

ALASKA CROP-WEATHER

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



ALASKA
AGRICULTURAL
STATISTICS SERVICE

US Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
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RELEASED: September 19, 2005

GENERAL: There were **4.5 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** supplies were reported as 25% short, 75% adequate. **Barley** was reported as 95% harvested. Last year 95% of the crop was harvested at this time, the 5 year average is 65% harvested. **Oats** were reported as 90% harvested. Last year 95% of the crop was harvested at this time, the 5 year average is 45%. **Potatoes** were reported as 40% harvested. Second cutting of **hay** was remained at 65% complete statewide, as rain continued to hamper harvest. Winter supplies of hay were reported as 5% short, 90% adequate, 5% surplus. **Farm activities** for the week included equipment repair and harvesting barley, oats, hay, potatoes and vegetables.

CROP WEATHER SUMMARY September 12 – September 18, 2005		
DAYS SUITABLE FOR FIELDWORK: 4.5		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	25%
ADEQUATE	95%	75%
SURPLUS	5%	0%
PAN EVAPORATION FOR 09/12-09/18 MAT AES SITE: -0.07		

TANANA VALLEY: There were **5.0 days suitable for fieldwork** last week. Temperatures dipped into the low 20's last Thursday in Delta Junction. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 45% short, 55% adequate across the Tanana Valley, with subsoil conditions much drier in the Delta Junction area. **Barley** was reported as 95% harvested. **Oats** were reported as 90% harvested. **Potatoes** were reported as 50% harvested. Second cutting **hay** was reported as 90% complete, as high moisture hay was baled last week. **Winter supplies of hay** were reported as 90% adequate, 10% surplus. **Farm activities** for the week included harvesting hay, oats, barley, potatoes and vegetables, baling straw and equipment repair.

MATANUSKA VALLEY: There were **4.5 days suitable for fieldwork** as rains fell again during the week. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 100% adequate. **Small grain** harvest continued. **Potato** harvest was reported as 40% complete. Blight was found in more fields during the week. Second cutting **hay** remained at 25% harvested due to the rain. **Winter supplies of hay** were reported as 10% short, 90% adequate. **Farm activities** during the week included cleaning seed, weed control, equipment repair, as well as harvesting potatoes, small grains, sod and vegetables.

KENAI PENINSULA: An average of **3.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 85% adequate, 15% surplus. **Potatoes** were reported as 25% harvested. Second cutting **hay** harvest was 60% complete, with little to no second cutting having been done around Homer. Last week's percent harvested of 90% was in error. **Winter supplies of hay** were reported as 20% short, 80% adequate. **Farm activities** for the week were limited by the rain, but hay, potatoes and vegetables were harvested.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2005	2004	2003	2005	2004	2003	High	Low	
UAF-AFES, Trunk Road	54	46	45	49	43	44	64	43	0.45
Sawmill Creek	44	35	30	na	na	na	63	28	0.65
Plant Materials Center	52	na	48	47	na	44	60	36	0.27

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, Inc.

For the Period: Monday September 12, 2005
 To: Sunday September 18, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - September 18, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	63	34	49	+4	0.07	3	7.34	+1.12	59	1157	+215	2502
Fairbanks/Eiels	64	32	50	+5	0.12	4	8.13	+0.32	66	1258	+361	2639
Nenana_Muni_AM	62	37	50	+6	0.04	3	6.42	+0.42	57	1038	+234	2392
Ftgreely/Allen	61	32	48	+3	0.27	3	7.18	-1.53	57	951	+99	2267
Healy_River_Air	61	36	50	+6	0.23	6	10.81	+1.72	89	866	+196	2159
Gulkana_Arpt_A	64	29	47	+4	0.38	3	8.68	+2.03	60	599	+114	1814
Sutton	57	34	47	+2	0.88	6	15.22	+6.08	105	513	+2	1795
Palmer_Municipa	63	42	51	+3	0.39	5	11.55	+3.63	64	866	+196	2252
Talkeetna	64	43	51	+5	0.85	5	13.93	-0.61	75	988	+326	2341
Willow_Airport	64	43	52	+4	0.89	5	13.64	+5.96	100	1054	+397	2435
Anchorage_Intl	61	44	52	+4	0.76	4	8.01	-0.17	55	902	+225	2275
Kenai_Municipal	62	36	51	+4	1.95	5	9.57	+1.17	57	490	+95	1762
Homer	62	39	52	+5	1.03	4	6.93	-0.85	76	597	+243	1941
Kodiak	64	36	50	+0	0.75	3	23.51	-1.20	76	512	+126	1761

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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