

# ALASKA CROP-WEATHER

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



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

USDA, NASS, Alaska Field Office  
P.O. Box 799  
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**RELEASED:** June 28, 2010

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 15% short, 85% adequate. **Subsoil moisture** supplies were 20% short, 80% adequate. **Barley** was reported as 5% in boot. **Oats** were 5% in boot. **Potatoes** were 70% emerged. **Hay harvest** was 25% complete. **Condition of barley** was listed as 5% poor, 25% fair, 50% good, 20% excellent. **Condition of oats** was listed as 5% poor, 20% fair, 60% good, 15% excellent. **Condition of hay** was listed as 15% poor, 30% fair, 45% good, 10% excellent. **Condition of potatoes** was 20% fair, 65% good, 15% excellent. **Rate of crop growth** was 5% slow, 60% moderate, 35% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. The main **farm activities** for the week were harvesting hay, weed control, fertilizing, machinery maintenance and irrigation.

CROP WEATHER SUMMARY June 21 - June 27, 2010		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	15%	20%
ADEQUATE	85%	80%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/21 - 06/27 MAT AES SITE: 0.088		

**TANANA VALLEY:** An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 20% short, 80% adequate. **Subsoil moisture supplies** were 30% short, 70% adequate. **Barley** was reported as 5% in boot. **Oats** were 5% in boot. **Potatoes** were 80% emerged. **Hay harvest** was 40% complete. **Condition of barley and oats** was listed as 5% poor, 25% fair, 50% good, 20% excellent. **Condition of hay** was listed as 5% poor, 40% fair, 50% good, 5% excellent. **Rate of crop growth** was 70% moderate, 30% rapid. No **wind and rain damage to crops** was reported. **Farm activities** for the week included harvesting hay, seeding forage oats, weed control.

**MATANUSKA VALLEY:** An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 5% short, 95% adequate. **Subsoil moisture** was reported as 10% short, 90% adequate. **Potatoes** were 70% emerged. **Hay harvest** was 5% complete. **Condition of hay** was listed as 30% poor, 25% fair, 35% good, 10% excellent. **Rate of crop growth** was 20% slow, 40% moderate, 40% rapid. **Wind and rain damage to crops** was reported as 90% none, 10% light. **Farm activities** for the week included disking fields, harvesting hay, weed control, fertilizing.

**KENAI PENINSULA:** There were **5.0 days suitable for fieldwork last week**. **Topsoil moisture and subsoil moisture** were both reported at 10% short, 90% adequate. **Potatoes** were 25% 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 80% moderate, 20% rapid. **Wind and rain damage to crops** was reported as 99% none, 1% light. Major **farm activities** for the week included irrigating 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	58	58	na	56	58	na	71	43	0.39
Sawmill Creek	52	46	na	na	na	na	76	43	0.75
Plant Materials Center	58	53	52	na	na	na	71	41	0.66

## 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 21, 2010  
 To: Sunday June 27, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - June 27, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	78	50	63	+2	0.48	4	1.68	-0.17	21	420	+118	933
Fairbanks/Eiels	76	44	60	-1	0.46	3	3.51	+1.32	17	338	+57	817
Nenana_Muni_AM	77	43	60	+1	0.30	4	3.70	+2.40	24	350	+103	845
Ftgreely/Allen	74	48	59	+0	0.60	4	4.72	+1.84	24	317	+55	789
Healy_River_Air	75	46	60	+2	0.26	6	1.83	-0.93	29	314	+134	788
Gulkana_Arpt_A	71	38	54	-2	1.04	5	1.76	-0.19	19	133	+33	562
Sutton	66	36	54	-2	0.20	6	2.18	+0.05	33	91	-18	520
Palmer_Municipa	72	45	57	+1	0.19	4	1.14	-0.65	13	192	+18	704
Talkeetna	74	41	58	+2	0.05	2	2.24	-1.54	25	190	+33	658
Willow_Airport	70	45	57	+2	0.14	3	1.99	+0.46	27	256	+120	780
Anchorage_Intl	69	46	56	+0	0.14	3	0.73	-0.91	12	162	+9	629
Kenai_Municipal	69	39	55	+4	0.13	3	1.94	+0.02	18	135	+71	604
Homer	59	39	49	-3	0.06	2	1.03	-0.88	19	13	-38	331
Kodiak	59	44	51	+0	0.26	3	10.81	-0.40	40	11	-38	353

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