

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 17, 2010

GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 15% short, 85% adequate. **Subsoil moisture** supplies were listed as 25% short, 75% adequate. **Fieldwork progress** was reported as on schedule in most areas. **Barley** was reported as 60% planted, while **oats** were 10% planted. **Potato** planting was underway in the Mat-Su Valley. **Hay supplies** were rated as 10% short, 90% adequate. **Condition of livestock** was listed as 5% poor, 25% fair, 60% good, 10% excellent. **Pasture and range condition** was listed as 5% poor, 20% fair, 55% good, 20% excellent. The main **farm activities** for the week were seeding small grains, fertilizing hay and pasture, disking, preparing machinery and irrigation equipment.

CROP WEATHER SUMMARY May 10 - May 16, 2010		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
VERY SHORT	0%	0%
SHORT	15%	25%
ADEQUATE	85%	75%
SURPLUS	0%	0%
PAN EVAPORATION FOR 05/10 - 05/16 MAT AES SITE: 1.380		

TANANA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 15% short, 85% adequate. **Subsoil moisture supplies** were 30% short, 70% adequate. **Barley** was reported as 60% planted. **Oats** were 10% planted. **Hay supplies** were reported as 100% adequate. **Livestock conditions** were listed as 10% poor, 30% fair, 50% good, 10% excellent. **Pasture and range condition** was listed as 10% poor, 30% fair, 40% good, 20% excellent. **Farm activities** for the week included spreading manure, fertilizing hay and pasture, seeding small grains, fence maintenance, preparing spray equipment.

MATANUSKA VALLEY: An average of **6.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 25% short, 75% adequate. **Subsoil moisture** was also reported as 25% short, 75% adequate. **Potato** planting was underway. **Hay supplies** were reported as 10% short, 90% adequate. **Livestock conditions** were listed at 15% fair, 55% good, 30% excellent. **Pasture and range condition** was listed as 15% fair, 85% good. **Farm activities** for the week included disking fields, fertilizing hay and pasture, planting potatoes, transplanting vegetables, irrigating.

KENAI PENINSULA: There were **5.0 days suitable for fieldwork last week**. **Topsoil moisture and subsoil moisture** were both reported at 100% adequate. **Hay supplies** were reported as 90% short, 10% adequate. **Pasture and range condition** was listed as 15% poor, 35% fair, 25% good, 25% excellent. **Livestock conditions** were listed as 15% poor, 35% fair, 25% good, 25% excellent. Major **farm activities** for the week included preparing equipment and ordering and spreading fertilizer.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2010	2009	2008	2010	2009	2008	High	Low	
UAF-AFES, Trunk Road	45	41	37	48	45	47	60	35	0.00
Sawmill Creek	33	33	na	na	na	na	63	21	0.00
Plant Materials Center	na	44	na	na	na	na	57	35	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 10, 2010
 To: Sunday May 16, 2010

STATION	LAST WEEK WEATHER SUMMARY						May 1, 10 - May 16, 10					GDD BASE 40F
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		TOT	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL		DFN
Fairbanks_Intl	66	31	47	-1	0.07	3	0.45	+0.23	7	3	-1	97
Fairbanks/Eiels	66	28	46	-2	0.21	2	0.96	+0.73	6	3	-1	65
Nenana_Muni_AM	65	28	46	-1	0.20	2	0.51	+0.41	5	0	+0	78
Ftgreely/Allen	59	30	46	-1	0.00	0	1.06	+0.84	6	1	-19	58
Healy_River_Air	59	32	47	+3	0.06	2	0.27	+0.04	6	0	+3	63
Gulkana_Arpt_A	59	27	43	+0	0.00	0	0.22	+0.02	4	0	+0	42
Sutton	57	30	43	-3	0.58	6	0.72	+0.38	10	0	+0	43
Palmer_Municipa	61	34	48	+1	0.00	0	0.03	-0.26	2	0	-7	100
Talkeetna	60	30	45	+0	0.20	4	0.22	-0.55	6	0	+2	66
Willow_Airport	57	37	48	+3	0.48	6	0.59	+0.30	9	1	+1	110
Anchorage_Intl	56	34	45	-1	0.00	0	0.03	-0.29	2	0	-3	68
Kenai_Municipal	57	31	46	+2	0.02	2	0.31	-0.17	4	0	+0	77
Homer	50	30	42	-2	0.12	4	0.13	-0.49	5	0	+0	16
Kodiak	58	29	43	+1	2.66	6	2.89	-0.36	11	0	+0	43

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