

# 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

**RELEASED:** August 30, 2010

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 95% adequate, 5% surplus. **Subsoil moisture** supplies were 25% short, 75% adequate. **Barley** was reported as 25% harvested. **Oats** were 10% harvested. **Potato** harvest was just underway. **First cutting hay harvest** was 95% complete; second cutting hay was 30% complete. **Condition of barley** was listed as 20% fair, 30% good, 50% excellent. **Condition of oats** was listed as 10% fair, 40% good, 50% excellent. **Condition of hay** was listed as 10% poor, 30% fair, 35% good, 25% excellent. **Condition of potatoes** was 20% fair, 50% good, 30% excellent. **Range and pasture condition** was 5% poor, 30% fair, 55% good, 10% excellent. No **wind and rain damage to crops** was reported. The main **farm activities** for the week were hay, small grain, and vegetable harvest, weed control, equipment maintenance.

CROP WEATHER SUMMARY August 23 – August 29, 2010		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	0%	25%
ADEQUATE	95%	75%
SURPLUS	5%	0%
PAN EVAPORATION FOR 08/23 - 08/29* MAT AES SITE: -0.147		

**TANANA VALLEY:** An average of **4.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was 35% short, 65% adequate. **Barley** was reported as 25% harvested. **Oats** were 10% harvested. **Potato** harvest was just underway. **First cutting hay harvest** was 99% complete; second cutting was 50% complete. **Condition of barley** was listed as 20% fair, 30% good, 50% excellent. **Condition of oats** was listed as 15% fair, 25% good, 60% excellent. **Condition of hay** was listed as 20% fair, 35% good, 45% excellent. **Condition of potatoes** was 20% fair, 30% good, 50% excellent. **Wind and rain damage to crops** was 100% none. **Farm activities** for the week included small grain and hay harvest, disk stubble, preparation for grain harvest.

**MATANUSKA VALLEY:** An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was 10% short, 90% adequate. **Potato** harvest was just underway. **First cutting hay harvest** was 90% complete; second cutting was just underway. **Condition of hay** was listed as 15% poor, 45% fair, 40% good. **Condition of potatoes** was 20% fair, 65% good, 15% excellent. **Wind and rain damage to crops** was reported as 95% none, 5% light. **Farm activities** for the week included weed control, hay and vegetable harvest, drying seed, equipment repair.

**KENAI PENINSULA:** There were **5.0 days suitable for fieldwork last week**. **Topsoil moisture and subsoil moisture** were both reported at 100% adequate. **Potato** harvest was just underway. **First cutting hay harvest** was 75% complete. **Condition of hay** was listed as 50% poor, 30% fair, 20% good. **Condition of potatoes** was 15% poor, 20% fair, 40% good, 25% excellent. No **wind and rain damage to crops** was reported. **Farm activities** for the week included harvesting hay, equipment maintenance.

**\*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

## 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	58	57	56	54	54	56	77	42	0.71
Sawmill Creek	52	490	49	na	na	na	69	32	0.98
Plant Materials Center	51	na	54	na	na	na	73	39	0.32

Weather Summary For Alaska Agricultural Statistics Service  
Prepared By AWIS.com from NWS preliminary data

For the Period:      Monday      August 23, 2010  
                         To:              Sunday      August 29, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - August 29, 10					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
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Fairbanks_Intl	69	40	54	+2	0.83	3	6.22	+0.85	47	1139	+223	2282
Fairbanks/Eiels	68	30	51	-3	1.02	4	7.71	+0.89	47	933	+62	2039
Nenana_Muni_AM	70	33	52	+0	0.59	3	7.50	+2.22	51	972	+187	2097
Ftgreely/Allen	66	39	52	-2	0.70	6	7.77	-0.16	54	925	+116	2026
Healy_River_Air	66	36	51	-2	0.42	3	4.47	-3.49	69	800	+150	1903
Gulkana_Arpt_A	68	28	51	+1	0.29	3	5.32	-0.33	54	478	+17	1530
Sutton	66	39	53	+1	0.63	3	7.28	+0.29	83	355	-122	1414
Palmer_Municipa	73	41	55	+2	0.60	5	6.46	+0.30	59	605	-17	1747
Talkeetna	74	41	56	+4	1.69	3	11.98	+0.48	69	623	-5	1721
Willow_Airport	72	45	57	+2	0.77	3	7.58	+1.72	75	717	+89	1871
Anchorage_Intl	68	46	56	+3	1.12	3	7.12	+0.93	48	582	-44	1679
Kenai_Municipal	73	41	55	+3	0.20	5	7.16	+0.95	63	562	+203	1661
Homer	68	41	52	-1	0.19	4	6.47	+0.91	53	170	-144	1104
Kodiak	71	48	57	+3	0.47	3	20.29	+0.39	82	272	-70	1240

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