

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

Alaska Division of Agriculture
Alaska Cooperative Extension
Ag & Forestry Experiment Station

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GENERAL: There were **5.0 days suitable for fieldwork** last week. The Tanana Valley experienced low temperatures down into the teens causing concern about damage to small grains and hay, while South Central received some much needed rain last week. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were also reported as 10% short, 90% adequate. **Barley** was reported as 99% planted, 90% emerged. **Oats** were reported as 95% planted, 70% emerged. **Potato** planting was listed as 90% complete statewide, with potatoes just beginning to emerge in the Mat-Su and in Kenai. Condition of the **hay** crop was reported as 10% poor, 30% fair, 30% good and 30% excellent. **Crop growth** was rated as 40% slow, 55% moderate, 5% rapid. **Wind and rain damage to crops** was listed as 95% none, 5% light. The main **farm activities** for the week were planting small grains and potatoes, spraying weeds, fertilizing hay grounds, setting up irrigation systems and preparing for the first cutting of hay.

CROP WEATHER SUMMARY May 29 – June 4, 2006		
DAYS SUITABLE FOR FIELDWORK: 5		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	10%
ADEQUATE	90%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 05/29- 06/04 MAT AES SITE: +0.390		

TANANA VALLEY: An average of **5.5 days were suitable for fieldwork** last week. Temperatures were below normal last week with hard frosts reported in Delta Junction and Fairbanks. **Topsoil and subsoil moisture** were both reported at 100% adequate. **Planting of barley** was reported as 90% emerged. Planting of **oats** was 99% complete, 85% emerged. **Potato** planting was 80% complete. Condition of the **hay** crop was reported as 15% poor, 30% fair, 15% good and 40% excellent. **Crop growth** was rated as 50% slow, 50% moderate. **Wind and rain damage to crops** was listed as 95% none, 5% light. **Farm activities** for the week included spraying weeds, planting small grains, potatoes and vegetables, and fertilizing hay ground.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork** as some much needed rains fell last week. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moisture** was reported as 25% short, 75% adequate. **Planting of small grains** was winding down. **Potatoes** were reported as 90% planted, with some fields just beginning to emerge. Condition of the **hay** crop was reported as 5% poor, 35% fair, 40% good and 20% excellent. **Crop growth** was rated as 35% slow, 65% moderate. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included planting potatoes, vegetables and small grains, fertilizing fields, irrigating, fence repair, machinery preparation and working fallow ground.

KENAI PENINSULA: An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 5% short, 95% adequate. **Potatoes** were reported as 75% planted, with some fields just beginning to emerge. Condition of the **hay** crop was reported as 5% poor, 20% fair, 50% good and 25% excellent. **Crop growth** was rated as 10% slow, 50% moderate, 40% rapid. **Wind or rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** for the week included applying planting crops, and tilling fields.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2006	2005	2004	2006	2005	2004	High	Low	
UAF-AFES, Trunk Road	50	50	54	50	51	52	77	38	0.51
Sawmill Creek	39	44	47	na	na	na	72	28	0.55
Plant Materials Center	46	52	na	na	45	na	70	38	0.51

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.com from NWS preliminary data

For the Period: Monday May 29, 2006
 To: Sunday June 4, 2006

STATION	LAST WEEK WEATHER SUMMARY						May 1, 06 - June 4, 06					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	74	31	51	-6	0.01	1	0.19	-0.57	7	71	-2	324
Fairbanks/Eiels	73	36	53	-3	0.14	3	0.49	-0.36	10	104	+34	400
Nenana_Muni_AM	75	25	50	-6	0.03	1	0.30	-0.11	6	52	-2	285
Ftgreely/Allen	72	31	51	-4	0.50	4	1.57	+0.57	16	56	-30	287
Healy_River_Air	75	37	53	+1	0.16	3	0.51	-0.45	10	76	+42	318
Gulkana_Arpt_A	70	31	51	+2	0.06	2	0.22	-0.53	8	43	+22	213
Sutton	72	32	51	+2	0.19	2	1.04	+0.06	16	57	+33	262
Palmer_Municipa	76	40	54	+3	0.02	1	0.05	-0.73	2	95	+47	339
Talkeetna	78	34	52	+2	0.90	3	1.32	-0.60	10	93	+64	311
Willow_Airport	75	43	56	+5	0.26	2	0.97	+0.25	14	126	+104	358
Anchorage_Intl	73	43	54	+3	0.24	2	0.42	-0.40	5	95	+57	316
Kenai_Municipal	75	34	53	+5	0.16	2	0.57	-0.50	8	69	+55	255
Homer	67	38	51	+4	0.01	1	0.51	-0.68	15	34	+23	211
Kodiak	68	38	52	+6	0.00	0	4.07	-3.04	14	72	+58	230

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