

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 **5.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were 20% short, 80% adequate. **Barley** was reported as 20% in dough. **Oats** were 50% headed. **Potatoes** were 100% emerged. **Hay harvest** was 55% complete. **Condition of barley** was listed as 30% fair, 30% good, 40% excellent. **Condition of oats** was listed as 20% fair, 55% good, 25% excellent. **Condition of hay** was listed as 10% poor, 25% fair, 60% good, 5% excellent. **Condition of potatoes** was 20% fair, 50% good, 30% excellent. **Rate of crop growth** was 70% moderate, 30% rapid. No **wind and rain damage to crops** was reported.

The main **farm activities** for the week were weed control, hay and vegetable harvest, equipment maintenance.

CROP WEATHER SUMMARY July 5 - July 11, 2010		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	10%	20%
ADEQUATE	90%	80%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/05 - 07/11 MAT AES SITE: 0.975		

TANANA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 5% short, 95% adequate. **Subsoil moisture supplies** were 25% short, 75% adequate. **Barley** was reported as 20% in dough. **Oats** were 60% headed. **Potatoes** were 100% emerged. **Hay harvest** was 85% complete. **Condition of barley** was listed as 30% fair, 30% good, 40% excellent. **Condition of oats** was listed as 25% fair, 40% good, 35% excellent. **Condition of hay** was listed as 5% poor, 25% fair, 70% good. **Condition of potatoes** was 20% fair, 40% good, 40% excellent. **Rate of crop growth** was 60% moderate, 40% rapid. No **wind and rain damage to crops** was reported. **Farm activities** for the week included hay harvest, weed control, CRP maintenance.

MATANUSKA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture and subsoil moisture** were both reported at 20% short, 80% adequate. **Potatoes** were 100% emerged. **Hay harvest** was 15% complete. **Condition of hay** was listed as 20% poor, 30% fair, 40% good, 10% excellent. **Condition of potatoes** was 20% fair, 60% good, 20% excellent. **Rate of crop growth** was 90% moderate, 10% rapid. No **wind and rain damage to crops** was reported. **Farm activities** for the week included weed control, hay and vegetable harvest, irrigation.

KENAI PENINSULA: There were **4.0 days suitable for fieldwork last week**. **Topsoil moisture and subsoil moisture** were both reported at 100% adequate. **Potatoes** were 85% emerged. **Hay harvest** was 20% complete. **Condition of hay** was listed as 10% poor, 15% fair, 45% good, 30% excellent. **Rate of crop growth** was 90% moderate, 10% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. **Farm activities** for the week included vegetable harvest, 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	59	62	na	59	64	na	76	44	0.25
Sawmill Creek	55	55	50	na	na	na	83	41	0.09
Plant Materials Center	50	57	53	na	na	na	75	43	0.14

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 5, 2010
 To: Sunday July 11, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - July 11, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	85	49	65	+2	0.38	1	2.30	-0.25	26	608	+126	1261
Fairbanks/Eiels	84	46	62	+0	1.02	4	4.81	+1.64	23	494	+42	1113
Nenana_Muni_AM	84	45	62	+2	0.01	1	4.74	+2.66	29	519	+113	1154
Ftgreely/Allen	81	50	62	+2	0.17	3	5.69	+1.55	32	477	+65	1089
Healy_River_Air	80	47	61	+2	0.23	3	2.41	-1.61	36	450	+137	1064
Gulkana_Arpt_A	77	37	55	-2	0.13	4	2.51	-0.25	27	198	+8	767
Sutton	70	44	55	-2	0.66	7	3.30	+0.25	45	152	-42	721
Palmer_Municipa	76	45	57	-1	0.09	3	2.23	-0.40	22	282	-1	934
Talkeetna	76	42	58	-2	0.65	4	3.71	-1.36	33	287	+9	895
Willow_Airport	72	51	58	+0	0.62	7	3.10	+0.90	39	363	+116	1027
Anchorage_Intl	73	46	57	-2	0.37	6	1.45	-0.79	20	251	-9	858
Kenai_Municipal	76	38	56	+2	0.52	6	2.88	+0.31	29	221	+95	830
Homer	62	36	50	-4	0.37	4	1.56	-0.91	26	27	-73	481
Kodiak	63	44	51	-3	2.86	7	14.67	+1.38	54	28	-68	506

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