

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: August 23, 2010

GENERAL: There were **5.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 10% short, 90% adequate. **Subsoil moisture** supplies were 25% short, 75% adequate. **Barley** was reported as 20% harvested. **Oats** were 15% ripe. **First cutting hay harvest** was 85% complete; second cutting hay was 10% complete, mostly in the Tanana Valley. **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, 25% fair, 40% good, 25% excellent. **Condition of potatoes** was 20% fair, 50% good, 30% excellent. **Range and pasture condition** was 5% poor, 35% fair, 50% good, 10% excellent. **Rate of crop growth** was 20% slow, 60% moderate, 20% rapid. **Wind and rain damage to crops** was reported as 95% none, 5% light. The main **farm activities** for the week were hay, barley, and vegetable harvest, weed control, equipment maintenance.

CROP WEATHER SUMMARY August 16 – August 22, 2010		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	10%	25%
ADEQUATE	90%	75%
SURPLUS	0%	0%
PAN EVAPORATION FOR 08/16 - 08/22* MAT AES SITE: 0.209		

TANANA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** was 40% short, 60% adequate. **Barley** was reported as 20% harvested. **Oats** were 15% ripe. **First cutting hay harvest** was 99% complete; second cutting was 20% 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 barley, straw and hay harvest, CRP maintenance, mowing and chopping forage oats.

MATANUSKA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 5% short, 90% adequate, 5% surplus. **Subsoil moisture** was 15% short, 85% adequate. **First cutting hay harvest** was 75% complete. **Condition of hay** was listed as 15% poor, 40% fair, 45% 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, equipment repair.

KENAI PENINSULA: There were **3.0 days suitable for fieldwork last week**. **Topsoil moisture and subsoil moisture** were both reported at 100% adequate. **First cutting hay harvest** was 40% complete. **Condition of hay** was listed as 50% poor, 30% fair, 20% good. **Wind and rain damage to crops** was reported as 60% none, 30% light, 10% moderate. **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 (F⁰) 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	60	57	59	55	56	55	73	40	0.33
Sawmill Creek	53	50	49	na	na	na	87	31	0.04
Plant Materials Center	52	na	53	na	na	na	69	39	0.22

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

For the Period: Monday August 16, 2010
 To: Sunday August 22, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - August 22, 10						GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F			BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT	40F
Fairbanks_Intl	91	40	60	+5	0.07	2	5.39	+0.37	44	1109	+220	2182	
Fairbanks/Eiels	90	32	57	+2	0.06	2	6.69	+0.34	43	921	+77	1960	
Nenana_Muni_AM	85	37	58	+4	0.09	2	6.91	+2.01	48	956	+194	2011	
Ftgreely/Allen	86	38	57	+3	0.03	1	7.07	-0.46	48	910	+131	1941	
Healy_River_Air	78	40	55	+1	0.15	4	4.05	-3.42	66	789	+161	1822	
Gulkana_Arpt_A	80	30	55	+3	0.10	3	5.03	-0.24	51	466	+26	1451	
Sutton	66	42	54	+0	0.23	4	6.65	+0.30	80	330	-122	1319	
Palmer_Municipa	74	43	56	+1	0.23	4	5.86	+0.26	54	567	-23	1639	
Talkeetna	71	40	55	+0	0.90	5	10.29	-0.13	66	579	-21	1607	
Willow_Airport	66	45	56	+0	0.22	3	6.81	+1.58	72	669	+74	1753	
Anchorage_Intl	67	45	57	+1	0.10	2	6.00	+0.51	45	536	-55	1563	
Kenai_Municipal	72	39	57	+4	0.25	2	6.96	+1.42	58	525	+190	1554	
Homer	63	36	51	-4	0.42	4	6.28	+1.33	49	154	-136	1020	
Kodiak	65	49	56	+2	0.72	3	19.82	+1.13	79	221	-91	1119	

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