

ALASKA CROP-WEATHER

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



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

USDA, NASS, Alaska Field Office
P.O. Box 799
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GENERAL: There were **5.0 days suitable for fieldwork**. **Topsoil moisture** supplies were reported as 6% short, 94% adequate. **Subsoil moisture** supplies were listed as 12% short, 88% adequate. **Barley** was 42% headed. **Oats** were reported as 25% headed. Condition of the barley crop was 30% fair, 47% good, 23% excellent. Condition of the oat crop was 23% fair, 61% good, 16% excellent. **Potatoes** were reported as 99% emerged. **Hay** harvest was 47% complete. Hay condition was rated as 11% poor, 19% fair, 67% good, 3% excellent. **Crop growth** was rated 68% moderate, 32% rapid. **Wind or rain damage** to crops was reported as 99% none, 1% light. The main **farm activities** for the week were harvesting hay, irrigation, weed control, fertilizing, general maintenance.

CROP WEATHER SUMMARY July 7 - July 13, 2008		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	15%
ADEQUATE	90%	85%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/07 - 07/13 MAT AES SITE: N/A		

TANANA VALLEY: An average of **4.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 3% short, 97% adequate. **Subsoil moisture supplies** were also 13% short, 87% adequate. **Barley** was reported as 44% headed. **Oats** were reported as 32% headed. Condition of the barley crop was 32% fair, 44% good, 24% excellent. Condition of the oat crop was 30% fair, 49% good, 21% excellent. **Potatoes** were 97% emerged. **Hay** harvest was 60% complete. Condition of hay was rated as 12% poor, 24% fair, 61% good, 3% excellent. **Crop growth** was rated 74% moderate, 26% rapid. **Wind or rain damage** was reported as 100% none. **Farm activities** for the week included spraying weeds, harvesting hay, harvesting some vegetables, fertilizing.

MATANUSKA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 13% short, 87% adequate. **Subsoil moisture** was reported as 12% short, 87% adequate. **Potatoes** were 100% emerged. **Hay** harvest was 33% complete. Condition of hay was rated as 10% poor, 10% fair, 80% good. **Crop growth** was rated 62% moderate, 38% rapid. **Wind or rain damage** was reported as 96% none, 4% light. Major **farm activities** during the week included weed control, irrigating, harvesting hay, farm maintenance.

KENAI PENINSULA: There were **5.0 days suitable for fieldwork last week**. **Topsoil moisture** was reported at 100% adequate. **Subsoil moisture** was also reported as 100% adequate. **Potatoes** were 100% emerged. **Hay** harvest was 7% complete. Condition of hay was rated as 10% poor, 20% fair, 60% good, 10% excellent. **Crop growth** was rated 50% moderate, 50% rapid. **Wind or rain damage** was reported as 99% none, 1% light. Major **farm activities** for the week included preparing for hay harvest, fertilizing vegetables.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2008	2007	2006	2008	2007	2006	High	Low	
UAF-AFES, Trunk Road	na	59	60	na	58	56	na	na	na
Sawmill Creek	na	na	52	na	na	na	76	45	1.38
Plant Materials Center	na	55	na	53	na	na	64	45	0.25

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 7, 2008
To: Sunday July 13, 2008

STATION	LAST WEEK WEATHER SUMMARY						May 1, 08 - July 13, 08 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	81	53	65	+3	0.95	5	4.09	+1.39	33	536	+15	1209
Fairbanks/Eiels	79	49	62	-2	1.20	5	5.17	+1.80	35	376	-113	999
Nenana_Muni_AM	80	48	63	+2	1.43	4	4.97	+2.71	26	386	-56	1014
Ftgreely/Allen	73	49	60	-2	0.56	5	3.51	-0.89	28	338	-106	969
Healy_River_Air	73	46	58	-3	0.59	5	2.46	-1.82	34	266	-77	837
Gulkana_Arpt_A	71	44	54	-4	1.95	6	3.63	+0.71	23	164	-47	696
Sutton	64	46	54	-4	0.25	5	2.97	-0.27	44	91	-124	617
Palmer_Municipa	66	46	55	-4	0.19	3	0.59	-2.24	9	199	-108	837
Talkeetna	70	46	56	-4	0.04	1	2.30	-3.03	20	208	-97	787
Willow_Airport	66	50	57	-3	0.16	4	2.78	+0.43	40	269	-5	901
Anchorage_Intl	69	50	56	-3	0.00	0	1.26	-1.11	16	147	-138	724
Kenai_Municipal	72	50	56	+2	0.35	3	1.70	-0.99	22	115	-26	631
Homer	62	43	52	-2	0.05	2	1.78	-0.79	22	45	-67	492
Kodiak	60	38	50	-5	0.89	1	29.78	+16.28	42	27	-81	434

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