

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

Summary of Monthly Normals 1981-2010

National Climatic Data Center
Federal Building

151 Patton Avenue

Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: **MIDDLETOWN 4 W, CT US**

GHCND:USC00064767

Elev: 367 ft. Lat: 41.550° N Lon: 72.717° W

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (below)									
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
1	36.6	20.8	28.7	3.8	4.8	4.3	-7777	0	0	0	0	0	815	877	970	1125	0.0	0.0	2.1	9.6	26.4	1.2
2	40.3	23.4	31.8	3.9	3.6	3.7	-7777	0	0	0	0	0	648	704	788	928	0.0	0.0	3.9	5.2	22.5	0.3
3	47.7	30.4	39.1	3.2	2.7	2.8	4	2	1	-7777	-7777	0	499	559	650	804	0.0	0.0	11.6	1.2	17.5	0.0
4	60.6	39.8	50.2	2.9	2.2	2.4	39	25	12	3	-7777	-7777	183	229	306	447	0.0	0.0	26.9	0.1	4.5	0.0
5	71.3	48.6	60.0	3.0	2.8	2.8	187	142	87	33	9	4	33	51	89	190	0.0	0.1	30.9	0.0	0.3	0.0
6	80.0	58.0	69.0	2.5	1.6	1.8	421	363	279	153	62	37	1	3	9	34	0.0	2.1	30.0	0.0	0.0	0.0
7	84.9	63.0	73.9	2.1	2.0	1.9	587	525	432	280	142	98	0	0	-7777	3	0.1	5.3	31.0	0.0	0.0	0.0
8	82.0	61.8	71.9	1.8	2.0	1.7	524	462	370	225	101	64	-7777	-7777	1	11	0.0	2.0	31.0	0.0	0.0	0.0
9	73.9	54.3	64.1	2.4	1.8	2.0	286	235	167	81	31	19	13	22	44	108	0.0	0.7	30.0	0.0	0.0	0.0
10	61.7	43.9	52.8	2.8	2.6	2.5	69	48	26	7	1	1	137	178	249	385	0.0	0.0	29.4	0.0	2.8	0.0
11	52.0	36.2	44.1	3.4	3.1	3.1	12	6	2	-7777	0	0	339	394	479	627	0.0	0.0	17.4	0.2	9.9	0.0
12	40.8	25.8	33.3	4.5	4.6	4.5	1	-7777	0	0	0	0	673	735	828	983	0.0	0.0	5.0	5.2	23.2	0.3
Summary	61.0	42.2	51.6	3.0	2.8	2.8	2130	1808	1376	782	346	223	3341	3752	4413	5645	0.1	10.2	249.2	21.5	107.1	1.8

@ Denotes mean number of days greater than 0 but less than 0.05; or insufficient data for calculation.

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

9999, Empty, or blank, cells indicate an average greater than 0 but less than 0.05.

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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	.25	.50	.75
1	3.75	10.5	7.0	3.0	0.9	2.50	3.44	5.19
2	3.34	9.5	6.9	2.4	0.8	2.43	3.05	4.00
3	4.35	9.7	6.7	2.7	1.3	2.86	4.36	5.21
4	4.42	11.1	7.5	3.1	0.9	2.18	3.89	5.49
5	4.22	11.3	7.6	2.2	1.3	2.72	3.89	5.07
6	4.96	11.0	6.9	2.8	1.1	3.08	4.32	6.64
7	4.38	10.3	6.6	3.2	1.2	3.03	4.16	5.69
8	4.02	9.0	5.1	2.9	1.5	2.64	3.65	4.46
9	3.69	9.5	6.1	2.8	1.1	2.31	3.18	5.12
10	5.37	9.1	5.9	2.9	1.8	2.76	3.93	7.57
11	4.34	10.2	6.6	3.6	1.5	2.88	3.94	5.11
12	4.32	10.5	7.0	2.8	1.1	2.55	4.36	5.71
Summary	51.16	121.7	79.9	34.4	14.5	31.94	46.17	65.26

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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	0.1	1.0	3.0	5.0	10.0	1	3	5	10	.25	.50	.75
1	10.9	4.5	3.3	1.4	0.7	0.1	14.5	11.2	7.9	4.5	4.3	9.1	17.8
2	8.7	3.4	2.8	1.1	0.5	0.1	13.3	10.6	7.9	3.5	4.2	6.7	12.1
3	5.7	2.4	2.1	0.9	0.3	0.0	6.5	5.3	3.9	2.0	0.0	2.5	11.0
4	1.2	0.5	0.3	0.1	0.1	0.1	0.4	0.1	0.1	0.0	0.0	0.0	1.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.5	0.5	0.4	0.3	0.2	0.0	0.9	0.6	0.4	0.0	0.0	0.0	2.2
12	7.6	3.1	2.4	0.9	0.4	0.1	6.3	4.2	3.2	0.5	5.2	6.2	9.5
Summary	35.6	14.4	11.3	4.7	2.2	0.4	41.9	32.0	23.4	10.5	13.7	24.5	53.6

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	17	24	92	315	618	870	1052	989	723	399	170	36
45	5	8	40	190	464	720	897	834	573	259	89	12
50	1	2	14	97	317	570	742	679	425	146	37	3
55	-7777	-7777	4	39	187	421	587	524	286	69	12	1
60	0	0	1	12	87	279	432	370	167	26	2	0
Growing Degree Units for Corn (Monthly)												
50/86	6	9	43	171	366	567	716	670	446	205	73	13

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	17	41	133	448	1066	1936	2988	3977	4700	5099	5269	5305
45	5	13	53	243	707	1427	2324	3158	3731	3990	4079	4091
50	1	3	17	114	431	1001	1743	2422	2847	2993	3030	3033
55	-7777	-7777	4	43	230	651	1238	1762	2048	2117	2129	2130
60	0	0	1	13	100	379	811	1181	1348	1374	1376	1376
Growing Degree Units for Corn (Monthly)												
50/86	6	15	58	229	595	1162	1878	2548	2994	3199	3272	3285

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

M indicates the value is missing

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