



Alaska Crop Weather

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Released: June 24, 2013

GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 15% very short, 45% short, 40% adequate. **Subsoil moisture** supplies were listed as 5% very short, 25% short, 70% adequate. **Barley** and **oats** were reported as 100% pre-boot. **Potatoes** were reported as 65% emerged. **First cutting hay harvest** was 5% complete. **Crop growth** was reported as 15% slow, 70% moderate, 15% rapid. **No damage from wind or rain** was reported. **Condition of barley** was reported as 30% fair, 50% good, 20% excellent. **Condition of oats** was reported as 5% very poor, 0% poor, 25% fair, 60% good, 10% excellent. **Condition of hay** was reported as 15% poor, 45% fair, 35% good, 5% excellent. The main **farm activities** for the week were harvesting hay and preparing machinery for hay harvest, irrigating, spraying for weeds, cultivating fields, equipment and fence maintenance.

CROP WEATHER SUMMARY		
June 17 – June 23, 2013		
Days Suitable for Fieldwork: 6.0		
Crop	Topsoil Moisture	Subsoil Moisture
Very Short	15%	5%
Short	45%	25%
Adequate	40%	70%
Surplus	0%	0%
Pan Evaporation*, UAF-AFES, Trunk Rd		2.09

TANANA VALLEY: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 15% very short, 50% short, 35% adequate. **Subsoil moisture** was reported as 25% short, 75% adequate. **Barley** and **oats** were reported as 100% pre-boot. **Potatoes** were reported as 50% emerged. Hay harvest was underway in the Fairbanks area. **Crop growth** was reported as 85% moderate, 15% rapid. **Condition of barley** was reported as 30% fair, 50% good, 20% excellent. **Condition of oats** was reported as 5% very poor, 0% poor, 30% fair, 50% good, 15% excellent. **Condition of hay** was reported as 25% poor, 35% fair, 35% good, 5% excellent. **Farm activities** for the week included harvesting hay or preparing for hay harvest, irrigating, spraying for weeds, planting forage oats, fence construction and maintenance.

MATANUSKA VALLEY: An average of **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 20% very short, 30% short, 50% adequate. **Subsoil moisture** was reported as 10% very short, 30% short, 60% adequate. **Potatoes** were reported as 75% emerged. **Crop growth** was reported as 35% slow, 45% moderate, 20% rapid. **Condition of hay** was reported as 10% poor, 50% fair, 40% good. **Farm activities** for the week included irrigating, cultivating fields, weed control, harvesting hay, equipment maintenance.

KENAI PENINSULA: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 100% short. **Subsoil moisture** was reported as 100% adequate. **Potatoes** were reported as 50% emerged. **Crop growth** was reported as 100% moderate. **Condition of hay** was reported as 100% fair. **Farm activities** for the week included preparing for hay harvest, weed control, equipment maintenance.

Soil Temperatures (F⁰) at 4 inch depth

	Grass			Fallow land			Temperature		Precip. (inches)
	2013	2012	2011	2013	2012	2011	High	Low	
UAF-AFES, Trunk Rd	55	na	50	60	na	53	86	40	0.00
Sawmill Creek	53	54	na	na	na	na	87	40	0.53
Plant Materials Center	61	56	na	62	58	na	86	40	0.01

***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. na – not available.

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

For the Period: Monday June 17, 2013
 To: Sunday June 23, 2013

STATION	LAST WEEK WEATHER SUMMARY						May 1, 13 - June 23, 13 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	88	53	70	+10	0.09	1	0.64	-1.01	9	420	+166	765
Fairbanks/Eiels	86	47	68	+9	0.01	1	0.26	-1.66	9	328	+91	672
Nenana_Muni_AM	87	50	69	+11	0.00	0	0.68	-0.42	13	363	+157	696
Ftgreely/Allen	85	52	68	+10	0.59	1	1.19	-1.33	12	318	+93	649
Healy_River_Air	87	48	67	+11	0.07	1	0.74	-1.66	13	285	+137	610
Gulkana_Arpt_A	87	39	62	+8	0.00	0	2.35	+0.64	13	223	+143	551
Sutton	83	44	61	+7	0.00	0	2.82	+0.93	20	178	+89	494
Palmer_Municipa	85	41	62	+7	0.00	0	1.99	+0.40	10	247	+101	610
Talkeetna	96	46	66	+10	0.01	1	3.80	+0.38	10	270	+141	605
Willow_Airport	85	47	64	+9	0.00	0	2.30	+0.93	18	270	+161	628
Anchorage_Intl	82	45	62	+7	0.00	0	1.73	+0.25	9	245	+118	610
Kenai_Municipal	75	40	54	+3	0.01	1	2.05	+0.29	17	86	+34	389
Homer	74	42	55	+5	0.18	2	1.56	-0.20	18	66	+26	383
Kodiak	79	46	56	+7	0.46	3	4.89	-5.67	24	95	+54	391

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