

# ALASKA CROP-WEATHER

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



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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**RELEASED:** June 21, 2010

**GENERAL:** There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 5% short, 95% adequate. **Subsoil moisture** supplies were listed as 35% short, 65% adequate. **Barley** was reported as 5% in boot. **Oats** were reported as 100% pre-boot. **Potatoes** were reported as 45% emerged. **Hay** harvest was just underway. **Condition of barley** was listed as 5% poor, 30% fair, 55% good, 10% excellent. **Condition of oats** was listed as 5% poor, 20% fair, 65% good, 10% excellent. **Condition of all hay** was listed as 10% poor, 30% fair, 50% good, 10% excellent. **Rate of crop growth** was 15% slow, 60% moderate, 25% rapid. No **wind or rain damage** to crops was reported. The main **farm activities** for the week were weed control, cutting hay, equipment maintenance, planting/transplanting vegetables.

CROP WEATHER SUMMARY June 14 – June 20, 2010		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	5%	35%
ADEQUATE	95%	65%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/14 - 06/20 MAT AES SITE: 0.520		

**TANANA VALLEY:** An average of **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 100% adequate. **Subsoil moisture supplies** were 40% short, 60% adequate. **Barley** was reported as 5% in boot, mostly around Fairbanks. **Oats** were reported as 100% pre-boot. **Potatoes** were 60% emerged. **Hay** harvest was underway. **Condition of barley and oats** was listed as 5% poor, 30% fair, 55% good, 10% excellent. **Condition of all hay** was listed as 5% poor, 40% fair, 50% good, 5% excellent. **Rate of crop growth** was 55% moderate, 45% rapid. No **wind or rain damage** to crops was reported. **Farm activities** for the week included seeding forage oats, weed control, cutting hay.

**MATANUSKA VALLEY:** An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was 20% short, 80% adequate. **Subsoil moisture** was reported as 40% short, 60% adequate. Small grains were 100% pre-boot. **Potatoes** were 40% emerged. **Condition of all hay** was listed as 25% poor, 25% fair, 40% good, 10% excellent. **Rate of crop growth** was 25% slow, 75% moderate. No **wind or rain damage** to crops was reported. **Farm activities** for the week included weed control, planting/transplanting vegetables, spraying pesticides.

**KENAI PENINSULA:** There were **5.0 days suitable for fieldwork last week**. **Topsoil and subsoil moisture** were reported both reported at 100% adequate. **Potatoes** were 20% emerged. **Hay** harvest was underway. **Condition of all hay** was listed as 10% poor, 15% fair, 50% good, 25% excellent. **Rate of crop growth** was 80% slow, 20% moderate. **Wind or rain damage** to crops was reported as 95% none, 5% light. Major **farm activities** for the week included cutting hay, planting potatoes, planting/transplanting vegetables.

## 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>
	2010	2009	2008	2010	2009	2008	High	Low	
UAF-AFES, Trunk Road	57	55	55	56	54	53	66	43	0.22
Sawmill Creek	48	48	47	na	na	na	71	41	0.47
Plant Materials Center	42	na	51	na	na	na	67	41	0.49

## 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 14, 2010  
 To: Sunday June 20, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - June 20, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	73	46	57	-4	0.13	1	1.20	-0.30	17	329	+109	772
Fairbanks/Eiels	74	42	56	-4	0.59	1	3.05	+1.31	14	266	+61	675
Nenana_Muni_AM	73	42	57	-3	0.10	3	3.40	+2.43	20	276	+100	701
Ftgreely/Allen	69	43	56	-3	0.67	3	4.12	+1.87	20	251	+53	653
Healy_River_Air	64	44	55	-2	0.20	4	1.57	-0.57	23	245	+120	649
Gulkana_Arpt_A	65	36	51	-4	0.18	3	0.72	-0.81	14	106	+38	465
Sutton	60	43	50	-4	0.61	7	1.98	+0.26	27	62	-14	421
Palmer_Municipa	66	44	53	-3	0.29	4	0.95	-0.49	9	141	+13	583
Talkeetna	63	44	52	-4	0.76	6	2.19	-0.97	23	132	+24	530
Willow_Airport	63	46	53	-2	0.64	6	1.85	+0.60	24	202	+111	656
Anchorage_Intl	64	45	53	-3	0.54	5	0.59	-0.77	9	117	+8	514
Kenai_Municipal	62	42	52	+2	1.19	6	1.81	+0.17	15	97	+54	496
Homer	56	42	48	-3	0.51	5	0.97	-0.70	17	13	-21	268
Kodiak	59	39	49	-1	0.18	4	10.55	+0.50	37	2	-33	276

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