

# ALASKA CROP-WEATHER



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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

USDA, NASS, Alaska Field Office  
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**RELEASED:** July 9, 2007

**GENERAL:** There were **4.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 5% short, 95% adequate. **Subsoil moisture** supplies were reported as 5% short, 90% adequate, 5% surplus. **Barley** was reported as 50% headed. **Oats** were reported as 60% in-boot. **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. **Condition of the potato crop** was listed as 10% fair, 70% good, 20% excellent. First cutting **hay harvest** was 60% complete. Condition of the **hay** crop was reported as 5% poor, 10% fair, 65% good, 20% excellent. **Crop growth** was rated as 75% moderate, 25% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. The main **farm activities** for the week were harvesting hay, weed control, working fallow ground, equipment maintenance.

CROP WEATHER SUMMARY July 2 – July 8, 2007		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	5%	5%
ADEQUATE	95%	90%
SURPLUS	0%	5%
PAN EVAPORATION FOR 07/02- 07/08 MAT AES SITE: -0.294		

**TANANA VALLEY:** An average of **3.0 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 50% headed. **Oats** were reported as 65% in-boot. **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. First cutting **hay harvest** was 80% complete. Condition of the **hay** crop was reported as 5% poor, 10% fair, 75% good, 10% excellent. **Crop growth** was rated as 65% moderate, 35% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. **Farm activities** for the week included harvesting high moisture hay, working fallow ground and equipment repair.

**MATANUSKA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported 100% adequate. **Subsoil moisture** was reported as 10% short, 90% adequate. **Small grains** were reported as just beginning to head out. **Potatoes** were reported as 99% emerged. First cutting of **hay** was 35% complete. Condition of the **hay** crop was reported as 10% fair, 65% good, 25% excellent. **Crop growth** was rated as 100% moderate. No **wind or rain damage to crops** was reported. Major **farm activities** during the week included weed control, irrigating, machinery repair, harvesting hay.

**KENAI PENINSULA:** An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** supplies were reported as 5% short, 95% adequate. **Subsoil moisture** supplies were reported as 100% adequate. **Potatoes** were reported 80% 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 50% moderate, 50% rapid. No **wind or rain damage to crops** was reported. Major **farm activities** for the week included harvesting hay or preparing for hay harvest.

## 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	60	61	63	60	63	64	66	47	0.70
Sawmill Creek	51	54	54	na	na	na	76	43	1.32
Plant Materials Center	56	54	62	na	na	58	66	45	0.45

## 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 2, 2007  
 To: Sunday July 8, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - July 8, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	82	53	66	+4	0.78	3	3.52	+1.12	18	570	+127	1167
Fairbanks/Eiels	81	48	64	+2	0.50	4	3.78	+0.82	24	498	+85	1078
Nenana_Muni_AM	83	48	66	+5	0.85	3	2.66	+0.76	17	486	+116	1079
Ftgreely/Allen	75	48	60	-1	1.12	4	4.57	+0.70	26	444	+65	1017
Healy_River_Air	77	51	63	+4	0.68	7	2.99	-0.76	40	484	+201	1068
Gulkana_Arpt_A	69	46	57	+0	0.51	6	1.86	-0.75	25	252	+83	751
Sutton	64	45	52	-5	0.70	7	4.10	+1.26	41	117	-56	636
Palmer_Municipa	68	48	55	-3	0.11	3	0.56	-1.89	8	248	-11	861
Talkeetna	66	42	55	-5	0.96	7	2.63	-2.14	27	289	+38	879
Willow_Airport	64	50	56	-3	0.47	6	3.97	+1.92	40	377	+156	1004
Anchorage_Intl	66	48	56	-3	0.25	5	1.86	-0.23	16	199	-37	773
Kenai_Municipal	70	43	55	+1	0.28	5	2.02	-0.40	22	167	+56	694
Homer	63	40	52	-2	0.06	3	0.82	-1.53	21	49	-39	481
Kodiak	60	38	52	-2	0.32	4	15.69	+2.82	42	77	-7	430

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