

# ALASKA CROP-WEATHER

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



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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**RELEASED:** June 29, 2009

**GENERAL:** There were **5.0 days suitable for fieldwork** last week. Temperatures dipped into the low thirties in some locations. **Topsoil moisture** supplies were reported as 5% short, 95% adequate. **Subsoil moisture** supplies were listed as 10% short, 90% adequate. **Barley** was reported as 45% in boot. **Oats** were 100% pre-boot. Condition of both the barley and oat crops was rated as 60% good, 40% excellent. **Potatoes** were reported as 85% emerged. **First cutting of hay** was reported as 20% complete. Condition of the hay crop was rated as 15% poor, 25% fair, 45% good, 15% excellent. **Rate of crop growth** was reported as 5% slow, 65% moderate, 30% rapid. **Wind and rain damage** was reported as 95% none, 5% light. The main **farm activities** for the week were harvesting hay, weed control, irrigation, machinery maintenance.

CROP WEATHER SUMMARY June 22 - June 28, 2009		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	5%	10%
ADEQUATE	90%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 06/22 - 06/28 MAT AES SITE: 0.556		

**TANANA VALLEY:** An average of **4.5 days was suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported at 100% adequate. **Barley** was reported as 45% in boot. **Oats** were 100% pre-boot. **Condition of the barley crop** was rated as 55% good, 45% excellent. **Condition of the oat crop** was rated as 60% good, 40% excellent. **Potatoes** were 75% emerged. **First cutting of hay** was reported as 20% complete. **Condition of the hay crop** was listed as 15% poor, 35% fair, 45% good, 5% excellent. **Rate of crop growth** was 5% slow, 65% moderate, 30% rapid. **Wind and rain damage** was reported as 95% none, 5% light. **Farm activities** for the week included baling high moisture hay, weed control.

**MATANUSKA VALLEY:** An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 15% short, 85% adequate. **Subsoil moisture** was reported as 25% short, 75% adequate. **Small grains** were in pre-boot stage. **Potatoes** were reported as 90% emerged. **First cutting of hay** was reported as 15% complete. **Condition of the hay crop** was listed at 5% poor, 20% fair, 50% good, 25% excellent. **Rate of crop growth** was reported as 5% slow, 60% moderate, 35% rapid. **Wind and rain damage** was reported as 95% none, 5% light. **Farm activities** for the week included weed control, irrigating crops, cutting hay.

**KENAI PENINSULA:** There were **5.0 days was suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 100% adequate. **Potatoes** were 95% planted, 25% emerged. **First cutting of hay** was 30% complete. **Condition of the hay crop** was listed as 15% poor, 20% fair, 40% good, 25% excellent. **Rate of crop growth** was reported as 20% slow, 80% moderate. **Wind and rain damage** to crops was reported as 90% none, 10% light. **Farm activities** for the week were cutting hay, weed control.

## Soil Temperatures (F<sup>0</sup>) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2009	2008	2007	2009	2008	2007	High	Low	
UAF-AFES, Trunk Road	58	na	57	58	na	56	67	35	0.31
Sawmill Creek	46	na	51	na	na	na	69	30	1.10
Plant Materials Center	53	52	52	na	na	na	68	34	0.46

**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 June 22, 2009  
 To: Sunday June 28, 2009

STATION	LAST WEEK WEATHER SUMMARY						May 1, 09 - June 28, 09 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	73	41	55	-7	0.95	4	1.50	-0.40	10	402	+88	916
Fairbanks/Eiels	72	41	54	-8	1.42	5	2.26	+0.00	19	286	-7	754
Nenana_Muni_AM	72	37	53	-8	1.74	6	2.76	+1.41	17	296	+38	779
Ftgreely/Allen	67	44	53	-8	0.88	5	3.70	+0.73	20	284	+12	769
Healy_River_Air	63	39	50	-8	1.26	6	3.11	+0.26	28	184	-5	636
Gulkana_Arpt_A	63	32	48	-8	0.39	4	1.87	-0.14	18	143	+38	601
Sutton	64	32	48	-7	1.51	7	2.89	+0.70	28	58	-56	508
Palmer_Municipa	68	37	51	-6	0.08	1	0.48	-1.37	7	166	-15	709
Talkeetna	69	34	51	-7	0.51	3	2.97	-0.90	15	165	+0	655
Willow_Airport	68	45	54	-3	1.05	7	2.32	+0.75	25	284	+141	838
Anchorage_Intl	65	40	53	-4	0.28	3	0.97	-0.71	12	136	-24	637
Kenai_Municipal	65	38	50	-3	0.76	4	1.63	-0.33	13	88	+20	558
Homer	68	37	49	-4	0.16	3	1.23	-0.72	17	16	-38	374
Kodiak	66	37	48	-3	0.50	6	7.70	-3.67	30	25	-27	392

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