

ALASKA CROP-WEATHER

Alaska Division of Agriculture
Alaska Cooperative Extension



ALASKA
AGRICULTURAL
STATISTICS SERVICE

US Department of Agriculture
National Agricultural Statistics Service
P.O. Box 799
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GENERAL: There were **6.0 days suitable for fieldwork** last week. High temperature were generally in the 70's last week, with lows in the forties, however scattered frosts were reported in the Delta Junction area. **Topsoil moisture** was reported as 40% short, 60% adequate. **Subsoil moisture** supplies were reported as 35% short, 65% adequate. **Barley** was reported as 5% ripe, while **oats** were reported as 5% turning color. Condition of the barley crop was reported as 15% fair, 45% good, 40% excellent. **Oats** were reported as 10% fair, 50% good, 40% excellent. **Potatoes** were reported as 45% in bloom. Condition of the potato crop was listed as 15% fair, 60% good, 25% excellent. First cutting of **hay** was reported as 95% complete statewide. Second cutting of hay was underway in the Fairbanks area. Condition of hay was listed as 10% poor, 20% fair, 60% good, 10% excellent. **Range and pasture** condition was reported as 10% fair, 55% good, 35% excellent. **Farm activities** for the week included harvesting hay and vegetables, weed control, fertilizing for second cutting hay, fence repair and irrigation.

CROP WEATHER SUMMARY July 18 – July 24, 2005		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	40%	35%
ADEQUATE	60%	65%
SURPLUS	0%	0%
PAN EVAPORATION FOR 07/18- 07/24 MAT AES SITE: +0.193		

TANANA VALLEY: There were **7.0 days suitable for fieldwork** last week. Scattered frost were reported in the Delta Junction area. Topsoil moisture was reported as 40% short, 60% adequate. **Subsoil moisture** was reported as 35% short, 65% adequate. **Barley** was reported as 5% ripe, mostly in the Fairbanks area. **Oats** were reported as 5% turning color. Condition of the barley crop was reported as 15% fair, 45% good, 40% excellent. Condition of the oat crop was reported as 15% fair, 40% good, 45% excellent. **Potatoes** were reported as 40% in bloom. Condition of the potato crop was listed as 30% fair, 55% good, 15% excellent. First cutting **hay** was reported as 95% harvested, second cutting is just underway in the Fairbanks area. Condition of hay was listed as 15% poor, 25% fair, 60% good. **Range and pasture** condition was reported as 15% fair, 45% good, 40% excellent. **Farm activities** for the week included harvesting hay, weed control, fertilizing and building fence.

MATANUSKA VALLEY: There were **5.0 days suitable for fieldwork**. **Topsoil moisture** was reported as 35% short, 65% adequate. **Subsoil moisture** was also reported as 35% short, 65% adequate. **Potatoes** were reported as 50% in bloom. Condition of the potato crop was listed as 10% fair, 60% good, 30% excellent. **Hay** was reported as 95% harvested. **Condition of hay** was listed as 10% fair, 65% good, 25% excellent. **Range and pasture** condition was reported as 5% fair, 65% good, 30% excellent. **Farm activities** during the week included weed control, irrigation, fence repair and harvesting hay and vegetables.

KENAI PENINSULA: An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 20% short, 80% adequate. **Subsoil moisture** was 10% short, 90% adequate. **Potatoes** were reported as 15% in bloom. Condition of the potato crop was listed as 10% fair, 50% good, 40% excellent. **Hay** harvest was 90% complete. Condition of hay was listed as 20% fair, 40% good, 40% excellent. **Range and pasture** condition was reported as 10% fair, 40% good, 50% excellent. **Farm activities** for the week included haying and equipment maintenance.

Soil Temperatures (F⁰) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> (inches)
	2005	2004	2003	2005	2004	2003	High	Low	
UAF-AFES, Trunk Road	64	63	na	62	63	na	74	48	1.04
Sawmill Creek	na	na	na	na	na	na	na	na	na
Plant Materials Center	na	na	58	na	na	55	na	na	na

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, Inc.

For the Period: Monday July 18, 2005
 To: Sunday July 24, 2005

STATION	LAST WEEK WEATHER SUMMARY						May 1, 05 - July 24, 05 GDD					
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		BASE
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks_Intl	76	46	61	-3	1.04	2	6.44	+3.13	40	811	+164	1646
Fairbanks/Eiels	77	50	62	+1	0.32	1	6.28	+2.18	39	881	+273	1727
Nenana_Muni_AM	74	43	60	-2	0.43	2	4.88	+1.94	33	735	+182	1572
Ftgreely/Allen	75	37	56	-6	0.60	3	5.05	-0.26	36	646	+91	1462
Healy_River_Air	79	41	59	-1	0.55	4	6.58	+1.45	50	553	+113	1353
Gulkana_Arpt_A	71	32	55	-4	0.39	3	4.45	+0.92	32	362	+79	1101
Sutton	68	46	57	+0	0.48	4	7.06	+3.06	63	325	+40	1084
Palmer_Municipa	74	47	60	+2	0.57	5	4.58	+1.04	30	563	+174	1393
Talkeetna	79	45	62	+4	0.21	3	3.55	-2.89	42	635	+240	1436
Willow_Airport	75	50	62	+3	0.27	4	5.88	+2.92	60	652	+288	1479
Anchorage_Intl	70	52	61	+3	0.17	2	1.65	-1.31	23	531	+156	1344
Kenai_Municipal	70	43	57	+2	0.21	2	2.58	-0.74	27	240	+47	961
Homer	68	45	57	+4	0.40	3	2.03	-1.08	36	307	+150	1093
Kodiak	68	48	58	+4	0.22	3	14.67	-0.30	47	249	+94	956

DFN = Departure From Normal (Using 1961-90 Normals Period).
 Precipitation (Rainfall or melted snow/ice) and Pan Evap in inches.
 Precipitation Days = Days with precip of .01 inch or more.
 Air Temperatures in Degrees Fahrenheit.

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