

ALASKA CROP-WEATHER

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



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

USDA, NASS, Alaska Field Office
P.O. Box 799
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GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were also reported as 10% short, 90% adequate. **Barley** was reported as 55% turning color. **Oats** were reported as 5% turning color. **Condition of the barley crop** was reported as 10% fair, 40% good, 50% excellent. **Condition of the oat crop** was reported as 10% fair, 50% good, 40% excellent. **Potatoes** were listed as 55% in bloom statewide. **Condition of the potato crop** was listed as 10% fair, 55% good, 35% excellent. First cutting **hay harvest** was 90% complete. Condition of the **hay** crop was reported as 5% poor, 15% fair, 50% good, 30% excellent. **Crop growth** was rated as 5% slow, 65% moderate, 30% rapid. **Wind and rain damage to crops** was reported as 99% none, 1% light. The main **farm activities** for the week were harvesting hay and grass seed, weed control, equipment maintenance.

CROP WEATHER SUMMARY July 23 – July 29, 2007		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	10%
ADEQUATE	90%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/23- 07/29 MAT AES SITE: +0.562		

TANANA VALLEY: An average of **6.0 days were suitable for fieldwork** last week. **Topsoil and subsoil moisture** was both reported as 5% short, 95% adequate. **Barley** was reported as 60% turning color. **Oats** were reported as 5% turning color. **Condition of the barley crop** was reported as 10% fair, 40% good, 50% excellent. **Condition of the oat crop** was reported as 10% fair, 40% good, 50% excellent. **Potatoes** were listed as 60% in bloom. First cutting **hay harvest** was 95% complete. Condition of the **hay** crop was reported as 5% poor, 15% fair, 35% good, 45% excellent. **Crop growth** was rated as 65% moderate, 35% rapid. **Wind and rain damage to crops** was reported as 100% none. **Farm activities** for the week included harvesting hay and grass seed, weed control, CRP maintenance, and equipment repair.

MATANUSKA VALLEY: An average of **6.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** was reported as 25% short, 75% adequate. **Potatoes** were reported as 50% in bloom. First cutting of **hay** was 90% complete. Condition of the **hay** crop was reported as 10% fair, 80% good, 10% excellent. **Crop growth** was rated as 10% slow, 80% moderate, 10% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. Major **farm activities** during the week included weed control, irrigation, machinery and fence repair, harvesting hay.

KENAI PENINSULA: An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture and subsoil moisture** supplies were both reported as 100% adequate. **Potatoes** were reported as 10% in bloom. First cutting of **hay** was 50% complete. Condition of the **hay** crop was reported as 10% poor, 15% fair, 50% good, 25% excellent. **Crop growth** was rated as 40% moderate, 60% rapid. No **wind or rain damage to crops** was reported. Major **farm activities** for the week included harvesting hay and equipment repair.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2007	2006	2005	2007	2006	2005	High	Low	
UAF-AFES, Trunk Road	64	59	64	64	56	62	72	50	0.50
Sawmill Creek	56	na	na	na	na	na	80	38	0.14
Plant Materials Center	57	58	na	na	56	61	76	47	0.06

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 23, 2007
 To: Sunday July 29, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - July 29, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	82	50	64	+3	1.17	4	5.68	+2.07	29	858	+154	1665
Fairbanks/Eiels	80	49	63	+3	0.86	5	5.32	+0.82	37	754	+91	1544
Nenana_Muni_AM	82	46	64	+4	0.47	2	4.06	+0.77	25	744	+141	1547
Ftgreely/Allen	79	51	63	+4	0.21	3	5.34	-0.42	37	706	+100	1489
Healy_River_Air	77	54	64	+5	0.53	5	4.57	-0.96	55	737	+253	1531
Gulkana_Arpt_A	75	38	58	+2	0.02	1	2.06	-1.77	30	421	+103	1130
Sutton	67	45	56	-2	0.62	6	5.29	+0.89	54	231	-89	960
Palmer_Municipa	73	48	59	+2	0.01	1	0.57	-3.32	9	441	+12	1264
Talkeetna	74	51	60	+2	0.77	3	3.57	-3.47	33	474	+34	1274
Willow_Airport	72	53	60	+2	0.73	6	5.23	+1.92	51	586	+177	1423
Anchorage_Intl	70	52	58	+0	0.67	4	2.88	-0.43	24	380	-38	1164
Kenai_Municipal	70	45	57	+3	0.91	5	3.23	-0.42	33	320	+98	1057
Homer	63	47	54	-1	0.68	4	2.06	-1.30	32	129	-53	771
Kodiak	64	49	53	-2	6.04	5	25.10	+9.53	55	149	-31	709

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