

# 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 26, 2005

**GENERAL:** There were **3.0 days suitable for fieldwork** last week as rain fell throughout the state. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** supplies were reported as 25% short, 75% adequate. **Barley** remained at 95% harvested. Last year 95% of the crop was harvested at this time; the 5 year average is 85% harvested. **Oats** were reported as 90% harvested. Last year at this time, 99% of the crop was harvested; the 5 year average is 75%. **Potatoes** were reported as 60% harvested. Second cutting of **hay** was 70% complete statewide, as some high moisture hay was baled. **Winter supplies of hay** were reported as 5% short, 90% adequate, 5% surplus. **Farm activities** for the week included equipment repair and harvesting hay, potatoes and vegetables. This will be our last report for the season.

CROP WEATHER SUMMARY September 19 – September 25, 2005		
DAYS SUITABLE FOR FIELDWORK: 3.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	25%
ADEQUATE	95%	75%
SURPLUS	5%	0%
PAN EVAPORATION FOR 09/19-09/25 MAT AES SITE: -0.611		

**TANANA VALLEY:** There were **2.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 40% short, 60% adequate, however subsoil moisture was reported as much drier in the Delta Junction area. **Barley** was reported as 95% harvested. **Oats** were reported as 90% harvested. **Potatoes** were reported as 75% harvested. Second cutting **hay** was reported as 95% complete, with some high moisture hay being baled last week. **Winter supplies of hay** were reported as 90% adequate, 10% surplus. **Farm activities** for the week included harvesting hay, potatoes and vegetables and equipment repair.

**MATANUSKA VALLEY:** 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. **Potato** harvest was reported as 55% complete as rains slowed the harvest. Second cutting **hay** remained at 25% harvested due to the rain. **Winter supplies of hay** were reported as 15% short, 85% adequate. **Farm activities** during the week included equipment repair, as well as harvesting potatoes, sod and vegetables.

**KENAI PENINSULA:** An average of **2.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 85% adequate, 15% surplus. **Subsoil moisture** was reported as 90% adequate, 10% surplus. **Potatoes** were reported as 25% harvested. Second cutting **hay** harvest was 60% complete, with little to activity due to rain. **Winter supplies of hay** were reported as 20% short, 80% adequate. **Farm activities** for the week were limited by the rain, but some potatoes and vegetables were harvested.

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

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2005	2004	2003	2005	2004	2003	High	Low	
UAF-AFES, Trunk Road	52	45	47	46	46	48	59	38	0.95
Sawmill Creek	42	33	na	na	na	na	60	30	0.90
Plant Materials Center	46	na	50	52	na	45	60	35	0.92

### 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.

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Weather Summary For Alaska Agricultural Statistics Service  
 Prepared By AWIS, Inc.

For the Period: Monday September 19, 2005  
 To: Sunday September 25, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - September 25, 05					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	55	36	45	+5	0.89	7	8.23	+1.79	66	1157	+215	2539
Fairbanks/Eiels	61	37	46	+6	0.40	5	8.53	+0.44	71	1259	+362	2687
Nenana_Muni_AM	56	37	46	+6	0.75	5	7.17	+1.03	62	1038	+234	2433
Ftgreely/Allen	58	39	46	+5	0.85	6	8.03	-0.89	63	951	+92	2307
Healy_River_Air	55	36	45	+5	0.85	7	11.66	+2.22	96	868	+198	2196
Gulkana_Arpt_A	59	30	46	+6	0.14	4	8.82	+1.83	64	599	+114	1857
Sutton	55	34	47	+3	1.13	7	16.35	+6.50	112	513	+1	1843
Palmer_Municipa	60	38	50	+5	1.16	5	12.71	+4.20	69	872	+195	2322
Talkeetna	60	36	49	+6	2.20	6	16.13	+0.61	81	989	+327	2405
Willow_Airport	63	39	51	+6	1.00	7	14.64	+6.33	107	1064	+407	2510
Anchorage_Intl	59	41	51	+7	0.53	4	8.54	-0.27	59	916	+232	2357
Kenai_Municipal	60	36	50	+6	1.08	4	10.65	+1.48	61	498	+98	1831
Homer	58	38	51	+5	1.26	5	8.19	-0.40	81	609	+248	2017
Kodiak	61	36	50	+3	0.18	2	23.69	-2.99	78	518	+127	1830

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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