

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension



ALASKA
AGRICULTURAL
STATISTICS SERVICE

US Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
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GENERAL: There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** supplies were reported as 20% short, 80% adequate. **Barley** was reported as 5% ripe, while **oats** were reported as 15% turning color. Condition of the barley crop was reported as 15% fair, 40% good, 45% excellent. **Oats** were reported as 10% fair, 50% good, 40% excellent. **Potatoes** were reported as 60% in bloom. Condition of the potato crop was listed as 15% fair, 60% good, 25% excellent. First cutting of **hay** was reported as 97% complete statewide. Second cutting of hay was just underway. Condition of second cutting hay was listed as 25% fair, 40% good, 35% excellent. **Range and pasture** condition was reported as 10% fair, 55% good, 35% excellent. **Farm activities** for the week included harvesting hay and vegetables, weed control, fertilizing for second cutting hay and preparing for grain harvest.

CROP WEATHER SUMMARY July 25 – July 31, 2005		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	15%	20%
ADEQUATE	85%	80%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/25-07/31 MAT AES SITE: -1.02		

TANANA VALLEY: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 25% short, 75% adequate. **Subsoil moisture** was reported as 30% short, 70% adequate. **Barley** was reported as 5% ripe, mostly in the Fairbanks area. **Oats** were reported as 15% turning color. Condition of the barley crop was reported as 15% fair, 40% good, 45% excellent. Condition of the oat crop was reported as 15% fair, 40% good, 45% excellent. **Potatoes** were reported as 50% in bloom. Condition of the potato crop was listed as 30% fair, 55% good, 15% excellent. First cutting **hay** was reported as 99% harvested, second cutting is just underway. Condition of second cutting hay was listed as 30% fair, 30% good, 40% excellent. **Range and pasture** condition was reported as 15% fair, 45% good, 40% excellent. **Farm activities** for the week included harvesting hay, preparing machinery for grass seed and grain harvests, mowing CRP and fertilizing hay fields.

MATANUSKA VALLEY: There were **5.0 days suitable for fieldwork**. **Topsoil moisture** was reported as 5% short, 95% adequate. **Subsoil moisture** was also reported as 5% short, 95% adequate. **Potatoes** were reported as 65% in bloom. Condition of the potato crop was listed as 10% fair, 60% good, 30% excellent. **Hay** was reported as 98% harvested. Condition of second cutting hay was listed as 25% fair, 50% good, 25% excellent. **Range and pasture** condition was reported as 5% fair, 65% good, 30% excellent. **Farm activities** during the week included weed control, irrigation, fence repair and harvesting hay, grass seed and vegetables.

KENAI PENINSULA: An average of **4.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 90% adequate, 10% surplus. **Subsoil moisture** was also 90% adequate, 10% surplus. **Potatoes** were reported as 15% in bloom. Condition of the potato crop was listed as 5% fair, 60% good, 35% excellent. **Hay** harvest was 90% complete. Condition of hay was listed as 10% fair, 55% good, 35% excellent. **Range and pasture** condition was reported as 5% poor, 10% fair, 50% good, 35% excellent. **Farm activities** for the week included harvesting hay and vegetables, renovating old hay fields and equipment maintenance.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2005	2004	2003	2005	2004	2003	High	Low	
UAF-AFES, Trunk Road	59	63	58	52	57	55	73	47	1.94
Sawmill Creek	50	54	49	na	na	na	77	32	0.48
Plant Materials Center	57	60	57	50	59	54	71	46	1.10

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 July 25, 2005
 To: Sunday July 31, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - July 31, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	80	47	63	+2	0.22	2	6.66	+2.93	42	902	+177	1807
Fairbanks/Eiels	81	48	63	+2	0.14	4	6.42	+1.76	43	972	+289	1888
Nenana_Muni_AM	80	39	60	+0	0.05	2	4.93	+1.50	35	805	+184	1712
Ftgreely/Allen	76	37	58	-3	0.29	2	5.34	-0.58	38	706	+81	1590
Healy_River_Air	75	45	60	+2	0.47	5	7.05	+1.36	55	625	+125	1495
Gulkana_Arpt_A	73	39	54	-4	1.17	5	5.62	+1.67	37	392	+60	1199
Sutton	68	46	54	-3	1.32	7	8.38	+3.82	70	355	+21	1184
Palmer_Municipa	72	46	56	-2	1.42	4	6.00	+1.97	34	609	+164	1509
Talkeetna	72	47	59	+1	0.78	5	4.33	-2.96	47	700	+243	1571
Willow_Airport	71	51	59	+1	1.14	7	7.02	+3.57	67	720	+293	1617
Anchorage_Intl	69	51	59	+1	0.55	5	2.20	-1.26	28	596	+162	1479
Kenai_Municipal	72	44	58	+3	0.74	5	3.32	-0.47	32	294	+62	1085
Homer	68	44	56	+2	0.33	5	2.36	-1.12	41	352	+160	1208
Kodiak	65	45	55	-1	1.89	6	16.56	+0.75	53	285	+95	1062

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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