

# ALASKA CROP-WEATHER

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



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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**RELEASED:** May 23, 2011

**GENERAL:** There were **7.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 30% short, 65% adequate, 5% surplus. **Subsoil moisture** supplies were listed as 15% short, 80% adequate, 5% surplus. **Fieldwork progress** was reported as on schedule. **Barley** was reported as 80% planted; 10% emerged. **Oats** were 5% planted (this is a revision from last week). **Potatoes** were reported as 20% planted. **Condition of livestock** was listed as 20% fair, 60% good, 20% excellent. **Winter freeze damage** to grass fields was 85% none, 15% light. **Range and pasture condition** was listed as 30% fair, 70% good. The main **farm activities** for the week were seeding barley and oats, spreading fertilizer, tilling fields, planting vegetables, equipment preparation.

CROP WEATHER SUMMARY May 16 - May 22, 2011		
DAYS SUITABLE FOR FIELDWORK: 7.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	30%	15%
ADEQUATE	65%	80%
SURPLUS	5%	5%
PAN EVAPORATION FOR 05/16 - 05/22 MAT AES SITE: 1.510		

**TANANA VALLEY:** An average of **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 25% short, 70% adequate, 5% surplus. **Subsoil moisture supplies** were 15% short, 80% adequate, 5% surplus. **Fieldwork progress** was reported as two days behind schedule. **Barley** was 80% planted; 10% emerged. Planting of **oats** is just underway. **Livestock condition** was listed as 20% fair, 40% good, 40% excellent. **Range and pasture condition** was listed as 30% fair, 70% good. **Farm activities** for the week included seeding small grains, planting potatoes, spreading fertilizer.

**MATANUSKA VALLEY:** An average of **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 5% very short, 45% short, 50% adequate. **Subsoil moisture** was reported as 20% short, 80% adequate. **Fieldwork progress** was reported as on schedule. **Potato** planting was 25% complete. Small grain planting was underway. **Livestock conditions** were listed at 10% fair, 80% good, 10% excellent. **Range and pasture condition** was listed as 40% fair, 60% good. **Farm activities** for the week included planting potatoes, small grains and vegetables, weed control, spreading fertilizer, irrigating.

**KENAI PENINSULA:** There were **6.0 days was suitable for fieldwork last week**. **Topsoil moisture** was reported at 50% short, 50% adequate. **Subsoil moisture** was reported at 10% short, 90% adequate. **Fieldwork progress** was reported as on schedule. **Range and pasture condition** was listed at 100% good. Major **farm activities** for the week included spreading fertilizer and lime, equipment preparation.

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

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2011	2010	2009	2011	2010	2009	High	Low	
UAF-AFES, Trunk Road	45	50	47	na	52	54	62	34	0.00
Sawmill Creek	34	39	39	na	na	na	72	22	0.00
Plant Materials Center	40	na	47	42	na	na	64	35	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.

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

For the Period: Monday May 16, 2011  
 To: Sunday May 22, 2011

STATION	LAST WEEK WEATHER SUMMARY						May 1, 11 - May 22, 11 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	76	33	56	+7	0.01	1	0.01	-0.33	1	48	+34	148
Fairbanks/Eiels	74	30	52	+3	0.01	1	0.01	-0.36	1	23	+9	101
Nenana_Muni_AM	73	30	52	+3	0.00	0	0.06	-0.10	2	19	+11	104
Ftgreely/Allen	72	38	53	+4	0.00	0	0.11	-0.28	5	25	-9	112
Healy_River_Air	67	33	49	+2	0.00	0	0.00	-0.38	0	5	+3	71
Gulkana_Arpt_A	63	26	45	+1	0.02	2	0.29	-0.03	9	2	-1	47
Sutton	61	27	46	-1	0.50	4	0.76	+0.24	9	0	-5	79
Palmer_Municipa	62	33	49	+0	0.00	0	0.04	-0.37	3	3	-11	124
Talkeetna	62	31	47	+0	0.01	1	0.30	-0.79	7	1	-1	78
Willow_Airport	59	37	49	+2	0.50	3	0.75	+0.34	7	7	+6	125
Anchorage_Intl	59	38	48	+1	0.00	0	0.25	-0.19	4	1	-8	121
Kenai_Municipal	62	35	49	+5	0.04	2	0.48	-0.18	6	6	+5	112
Homer	50	36	43	-2	0.25	2	0.46	-0.34	7	0	+0	40
Kodiak	47	40	43	-2	3.94	7	4.40	-0.11	13	0	-1	78

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