

**UNIVERSITY OF MINNESOTA
SOUTHERN RESEARCH AND OUTREACH CENTER
35838 120TH STREET
WASECA, MN 56093-4521**

2010 SUMMARY

Month	Avg. Air	HDD ^{1/}	GDU ^{2/}	Precip	Snow	Evap. ^{3/}	Avg. Soil Temp.					Solar Radiation Langley's
	Temp. -°F -						2"	4"	8"	20"	40"	
Jan	7.0	1796.5		0.68	4.4		31.7	31.6	31.9	36.0	39.4	5136
Feb	11.3	1503.0		1.28	15.6		32.0	32.0	32.0	35.1	38.1	7574
Mar	35.2	923.0		1.45	0.0		-	-	36.0	36.7	38.0	10248
Apr	53.7	347.0		1.60	0.0		57.7	55.9	52.9	48.7	45.5	13194
May	59.2		362.5	3.27		7.68	61.8	59.9	58.6	54.2	51.1	14466
Jun	67.0		509.0	9.64		6.90	70.4	68.7	67.6	63.4	58.8	14140
Jul	72.5		691.0	6.61		8.31	80.3	78.2	76.7	71.2	65.6	17744
Aug	73.0		698.5	2.43		6.82	81.1	78.5	77.5	73.7	69.4	16404
Sept	58.9		320.0	12.66		3.85	62.6	61.9	62.0	65.1	65.3	9324
Oct	51.0		25.0	1.02	0.0		55.7	55.6	55.0	58.4	59.7	9162
Nov	33.2	954.0		2.46	4.7		36.9	37.9	38.1	45.5	50.5	4985
Dec	13.0	1612.5		3.69	39.1		30.2	30.8	30.7	36.5	42.0	3812
Year	44.6	7136.0	2606.0	46.79	63.8	33.56	57.0	56.0	53.5	52.0		126189
Departure ^{4/} from normal	+0.7		+166.0	+12.09	+9.1	-2.89	-	-	+6.2	+2.7		+5066

^{1/} Heating degree days based on 65° F. Total and departure excludes May - Sept.

^{2/} Based on the 50° - 86° F range from May 1 to the first fall frost (October 3).

^{3/} Departure from normal based on evaporation from May 1 - September 30 (36.45").

^{4/} Based on 1971-2000 Normal for air temperature, growing degree units (GDU), precipitation, snow, and evaporation. Solar radiation based on 1972-2000 averages (121123).