

# ALASKA CROP-WEATHER

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



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

USDA, NASS, Alaska Field Office  
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**RELEASED:** May 14, 2007

**GENERAL:** Temperatures, on average, were cooler than normal last week. Planting of small grains and potatoes as well as transplanting of vegetables was underway. There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 90% adequate, 10% surplus. **Subsoil moisture** supplies were listed as 5% short, 95% adequate. **Fieldwork progress** was reported as 10 days ahead of normal to 7 days behind normal. **Hay supplies** were rated as 10% short, 90% adequate. **Condition of livestock** was listed as 5% poor, 15% fair, 70% good, 10% excellent. The main **farm activities** for the week were tilling fields, preparing machinery, fence repair, ordering and spreading fertilizer, planting limited amounts small grains, potatoes and vegetables. Greenhouses were open for business.

CROP WEATHER SUMMARY May 7 - May 13, 2007		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	5%
ADEQUATE	90%	95%
SURPLUS	10%	0%
PAN EVAPORATION FOR 05/07 - 05/13 MAT AES SITE: +0.482		

**TANANA VALLEY:** An average of **7.0 days were suitable for fieldwork** last week. **Topsoil and subsoil moisture** were both reported at 95% adequate, 5% surplus. **Subsoil moisture supplies** were 5% short, 95% adequate. **Planting of barley** was reported as 10% complete. Planting of **oats** has begun in the Fairbanks area. **Hay supplies** were reported as 10% short, 90% adequate. **Livestock conditions** were listed as 5% poor, 35% fair, 50% good, 10% excellent. **Farm activities** for the week included planting small grains, fertilizing hay ground, working fallow ground, and preparing machinery.

**MATANUSKA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moisture** were reported at 95% adequate, 5% surplus. **Planting of potatoes** was underway. Vegetables continued to be transplanted into fields. **Hay supplies** were reported as 10% short, 90% adequate. **Livestock conditions** were listed at 5% fair, 90% good, 5% excellent. Major **farm activities** during the week included fertilizing hay fields, preparing equipment, fence repair, cleaning up and tilling fields, spot spraying for early weeks.

**KENAI PENINSULA:** An average of **5.0 days were suitable for fieldwork** as some well needed rain finally fell. **Topsoil and subsoil moisture** were both reported as 100% adequate. **Hay supplies** were reported as 30% short, 70% adequate. **Livestock conditions** were listed at 10% poor, 25% fair, 50% good, 15% excellent. Major **farm activities** for the week included ordering and spreading fertilizer for hay crops and preparing equipment.

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

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2006	2005	2004	2006	2005	2004	High	Low	
UAF-AFES, Trunk Road	36	36	36	43	46	46	55	33	0.68
Sawmill Creek	34	37	na	na	na	na	59	28	0.11
Plant Materials Center	38	40	46	na	na	40	55	30	0.20

## 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 7, 2007  
 To: Sunday May 13, 2007

STATION	LAST WEEK WEATHER SUMMARY						May 1, 07 - May 13, 07					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	57	29	42	-5	0.29	2	0.38	+0.22	4	5	+4	55
Fairbanks/Eiels	58	29	42	-5	0.23	2	0.44	+0.27	4	0	-1	41
Nenana_Muni_AM	58	28	42	-4	0.11	1	0.16	+0.09	2	0	+2	47
Ftgreely/Allen	53	35	43	-3	0.07	2	1.07	+0.91	4	0	-14	38
Healy_River_Air	54	31	41	-3	0.18	3	0.29	+0.12	5	1	+4	41
Gulkana_Arpt_A	57	27	41	-1	0.15	4	0.45	+0.31	6	0	+0	17
Sutton	54	27	43	-2	0.26	5	0.34	+0.08	8	0	+0	35
Palmer_Municipa	57	31	45	-2	0.39	3	0.42	+0.19	4	0	-4	69
Talkeetna	56	29	44	+0	0.07	1	0.08	-0.54	2	0	+2	52
Willow_Airport	59	34	46	+1	0.32	5	0.38	+0.15	7	0	+0	77
Anchorage_Intl	54	33	44	-2	0.39	4	0.39	+0.13	4	0	+0	51
Kenai_Municipal	53	26	42	-2	0.64	2	0.64	+0.25	2	0	+0	29
Homer	50	29	40	-3	0.00	0	0.00	-0.52	0	0	+0	15
Kodiak	52	33	41	-2	0.37	3	1.24	-1.38	7	0	+0	14

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