

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

USDA, NASS, Alaska Field Office
P.O. Box 799
Palmer, AK 99645

RELEASED: August 9, 2010

GENERAL: There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 5% short, 85% adequate, 10% surplus. **Subsoil moisture** supplies were 20% short, 80% adequate. **Barley** was reported as 5% ripe. **Oats** were 15% turning color. **Potatoes** were 50% in bloom. **First cutting hay harvest** was 80% complete. **Condition of barley** was listed as 20% fair, 30% good, 50% excellent. **Condition of oats** was listed as 10% fair, 40% good, 50% excellent. **Condition of hay** was listed as 10% poor, 25% fair, 35% good, 30% excellent. **Condition of potatoes** was 20% fair, 45% good, 35% excellent. **Range and pasture condition** was 5% poor, 20% fair, 45% good, 30% excellent. **Rate of crop growth** was 60% moderate, 40% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. The main **farm activities** for the week were hay, grass seed and vegetable harvest, fertilizer application, weed control.

CROP WEATHER SUMMARY August 2 – August 8, 2010		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	5%	20%
ADEQUATE	85%	80%
SURPLUS	10%	0%
PAN EVAPORATION FOR 08/2 - 08/8 MAT AES SITE: 0.068		

TANANA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was 25% short, 75% adequate. **Barley** was reported as 5% ripe; **oats** 15% turning color. **Potatoes** were 50% in bloom. **First cutting hay harvest** was 97% complete. **Condition of barley** was listed as 20% fair, 30% good, 50% excellent. **Condition of oats** was listed as 15% fair, 25% good, 60% excellent. **Condition of hay** was listed as 20% fair, 35% good, 45% 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, preparing for grain harvest.

MATANUSKA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 80% adequate, 20% surplus. **Subsoil moisture** was 10% short, 90% adequate. **Potatoes** were 50% in bloom. **First cutting hay harvest** was 65% complete. **Condition of hay** was listed as 10% poor, 35% fair, 45% good, 10% 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 **2.0 days suitable for fieldwork last week**. **Topsoil moisture and subsoil moisture** were both reported at 80% adequate, 20% surplus. **Potatoes** were 40% in bloom. **First cutting hay harvest** remained at 30% complete. **Condition of hay** was listed as 50% poor, 30% fair, 15% good, 5% 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> <u>(inches)</u>
	2010	2009	2008	2010	2009	2008	High	Low	
UAF-AFES, Trunk Road	61	60	58	59	54	55	71	46	0.37
Sawmill Creek	56	53	48	na	na	na	84	46	0.18
Plant Materials Center	54	na	na	na	na	na	75	44	0.41

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 August 2, 2010
 To: Sunday August 8, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - August 8, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	83	51	66	+7	0.22	3	5.13	+0.92	40	963	+164	1896
Fairbanks/Eiels	84	50	64	+6	0.49	2	6.52	+1.22	38	809	+54	1708
Nenana_Muni_AM	83	50	65	+7	0.10	3	6.34	+2.35	43	829	+144	1744
Ftgreely/Allen	84	52	65	+8	0.13	3	7.01	+0.45	45	789	+96	1680
Healy_River_Air	79	52	64	+8	0.19	4	3.66	-2.69	57	695	+137	1589
Gulkana_Arpt_A	80	47	60	+5	0.24	2	4.76	+0.33	45	389	+10	1235
Sutton	64	45	55	-2	0.65	6	5.89	+0.69	70	271	-112	1120
Palmer_Municipa	70	47	58	+0	0.40	6	5.18	+0.59	44	473	-31	1405
Talkeetna	73	50	60	+3	0.59	4	7.89	-0.47	54	492	-26	1380
Willow_Airport	69	51	59	+0	0.64	5	5.96	+1.90	62	575	+79	1519
Anchorage_Intl	68	49	57	-2	1.06	5	5.16	+1.03	37	439	-59	1326
Kenai_Municipal	69	49	58	+4	0.79	6	6.15	+1.79	49	416	+144	1305
Homer	62	46	54	-2	0.83	5	5.45	+1.49	42	109	-123	840
Kodiak	67	44	55	-2	0.27	6	17.09	+0.32	72	147	-89	905

For more weather information visit www.awis.com
 or call 1-888-798-9955.

Copyright 2010: Agricultural Weather Information Service, Inc.
 All rights reserved.

Alaska Agricultural Statistics Service
 PO Box 799
 Palmer, AK 99645