

# 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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RELEASED: October 1, 2007

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 100% adequate. **Barley** was reported as 95% harvested. **Oats** were also reported as 95% harvested. **Potato** harvest was reported as 85% complete. Second cutting **hay** was 90% complete. **Winter supplies of hay** were listed as 20% short, 80% adequate statewide. **Wind and rain damage to crops** was reported as 90% none, 5% light, 5% moderate. The main **farm activities** for the week were harvesting hay, potatoes, vegetables and small grains, equipment maintenance.

CROP WEATHER SUMMARY September 24 – September 30, 2007		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	0%
ADEQUATE	95%	100%
SURPLUS	5%	0%
PAN EVAPORATION FOR 09/24- 09/30 MAT AES SITE: +2.276		

**TANANA VALLEY:** An average of **5.5 days were suitable for fieldwork** last week. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 100% adequate. **Barley** was reported as 98% harvested. **Oats** were also reported as 98% harvested. Second cutting **hay harvest** was 95% complete. No **wind and rain damage to crops** was reported. **Farm activities** for the week included harvesting hay, potatoes, vegetables and small grains; baling straw.

**MATANUSKA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 90% adequate, 10% surplus. **Subsoil moisture** was reported as 100% adequate. Second cutting of **hay** was 75% complete. **Wind and rain damage to crops** was reported as 70% none, 20% light, 10% moderate. Major **farm activities** during the week included harvesting hay, small grains, grass seed, potatoes and vegetables.

**KENAI PENINSULA:** An average of **5.0 days were suitable for fieldwork**. No killing frost has occurred to date. **Topsoil and subsoil moisture** were both reported as 100% adequate. Second cutting of **hay** was 85% complete. **Wind and rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** for the week included harvesting hay, potatoes and vegetables.

\* This is our final report for the year. Thanks to all those who contributed information for this report. \*

## Soil Temperatures ( F<sup>0</sup> ) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2007	2006	2005	2007	2006	2005	High	Low	
UAF-AFES, Trunk Road	48	47	52	47	42	46	56	33	1.23
Sawmill Creek	na	41	42	na	na	na	na	na	na
Plant Materials Center	na	44	46	na	na	52	51	35	0.55*

\* data is incomplete for the week

### 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 24, 2007  
 To: Sunday September 30, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - September 30, 07 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	53	27	40	+3	0.23	2	9.11	+2.52	57	1267	+328	2594
Fairbanks/Eiels	53	24	40	+2	0.10	2	10.89	+2.64	64	1070	+175	2364
Nenana Muni AM	52	24	39	+3	0.05	1	7.69	+1.45	49	1105	+304	2420
Ftgreely/Allen	47	26	37	-1	0.02	1	9.55	+0.49	65	1065	+206	2334
Healy River Air	52	25	38	+1	0.12	3	8.26	-1.40	95	1052	+383	2346
Gulkana Arpt A	51	22	37	-2	0.36	3	5.24	-1.95	54	648	+163	1827
Sutton	55	30	43	+2	0.92	6	11.44	+1.15	101	416	-96	1667
Palmer Municipa	57	35	46	+3	0.08	2	2.13	-6.78	28	780	+103	2186
Talkeetna	55	29	45	+4	0.83	4	14.59	-1.58	66	800	+138	2157
Willow Airport	55	30	45	+2	0.99	6	11.78	+3.04	97	940	+283	2344
Anchorage Intl	56	36	47	+4	1.15	4	10.22	+0.96	52	732	+48	2109
Kenai Municipal	56	29	47	+5	0.38	5	8.78	-0.94	69	583	+183	1894
Homer	55	33	47	+4	0.51	5	6.33	-2.80	67	303	-63	1537
Kodiak	59	41	49	+4	0.89	4	35.41	+7.28	88	384	-7	1557

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