

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

2016 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	14.8	1555.5		0.45	5.3		29.3	29.3	30.3	33.5	40.5	4538
Feb	23.5	1194.0		0.85	9.0		30.9	30.7	31.4	33.0	38.2	5873
Mar	39.3	795.5		2.20	7.2		-	-	-	-	39.7	8066
Apr	48.4	509.5		1.97	0.5		-	-	-	-	44.1	10474
May	59.2		367.0	3.73		6.35	60.0	59.6	57.0	55.0	48.7	14733
Jun	70.6		600.0	4.75		7.33	73.7	73.0	70.2	67.1	59.9	17005
Jul	72.8		695.5	8.93		8.00	78.1	77.5	74.9	72.8	66.6	16331
Aug	71.9		673.5	11.70		7.18	75.8	75.7	74.2	73.2	69.5	13761
Sept	66.6		508.5	14.80		4.98	67.9	67.9	67.3	67.9	67.0	10099
Oct	53.0		93.5	3.12	0.0		55.3	55.6	55.9	58.4	61.0	7360
Nov	44.1	625.5		1.63	0.2		43.6	44.1	45.5	48.6	53.6	4891
Dec	17.9	2081.5		2.11	14.9		32.2	33.0	34.4	38.0	44.9	3420
Year	48.5	6761.5	2938.0	56.24	37.1	33.84	54.7	54.6	54.1	54.8	52.8	116551
Departure ^{4/} from normal	+3.5	-198.5	+448	+20.5	15.7	-1.4	+5.6	+5.7	+6.1	+5.2		-3994

^{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 8).

^{3/} Departure from normal based on evaporation from May 1 - September 30 (35.21").

^{4/} Based on 1981-2010 Normal for air temperature, growing degree units (GDU), precipitation, snow, and evaporation. Solar radiation based on 1972-2010 averages .