

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: September 7, 2010

GENERAL: There were **4.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 90% adequate, 10% surplus. **Subsoil moisture** supplies were 20% short, 80% adequate. **Barley** was reported as 35% harvested. **Oats** were 10% harvested. **Potato** harvest was 5% complete. **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 15% fair, 55% good, 30% excellent. **Winter supplies of hay** were listed as 15% short, 75% adequate, 10% surplus. **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 30 – September 5, 2010		
DAYS SUITABLE FOR FIELDWORK: 4.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	0%	20%
ADEQUATE	90%	80%
SURPLUS	10%	0%
PAN EVAPORATION FOR 08/30 - 09/05* MAT AES SITE: na		

TANANA VALLEY: An average of **4.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 85% adequate, 15% surplus. **Subsoil moisture** was 25% short, 75% adequate. **Barley** was reported as 35% harvested. **Oats** were 10% harvested. **Potato** harvest was 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 10% fair, 40% good, 50% excellent. **Wind and rain damage to crops** was 100% none. **Range and pasture condition** was 50% fair, 50% good. **Farm activities** for the week included small grain and hay harvest, baling straw, equipment maintenance.

MATANUSKA VALLEY: An average of **4.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was 10% short, 90% adequate. **Potato** harvest was 5% complete. **First cutting hay harvest** was 95% complete; second cutting was 10% complete. **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. **Range and pasture condition** was 5% poor, 20% fair, 60% good, 15% excellent. **Farm activities** for the week included hay and vegetable harvest, drying seed, equipment repair/maintenance, weed control.

KENAI PENINSULA: There were **6.0 days suitable for fieldwork last week**. **Topsoil moisture and subsoil moisture** were both reported at 10% short, 90% adequate. **Potato** harvest was 10% complete. **First cutting hay harvest** was 95% complete, second cutting was 10% complete. **Condition of hay** was listed as 40% poor, 40% fair, 20% good. **Condition of potatoes** was 15% poor, 20% fair, 40% good, 25% excellent. No **wind and rain damage to crops** was reported. **Range and pasture condition** was 10% poor, 15% fair, 50% good, 25% excellent. **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	na	55	54	na	52	55	na	na	Na
Sawmill Creek	49	48	45	na	na	na	62	28	0.45
Plant Materials Center	52	na	51	na	na	na	65	44	0.38

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

For the Period: Monday August 30, 2010
 To: Sunday September 5, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - September 5, 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	67	37	52	+2	0.18	3	6.40	+0.70	50	1158	+225	2370
Fairbanks/Eiels	63	31	49	-3	4.79	2	12.50	+5.28	49	937	+49	2102
Nenana Muni AM	67	34	53	+3	1.83	3	9.33	+3.74	54	993	+195	2187
Ftgreely/Allen	62	37	50	-2	0.46	5	8.23	-0.03	59	929	+98	2096
Healy River Air	63	30	50	-1	1.01	5	5.48	-2.92	74	805	+142	1975
Gulkana Arpt A	65	29	48	+0	0.25	6	5.57	-0.43	60	481	+6	1590
Sutton	63	42	51	+1	0.42	5	7.70	-0.01	88	368	-126	1497
Palmer Municipa	65	45	54	+2	1.46	5	7.92	+1.17	64	636	-10	1848
Talkeetna	64	43	54	+3	0.60	5	12.58	-0.02	74	650	+4	1818
Willow Airport	63	45	53	-1	0.46	4	8.04	+1.55	79	739	+91	1963
Anchorage Intl	61	46	54	+2	0.37	3	7.49	+0.60	51	613	-38	1780
Kenai Municipal	68	38	54	+4	0.53	6	7.69	+0.74	69	592	+215	1761
Homer	59	40	49	-3	0.87	5	7.34	+1.06	58	174	-159	1170
Kodiak	65	43	53	+1	1.35	4	21.64	+0.26	86	296	-68	1334

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