

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
Palmer, AK 99645

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GENERAL: There were **6.5 days suitable for fieldwork** last week. **Topsoil moisture** was reported as 40% short, 60% adequate. **Subsoil moisture** supplies were reported as 25% short, 75% adequate. **Barley** was reported as 20% turning color, while **oats** were reported as 50% in dough. Condition of the barley crop was reported as 15% fair, 40% good, 45% excellent. **Oats** were reported as 5% poor, 10% fair, 50% good, 35% excellent. **Potatoes** were reported as 40% in bloom. Condition of the potato crop was listed as 15% fair, 60% good, 25% excellent. First cutting of **hay** was reported as 85% complete statewide. Condition of hay was listed as 15% poor, 30% fair, 45% good, 10% excellent. **Range and pasture** condition was reported as 10% fair, 50% good, 40% excellent. **Farm activities** for the week included harvesting hay and vegetables, weed control, fertilizing for second cutting hay and irrigation.

CROP WEATHER SUMMARY July 11 – July 17, 2005		
DAYS SUITABLE FOR FIELDWORK: 6.5		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	40%	25%
ADEQUATE	60%	75%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/11- 07/17 MAT AES SITE: +1.135		

TANANA VALLEY: There were **7.0 days suitable for fieldwork** last week. Topsoil moisture was reported as 50% short, 50% adequate. **Subsoil moisture** was reported as 25% short, 75% adequate. **Barley** was reported as 20% turning color, while **oats** were reported as 50% in dough. 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 35% in bloom. Condition of the potato crop was listed as 25% fair, 50% good, 25% excellent. **Hay** was reported as 85% harvested. Condition of hay was listed as 25% poor, 45% fair, 30% good. **Range and pasture** condition was reported as 10% fair, 40% good, 50% excellent. **Farm activities** for the week included harvesting hay, weed control, fertilizing and machinery repair.

MATANUSKA VALLEY: There were **6.0 days suitable for fieldwork**. **Topsoil moisture** was reported as 30% short, 70% adequate. **Subsoil moisture** was reported as 25% short, 75% adequate. **Potatoes** were reported as 40% in bloom. Condition of the potato crop was listed as 10% fair, 65% good, 25% excellent. **Hay** was reported as 90% harvested. **Condition of hay** was listed as 10% fair, 65% good, 25% excellent. **Range and pasture** condition was reported as 10% fair, 60% good, 30% excellent. **Farm activities** during the week included weed control, irrigation, transplanting vegetables and harvesting hay, grass seed and vegetables.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moisture** was 10% short, 90% adequate. **Potatoes** were reported as 10% in bloom. Condition of the potato crop was listed as 50% good, 50% excellent. **Hay** harvest was 85% complete. Condition of hay was listed as 10% fair, 50% good, 40% excellent. **Range and pasture** condition was reported as 10% poor, 10% fair, 40% good, 40% excellent. **Farm activities** for the week included haying, renovating old hay and pasture fields and equipment maintenance.

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	62	64	55	61	61	70	76	46	0.01
Sawmill Creek	55	na	54	na	na	na	79	39	0.02
Plant Materials Center	62	na	na	61	na	na	75	44	0.31

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 11, 2005
 To: Sunday July 17, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - July 17, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	79	51	63	+1	0.18	4	5.40	+2.51	38	734	+174	1499
Fairbanks/Eiels	82	52	65	+4	0.22	3	5.96	+2.37	38	792	+267	1568
Nenana_Muni_AM	79	47	62	+1	0.20	3	4.45	+2.00	31	665	+189	1432
Ftgreely/Allen	77	49	63	+2	0.02	1	4.45	-0.23	33	602	+124	1348
Healy_River_Air	77	51	61	+3	0.09	4	6.03	+1.47	46	486	+113	1216
Gulkana_Arpt_A	76	49	61	+4	0.00	0	4.06	+0.95	29	327	+95	997
Sutton	72	43	59	+3	0.29	4	6.58	+3.11	59	271	+35	960
Palmer_Municipa	75	47	62	+4	0.19	2	4.01	+0.96	25	495	+164	1255
Talkeetna	81	50	63	+4	0.15	3	3.34	-2.33	39	551	+219	1282
Willow_Airport	75	51	63	+5	0.23	4	5.61	+3.07	56	567	+266	1324
Anchorage_Intl	75	50	63	+5	0.06	1	1.48	-1.06	21	451	+139	1194
Kenai_Municipal	74	49	59	+5	0.14	1	2.37	-0.53	25	192	+36	843
Homer	71	47	58	+5	0.05	3	1.63	-1.13	33	255	+131	971
Kodiak	67	46	56	+2	1.47	4	14.45	+0.36	44	190	+70	827

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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