

# ALASKA CROP-WEATHER



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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

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**RELEASED:** July 6, 2010

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 100% adequate. **Subsoil moisture** supplies were 15% short, 85% adequate. **Barley** was reported as 60% headed. **Oats** were 25% headed. **Potatoes** were 95% emerged. **Hay harvest** was 45% 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 5% slow, 65% moderate, 30% rapid. No **wind and rain damage to crops** was reported. The main **farm activities** for the week were harvesting hay, controlling weeds, cultivating, and maintaining equipment.

CROP WEATHER SUMMARY June 28 - July 4, 2010		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	0%	15%
ADEQUATE	100%	85%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/28 - 07/04 MAT AES SITE: na		

**TANANA VALLEY:** An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 95% adequate, 5% surplus. **Subsoil moisture supplies** were 25% short, 75% adequate. **Barley** was reported as 60% headed. **Oats** were 30% headed. **Potatoes** were 100% emerged. **Hay harvest** was 75% 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 harvesting hay, seeding forage oats, weed control, mowing CRP, disking fallow ground.

**MATANUSKA VALLEY:** An average of **5.0 days was suitable for fieldwork**. **Topsoil and subsoil moisture** was reported at 100% adequate. **Potatoes** were 90% emerged. **Hay harvest** was 5% complete. **Condition of hay** was listed as 25% poor, 30% fair, 35% good, 10% excellent. **Condition of potatoes** was 20% fair, 60% good, 20% excellent. **Rate of crop growth** was 15% slow, 70% moderate, 15% rapid. No **wind and rain damage to crops** was reported. **Farm activities** for the week included weed control, harvesting hay, irrigating.

**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 75% 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 99% none, 1% light. **Farm activities** for the week included planting and harvesting vegetables, harvesting hay, machinery maintenance.

## Soil Temperatures ( F<sup>0</sup> ) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2010	2009	2008	2010	2009	2008	High	Low	
UAF-AFES, Trunk Road	na	61	60	na	63	60	na	na	na
Sawmill Creek	54	50	na	na	na	na	74	42	1.27
Plant Materials Center	50	57	53	na	na	na	67	47	0.50

### 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 June 28, 2010  
 To: Sunday July 4, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - July 4, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	76	50	62	-2	0.24	4	1.92	-0.28	25	504	+113	1087
Fairbanks/Eiels	75	48	60	-3	0.28	2	3.79	+1.11	19	408	+43	957
Nenana_Muni_AM	75	47	61	+0	1.03	4	4.73	+3.07	28	431	+107	996
Ftgreely/Allen	72	50	60	+0	0.80	5	5.52	+2.01	29	389	+54	931
Healy_River_Air	70	48	58	-2	0.35	4	2.18	-1.21	33	370	+127	914
Gulkana_Arpt_A	69	42	53	-4	0.62	4	2.38	+0.01	23	158	+17	657
Sutton	62	45	53	-4	0.46	5	2.64	+0.08	38	113	-36	612
Palmer_Municipa	66	48	55	-3	1.00	6	2.14	-0.07	19	228	+1	810
Talkeetna	66	49	56	-3	0.82	4	3.06	-1.35	29	230	+15	768
Willow_Airport	63	50	56	-2	0.49	5	2.48	+0.63	32	301	+112	895
Anchorage_Intl	65	49	55	-3	0.35	2	1.08	-0.84	14	201	-3	738
Kenai_Municipal	64	50	56	+3	0.42	5	2.36	+0.14	23	178	+86	717
Homer	57	41	51	-3	0.16	3	1.19	-1.00	22	19	-53	406
Kodiak	57	45	51	-2	1.00	7	11.81	-0.48	47	19	-51	429

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