

# 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: September 17, 2007

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 90% adequate, 10% surplus. **Subsoil moisture** was reported as 5% short, 95% adequate. **Barley** was reported as 85% harvested. **Oats** were reported as 75% harvested. **Potato** harvest was reported as 25% complete. Second cutting **hay** was 75% complete. **Winter supplies of hay** were listed as 15% short, 85% adequate statewide. **Wind and rain damage to crops** was reported as 80% none, 10% light, 10% moderate. The main **farm activities** for the week were harvesting hay, potatoes, vegetables, and small grains, baling straw, equipment maintenance.

CROP WEATHER SUMMARY September 10 – September 16, 2007		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	5%
ADEQUATE	90%	95%
SURPLUS	10%	0%
PAN EVAPORATION FOR 09/10- 09/17 MAT AES SITE: +0.380		

**TANANA VALLEY:** An average of **6.0 days were suitable for fieldwork** last week as two inches of rain fell in the Delta Junction area over the weekend. **Topsoil moisture** was reported as 85% adequate, 15% surplus. **Subsoil moisture** was reported as 100% adequate. **Barley** was reported as 90% harvested. **Oats** were reported as 80% harvested. Second cutting **hay harvest** was 85% complete. **Wind and rain damage to crops** was reported as 75% none, 25% moderate. **Farm activities** for the week included harvesting hay, potatoes, vegetables and small grains, baling straw, equipment maintenance.

**MATANUSKA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 5% short, 95% adequate. Second cutting of **hay** was 60% complete. **Wind and rain damage to crops** was reported as 80% none, 15% light, 5% moderate. Major **farm activities** during the week included harvesting hay, grass seed, potatoes and vegetables.

**KENAI PENINSULA:** An average of **2.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 90% adequate, 10% surplus. Second cutting of **hay** was 85% complete. **Wind and rain damage to crops** was reported as 85% none, 15% light. Major **farm activities** for the week included harvesting hay, potatoes and vegetables, cleaning up for winter.

## 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	53	52	55	48	46	53	63	38	0.86
Sawmill Creek	44	44	46	na	na	na	68	32	2.38
Plant Materials Center	na	47	55	na	na	50	na	na	na

### 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 September 10, 2007  
 To: Sunday September 16, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - September 16, 07 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	70	38	52	+6	0.53	4	8.13	+1.99	49	1267	+325	2560
Fairbanks/Eiels	71	35	50	+4	0.85	5	9.51	+1.78	58	1070	+173	2335
Nenana_Muni_AM	72	39	52	+8	0.61	5	6.75	+0.81	44	1105	+301	2389
Ftgreely/Allen	71	39	53	+8	0.84	5	8.16	-0.49	60	1065	+215	2325
Healy_River_Air	66	39	52	+6	0.58	5	7.54	-1.45	87	1052	+382	2321
Gulkana_Arpt_A	67	29	50	+6	0.94	3	4.31	-2.24	48	648	+163	1813
Sutton	60	36	49	+2	1.18	7	9.38	+0.46	90	416	-93	1614
Palmer_Municipa	62	42	52	+3	0.15	3	1.81	-5.93	24	780	+112	2089
Talkeetna	63	34	50	+3	1.14	4	12.26	-1.99	59	800	+139	2082
Willow_Airport	59	39	51	+2	0.96	7	9.53	+2.03	85	940	+283	2265
Anchorage_Intl	61	40	52	+4	1.42	4	6.82	-1.17	45	730	+55	2003
Kenai_Municipal	62	32	49	+2	0.79	5	7.37	-0.80	61	579	+186	1797
Homer	60	37	51	+3	0.66	5	5.10	-2.44	59	299	-53	1426
Kodiak	60	39	51	+1	1.43	3	33.73	+9.57	81	373	-11	1417

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