



Alaska Crop Weather

PO Box 799 · Palmer, AK 99645
(907) 745-4272 · (907) 746-4654 FAX · www.nass.usda.gov/ak

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GENERAL: There were **7.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 15% very short, 45% short, 40% adequate. **Subsoil moisture** supplies were 20% very short, 40% short, 40% adequate. **Barley** was reported as 25% turning color. **Oats** were reported as 10% turning color. **First cutting hay harvest** was 95% complete with second cutting underway in the Tanana Valley. **Wind or rain damage** was reported as 100% none. **Condition of barley** was reported as 10% very poor, 20% poor, 40% fair, 30% good. **Condition of oats** was reported as 10% very poor, 10% poor, 30% fair, 50% good. **Condition of hay** was reported as 15% poor, 40% fair, 45% good. **Condition of potatoes** was reported as 25% fair, 60% good, 15% excellent. **Condition of pasture** was reported as 10% very poor, 30% poor, 40% fair, 20% good. The main **farm activities** for the week were harvesting hay, grass seed, peonies and vegetables, irrigation, fertilizing, weed control, equipment and fence maintenance.

CROP WEATHER SUMMARY		
July 29 – August 4, 2013		
Days Suitable for Fieldwork: 7.0		
Crop	Topsoil Moisture	Subsoil Moisture
Very Short	15%	20%
Short	45%	40%
Adequate	40%	40%
Surplus	0%	0%
Pan Evaporation*, UAF- AFES, Trunk Rd		1.65

TANANA VALLEY: An average of **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 10% very short, 40% short, 50% adequate. **Subsoil moisture** was reported as 20% very short, 40% short, 40% adequate. **Barley** was reported as 25% turning color. **Oats** were reported as 10% turning color. **First cutting hay harvest** was 95% complete; second cutting was 10% complete. **Condition of barley** was reported as 10% very poor, 20% poor, 40% fair, 30% good. **Condition of oats** was reported as 10% very poor, 15% poor, 35% fair, 40% good. **Condition of hay** was reported as 5% very poor, 15% poor, 40% fair, 40% good. **Condition of potatoes** was reported as 20% fair, 45% good, 35% excellent. **Condition of pasture** was reported as 10% very poor, 30% poor, 60% fair. **Farm activities** for the week included harvesting hay, grass seed and vegetables, irrigation, weed control, fertilizing, planting forage oats, preparing for grain harvest, fence and equipment maintenance.

MATANUSKA VALLEY: An average of **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 20% very short, 65% short, 15% adequate. **Subsoil moisture** was reported as 25% very short, 50% short, 25% adequate. **First cutting hay harvest** was 99% complete. **Condition of hay** was reported as 15% poor, 50% fair, 35% good. **Condition of potatoes** was reported as 30% fair, 65% good, 5% excellent. **Condition of pasture** was reported as 10% very poor, 40% poor, 25% fair, 25% good. **Farm activities** for the week included irrigating, fertilizing, weed control, harvesting hay and vegetables, planting cover crops, fence and equipment maintenance.

KENAI PENINSULA: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 100% adequate. **Subsoil moisture** was also reported as 100% adequate. **First cutting hay harvest** was 90% complete. **Condition of hay and potatoes** were reported as 100% good. **Condition of pasture** was reported as 100% good. **Farm activities** for the week included harvesting hay and peonies, 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	61	na	61	61	na	59	76	47	0.00
Sawmill Creek	58	54	55	na	na	na	86	42	0.00
Plant Materials Center	65	54	58	62	53	57	77	47	0.02

***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 July 29, 2013
 To: Sunday August 4, 2013

STATION	LAST WEEK WEATHER SUMMARY						May 1, 13 - August 4, 13 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	88	51	69	+9	0.00	0	1.64	-2.33	18	1108	+344	1873
Fairbanks/Eiels	85	48	67	+8	0.00	0	1.28	-3.70	15	895	+174	1659
Nenana Muni_AM	89	48	67	+9	0.00	0	2.47	-1.24	24	935	+280	1688
Ftgreely/Allen	85	51	69	+11	0.00	0	2.91	-3.33	24	907	+246	1658
Healy_River_Air	84	50	66	+8	0.03	1	2.46	-3.57	30	820	+289	1565
Gulkana_Arpt_A	84	41	65	+10	0.00	0	3.62	-0.57	23	687	+331	1435
Sutton	74	52	62	+6	0.33	2	5.25	+0.37	37	569	+210	1305
Palmer_Municipa	76	49	63	+6	0.00	0	2.83	-1.48	20	719	+243	1502
Talkeetna	81	49	64	+6	0.13	2	5.75	-2.06	23	779	+290	1534
Willow_Airport	77	54	65	+7	0.18	2	4.08	+0.34	35	793	+330	1571
Anchorage_Intl	73	53	63	+6	0.00	0	2.75	-1.03	20	752	+286	1537
Kenai_Municipal	68	45	58	+3	0.10	3	5.46	+1.39	32	341	+89	1063
Homer	69	50	60	+5	0.01	1	2.51	-1.21	29	374	+162	1110
Kodiak	69	51	58	+3	2.24	4	9.61	-6.68	39	418	+206	1133

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USDA/NASS/Alaska Field Office
 PO Box 799
 Palmer, AK 99645

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