

ALASKA CROP-WEATHER

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



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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P.O. Box 799
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GENERAL: There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were listed as 30% short, 70% adequate. **Barley** was reported as 5% harvested. **Oats** were 30% ripe. 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 80% in bloom. Condition of the potato crop was 20% fair, 50% good, 30% excellent. **Second cutting of hay** was 10% complete. Condition of the hay crop was rated as 15% poor, 40% fair, 45% good. **Range and pasture** condition was reported as 20% poor, 30% fair, 40% good, 10% excellent. **Rate of crop growth** was reported as 40% slow, 60% moderate. **Wind or rain damage** was 95% none, 5% light. The main **farm activities** were machinery maintenance, harvesting hay, native grasses, vegetables.

CROP WEATHER SUMMARY August 10 - August 16, 2009		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	10%	30%
ADEQUATE	90%	70%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/10 - 08/16 MAT AES SITE: 0.559		

TANANA VALLEY: An average of **4.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** was reported as 40% short, 60% adequate. **Barley** was reported as 5% harvested. **Oats** were 30% ripe. **Condition of the barley crop** was rated as 5% fair, 60% good, 35% excellent. **Condition of the oat crop** was rated as 10% fair, 50% good, 40% excellent. **Potatoes** were 75% in bloom. **Second cutting of hay** was underway. **Condition of the hay crop** was listed as 20% poor, 40% fair, 40% good. **Rate of crop growth** was 50% slow, 50% moderate. **Wind or rain damage** was 90% none, 10% light. **Farm activities** for the week included preparing machinery for grain harvest, harvesting hay, baling straw.

MATANUSKA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 100% adequate. **Subsoil moisture** was reported as 20% short, 80% adequate. **Potatoes** were reported as 80% in bloom. **Second cutting of hay** was underway. **Condition the hay crop** was listed at 10% poor, 40% fair, 50% good. **Rate of crop growth** was reported as 40% slow, 60% moderate. **Wind or rain damage** was 95% none, 5% light. **Farm activities** for the week included weed control, harvesting hay, grass seed and vegetables.

KENAI PENINSULA: There were **5.0 days was suitable for fieldwork**. **Topsoil and subsoil moisture** were both reported as 100% adequate. **Potatoes** were 85% in bloom. **First cutting of hay** was 90% complete, second cutting was also underway. **Condition of the hay crop** was listed as 25% poor, 35% fair, 25% good, 15% excellent. **Rate of crop growth** was reported as 10% slow, 80% moderate, 10% rapid. No **wind or rain damage** was reported. **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	59	59	60	57	60	57	71	42	0.64
Sawmill Creek	51	49	na	na	na	na	66	30	0.67
Plant Materials Center	na	53	55	na	na	na	na	na	na

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 10, 2009
 To: Sunday August 16, 2009

STATION	LAST WEEK WEATHER SUMMARY						May 1, 09 - August 16, 09			GDD		
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F	BASE 40F	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	67	35	52	-6	0.71	4	3.16	-1.53	22	1043	+187	2044
Fairbanks/Eiels	64	30	50	-8	0.97	3	5.50	-0.43	33	805	-6	1751
Nenana_Muni_AM	67	34	51	-6	0.69	4	4.59	+0.05	28	847	+112	1814
Ftgreely/Allen	65	35	51	-6	0.77	3	5.84	-1.30	31	842	+96	1807
Healy_River_Air	62	34	50	-6	1.02	4	5.70	-1.29	51	687	+85	1615
Gulkana_Arpt_A	65	33	51	-4	0.91	5	3.94	-0.97	37	560	+143	1497
Sutton	64	36	52	-4	1.20	5	7.55	+1.71	58	381	-44	1315
Palmer_Municipa	71	44	55	-2	0.65	2	1.43	-3.72	14	637	+81	1670
Talkeetna	71	43	55	-2	2.21	4	7.24	-2.28	35	683	+114	1663
Willow_Airport	70	46	57	+0	0.99	4	6.08	+1.38	50	857	+300	1901
Anchorage_Intl	69	49	58	+1	1.00	3	3.48	-1.41	30	551	-4	1542
Kenai_Municipal	73	42	56	+2	0.96	4	4.02	-0.98	29	410	+99	1369
Homer	64	42	55	+1	1.02	3	3.44	-1.05	32	220	-46	1063
Kodiak	72	44	56	+1	0.30	3	19.39	+1.59	51	258	-24	1110

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