

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 7, 2010

GENERAL: There were **6.0 days suitable for fieldwork** last week as rain fell in many locations. **Topsoil moisture** supplies were reported as 60% short, 40% adequate. **Subsoil moisture** supplies were listed as 30% short, 70% adequate. **Barley** was reported as 99% emerged. **Oats** were 80% emerged. **Potato** planting was 95% complete statewide with a few fields starting to emerge. **Condition of barley** was listed as 5% poor, 50% fair, 45% good. **Condition of oats** was listed as 10% poor, 30% fair, 60% good. **Condition of all hay** was listed as 15% poor, 35% fair, 45% good, 5% excellent. **Rate of crop growth** was 30% slow, 55% moderate, 15% rapid. No **wind or rain damage** to crops was reported. The main **farm activities** for the week were seeding small grains, planting potatoes, weed control, irrigating.

CROP WEATHER SUMMARY May 31 – June 6, 2010		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	60%	30%
ADEQUATE	40%	70%
SURPLUS	0%	0%
PAN EVAPORATION FOR 05/31 - 06/06 MAT AES SITE: 0.624		

TANANA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 85% short, 15% adequate. **Subsoil moisture supplies** were 45% short, 55% adequate. **Barley** was reported as 100% emerged. **Oats** were 90% emerged. **Potato** planting was 95% complete with some fields starting to emerge. **Condition of all hay** was listed as 10% poor, 45% fair, 45% good. **Farm activities** for the week included seeding small grains, planting potatoes, weed control, irrigating.

MATANUSKA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 25% short, 75% adequate. **Subsoil moisture** was reported as 25% short, 75% adequate. **Potato** planting was 99% complete with some fields just starting to emerge. **Condition of all hay** was listed as 20% poor, 30% fair, 40% good, 10% excellent. **Farm activities** for the week included planting potatoes and vegetables, disking fields, weed control, seeding small grains, irrigating.

KENAI PENINSULA: There were **7.0 days suitable for fieldwork last week**. **Topsoil moisture** was reported at 15% short, 85% adequate. **Subsoil moisture** was reported at 5% short, 95% adequate. **Potato** planting was 75% complete. **Condition of all hay** was listed as 10% poor, 20% fair, 35% good, 35% excellent. Major **farm activities** for the week included fertilizing hay, planting/transplanting vegetables.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip (inches)</u>
	2010	2009	2008	2010	2009	2008	High	Low	
UAF-AFES, Trunk Road	56	54	49	56	59	52	75	36	0.59
Sawmill Creek	45	45	39	na	na	na	80	35	0.70
Plant Materials Center	na	na	na	na	na	na	73	35	0.73

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 May 31, 2010
 To: Sunday June 6, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - June 6, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	80	47	61	+6	0.15	4	0.62	-0.22	12	225	+138	528
Fairbanks/Eiels	80	42	59	+4	0.61	2	1.57	+0.62	8	185	+102	454
Nenana_Muni_AM	80	47	60	+6	1.86	3	2.54	+2.07	12	184	+118	469
Ftgreely/Allen	77	46	59	+5	0.73	3	2.05	+0.92	12	183	+86	448
Healy_River_Air	75	42	58	+6	0.50	4	0.91	-0.17	14	169	+127	436
Gulkana_Arpt_A	76	31	53	+4	0.07	2	0.32	-0.51	9	81	+56	309
Sutton	72	34	52	+2	0.38	5	1.23	+0.17	16	53	+25	277
Palmer_Municipa	74	41	56	+4	0.58	2	0.66	-0.19	5	95	+39	397
Talkeetna	75	38	54	+3	0.46	4	1.16	-0.90	13	98	+61	360
Willow_Airport	72	41	57	+6	0.37	5	1.12	+0.34	15	141	+113	455
Anchorage_Intl	73	42	55	+4	0.01	1	0.04	-0.84	3	74	+30	331
Kenai_Municipal	75	39	56	+8	0.28	4	0.62	-0.51	9	69	+53	332
Homer	62	41	51	+4	0.09	4	0.40	-0.85	10	13	+0	161
Kodiak	55	44	48	+2	3.45	7	8.91	+1.42	26	1	-15	164

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