May 16, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	72	35	50	+2	0.12	3	1.05	+0.82	6	22	+17	134
Fairbanks/Eiels	75	36	51	+4	0.17	2	1.93	+1.69	5	29	+24	157
Nenana Muni AM	76	34	50	+3	0.07	3	1.29	+1.18	7	19	+18	126
Ftgreely/Allen	71	33	49	+3	0.14	2	1.13	+0.90	5	14	-7	124
Healy River Air	68	34	49	+4	0.19	3	0.97	+0.73	8	25	+28	128
Gulkana Arpt A	70	29	47	+5	0.05	2	0.09	-0.12	4	12	+12	138
Sutton	64	30	46	+2	0.11	2	0.32	-0.03	6	2	+2	116
Palmer Municipa	65	36	49	+2	0.10	2	0.15	-0.15	6	26	+18	171
Talkeetna	67	37	50	+5	0.44	2	0.52	-0.26	3	26	+28	167
Willow Airport	63	38	49	+3	0.16	2	0.31	+0.01	6	19	+19	159
Anchorage Intl	59	35	47	+0	0.14	2	0.22	-0.10	3	10	+6	131
Kenai Municipal	60	33	44	+1	0.00	0	0.13	-0.35	2	9	+9	113
Homer	58	35	45	+2	0.02	1	0.10	-0.51	3	2	+2	95
Kodiak	55	37	45	+3	0.58	2	1.60	-1.66	5	16	+16	115

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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