

ALASKA CROP-WEATHER

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



U.S. Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
Palmer, AK 99645

RELEASED: September 7, 2004

GENERAL: There were **5.0 days suitable for fieldwork** last week. Average temperatures for the week were below normal for the first time in months. Hard frosts were reported on the Kenai and in the Delta Junction area. **Topsoil moisture** and **subsoil moisture** supplies were both reported as 70% short, 30% adequate. The **barley** crop was reported as 10% ripe, 90% harvested. The **oat** crop was reported as 20% ripe, 80% harvested. **Potatoes** harvest was 15% complete statewide. **The second harvest of hay** was reported as 40% complete. A second cutting may not be possible on some acres due to earlier dry conditions. No **wind or rain damage to small grains** was reported. **Winter supplies of hay** were listed as 10% short, 85%adequate, 5% surplus. **Farm activities** for the week include harvesting vegetables, hay, potatoes and small grains, baling straw, equipment repair, fencing and preparing for winter.

CROP WEATHER SUMMARY August 30 - September 5, 2004		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	70%	70%
ADEQUATE	30%	30%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/30-09/05 MAT AES SITE: +0.186		

TANANA VALLEY: An average of **4.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 85% short, 15% adequate. **Subsoil moisture supplies** were 75% short, 25% adequate. **Barley** was reported as 10% ripe, 90% harvested. **Oats** were 20% ripe, 80% harvested. **Potato** harvest was 5% complete. **Second cutting hay** harvest was 55% complete. **Winter supplies of hay** were listed as 90% adequate, 10% surplus. **Farm activities** for the week included harvesting small grains, hay and vegetables, baling straw, disking stubble, and preparing for winter.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 60% short, 40% adequate. **Subsoil moisture supplies** were reported as 70% short, 30% adequate. **Potatoes** harvest was 20% complete. **Small grain harvest** was winding down. **Second cutting hay** was only 5% complete mostly due to poor regrowth. A second cutting may not be possible in many areas. **Winter supplies of hay** were listed as 20% short, 80% adequate. Major **farm activities** included harvesting potatoes, sod, vegetables, hay and small grains, equipment and fence repair, weed control and attending the Alaska State Fair in Palmer.

KENAI PENINSULA: An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture supplies** were both reported as 10% short, 90% adequate. **Potatoes** were reported as 20% harvested. **Second cutting hay** harvest was 90% complete. **Winter supplies of hay** were listed as 10% short, 85%adequate, 5% surplus. Major **farm activities** for the week included equipment and fence repair, as well as harvesting hay, potatoes and vegetables.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2004	2003	2002	2004	2003	2002	High	Low	
UAF-AFES, Trunk Road	na	55	56	na	54	53	67	33	0.28
Sawmill Creek	45	46	45	na	na	na	65	26	0.22
Plant Materials Center	na	56	56	na	54	52	na	na	na

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, Inc.

For the Period: Monday August 30, 2004
 To: Sunday September 5, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - September 5, 04						GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F			BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT	
Fairbanks Intl	65	31	47	-4	0.43	2	3.96	-1.77	37	1445	+510	2649	
Fairbanks/Eiels	66	30	48	-3	0.24	4	6.09	-1.17	51	1530	+640	2757	
Nenana Muni AM	64	29	46	-5	0.38	2	7.21	+1.58	53	1269	+470	2454	
Ftgreely/Allen	63	34	47	-4	0.04	2	5.40	-2.89	37	1272	+440	2469	
Healy River Air	66	34	46	-5	0.25	4	5.68	-2.77	71	1199	+535	2364	
Gulkana Arpt A	68	24	48	-1	0.73	3	3.13	-2.91	32	886	+410	2092	
Sutton	63	34	51	+1	0.49	3	7.98	+0.18	64	729	+233	1941	
Palmer Municipa	67	33	52	+0	0.60	5	5.50	-1.33	41	1047	+398	2305	
Talkeetna	67	29	52	+1	0.75	4	8.88	-3.83	41	1157	+509	2402	
Willow Airport	66	36	54	+1	0.43	3	6.96	+0.39	57	1119	+469	2377	
Anchorage Intl	65	37	54	+2	0.32	2	3.82	-3.15	30	988	+334	2223	
Kenai Municipal	66	30	51	-1	0.85	5	4.35	-2.68	40	682	+303	1862	
Homer	62	38	51	-1	1.08	4	3.51	-2.84	43	594	+259	1766	
Kodiak	65	38	54	+2	0.13	4	25.25	+3.84	79	533	+166	1689	

DFN = Departure From Normal (Using 1961-90 Normals Period).
 Precipitation (Rainfall or melted snow/ice) and Pan Evap in inches.
 Precipitation Days = Days with precip of .01 inch or more.
 Air Temperatures in Degrees Fahrenheit.

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 PO Box 799
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