

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: **GROTON, CT US**

GHCND:USC00063207
Elev: 39 ft. Lat: 41.351° N Lon: 72.039° 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	38.4	22.5	30.5	4.5	5.4	4.8	-7777	-7777	0	0	0	0	761	823	916	1071	0.0	0.0	3.7	7.4	25.5	0.6
2	41.0	24.9	32.9	3.2	3.1	3.0	-7777	0	0	0	0	0	617	673	757	897	0.0	0.0	3.9	4.0	21.5	0.1
3	47.9	31.6	39.7	2.6	2.2	2.2	1	-7777	-7777	-7777	0	0	474	535	628	783	0.0	0.0	11.9	0.9	15.6	0.0
4	57.4	40.9	49.1	2.2	1.8	1.9	22	13	6	1	-7777	-7777	198	249	331	477	0.0	-7777	24.8	0.0	2.5	0.0
5	66.9	49.5	58.2	3.1	1.5	2.2	132	94	52	15	3	1	33	57	108	226	0.0	0.0	30.9	0.0	0.0	0.0
6	75.7	59.1	67.4	2.0	1.7	1.6	373	314	231	112	37	21	1	2	9	40	0.0	0.6	30.0	0.0	0.0	0.0
7	81.0	65.3	73.1	2.3	1.8	1.9	562	501	408	255	118	76	0	0	-7777	2	-7777	1.7	31.0	0.0	0.0	0.0
8	79.9	64.5	72.2	1.9	1.7	1.6	533	471	378	227	101	65	0	-7777	-7777	4	0.0	0.6	31.0	0.0	0.0	0.0
9	73.6	57.2	65.4	1.7	1.9	1.6	317	263	187	87	28	15	6	11	25	75	0.0	0.2	30.0	0.0	0.0	0.0
10	63.2	46.0	54.6	2.3	2.5	2.3	83	58	30	8	1	-7777	95	132	197	330	0.0	0.0	30.0	0.0	0.8	0.0
11	53.9	37.9	45.9	2.5	2.4	2.2	14	8	3	-7777	0	0	287	341	426	573	0.0	0.0	20.5	0.1	8.1	0.0
12	43.6	28.2	35.9	3.6	4.2	3.8	2	1	-7777	0	0	0	594	655	747	902	0.0	0.0	7.2	3.1	21.0	0.1
Summary	60.2	44.0	52.1	2.7	2.5	2.4	2039	1723	1295	705	288	178	3066	3478	4144	5380	0.0	3.1	254.9	15.5	95.0	0.8

@ 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

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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	3.78	10.5	7.0	2.8	0.7	2.83	3.51	5.09
2	3.51	9.1	6.6	2.5	0.9	2.61	3.14	4.51
3	5.07	10.8	7.7	3.1	1.2	3.13	5.03	6.31
4	4.54	10.9	7.3	2.8	1.3	2.71	4.47	5.77
5	3.65	11.0	7.5	2.3	0.7	2.51	3.44	4.60
6	4.08	9.6	6.2	2.3	1.2	2.20	3.40	5.03
7	3.63	9.2	5.9	2.6	1.1	1.94	3.21	4.58
8	4.29	8.4	5.7	2.8	1.4	2.46	3.54	5.50
9	4.16	9.1	6.1	2.9	1.3	2.55	4.07	4.95
10	4.15	9.0	6.1	2.7	1.0	2.13	3.39	5.71
11	4.54	10.3	6.8	3.4	1.4	2.80	4.07	5.49
12	4.28	11.0	7.8	3.0	1.1	3.01	3.93	5.49
Summary	49.68	118.9	80.7	33.2	13.3	30.88	45.20	63.03

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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	6.0	3.4	2.5	1.0	0.3	-7777	8.7	4.1	2.1	0.6	1.7	4.0	10.4
2	7.5	2.5	1.9	0.9	0.4	0.1	6.1	2.8	1.8	0.5	1.9	5.2	10.2
3	3.0	1.6	1.0	0.3	0.2	0.0	2.3	1.2	0.6	0.0	0.0	1.8	5.5
4	0.8	0.3	0.3	0.1	0.1	0.0	0.3	0.1	-7777	0.0	0.0	0.0	0.0
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	0.8	0.2	0.2	0.1	-7777	0.0	0.3	0.1	-7777	0.0	0.0	0.0	0.0
12	5.1	2.2	1.5	0.6	0.2	0.0	4.1	1.2	0.4	0.0	2.0	3.6	8.0
Summary	23.2	10.2	7.4	3.0	1.2	0.1	21.8	9.5	4.9	1.1	5.6	14.6	34.1

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	22	21	87	281	564	822	1027	998	762	453	206	53
45	6	5	32	155	409	672	873	843	612	304	108	21
50	1	-7777	7	67	260	522	717	688	463	176	45	6
55	-7777	-7777	1	22	132	373	562	533	317	83	14	2
60	0	0	-7777	6	52	231	408	378	187	30	3	-7777
Growing Degree Units for Corn (Monthly)												
50/86	8	8	37	124	295	521	709	683	473	233	90	20

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	22	43	130	411	975	1797	2824	3822	4584	5037	5243	5296
45	6	11	43	198	607	1279	2152	2995	3607	3911	4019	4040
50	1	-7777	8	75	335	857	1574	2262	2725	2901	2946	2952
55	-7777	-7777	1	23	155	528	1090	1623	1940	2023	2037	2039
60	0	0	-7777	6	58	289	697	1075	1262	1292	1295	-7777
Growing Degree Units for Corn (Monthly)												
50/86	8	16	53	177	472	993	1702	2385	2858	3091	3181	3201

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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