

Summary of Monthly Normals
1991-2020

Generated on 06/05/2024

Current Location: Elev: 930 ft. Lat: 44.8136° N Lon: 95.5517° W

Station: GRANITE FALLS, MN US USC00213311

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	24.1	2.7	13.4	5.9	6.1	5.9	0.0	0.0	0.0	0.0	0.0	0.0	1288.9	1350.7	1443.6	1599.0	0.0	0.0	0.5	21.6	30.9	14.2
02	29.0	6.6	17.8	6.8	8.3	7.4	0.0	0.0	0.0	0.0	0.0	0.0	1041.0	1096.9	1180.8	1321.1	0.0	0.0	1.0	20.0	27.8	12.6
03	42.0	19.7	30.8	6.1	5.5	5.6	3.5	2.3	1.2	0.2	0.0	0.0	752.2	813.1	904.9	1059.0	0.0	0.0	8.6	7.2	25.8	3.1
04	57.4	32.9	45.2	4.7	3.7	4.0	26.5	17.8	9.3	2.3	0.1	0.0	322.0	373.4	454.9	597.8	0.0	0.1	20.2	1.0	15.8	0.1
05	70.9	45.1	58.0	3.5	2.8	2.9	158.3	122.8	80.0	32.6	9.2	5.6	65.6	92.2	142.5	249.9	0.0	1.7	30.0	0.0	2.1	0.0
06	80.2	55.3	67.8	3.1	2.8	2.8	384.6	327.2	244.7	125.9	49.1	30.9	2.3	4.9	12.6	43.6	0.1	3.7	30.0	0.0	0.0	0.0
07	85.0	59.8	72.4	3.0	3.4	3.0	538.9	476.9	384.5	235.6	109.3	73.0	0.0	0.0	0.6	6.5	0.2	7.9	31.0	0.0	0.0	0.0
08	81.9	57.5	69.7	2.5	2.5	2.3	455.8	394.4	304.0	166.8	65.5	39.5	0.4	1.0	3.6	21.3	0.1	4.1	31.0	0.0	0.0	0.0
09	75.1	48.0	61.6	3.4	3.7	3.2	229.3	185.4	128.5	59.8	22.0	13.2	33.3	49.5	82.7	163.7	0.0	2.1	29.9	0.0	0.9	0.0
10	59.7	35.4	47.5	4.3	2.7	3.3	41.9	30.4	17.5	5.4	1.0	0.4	272.8	323.3	403.5	546.2	0.0	0.4	24.1	0.3	11.8	0.0
11	42.8	22.3	32.5	7.0	4.6	5.6	1.8	1.3	0.6	0.0	0.0	0.0	675.3	734.8	824.2	973.6	0.0	0.0	10.1	5.7	25.0	0.9
12	28.6	9.7	19.2	6.7	6.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1110.8	1172.7	1265.6	1420.9	0.0	0.0	0.9	19.8	30.5	9.2
Summary	56.4	32.9	44.7	4.7	4.4	4.4	1841	1559	1170	629	256	163	5565	6012	6720	8003	0.4	20.0	217.3	75.6	170.6	40.1

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	0.81	5.9	2.4	0.2	0.0	0.37	0.65	1.09	
02	0.83	5.3	2.6	0.5	0.0	0.37	0.72	1.24	
03	1.47	5.9	3.4	0.8	0.3	0.93	1.43	1.81	
04	2.41	7.3	5.2	1.6	0.4	1.29	2.41	3.05	
05	3.50	9.4	6.7	2.3	0.7	2.36	3.56	4.32	
06	4.56	10.4	7.5	3.1	1.2	3.06	3.94	4.88	
07	3.27	7.9	5.5	2.3	0.8	1.99	2.66	4.44	
08	3.81	7.7	5.1	2.7	1.3	2.83	3.43	4.40	
09	3.18	7.3	5.2	1.9	0.7	2.07	2.64	3.81	
10	2.35	7.3	4.7	1.8	0.6	0.87	2.54	3.27	
11	1.37	4.6	2.5	0.9	0.3	0.48	1.06	2.05	
12	1.08	5.5	2.8	0.5	0.1	0.28	0.80	1.79	
Summary	28.64	84.5	53.6	18.6	6.4	16.90	25.84	36.15	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	9.40	6.0	3.9	1.0	0.3	0.0					4.50	8.00	11.80
02	11.70	4.7	3.7	1.4	0.6	0.2					5.00	10.50	17.50
03	7.90	3.4	2.4	0.9	0.4	0.1					2.50	7.50	9.10
04	3.90	1.4	1.1	0.6	0.4	0.0					0.00	1.00	7.00
05	0.10	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	0.80	0.5	0.3	0.0	0.0	0.0					0.00	0.00	0.50
11	6.60	2.8	1.8	0.7	0.4	0.1					1.00	6.50	9.80
12	11.10	5.3	3.5	1.5	0.7	0.0					3.20	10.30	16.40
Summary	51.5	24.2	16.8	6.1	2.8	0.4	0.0	0.0	0.0	0.0	16.2	43.8	72.1

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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	0.2	4.9	47.7	222.0	558.7	832.3	1004.0	920.5	646.4	272.2	49.7	3.2
45	0.0	1.1	22.1	131.1	409.6	682.3	848.9	765.5	497.7	165.5	20.1	0.7
50	0.0	0.2	9.3	65.4	272.1	532.5	693.7	610.4	355.4	88.7	6.0	0.0
55	0.0	0.0	3.5	26.5	158.3	384.6	538.9	455.8	229.3	41.9	1.8	0.0
60	0.0	0.0	1.2	9.3	80.0	244.7	384.5	304.0	128.5	17.5	0.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.9	4.4	39.7	152.3	340.5	530.7	669.1	604.1	410.7	179.5	38.0	2.9
Growing Degree Units (Accumulated Monthly)												
40	0	5	53	275	834	1666	2670	3590	4237	4509	4559	4562
45	0	1	23	154	564	1246	2095	2861	3358	3524	3544	3545
50	0	0	10	75	347	880	1573	2184	2539	2628	2634	2634
55	0	0	4	30	188	573	1112	1568	1797	1839	1841	1841
60	0	0	1	10	90	335	720	1024	1152	1170	1170	1170
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	5	45	197	538	1068	1738	2342	2752	2932	2970	2973

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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