

# 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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**RELEASED:** August 27, 2007

**GENERAL:** There were **6.0 days suitable for fieldwork** last week. **Topsoil and subsoil moisture** were both reported as 100% adequate. **Barley** was reported as 50% harvested. **Oats** were reported as 20% harvested. **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. **Potato** harvest should begin this week. **Condition of the potato crop** was listed as 15% fair, 40% good, 45% excellent. Second cutting **hay** was 25% complete. Condition of the **hay** crop was reported as 5% poor, 15% fair, 45% good, 35% excellent. **Range and pasture condition** was 20% poor, 25% fair, 50% good, 5% excellent. **Crop growth** was rated as 40% slow, 55% moderate, 5% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. The main **farm activities** for the week were harvesting hay, vegetables, and small grains, weed control, equipment maintenance.

CROP WEATHER SUMMARY August 20 – August 26, 2007		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	0%
ADEQUATE	95%	100%
SURPLUS	5%	0%
PAN EVAPORATION FOR 08/20- 08/26 MAT AES SITE: +0.366		

**TANANA VALLEY:** An average of **5.0 days were suitable for fieldwork** last week. **Topsoil and subsoil moisture** were both reported as 100% adequate. **Barley** was reported as 50% harvested. **Oats** were reported as 20% harvested. **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. Second cutting **hay harvest** was 25%. Condition of the **hay** crop was reported as 10% poor, 20% fair, 25% good, 45% excellent. **Crop growth** was rated as 50% slow, 40% moderate, 10% rapid. **Wind and rain damage to crops** was reported as 100% none. **Farm activities** for the week included harvesting hay and small grains, baling straw, working stubble.

**MATANUSKA VALLEY:** An average of **7.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 100% adequate. Second cutting of **hay** was 25% complete. Condition of the **hay** crop was reported as 10% fair, 75% good, 15% excellent. **Crop growth** was rated as 10% slow, 90% moderate. **Wind and rain damage to crops** was reported as 95% none, 5% moderate. Major **farm activities** during the week included weed control, fence repair, harvesting hay, grass seed and vegetables.

**KENAI PENINSULA:** An average of **4.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 100% adequate. Second cutting of **hay** was 50% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 50% good, 25% excellent. **Crop growth** was rated as 85% slow, 15% moderate. **Wind and rain damage to crops** was reported as 100% none. Major **farm activities** for the week included harvesting hay, equipment maintenance.

## Soil Temperatures ( F<sup>0</sup> ) 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	52	60	57	50	53	68	42	0.05
Sawmill Creek	na	50	na	na	na	na	na	na	na
Plant Materials Center	55	51	58	na	na	55	69	39	0.03

## 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 August 20, 2007  
 To: Sunday August 26, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - August 26, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	77	43	60	+7	0.03	3	7.53	+2.31	42	1175	+269	2262
Fairbanks/Eiels	73	40	57	+3	0.21	3	8.50	+1.87	51	1014	+153	2084
Nenana_Muni_AM	73	41	58	+5	0.15	3	6.02	+0.89	37	1013	+237	2096
Ftgreely/Allen	74	41	57	+4	0.51	4	7.23	-0.54	49	976	+179	2039
Healy_River_Air	68	36	57	+4	0.15	4	6.46	-1.29	73	972	+331	2046
Gulkana_Arpt_A	68	31	52	+0	0.01	1	3.12	-2.38	38	620	+168	1602
Sutton	64	43	53	-1	0.48	7	7.23	+0.52	75	396	-72	1405
Palmer_Municipa	68	45	56	+2	0.00	0	1.35	-4.57	17	686	+76	1789
Talkeetna	68	43	57	+3	0.62	4	8.11	-2.91	50	722	+105	1802
Willow_Airport	66	47	57	+2	0.51	6	7.53	+1.94	72	851	+235	1968
Anchorage_Intl	67	49	56	+2	0.38	5	4.48	-1.41	39	625	+13	1689
Kenai_Municipal	67	46	57	+4	1.02	6	5.26	-0.65	52	520	+170	1537
Homer	64	42	53	-1	0.57	4	3.10	-2.19	47	256	-49	1178
Kodiak	65	42	53	-2	0.75	5	27.36	+8.01	69	319	-11	1159

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