

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
Palmer, AK 99645

RELEASED: September 24, 2007

GENERAL: There were **4.0 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 90% harvested. **Oats** were reported as 80% harvested. **Potato** harvest was reported as 45% complete. Second cutting **hay** was 80% complete. **Winter supplies of hay** were listed as 15% short, 85% 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 17 – September 23, 2007		
DAYS SUITABLE FOR FIELDWORK: 4.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	0%
ADEQUATE	95%	100%
SURPLUS	5%	0%
PAN EVAPORATION FOR 09/17- 09/23 MAT AES SITE: N/A		

TANANA VALLEY: An average of **4.0 days were suitable for fieldwork** last week. Temperatures were down into the mid twenties around Delta Junction and down into the teens around Fairbanks. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 100% adequate. **Barley** was reported as 95% harvested. **Oats** were reported as 85% harvested. Second cutting **hay harvest** was 90% complete. No **wind and rain damage to crops** was reported. **Farm activities** for the week included harvesting hay, potatoes, vegetables and small grains.

MATANUSKA VALLEY: An average of **4.0 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 60% 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, grass seed, potatoes and vegetables.

KENAI PENINSULA: An average of **3.0 days were suitable for fieldwork**. Temperatures dipped below freezing several times but 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.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2007	2006	2005	2007	2006	2005	High	Low	
UAF-AFES, Trunk Road	50	50	54	48	46	49	58	32	0.76
Sawmill Creek	na	43	44	na	na	na	na	na	na
Plant Materials Center	na	na	52	na	na	47	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 17, 2007
 To: Sunday September 23, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - September 23, 07 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	57	25	43	+1	0.75	6	8.88	+2.50	55	1267	+325	2587
Fairbanks/Eiels	57	18	41	-2	1.28	4	10.79	+2.78	62	1070	+173	2357
Nenana_Muni_AM	56	21	42	+1	0.89	4	7.64	+1.54	48	1105	+301	2415
Ftgreely/Allen	56	27	40	-4	1.37	4	9.53	+0.67	64	1065	+208	2334
Healy_River_Air	52	25	41	-2	0.60	5	8.14	-1.20	92	1052	+382	2337
Gulkana_Arpt_A	56	23	41	+0	0.57	3	4.88	-2.02	51	648	+163	1826
Sutton	53	28	44	-1	1.14	5	10.52	+0.87	95	416	-96	1645
Palmer_Municipa	57	35	47	+1	0.24	2	2.05	-6.30	26	780	+105	2140
Talkeetna	61	33	46	+2	1.50	3	13.76	-1.48	62	800	+138	2123
Willow_Airport	57	30	46	-1	1.26	6	10.79	+2.66	91	940	+283	2310
Anchorage_Intl	58	35	48	+2	2.25	3	9.07	+0.44	48	732	+50	2060
Kenai_Municipal	59	31	47	+1	1.03	3	8.40	-0.55	64	582	+182	1845
Homer	58	34	48	+2	0.72	3	5.82	-2.55	62	302	-57	1483
Kodiak	60	39	50	+2	0.79	3	34.52	+8.41	84	381	-10	1489

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Alaska Agricultural Statistics Service
 PO Box 799
 Palmer, AK 99645

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