

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

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GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 60% short, 40% adequate. **Subsoil moisture** supplies were listed as 30% short, 70% adequate. **Barley** was reported as 10% turning color. **Oats** were 25% in the dough stage. Condition of the barley crop was rated as 5% fair, 60% good, 35% excellent. Condition of the oat crop was rated as 5% fair, 70% good, 25% excellent. **Potatoes** were reported as 55% 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, 45% fair, 30% good, 20% excellent. **Rate of crop growth** was reported as 25% slow, 40% moderate, 35% rapid. **Wind or rain damage** was 95% none, 5% light. The main **farm activities** were fertilizing hay fields, irrigation, machinery maintenance.

CROP WEATHER SUMMARY July 20 - July 26, 2009		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	60%	30%
ADEQUATE	40%	70%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/20 - 07/26 MAT AES SITE: 0.977		

TANANA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 80% short, 20% adequate. **Subsoil moisture** was reported as 30% short, 70% adequate. **Barley** was reported as 10% turning color. **Oats** were 25% in dough. **Condition of the barley crop** was rated as 5% fair, 60% good, 35% excellent. **Condition of the oat crop** was rated as 10% fair, 60% good, 30% excellent. **Potatoes** were 50% in bloom. **First cutting of hay** was reported as 95% complete. **Condition of the hay crop** was listed as 5% poor, 55% fair, 15% good, 25% excellent. **Rate of crop growth** was 35% slow, 30% moderate, 35% rapid. No **wind or rain damage** was reported. **Farm activities** for the week included irrigating, fertilizing hay, disking, hilling potatoes, CRP maintenance.

MATANUSKA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 30% short, 70% adequate. **Potatoes** were reported as 60% in bloom. **First cutting of hay** was reported as 99% complete. **Condition of the hay crop** was listed at 35% fair, 50% good, 15% excellent. **Rate of crop growth** was reported as 5% slow, 50% moderate, 45% rapid. **Wind or rain damage** was 95% none, 5% light. **Farm activities** for the week included weed control irrigating, harvesting hay, grass seed and vegetables.

KENAI PENINSULA: There were **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moisture** was reported as 10% short, 90% adequate. **Potatoes** were 15% in bloom. **First cutting of hay** was 75% complete. **Condition of the hay crop** was listed as 15% poor, 15% fair, 55% good, 15% excellent. **Rate of crop growth** was reported as 25% slow, 75% moderate. **Wind or rain damage** was 95% none, 5% light. **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 (inches)</u>
	2009	2008	2007	2009	2008	2007	High	Low	
UAF-AFES, Trunk Road	58	59	64	58	57	64	69	50	0.03
Sawmill Creek	53	50	56	na	na	na	78	33	0.00
Plant Materials Center	54	53	57	na	na	na	69	49	0.90

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 20, 2009
 To: Sunday July 26, 2009

STATION	LAST WEEK WEATHER SUMMARY						May 1, 09 - July 26, 09 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	80	46	63	+1	0.00	0	1.76	-1.67	13	824	+153	1618
Fairbanks/Eiels	79	41	60	-2	0.21	3	3.67	-0.59	26	631	+1	1379
Nenana Muni AM	78	44	61	+2	0.00	0	3.23	+0.15	21	651	+78	1414
Ftgreely/Allen	73	50	62	+2	0.03	1	4.80	-0.69	26	645	+69	1410
Healy River Air	70	51	59	+0	0.30	7	4.04	-1.25	41	514	+56	1245
Gulkana Arpt A	68	43	56	-2	0.13	2	2.57	-1.08	27	429	+132	1167
Sutton	64	43	54	-4	1.85	7	4.95	+0.79	42	280	-19	1010
Palmer Municipa	71	48	57	-2	0.00	0	0.61	-3.07	8	471	+66	1294
Talkeetna	70	48	59	-1	0.84	7	4.03	-2.65	24	527	+114	1297
Willow Airport	66	50	59	-1	1.26	7	3.70	+0.60	36	674	+292	1508
Anchorage Intl	64	50	57	-2	0.50	5	1.50	-1.60	19	395	+2	1176
Kenai Municipal	67	49	58	+3	0.44	5	2.14	-1.30	19	285	+80	1035
Homer	61	47	54	-1	0.44	5	1.73	-1.48	23	134	-33	770
Kodiak	62	49	53	-3	4.61	7	12.73	-2.48	40	168	+3	810

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