

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 945 ft. Lat: 44.7167° N Lon: 93.0981° W
Station: ROSEMOUNT RSCH & OUTREACH CTR, MN US USC00217107

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	22.2	3.3	12.8	4.9	6.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1309.4	1371.4	1464.4	1619.6	0.0	0.0	0.2	24.0	31.0	12.2
02	27.0	6.9	17.0	6.0	7.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0	1065.2	1121.2	1205.2	1345.4	0.0	0.0	0.5	18.0	27.3	8.5
03	39.9	20.4	30.2	5.8	5.6	5.6	3.2	2.1	0.9	0.1	0.0	0.0	773.6	834.5	926.3	1080.5	0.0	0.0	6.8	7.2	25.5	2.1
04	55.8	33.7	44.7	4.7	3.5	4.0	23.2	15.2	7.5	1.8	0.3	0.1	330.7	382.7	465.1	609.3	0.0	0.0	20.8	0.7	11.6	0.0
05	67.8	46.6	57.2	3.8	3.3	3.3	147.5	113.7	73.8	30.3	8.8	4.6	79.3	107.5	160.6	272.2	0.0	0.8	29.9	0.0	1.0	0.0
06	77.3	57.1	67.2	2.4	2.4	2.2	370.2	314.0	234.2	119.7	43.7	26.3	4.4	8.2	18.3	53.7	0.0	2.0	30.0	0.0	0.0	0.0
07	81.3	60.9	71.1	3.1	2.9	3.0	499.0	437.3	345.3	200.6	86.6	55.1	0.1	0.3	1.3	11.5	0.0	3.3	31.0	0.0	0.0	0.0
08	79.0	58.4	68.7	2.6	2.3	2.3	425.0	363.9	274.0	141.1	49.6	27.9	0.4	1.3	4.4	26.4	0.0	1.3	31.0	0.0	0.0	0.0
09	72.2	50.1	61.2	3.2	2.9	2.8	220.0	175.8	119.0	51.6	15.0	7.7	35.7	51.5	84.6	167.2	0.0	0.6	29.9	0.0	0.4	0.0
10	58.6	36.9	47.7	4.2	3.0	3.4	42.1	29.5	16.8	5.4	1.0	0.6	266.9	316.3	396.5	540.2	0.0	0.0	24.2	0.3	8.8	0.0
11	41.5	23.4	32.5	6.8	4.9	5.8	1.9	0.8	0.1	0.0	0.0	0.0	678.3	737.3	826.6	976.5	0.0	0.0	8.3	7.1	22.7	0.5
12	27.7	10.8	19.2	5.2	6.1	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1108.1	1170.1	1263.1	1418.2	0.0	0.0	0.7	19.1	30.3	6.7
Summary	54.2	34.0	44.1	4.4	4.2	4.1	1732	1452	1072	551	205	122	5652	6102	6816	8121	0.0	8.0	213.3	76.4	158.6	30.0

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)								
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	0.96							
02	0.90							
03	1.80							
04	3.10							
05	4.32							
06	4.88							
07	4.51							
08	4.43							
09	3.44							
10	2.86							
11	1.71							
12	1.21							
Summary	34.12	0.0	0.0	0.0	0.0	0.00	0.00	0.00

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0.0	1.8	41.3	205.4	535.0	815.8	964.0	889.6	634.5	277.4	50.5	2.3
45	0.0	0.4	19.3	116.9	387.5	665.8	809.0	734.6	486.8	169.4	21.8	0.5
50	0.0	0.1	8.6	57.3	254.4	516.4	653.9	579.6	345.7	91.2	7.8	0.0
55	0.0	0.0	3.2	23.2	147.5	370.2	499.0	425.0	220.0	42.1	1.9	0.0
60	0.0	0.0	0.9	7.5	73.8	234.2	345.3	274.0	119.0	16.8	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	1.2	28.7	130.4	308.1	516.5	643.3	578.4	383.5	165.4	31.9	1.5

Growing Degree Units (Accumulated Monthly)												
40	0	2	43	248	784	1599	2563	3453	4087	4365	4415	4418
45	0	0	20	137	524	1190	1999	2734	3220	3390	3412	3412
50	0	0	9	66	320	837	1491	2070	2416	2507	2515	2515
55	0	0	3	26	174	544	1043	1468	1688	1730	1732	1732
60	0	0	1	8	82	316	662	936	1055	1072	1072	1072
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	30	160	468	985	1628	2207	2590	2756	2788	2789

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.