

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
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RELEASED: May 21, 2007

GENERAL: There were **7.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 15% short, 85% adequate. **Subsoil moisture** supplies were listed as 10% short, 90% adequate. **Barley** was reported as 75% planted; while oats were 50% planted. **Potato** planting was listed as 20% complete. **Winter freeze damage to grass fields** was rated as 90% none, 10% light. **Range and pasture condition** was reported as 5% poor, 15% fair, 70% good, 10% excellent. **Condition of livestock** was listed as 5% poor, 15% fair, 70% good, 10% excellent. The main **farm activities** for the week were planting small grains and potatoes, fence repair, transplanting vegetables, weed control and applying fertilizer.

CROP WEATHER SUMMARY May 14 - May 20, 2007		
DAYS SUITABLE FOR FIELDWORK: 7.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	15%	10%
ADEQUATE	85%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 05/14- 05/20 MAT AES SITE: +1.173		

TANANA VALLEY: An average of **7.0 days were suitable for fieldwork** last week. **Topsoil moisture** was reported at 25% short, 75% adequate. **Subsoil moisture supplies** were 15% short, 85% adequate. **Planting of barley** was reported as 75% complete; while planting of **oats** was 60% complete. **Potato** planting was also underway. **Fieldwork progress** was reported as on or ahead of schedule. **Winter freeze damage to grass fields** was rated as 90% none, 10% light. **Range and pasture condition** was reported as 10% poor, 20% fair, 50% good, 20% excellent. **Livestock conditions** were listed as 5% poor, 35% fair, 50% good, 10% excellent. **Farm activities** for the week included planting small grains and potatoes, fertilizing hay and pasture, and fence and equipment repair.

MATANUSKA VALLEY: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture and subsoil moisture** were both reported as 100% adequate. **Planting of small grains** was underway. **Potatoes** were listed as 25% planted. Vegetables also continued to be planted/transplanted into fields. **Fieldwork progress** was reported as zero to seven days behind normal. **Winter freeze damage to grass fields** was rated as 90% none, 10% light. **Range and pasture condition** was reported as 5% fair, 95% good. **Livestock conditions** were listed at 5% fair, 90% good, 5% excellent. Major **farm activities** during the week included planting potatoes, small grains and vegetables, fertilizing hay fields, weeding, preparing equipment, fence repair, and tilling fields.

KENAI PENINSULA: An average of **7.0 days were suitable for fieldwork**. **Topsoil moisture** was reported at 5% short, 95% adequate. **Subsoil moisture supplies** were 100% adequate. **Potato** planting was underway. **Fieldwork progress** was reported as six to seven days behind normal. **Winter freeze damage to grass fields** was rated as 95% none, 5% light. **Range and pasture condition** was reported as 5% poor, 15% fair, 60% good, 20% excellent. **Livestock conditions** were listed at 10% poor, 15% fair, 50% good, 25% excellent. Major **farm activities** for the week included fertilizing hay fields and preparing vegetables beds for planting/transplanting.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2006	2005	2004	2006	2005	2004	High	Low	
UAF-AFES, Trunk Road	41	40	40	47	47	47	64	30	0.17
Sawmill Creek	38	39	41	na	na	na	67	25	0.00
Plant Materials Center	43	41	48%	na	na	40	67	30	0.00

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 May 14, 2007
 To: Sunday May 20, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - May 20, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	68	33	50	+1	0.00	0	0.38	+0.08	4	19	+9	128
Fairbanks/Eiels	68	30	49	-2	0.00	0	0.44	+0.13	4	11	+1	102
Nenana_Muni_AM	69	30	49	+2	0.08	1	0.24	+0.10	3	10	+6	115
Ftgreely/Allen	65	32	49	+0	0.01	1	1.08	+0.75	5	7	-21	99
Healy_River_Air	64	30	49	+3	0.05	2	0.34	+0.02	7	10	+10	110
Gulkana_Arpt_A	63	27	43	-2	0.01	1	0.46	+0.18	7	0	-1	40
Sutton	61	28	45	-2	0.16	3	0.50	+0.04	11	0	-3	72
Palmer_Municipa	64	34	48	+0	0.03	1	0.45	+0.08	5	1	-10	127
Talkeetna	70	29	48	+3	0.00	0	0.08	-0.89	2	9	+9	112
Willow_Airport	64	39	50	+3	0.13	2	0.51	+0.14	9	12	+12	150
Anchorage_Intl	59	36	47	+0	0.01	1	0.40	+0.00	5	1	-6	104
Kenai_Municipal	63	28	46	+2	0.00	0	0.64	+0.04	2	4	+4	74
Homer	54	29	43	-2	0.04	3	0.04	-0.70	3	0	+0	36
Kodiak	55	30	41	-3	2.08	5	3.32	-0.77	12	0	+0	25

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