

# 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 50% short, 50% adequate. **Subsoil moisture** supplies were listed as 30% short, 70% adequate. **Barley** was reported as 35% turning color. **Oats** were 5% turning color. 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 reported as 75% in bloom. Condition of the potato crop was 15% fair, 55% good, 30% excellent. **First cutting of hay** was reported as 100% complete. Condition of the hay crop was rated as 5% poor, 50% fair, 35% good, 10% excellent. **Rate of crop growth** was reported as 35% slow, 55% moderate, 10% 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 27 - August 2, 2009		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	50%	30%
ADEQUATE	50%	70%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/27 - 08/02 MAT AES SITE: 0.576		

**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 35% turning color. **Oats** were 5% turning color. **Condition of the barley crop** was rated as 5% fair, 55% good, 40% excellent. **Condition of the oat crop** was rated as 10% fair, 50% good, 40% excellent. **Potatoes** were 75% in bloom. **First cutting of hay** was reported as 100% complete. **Condition of the hay crop** was listed as 10% poor, 30% fair, 40% good, 20% excellent. **Rate of crop growth** was 35% slow, 50% moderate, 15% rapid. **Wind or rain damage** was 95% none, 5% light. **Farm activities** for the week included irrigating, fertilizing hay, disking, CRP maintenance.

**MATANUSKA VALLEY:** An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** were reported as 20% short, 80% adequate. **Subsoil moisture** was reported as 35% short, 65% adequate. **Potatoes** were reported as 75% in bloom. **First cutting of hay** was reported as 100% complete. **Condition of the hay crop** was listed at 35% fair, 50% good, 15% excellent. **Rate of crop growth** was reported as 30% slow, 60% moderate, 10% 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 **1.0 days was suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 100% adequate. **Potatoes** were 30% in bloom. **First cutting of hay** was 80% complete. **Condition of the hay crop** was listed as 25% poor, 35% fair, 25% good, 15% excellent. **Rate of crop growth** was reported as 20% slow, 80% moderate. **Wind or rain damage** was 90% none, 10% light. **Farm activities** for the week were harvesting hay, equipment maintenance.

## Soil Temperatures (F<sup>0</sup>) 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	59	57	60	56	61	57	73	39	0.11
Sawmill Creek	54	48	55	na	na	na	85	30	0.00
Plant Materials Center	53	55	55	na	na	na	73	34	0.08

**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 27, 2009  
 To: Sunday August 2, 2009

STATION	LAST WEEK WEATHER SUMMARY						May 1, 09 - August 2, 09 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	81	44	66	+6	0.02	1	1.78	-2.07	14	938	+193	1802
Fairbanks/Eiels	81	41	64	+5	0.07	1	3.74	-1.08	27	732	+29	1550
Nenana Muni AM	82	38	64	+6	0.00	0	3.23	-0.34	21	753	+114	1586
Ftgreely/Allen	78	40	65	+6	0.00	0	4.80	-1.28	26	754	+111	1589
Healy River Air	72	46	62	+4	0.07	3	4.11	-1.76	44	597	+81	1398
Gulkana Arpt A	81	31	61	+5	0.01	1	2.58	-1.49	28	505	+161	1312
Sutton	66	46	56	+0	0.90	7	5.85	+1.13	49	326	-21	1126
Palmer Municipa	71	43	60	+2	0.06	2	0.67	-3.50	10	542	+81	1435
Talkeetna	72	40	59	+2	0.40	4	4.43	-3.12	28	595	+122	1435
Willow Airport	70	52	60	+2	0.87	6	4.57	+0.98	42	744	+299	1648
Anchorage Intl	67	44	57	-2	0.63	4	2.13	-1.49	23	448	-2	1299
Kenai Municipal	70	39	56	+1	0.62	5	2.76	-1.17	24	327	+85	1146
Homer	66	38	54	-2	0.44	5	2.17	-1.43	28	168	-34	872
Kodiak	64	42	53	-3	3.15	5	15.88	-0.17	45	191	-9	903

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