

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

2017 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	19.4	1413.0		1.43	9.2		28.4	29.9	30.9	33.8	39.7	3871
Feb	29.6	991.5		1.56	10.2		30.9	30.9	30.9	33.0	37.4	6663
Mar	31.6	1035.0		1.50	7.4		35.1	35.0	35.2	35.8	37.8	8263
Apr	49.1	476.5		2.84	0.0		49.0	48.7	47.6	46.3	46.3	9346
May	57.8		309.5	5.10		5.89	59.0	58.1	56.5	54.4	50.5	13393
Jun	70.1		578.5	4.16		8.22	72.6	71.7	69.2	66.1	59.4	16632
Jul	73.6		716.0	6.56		8.14	78.5	77.6	73.7	71.8	65.4	17095
Aug	66.3		505.0	3.90		5.01	71.0	71.1	70.3	69.6	67.0	12806
Sept	63.9		446.5	2.02		4.97	69.3	68.9	67.9	67.6	65.6	11141
Oct	49.6		100.5	4.14	1.6		51.8	52.7	53.4	56.5	59.9	6063
Nov	31.3	1010.5		0.17	0.2		35.9	36.6	38.0	41.8	49.0	4099
Dec	16.9	1492.0		0.90	10.2		32.1	32.5	38.7	37.4	43.6	3663
Year	46.6	6418.5	2656.0	34.28	38.8	32.23	51.1	51.1	51.0	51.2	51.8	113035
Departure ^{4/} from normal	1.6	-541.5	166.0	-1.44	-14.0	-2.98	2.0	2.2	3.0	1.6		-7510

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

^{2/} Based on the 50° - 86° F range from May 1 to the first fall frost (October 17).

^{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 .