

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
Palmer, AK 99645

RELEASED: August 16, 2010

GENERAL: There were **4.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 10% short, 85% adequate, 5% surplus. **Subsoil moisture** supplies were 20% short, 80% adequate. **Barley** was reported as 40% ripe, with harvest just beginning in Fairbanks. **Oats** were 30% turning color. **Potatoes** were 55% in bloom. **First cutting hay harvest** was 85% complete; second cutting hay was just underway in Delta Junction. **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, 40% good, 25% excellent. **Condition of potatoes** was 20% fair, 50% good, 30% excellent. **Range and pasture condition** was 5% poor, 25% fair, 45% good, 25% excellent. **Rate of crop growth** was 25% slow, 55% moderate, 20% rapid. **Wind and rain damage to crops** was reported as 90% none, 10% light. The main **farm activities** for the week were hay, grass seed and vegetable harvest, weed control, preparing for grain harvest.

CROP WEATHER SUMMARY August 9 – August 15, 2010		
DAYS SUITABLE FOR FIELDWORK: 4.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	10%	20%
ADEQUATE	85%	80%
SURPLUS	5%	0%
PAN EVAPORATION FOR 08/9 - 08/15* MAT AES SITE: -0.158		

TANANA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** was 30% short, 70% adequate. **Barley** was reported as 45% ripe with harvest just underway in Fairbanks. **Oats** were 30% turning color. **Potatoes** were 50% in bloom. **First cutting hay harvest** was 99% complete; second cutting was just underway. **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, 30% good, 50% excellent. **Wind and rain damage to crops** was 95% none, 5% light. **Farm activities** for the week included hay harvest, CRP maintenance, preparing for grain harvest.

MATANUSKA VALLEY: An average of **4.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 80% adequate, 20% surplus. **Subsoil moisture** was 10% short, 90% adequate. **Potatoes** were 55% in bloom. **First cutting hay harvest** was 70% complete. **Condition of hay** was listed as 15% poor, 40% fair, 45% good. **Condition of potatoes** was 20% fair, 60% good, 20% excellent. **Wind and rain damage to crops** was reported as 85% none, 15% 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 100% adequate. **Potatoes** were 75% in bloom. **First cutting hay harvest** remained at 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 50% none, 30% light, 20% 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	60	59	59	59	57	60	71	48	0.55
Sawmill Creek	57	51	49	na	na	na	81	35	0.01
Plant Materials Center	55	na	53	na	na	na	74	46	0.28

***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 9, 2010
 To: Sunday August 15, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - August 15, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F BASE		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
-----	--	--	--	--	-----	---	-----	-----	-----	-----	-----	
Fairbanks Intl	80	48	60	+3	0.19	2	5.32	+0.69	42	1038	+188	2041
Fairbanks/Eiels	79	42	58	+2	0.11	3	6.63	+0.77	41	868	+63	1837
Nenana Muni AM	78	48	60	+4	0.48	3	6.82	+2.34	46	899	+169	1884
Ftgreely/Allen	80	46	60	+4	0.03	2	7.04	-0.03	47	860	+120	1821
Healy River Air	73	45	58	+3	0.24	5	3.90	-3.01	62	754	+157	1718
Gulkana Arpt A	76	41	56	+2	0.17	3	4.93	+0.08	48	431	+18	1347
Sutton	66	45	54	-2	0.53	6	6.42	+0.66	76	302	-118	1221
Palmer Municipa	70	47	57	+0	0.45	6	5.63	+0.55	50	522	-28	1524
Talkeetna	71	51	56	+0	1.50	7	9.39	+0.02	61	539	-24	1497
Willow Airport	68	50	56	-2	0.63	7	6.59	+1.97	69	622	+72	1636
Anchorage Intl	66	49	57	-1	0.74	6	5.90	+1.11	43	488	-60	1445
Kenai Municipal	68	53	58	+5	0.56	7	6.71	+1.79	56	475	+168	1434
Homer	66	47	55	+1	0.41	3	5.86	+1.44	45	143	-119	944
Kodiak	66	44	54	-2	2.01	4	19.10	+1.44	76	178	-99	1006

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