

# ALASKA CROP-WEATHER



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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

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**GENERAL:** There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 25% short, 75% adequate. **Subsoil moisture** supplies were reported as 15% short, 85% adequate. **Barley** was reported as 50% in the dough stage. **Oats** were reported as 10% in dough. **Condition of the barley crop** was reported as 25% poor, 25% fair, 35% good, 15% excellent. **Condition of the oat crop** was reported as 25% poor, 30% fair, 35% good, 10% excellent. **Potatoes** were listed as 25% in bloom statewide. **Condition of the potato crop** was reported as 20% fair, 65% good, 15% excellent. First cutting **hay harvest** was 85% complete. Condition of the **hay** crop was reported as 5% poor, 20% fair, 50% good, 25% excellent. Condition of **range and pasture** was rated as 15% fair, 50% good, 35% excellent. **Crop growth** was rated as 80% moderate, 20% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. The main **farm activities** for the week were harvesting hay and vegetables, working fallow ground, and irrigating fields.

CROP WEATHER SUMMARY July 17 – July 23, 2006		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	25%	15%
ADEQUATE	75%	85%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/17- 07/23 MAT AES SITE: +1.372		

**TANANA VALLEY:** An average of **6.5 days were suitable for fieldwork** last week. **Topsoil moisture** was reported as 25% short, 75% adequate. **Subsoil moisture** was reported as 15% short, 85% adequate. **Barley** was reported as 50% in dough. **Oats** were reported as 10% in dough. **Condition of the barley crop** was reported as 25% poor, 25% fair, 35% good, 15% excellent. **Condition of the oat crop** was reported as 30% poor, 40% fair, 15% good, 15% excellent. **Potatoes** were listed as 15% in bloom. **Condition of the potato crop** was reported as 40% fair, 50% good, 10% excellent. First cutting **hay harvest** was 90% complete. Condition of the **hay** crop was reported as 10% poor, 20% fair, 40% good, 30% excellent. **Crop growth** was rated as 65% moderate, 35% rapid. **Wind and rain damage to crops** was listed as 90% none, 10% light. **Farm activities** for the week included harvesting hay, weed control, and working fallow ground.

**MATANUSKA VALLEY:** An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 25% short, 75% adequate. **Subsoil moisture** was reported as 20% short, 80% adequate. **Potatoes** were reported as 30% in bloom. **Condition of the potato crop** was reported as 10% fair, 70% good, 20% excellent. First cutting of **hay** was 75% complete. Condition of the **hay** crop was reported as 15% fair, 75% good, 10% excellent. **Crop growth** was rated as 100% moderate. **Wind or rain damage to crops** was reported as 100% none. Major **farm activities** during the week included harvesting hay, grass seed and vegetables, weed control, working fallow ground, and irrigating.

**KENAI PENINSULA:** An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 30% in bloom. **Condition of the potato crop** was reported as 5% poor, 10% fair, 55% good, 30% excellent. First cutting of **hay** was 75% complete. Condition of the **hay** crop was reported as 20% fair, 50% good, 30% excellent. **Crop growth** was rated as 85% moderate, 15% rapid. No **wind or rain damage to crops** was reported. Major **farm activities** for the week included harvesting hay and weed control.

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

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2006	2005	2004	2006	2005	2004	High	Low	
UAF-AFES, Trunk Road	61	62	64	62	61	61	70	43	0.00
Sawmill Creek	54	55	61	na	na	na	79	36	0.00
Plant Materials Center	58	62	na	57	61	na	69	41	0.00

## 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.com from NWS preliminary data

For the Period: Monday July 17, 2006  
 To: Sunday July 23, 2006

STATION	LAST WEEK WEATHER SUMMARY						May 1, 06 - July 23, 06					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	77	48	60	-3	0.10	2	3.04	-0.21	26	582	-53	1308
Fairbanks/Eiels	79	50	62	+0	0.03	2	2.41	-1.61	36	686	+89	1456
Nenana_Muni_AM	77	43	59	-3	0.17	2	2.79	-0.08	26	519	-23	1224
Ftgreely/Allen	76	45	60	-1	0.01	1	7.20	+1.98	40	490	-54	1184
Healy_River_Air	75	48	60	+0	0.07	2	3.93	-1.12	41	481	+50	1198
Gulkana_Arpt_A	71	31	53	-5	0.00	0	1.05	-2.42	21	346	+70	977
Sutton	64	37	53	-5	0.30	5	3.82	-0.10	49	236	-42	904
Palmer_Municipa	69	44	57	-2	0.00	0	0.44	-3.03	9	421	+40	1153
Talkeetna	73	45	58	-2	0.13	2	5.71	-0.62	31	422	+36	1123
Willow_Airport	70	50	59	-1	0.29	5	3.63	+0.73	40	531	+176	1253
Anchorage_Intl	67	47	57	-2	0.00	0	2.46	-0.44	15	407	+41	1117
Kenai_Municipal	71	39	56	+1	0.06	4	3.01	-0.25	30	303	+116	972
Homer	64	47	55	+2	0.13	3	2.30	-0.76	38	154	+2	809
Kodiak	55	48	51	-5	4.15	6	18.17	+3.32	43	157	+7	762

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