

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
Palmer, AK 99645

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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 listed as 40% short, 60% adequate. **Barley and oats** were both reported as 100% pre-boot. **Potatoes** were reported as 30% emerged, **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, 35% fair, 50% good, 5% excellent. **Rate of crop growth** was 5% slow, 70% moderate, 25% rapid. **Wind or rain damage** to crops was reported as 95% none, 5% light. The main **farm activities** for the week were planting potatoes, weed control, irrigating, preparing for hay harvest.

CROP WEATHER SUMMARY June 7 – June 13, 2010		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	15%	40%
ADEQUATE	85%	60%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/07 - 06/13 MAT AES SITE: 0.885		

TANANA VALLEY: An average of **4.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 95% adequate, 5% surplus. **Subsoil moisture supplies** were 40% short, 60% adequate. **Barley and oats** were both reported as 100% pre-boot. **Potatoes** were 50% emerged. **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, 45% fair, 45% good, 5% excellent. **Rate of crop growth** was 55% moderate, 45% rapid. **Wind or rain damage** to crops was reported as 95% none, 5% light. **Farm activities** for the week included seeding forage oats, weed control, preparing for hay harvest.

MATANUSKA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil and subsoil moisture** were reported both reported at 45% short, 55% adequate. **Potatoes** were 20% emerged. **Condition of all hay** was listed as 25% poor, 25% fair, 50% good. **Rate of crop growth** was 5% slow, 90% moderate, 5% rapid. No **wind or rain damage** to crops was reported. **Farm activities** for the week included planting potatoes and vegetables, disking fields, weed control, irrigating.

KENAI PENINSULA: There were **6.0 days suitable for fieldwork last week**. **Topsoil and subsoil moisture** were reported both reported at 5% short, 95% adequate. **Potatoes** were 5% emerged. **Condition of all hay** was listed as 10% poor, 15% fair, 45% good, 30% excellent. **Rate of crop growth** was 95% moderate, 5% rapid. **Wind or rain damage** to crops was reported as 99% none, 1% light. Major **farm activities** for the week included preparing for hay harvest, planting potatoes and vegetables.

Soil Temperatures (F⁰) 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	56	56	53	60	57	53	65	40	0.03
Sawmill Creek	na	46	42	na	na	na	na	na	na
Plant Materials Center	63	51	50	na	na	na	67	36	0.00

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 7, 2010
 To: Sunday June 13, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - June 13, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	71	48	57	-2	0.45	4	1.07	-0.08	16	275	+128	648
Fairbanks/Eiels	70	44	55	-4	0.89	5	2.46	+1.14	13	221	+83	560
Nenana_Muni_AM	70	46	56	-2	0.76	5	3.30	+2.61	17	226	+110	581
Ftgreely/Allen	67	42	53	-4	1.40	5	3.45	+1.80	17	209	+66	541
Healy_River_Air	66	43	54	-1	0.46	5	1.37	-0.21	19	205	+126	539
Gulkana_Arpt_A	68	36	51	-2	0.22	2	0.54	-0.63	11	94	+51	387
Sutton	62	39	50	-3	0.14	4	1.37	+0.00	20	56	+7	347
Palmer_Municipa	66	41	53	-2	0.00	0	0.66	-0.47	5	117	+29	489
Talkeetna	67	36	52	-3	0.27	4	1.43	-1.17	17	113	+45	442
Willow_Airport	64	45	55	+2	0.09	3	1.21	+0.22	18	177	+123	561
Anchorage_Intl	65	43	53	-1	0.01	1	0.05	-1.04	4	97	+24	424
Kenai_Municipal	67	34	51	+2	0.00	0	0.62	-0.74	9	81	+53	410
Homer	57	36	47	-3	0.06	2	0.46	-1.00	12	13	-7	210
Kodiak	61	36	47	-2	1.46	7	10.37	+1.56	33	2	-21	212

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