

ALASKA CROP-WEATHER



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

Alaska Division of Agriculture
Alaska Cooperative Extension
Ag & Forestry Experiment Station

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P.O. Box 799
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GENERAL: There were **4.0 days suitable for fieldwork** last week as rain continued to fall across the state. **Topsoil moisture** supplies were reported as 5% short, 90% adequate, 5% surplus. **Subsoil moisture** supplies were 20% short, 80% adequate. **Barley** was reported as 20% turning color. **Oats** were 10% turning color. **Potatoes** were 35% in bloom. **Hay harvest** was 70% complete. **Condition of barley** was listed as 20% fair, 30% good, 50% excellent. **Condition of oats** was listed as 10% fair, 50% good, 40% excellent. **Condition of hay** was listed as 10% poor, 30% fair, 45% good, 15% excellent. **Condition of potatoes** was 20% fair, 45% good, 35% excellent. **Rate of crop growth** was 25% slow, 50% moderate, 25% rapid. **Wind and rain damage to crops** was reported as 85% none, 10% light, 5% moderate. The main **farm activities** for the week were weed control, hay and vegetable harvest, equipment maintenance.

CROP WEATHER SUMMARY July 19 - July 25, 2010		
DAYS SUITABLE FOR FIELDWORK: 4.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	5%	20%
ADEQUATE	90%	80%
SURPLUS	5%	0%
PAN EVAPORATION FOR 07/19 - 07/25 MAT AES SITE: -1.064		

TANANA VALLEY: An average of **3.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 5% short, 95% adequate. **Subsoil moisture** was 30% short, 70% adequate. **Barley** was reported as 20% turning color; **oats** 15% turning color. **Potatoes** were 50% in bloom. **Hay harvest** remained at 90% complete. **Condition of barley** was listed as 20% fair, 30% good, 50% excellent. **Condition of oats** was listed as 15% fair, 35% good, 50% excellent. **Condition of hay** was listed as 5% poor, 25% fair, 50% good, 20% excellent. **Condition of potatoes** was 20% fair, 40% good, 40% excellent. **Wind and rain damage to crops** was reported as 90% none, 10% light. **Farm activities** for the week included hay harvest, CRP maintenance, spreading fertilizer, equipment repair.

MATANUSKA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was 10% short, 90% adequate. **Potatoes** were 25% in bloom. **Hay harvest** was 45% complete. **Condition of hay** was listed as 20% poor, 40% fair, 30% good, 10% excellent. **Condition of potatoes** was 20% fair, 50% good, 30% excellent. **Wind and rain damage to crops** was reported as 85% none, 10% light, 5% moderate. **Farm activities** for the week included weed control, hay and vegetable harvest.

KENAI PENINSULA: There were **3.0 days suitable for fieldwork last week**. **Topsoil moisture and subsoil moisture** were both reported at 100% adequate. **Potatoes** were 40% in bloom. **Hay harvest** was 30% complete. **Condition of hay** was listed as 20% poor, 35% fair, 40% good, 5% excellent. **Wind and rain damage to crops** was reported as 80% none, 15% light, 5% moderate. **Farm activities** for the week included waiting to harvest hay, equipment maintenance.

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	58	58	59	56	58	57	66	48	1.51
Sawmill Creek	56	53	50	na	na	na	75	44	0.76
Plant Materials Center	52	54	53	na	na	na	67	48	0.76

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 July 19, 2010
 To: Sunday July 25, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - July 25, 10 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	74	51	61	-2	1.59	5	4.62	+1.25	36	764	+105	1557
Fairbanks/Eiels	74	51	60	-3	0.71	5	5.92	+1.74	33	636	+17	1395
Nenana_Muni_AM	72	44	59	-2	1.03	4	6.15	+3.14	38	653	+90	1428
Ftgreely/Allen	72	51	60	-1	0.50	4	6.88	+1.48	42	603	+37	1354
Healy_River_Air	66	50	57	-4	0.63	7	3.32	-1.89	49	541	+92	1295
Gulkana_Arpt_A	67	47	56	-2	0.75	6	4.08	+0.49	38	274	-16	980
Sutton	61	46	53	-4	0.90	7	4.38	+0.30	57	206	-86	915
Palmer_Municipa	66	50	56	-4	1.53	7	4.00	+0.39	33	373	-24	1165
Talkeetna	67	49	55	-5	2.18	6	6.19	-0.37	43	380	-24	1128
Willow_Airport	64	52	57	-3	1.02	7	4.27	+1.24	50	470	+97	1274
Anchorage_Intl	64	51	56	-3	0.94	5	2.46	-0.57	26	347	-37	1094
Kenai_Municipal	64	46	55	+0	1.13	5	4.16	+0.78	36	308	+109	1057
Homer	60	42	51	-4	0.39	4	2.58	-0.58	32	58	-104	649
Kodiak	68	45	55	+0	0.76	5	15.55	+0.46	61	93	-67	711

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