

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
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RELEASED: September 27, 2004

GENERAL: There were **4.0 days suitable for fieldwork** last week statewide. Low temperatures dipped into the teens in several areas last week. Precipitation fell across the state during the week, sometimes in the form of snow. **Topsoil moisture** supplies were reported as 30% short, 70% adequate. **Subsoil moisture** supplies were reported as 40% short, 60% adequate. The **barley** crop remained at 95% harvested. The harvest of **oats** was complete. **Potato** harvest was 85% complete statewide. **The second harvest of hay** was reported at 60% complete. **Wind or rain damage to small grains** was reported in the Delta Junction area. **Winter supplies of hay** were listed as 10% short, 80% adequate, 10% surplus. **Farm activities** for the week include harvesting vegetables, potatoes and hay as well as preparing for winter.

CROP WEATHER SUMMARY September 19 - September 26, 2004		
DAYS SUITABLE FOR FIELDWORK: 4.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	30%	40%
ADEQUATE	70%	60%
SURPLUS	0%	0%
PAN EVAPORATION FOR 09/19-09/26 MAT AES SITE: -0.768		

TANANA VALLEY: An average of **3.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 45% short, 55% adequate. **Subsoil moisture supplies** were 55% short, 45% adequate. **Barley** harvest was 95% complete. Harvesting of the **oat** crop was complete. **Potato** harvest was 60% complete. **Second cutting hay** harvest was 80% complete. **Winter supplies of hay** were listed as 90% adequate, 10% surplus. Harvest of straw and grains was again slowed by mixed rain and snow during the week. **Farm activities** for the week included harvesting haylage, oats, potatoes and vegetables.

MATANUSKA VALLEY: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture supplies** were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were 15% short, 85% adequate. **Potato** harvest was 95% complete. **Second cutting hay** remained at 5% complete; some fields were cut but not baled last week. Weather conditions will prevent a second cutting in many areas. **Winter supplies of hay** were listed as 30% short, 70% adequate. Major **farm activities** included harvesting potatoes and vegetables and preparing for winter.

KENAI PENINSULA: An average of **3.0 days were suitable for fieldwork**. Heavy rains and frost were reported on the Peninsula. **Topsoil and subsoil moisture supplies** were both reported as 95% adequate, 5% surplus. **Potatoes** were reported as 95% harvested. **Second cutting hay** harvest was 95% complete. **Winter supplies of hay** were listed as 10% short, 80% adequate, 10% surplus. Major **farm activities** for the week included equipment repair, preparing for winter, as well as harvesting vegetables.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2004	2003	2002	2004	2003	2002	High	Low	
UAF-AFES, Trunk Road	45	47	49	46	48	46	54	24	1.03
Sawmill Creek	33	na	37	na	na	na	56	11	0.34
Plant Materials Center	na	50	50	na	45	46	53	24	1.95

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 September 20, 2004
 To: Sunday September 26, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - September 26, 04				GDD	
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	53	26	38	-3	0.20	3	4.41	-2.08	42	1445	+505	2674
Fairbanks/Eiels	55	25	38	-2	0.71	4	7.31	-0.84	58	1530	+634	2779
Nenana Muni AM	52	22	38	-2	0.15	3	8.12	+1.94	59	1269	+467	2466
Ftgreely/Allen	51	16	35	-6	0.17	4	6.03	-2.94	44	1272	+414	2489
Healy River Air	50	19	36	-5	0.47	6	6.52	-3.01	81	1203	+533	2400
Gulkaņa Arpt_A	59	15	36	-5	0.16	4	3.31	-3.75	37	886	+401	2101
Sutton	54	19	40	-4	2.62	7	10.93	+0.92	75	729	+217	2000
Palmer Municipa	54	26	42	-3	1.14	4	6.91	-1.75	48	1048	+371	2411
Talkeetna	49	22	38	-5	2.12	6	11.01	-4.73	48	1157	+495	2473
Willow Airport	53	27	41	-4	2.37	7	9.69	+1.21	66	1120	+463	2468
Anchorage Intl	54	27	41	-5	3.17	4	7.51	-1.46	35	994	+310	2338
Kenai Municipal	54	22	41	-3	2.21	6	6.73	-2.63	48	682	+282	1930
Homer	56	27	44	-3	1.46	6	5.16	-3.61	52	594	+231	1884
Kodiak	59	31	48	+1	1.74	4	28.00	+0.94	88	542	+151	1859

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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