

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

USDA, NASS, Alaska Field Office
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 10% short, 85% adequate, 5% surplus. **Subsoil moisture** supplies were reported as 5% short, 95% adequate. **Barley** was reported as 20% in dough. **Oats** were reported as 10% in dough. **Condition of the barley crop** was reported as 10% fair, 40% good, 50% excellent. **Condition of the oat crop** was reported as 10% fair, 60% good, 30% excellent. **Potatoes** were listed as 99% emerged statewide, 20% in bloom. **Condition of the potato crop** was listed as 10% fair, 60% good, 30% excellent. First cutting **hay harvest** was 75% complete. Condition of the **hay** crop was reported as 5% poor, 10% fair, 60% good, 25% excellent. **Crop growth** was rated as 10% slow, 60% moderate, 30% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% moderate. The main **farm activities** for the week were harvesting hay, weed control, equipment maintenance.

CROP WEATHER SUMMARY July 9 – July 15, 2007		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	5%
ADEQUATE	85%	95%
SURPLUS	5%	0%
PAN EVAPORATION FOR 07/09- 07/15 MAT AES SITE: + 0.662		

TANANA VALLEY: An average of **4.0 days were suitable for fieldwork** last week. **Topsoil moisture** was reported as 5% short, 90% adequate, 5% surplus. **Subsoil moisture** was reported as 95% adequate, 5% surplus. **Barley** was reported as 20% in dough. **Oats** were reported as 10% in dough. **Condition of the barley crop** was reported as 10% fair, 40% good, 50% excellent. **Condition of the oat crop** was reported as 10% fair, 50% good, 40% excellent. **Potatoes** were listed as 100% emerged, 50% in bloom. First cutting **hay harvest** was 80% complete. Condition of the **hay** crop was reported as 5% poor, 10% fair, 60% good, 25% excellent. **Crop growth** was rated as 20% slow, 40% moderate, 40% rapid. **Wind and rain damage to crops** was reported as 90% none, 10% moderate. **Farm activities** for the week included harvesting hay, spraying weeds, CRP maintenance, equipment repair.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported 20% short, 80% adequate. **Subsoil moisture** was reported as 10% short, 90% adequate. **Potatoes** were reported as 99% emerged, 5% in bloom. First cutting of **hay** was 70% complete. Condition of the **hay** crop was reported as 10% fair, 65% good, 25% excellent **Crop growth** was rated as 85% moderate, 15% rapid. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included weed control, irrigation, machinery repair, harvesting hay.

KENAI PENINSULA: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture and subsoil moisture** supplies were both reported as 100% adequate. **Potatoes** were reported 99% emerged. First cutting of **hay** was 15% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 50% good, 25% excellent. **Crop growth** was rated as 10% slow, 80% moderate, 10% rapid. No **wind or rain damage to crops** was reported. Major **farm activities** for the week included cutting hay or preparing for hay harvest.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2007	2006	2005	2007	2006	2005	High	Low	
UAF-AFES, Trunk Road	59	60	64	58	56	66	66	44	0.08
Sawmill Creek	54	52	na	na	na	na	77	40	0.51
Plant Materials Center	55	na	65	na	na	66	67	42	0.15

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 9, 2007
 To: Sunday July 15, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - July 15, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	78	51	63	-1	0.67	5	4.19	+1.42	23	662	+42	-5
Fairbanks/Eiels	77	46	61	-2	0.62	6	4.40	+0.95	30	576	+30	-20
Nenana_Muni_AM	77	46	61	-1	0.68	4	3.34	+1.02	21	563	+0	22
Ftgreely/Allen	76	49	61	-2	0.51	6	5.08	+0.58	32	519	+0	8
Healy_River_Air	72	45	61	+2	0.80	5	3.79	-0.59	45	560	+0	18
Gulkana_Arpt_A	72	39	55	-4	0.11	3	1.97	-1.02	28	286	+0	0
Sutton	63	39	53	-5	0.52	5	4.62	+1.29	46	139	+0	0
Palmer_Municipa	67	45	56	-2	0.00	0	0.56	-2.35	8	294	+0	0
Talkeetna	69	40	54	-6	0.17	3	2.80	-2.67	30	318	+3	7
Willow_Airport	66	48	57	-3	0.53	5	4.50	+2.08	45	425	+0	17
Anchorage_Intl	64	50	57	-2	0.35	4	2.21	-0.23	20	247	+1	1
Kenai_Municipal	68	46	57	+3	0.26	5	2.28	-0.50	27	220	+0	0
Homer	62	45	54	-1	0.47	4	1.29	-1.37	25	77	+0	0
Kodiak	62	37	52	-3	2.65	4	18.34	+4.51	46	95	+0	0

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