

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

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P.O. Box 799
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GENERAL: There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 5% short, 90% adequate, 5% surplus. **Subsoil moisture** supplies were also reported as 5% short, 95% adequate. **Barley** was reported as 80% headed. **Oats** were reported as 25% headed. **Condition of the barley crop** was reported as 35% poor, 45% fair, 15% good, 5% excellent. **Condition of the oat crop** was reported as 25% poor, 35% fair, 30% good, 10% excellent. **Potatoes** were listed as 10% in bloom statewide. **Condition of the potato crop** was reported as 5% poor, 25% fair, 60% good, 10% excellent. First cutting **hay harvest** was 60% complete. Condition of the **hay** crop was reported as 5% poor, 20% fair, 55% good, 20% excellent. Condition of **range and pasture** was rated as 15% fair, 55% good, 30% excellent. **Crop growth** was rated as 50% moderate, 50% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. The main **farm activities** for the week were harvesting hay, fertilizing for second cutting hay, weed control, and irrigating fields.

CROP WEATHER SUMMARY July 10 – July 16, 2006		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	5%	5%
ADEQUATE	90%	95%
SURPLUS	5%	0%
PAN EVAPORATION FOR 07/10- 07/16 MAT AES SITE: +1.276		

TANANA VALLEY: An average of **5.0 days were suitable for fieldwork** last week. **Topsoil moisture** was reported as 5% short, 90% adequate, 5% surplus. **Subsoil moisture** was reported as 5% short, 95% adequate. **Barley** was reported as 80% headed. **Oats** were reported as 15% headed. **Condition of the barley crop** was reported as 40% poor, 45% fair, 10% good, 5% excellent. **Condition of the oat crop** was reported as 35% poor, 45% fair, 10% good, 10% excellent. **Potatoes** were listed as 5% in bloom. First cutting **hay harvest** was 70% complete. Condition of the **hay** crop was reported as 10% poor, 25% fair, 40% good, 25% excellent. **Crop growth** was rated as 30% moderate, 70% rapid. **Wind and rain damage to crops** was listed as 95% none, 5% light. **Farm activities** for the week included harvesting hay, weed control, planting grass seed and fertilizing for second cutting of hay.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** supplies were both reported as 100% adequate. **Small grains** were headed out. **Potatoes** were reported as 10% in bloom. First cutting of **hay** was 50% complete. Condition of the **hay** crop was reported as 15% fair, 85% good. **Crop growth** was rated as 80% moderate, 20% rapid. **Wind or rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** during the week included harvesting hay and vegetables, weed control, and irrigating.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 5% short, 95% adequate. **Subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 95% emerged. First cutting of **hay** was 65% complete. Condition of the **hay** crop was reported as 10% fair, 50% good, 40% excellent. **Crop growth** was rated as 80% moderate, 20% rapid. **Wind or rain damage to crops** was reported as 100% none. Major **farm activities** for the week included harvesting hay and weed control.

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	60	64	62	56	66	66	76	48	0.52
Sawmill Creek	52	na	na	Na na	na	na	80	42	0.00
Plant Materials Center	na	65	65	na	66	64	75	49	0.27

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 July 10, 2006
 To: Sunday July 16, 2006

STATION	LAST WEEK WEATHER SUMMARY						May 1, 06 - July 16, 06					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	81	51	63	+0	0.57	4	2.94	+0.11	24	507	-40	1163
Fairbanks/Eiels	82	52	64	+2	0.44	4	2.38	-1.14	34	601	+88	1301
Nenana_Muni_AM	80	50	62	+0	0.40	5	2.62	+0.24	24	455	-10	1090
Ftgreely/Allen	78	48	61	-2	0.17	3	7.19	+2.60	39	414	-53	1038
Healy_River_Air	75	48	60	+0	1.11	6	3.86	-0.61	39	410	+47	1057
Gulkana_Arpt_A	79	38	60	+3	0.14	1	1.05	-2.00	21	319	+94	882
Sutton	72	45	57	+0	0.67	5	3.52	+0.12	44	212	-17	810
Palmer_Municipa	75	50	60	+3	0.02	2	0.44	-2.54	9	371	+48	1033
Talkeetna	76	47	60	+2	1.99	4	5.58	+0.01	29	364	+41	995
Willow_Airport	77	50	63	+5	0.83	5	3.34	+0.86	35	468	+176	1120
Anchorage_Intl	73	51	60	+3	0.72	2	2.46	-0.03	15	353	+50	993
Kenai_Municipal	73	41	57	+3	0.01	1	2.95	+0.11	26	259	+108	858
Homer	64	42	54	+0	0.04	2	2.17	-0.54	35	118	-2	703
Kodiak	72	47	54	+0	1.69	2	14.02	+0.06	37	149	+33	684

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