

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

2015 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	17.0	1488.0		0.75	9.8		24.0	25.7	27.7	31.5	38.3	4445
Feb	9.5	1553.0		0.75	9.0		19.8	20.8	22.1	27.9	35.6	6503
Mar	32.4	1012.0		1.13	9.8		34.0	32.4	30.7	30.0	33.0	11073
Apr	47.7	519.5		2.75	0.0		48.9	46.9	44.9	42.1	38.6	12434
May	58.0		313.5	4.75		5.58	60.1	58.9	57.4	54.8	48.7	12367
Jun	68.3		547.5	7.62		7.31	73.2	71.1	68.8	65.5	57.6	15705
Jul	70.6		635.0	7.40		7.21	78.8	77.2	75.1	72.6	64.2	16778
Aug	67.7		558.0	6.00		6.37	74.5	73.6	72.7	72.0	68.1	14090
Sept	68.0		555.0	5.87		5.21	69.4	69.0	68.5	68.1	66.1	9724
Oct	51.4		138.5	1.23	0.0		55.6	55.6	55.9	58.5	60.9	7819
Nov	40.3	741.0		3.98	3.1		41.1	41.7	43.4	46.8	52.9	4437
Dec	29.4	1103.6		3.45	12.1		33.2	33.6	35.0	38.1	44.9	2554
Year	46.7	6417.1	2747.5	45.68	43.8	31.68	51.1	50.5	50.2	50.7	50.7	117929
Departure ^{4/} from normal	+1.7	-542.9	+257.5	+9.96	-9.0	-3.53	+2.0	+1.6	+2.2	+1.1		-2616

^{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 16).

^{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 .