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

Summary of Monthly Normals
1991-2020

Generated on 11/11/2026

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

Current Location: Elev: 778 ft. Lat: 42.8939° N Lon: 85.5447° W

Station: **GRAND RAPIDS, MI US USW00094860**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	31.0	18.6	24.8	4.0	5.1	4.5	0.1	0.0	0.0	0.0	0.0	0.0	936.1	998.1	1091.0	1246.1	0.0	0.0	1.2	17.8	28.1	2.2
02	33.7	19.5	26.6	4.9	5.4	5.1	0.2	0.1	0.0	0.0	0.0	0.0	795.3	851.2	935.1	1075.1	0.0	0.0	1.8	13.7	25.4	1.5
03	44.5	26.9	35.7	5.1	4.5	4.7	8.6	6.1	3.6	1.2	0.2	0.1	606.9	666.4	756.9	909.5	0.0	0.0	9.1	4.8	22.8	0.3
04	57.8	37.3	47.6	3.9	2.6	3.1	37.0	25.9	14.4	4.6	0.5	0.2	260.5	309.4	387.9	528.1	0.0	0.0	22.3	0.3	9.6	0.0
05	69.8	48.6	59.2	3.8	3.3	3.4	184.3	146.3	99.7	45.1	15.4	8.7	54.1	78.1	124.5	224.9	0.0	0.4	30.3	0.0	0.9	0.0
06	79.4	58.3	68.9	2.4	2.0	1.9	417.0	359.1	276.1	153.6	65.3	42.2	1.6	3.7	10.7	38.2	0.0	2.7	30.0	0.0	0.0	0.0
07	83.1	62.5	72.8	3.1	2.6	2.8	551.7	489.7	396.9	247.0	119.9	81.5	0.0	0.0	0.1	5.2	0.1	4.3	31.0	0.0	0.0	0.0
08	80.9	61.2	71.1	2.5	2.5	2.4	497.5	435.5	343.4	199.8	85.9	54.8	0.0	0.0	1.0	12.3	0.0	1.9	31.0	0.0	0.0	0.0
09	73.9	53.1	63.5	3.4	2.5	2.7	272.2	222.8	156.6	73.4	25.8	15.1	17.2	27.8	51.7	118.5	0.0	0.7	29.9	0.0	0.2	0.0
10	60.7	42.2	51.5	2.7	2.4	2.4	63.5	45.6	25.3	7.5	2.0	1.1	173.6	217.7	290.3	427.5	0.0	0.0	26.7	0.0	4.0	0.0
11	47.2	32.8	40.0	5.0	3.1	3.9	6.5	3.8	1.3	0.1	0.0	0.0	456.5	513.8	601.3	750.0	0.0	0.0	11.9	2.4	16.0	0.0
12	36.1	24.7	30.4	4.3	4.1	4.1	0.3	0.2	0.1	0.0	0.0	0.0	762.8	824.7	917.5	1072.5	0.0	0.0	2.8	11.5	26.2	0.5
Summary	58.2	40.5	49.3	3.8	3.3	3.4	2039	1735	1317	732	315	204	4065	4491	5168	6408	0.1	10.0	228.0	50.5	133.2	4.5

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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	2.52	16.8	7.2	1.1	0.2	1.37	2.42	3.54
02	2.12	13.1	5.5	1.0	0.2	1.18	1.90	2.73
03	2.39	11.8	6.2	1.3	0.3	1.33	2.27	3.30
04	3.99	12.8	7.7	2.5	1.0	2.77	3.83	4.33
05	4.00	12.5	7.8	2.3	0.8	2.51	3.40	4.76
06	3.94	10.7	6.4	2.7	1.2	2.25	3.60	5.10
07	3.86	10.0	6.2	2.5	1.0	2.25	3.39	5.25
08	3.55	9.9	6.1	2.6	0.9	1.92	3.41	4.27
09	3.43	10.2	6.4	2.2	0.8	2.04	2.76	4.60
10	4.02	12.5	7.7	2.4	1.0	2.62	3.20	5.58
11	3.10	12.9	6.9	1.9	0.6	2.16	2.68	3.96
12	2.48	15.5	7.0	1.0	0.3	1.82	2.45	2.94
Summary	39.40	148.7	81.1	23.5	8.3	24.22	35.31	50.36

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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	22.60	14.9	7.2	2.4	0.8	0.0	23.0	16.4	10.3	2.2	13.90	21.00	28.10
02	17.20	11.2	5.5	2.0	0.7	0.1	18.0	12.8	9.7	4.1	9.70	15.50	20.70
03	7.60	5.9	2.1	0.6	0.4	0.0	8.2	5.1	3.3	0.8	2.90	5.00	13.10
04	2.00	2.1	0.5	0.2	0.0	0.0	0.7	0.2	0.1	0.0	0.00	0.90	2.30
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.0	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	0.0	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	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.30	0.4	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.10
11	7.10	4.5	2.0	0.8	0.3	0.1	3.2	1.1	0.5	0.1	0.60	3.50	10.30
12	20.80	11.9	6.1	2.1	0.8	0.1	14.3	8.4	4.8	1.1	8.90	15.60	28.90
Summary	77.6	50.9	23.5	8.1	3.0	0.3	67.5	44.0	28.7	8.3	36.0	61.5	103.5

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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	6.2	10.5	74.4	257.9	595.5	865.3	1016.7	962.4	704.9	361.3	108.4	18.2
45	1.6	3.3	38.2	152.4	443.4	715.4	861.7	807.5	555.5	229.9	51.6	6.0
50	0.3	0.7	18.0	79.8	302.6	565.5	706.7	652.5	409.0	130.4	20.9	1.6
55	0.1	0.2	8.6	37.0	184.3	417.0	551.7	497.5	272.2	63.5	6.5	0.3
60	0.0	0.0	3.6	14.4	99.7	276.1	396.9	343.4	156.6	25.3	1.3	0.1
Growing Degree Units for Corn (Monthly)												
50/86	2.3	4.8	44.7	149.7	350.5	561.6	688.6	644.6	430.7	189.4	49.4	6.7

Growing Degree Units (Accumulated Monthly)

40	6	17	91	349	944	1810	2826	3789	4494	4855	4964	4982
45	2	5	43	196	639	1354	2216	3024	3579	3809	3860	3866
50	0	1	19	99	401	967	1674	2326	2735	2866	2886	2888
55	0	0	9	46	230	647	1199	1696	1969	2032	2039	2039
60	0	0	4	18	118	394	791	1134	1291	1316	1317	1317
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	7	52	202	552	1114	1802	2447	2877	3067	3116	3123

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

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