

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: July 20, 2009

GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 35% short, 65% adequate. **Subsoil moisture** supplies were listed as 20% short, 80% adequate. **Barley** was reported as 5% turning color, mostly in the Fairbanks area. **Oats** were 90% headed. Condition of the barley crop was rated as 5% fair, 55% good, 40% excellent. Condition of the oat crop was rated as 70% good, 30% excellent. **Potatoes** were reported as 10% in bloom. Condition of the potato crop was 15% fair, 55% good, 30% excellent. **First cutting of hay** was reported as 95% complete. Condition of the hay crop was rated as 5% poor, 30% fair, 45% good, 20% excellent. **Rate of crop growth** was reported as 10% slow, 40% moderate, 50% rapid. **Wind or rain damage** was 95% none, 5% light. The main **farm activities** were harvesting hay, irrigation, fertilizing, machinery maintenance.

CROP WEATHER SUMMARY July 13 - July 19, 2009		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	35%	20%
ADEQUATE	65%	80%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/13 - 07/19 MAT AES SITE: 1.054		

TANANA VALLEY: An average of **6.5 days was suitable for fieldwork**. **Topsoil moisture** was reported as 35% short, 65% adequate. **Subsoil moisture** was reported as 15% short, 85% adequate. **Barley** was reported as 5% turning color. **Oats** were 90% headed. **Condition of the barley crop** was rated as 5% fair, 55% good, 40% excellent. **Condition of the oat crop** was rated as 60% good, 40% excellent. **Potatoes** were 10% in bloom. **First cutting of hay** was reported as 95% complete. **Condition of the hay crop** was listed as 5% poor, 35% fair, 35% good, 25% excellent. **Rate of crop growth** was 15% slow, 35% moderate, 50% rapid. **Farm activities** for the week included harvesting hay, irrigating, fertilizing hay, disking, weed control, CRP maintenance.

MATANUSKA VALLEY: An average of **6.0 days was suitable for fieldwork** as little rain fell again this week. **Topsoil and subsoil moisture** were both reported as 25% short, 75% adequate. **Potatoes** were reported as 15% in bloom. **First cutting of hay** was reported as 95% complete. **Condition of the hay crop** was listed at 15% fair, 70% good, 15% excellent. **Rate of crop growth** was reported as 40% moderate, 60% rapid. **Farm activities** for the week included fertilizing hay fields, irrigating crops, harvesting hay, grass seed and vegetables.

KENAI PENINSULA: There were **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 40% short, 60% adequate. **Subsoil moisture** was reported as 25% short, 75% adequate. **First cutting of hay** was 60% complete. **Condition of the hay crop** was listed as 20% poor, 30% fair, 20% good, 30% excellent. **Rate of crop growth** was reported as 15% slow, 50% moderate, 35% rapid. **Farm activities** for the week were harvesting 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>
	2009	2008	2007	2009	2008	2007	High	Low	
UAF-AFES, Trunk Road	na	na	60	na	na	58	75	47	0.51
Sawmill Creek	55	51	57	na	na	na	85	38	0.37
Plant Materials Center	56	53	55	na	na	na	70	44	0.39

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 13, 2009
 To: Sunday July 19, 2009

STATION	LAST WEEK WEATHER SUMMARY						May 1, 09 - July 19, 09 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	88	46	65	+3	0.04	1	1.76	-1.25	13	733	+147	1457
Fairbanks/Eiels	86	41	62	+0	0.04	1	3.46	-0.27	23	556	+7	1234
Nenana Muni AM	88	42	63	+2	0.00	0	3.23	+0.64	21	570	+72	1263
Ftgreely/Allen	86	47	64	+3	0.81	1	4.77	-0.09	25	559	+59	1254
Healy River Air	82	48	64	+5	0.18	2	3.74	-0.99	34	449	+56	1110
Gulkana Arpt A	83	39	62	+5	0.06	3	2.44	-0.79	25	387	+139	1055
Sutton	70	45	58	+2	0.13	4	3.10	-0.51	35	252	+2	912
Palmer Municipa	75	49	61	+4	0.13	1	0.61	-2.58	8	417	+68	1170
Talkeetna	80	50	63	+5	0.22	2	3.19	-2.70	17	464	+114	1164
Willow Airport	73	55	64	+6	0.10	3	2.44	-0.22	29	610	+291	1374
Anchorage Intl	71	49	60	+2	0.03	2	1.00	-1.66	14	344	+14	1055
Kenai Municipal	71	45	57	+3	0.07	1	1.70	-1.32	14	231	+65	911
Homer	66	44	55	+2	0.06	1	1.29	-1.57	18	103	-29	669
Kodiak	70	48	57	+3	0.34	2	8.12	-6.23	33	148	+18	720

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

Copyright 2009: Agricultural Weather Information Service, Inc.
 All rights reserved.