

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

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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 5% short, 90% adequate, 5% surplus. **Subsoil moisture** supplies were 20% short, 80% adequate. **Barley** was reported as 25% turning color. **Oats** were 15% turning color. **Potatoes** were 35% in bloom. **Hay harvest** was 75% complete. **Condition of barley** was listed as 20% fair, 30% good, 50% excellent. **Condition of oats** was listed as 10% fair, 45% good, 45% excellent. **Condition of hay** was listed as 15% poor, 30% fair, 35% good, 20% excellent. **Condition of potatoes** was 20% fair, 45% good, 35% excellent. **Rate of crop growth** was 30% slow, 45% moderate, 25% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. The main **farm activities** for the week were weed control, hay and vegetable harvest, fertilizer application.

CROP WEATHER SUMMARY July 26 – August 1, 2010		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	5%	20%
ADEQUATE	90%	80%
SURPLUS	5%	0%
PAN EVAPORATION FOR 07/26 - 08/1 MAT AES SITE: -0.224		

TANANA VALLEY: An average of **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was 30% short, 70% adequate. **Barley** was reported as 25% turning color; **oats** 15% turning color. **Potatoes** were 50% in bloom. **Hay harvest** was 95% complete. **Condition of barley** was listed as 20% fair, 30% good, 50% excellent. **Condition of oats** was listed as 15% fair, 30% good, 55% excellent. **Condition of hay** was listed as 5% poor, 25% fair, 40% good, 30% excellent. **Condition of potatoes** was 20% fair, 40% good, 40% excellent. No **wind and rain damage to crops** was reported. **Farm activities** for the week included hay and grass seed harvest, CRP maintenance, fertilizer application, weed control.

MATANUSKA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 90% adequate, 10% surplus. **Subsoil moisture** was 10% short, 90% adequate. **Potatoes** were 30% in bloom. **Hay harvest** was 50% complete. **Condition of hay** was listed as 25% poor, 35% fair, 35% good, 5% excellent. **Condition of potatoes** was 20% fair, 50% good, 30% excellent. **Wind and rain damage to crops** was reported as 95% none, 5% light. **Farm activities** for the week included weed control, hay and vegetable harvest, equipment repair.

KENAI PENINSULA: There were **4.0 days suitable for fieldwork last week**. **Topsoil moisture and subsoil moisture** were both reported at 100% adequate. **Potatoes** were 40% in bloom. **Hay harvest** was 30% complete. **Condition of hay** was listed as 40% poor, 30% fair, 20% good, 10% excellent. **Wind and rain damage to crops** was reported as 80% none, 10% light, 10% moderate. **Farm activities** for the week included waiting to harvest hay, equipment maintenance.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2010	2009	2008	2010	2009	2008	High	Low	
UAF-AFES, Trunk Road	63	59	57	61	56	61	70	47	0.87
Sawmill Creek	55	54	48	na	na	na	80	38	0.00
Plant Materials Center	na	53	55	na	na	na	67	46	0.71

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 26, 2010
 To: Sunday August 1, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - August 1, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	83	47	62	+2	0.29	1	4.91	+1.12	37	851	+116	1714
Fairbanks/Eiels	80	45	60	-2	0.11	3	6.03	+1.29	36	707	+14	1536
Nenana_Muni_AM	82	43	60	+0	0.09	2	6.24	+2.74	40	722	+92	1567
Ftgreely/Allen	78	46	61	+2	0.00	0	6.88	+0.88	42	679	+45	1500
Healy_River_Air	79	41	58	-2	0.15	4	3.47	-2.31	53	596	+88	1420
Gulkana_Arpt_A	72	40	56	-2	0.44	5	4.52	+0.51	43	315	-23	1091
Sutton	68	46	53	-4	0.86	7	5.24	+0.60	64	231	-110	1010
Palmer_Municipa	70	47	56	-3	0.78	5	4.78	+0.68	38	418	-35	1280
Talkeetna	69	49	56	-4	1.11	7	7.30	-0.12	50	423	-42	1241
Willow_Airport	65	50	56	-4	1.05	7	5.32	+1.80	57	513	+77	1387
Anchorage_Intl	66	50	56	-4	1.64	6	4.10	+0.56	32	388	-54	1205
Kenai_Municipal	65	51	57	+2	1.20	7	5.36	+1.50	43	358	+121	1177
Homer	62	42	53	-3	2.04	5	4.62	+1.08	37	79	-118	740
Kodiak	61	46	53	-3	1.27	5	16.82	+0.89	66	114	-81	802

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