

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: **MOUNT CARMEL, CT US**

GHCND:USC00065077
Elev: 180 ft. Lat: 41.408° N Lon: 72.903° 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	37.3	19.5	28.4	4.1	4.7	4.3	-7777	-7777	0	0	0	0	825	886	979	1134	0.0	0.0	3.1	8.7	27.5	1.8
2	40.9	22.2	31.6	3.7	3.2	3.3	-7777	0	0	0	0	0	656	712	796	936	0.0	0.0	4.4	4.1	23.8	0.3
3	49.2	28.4	38.8	3.6	2.3	2.7	3	1	-7777	-7777	-7777	-7777	505	566	658	812	0.0	0.0	13.9	0.8	20.4	0.0
4	60.8	38.2	49.5	2.6	1.8	2.1	31	19	9	2	-7777	-7777	196	244	324	467	0.0	0.1	27.0	0.2	6.0	0.0
5	71.6	47.5	59.6	3.0	1.8	2.3	170	127	77	29	7	4	29	48	91	198	0.0	0.7	30.9	0.0	0.3	0.0
6	79.7	56.8	68.2	2.4	2.0	2.0	398	339	255	133	48	28	1	2	8	35	0.0	2.1	30.0	0.0	0.0	0.0
7	84.8	62.6	73.7	2.4	2.0	2.1	580	518	425	271	135	92	0	0	-7777	2	0.2	5.2	31.0	0.0	0.0	0.0
8	83.2	61.1	72.1	2.3	1.9	2.0	532	470	377	229	105	69	-7777	-7777	1	8	0.0	3.4	31.0	0.0	0.0	0.0
9	75.7	53.4	64.5	2.1	1.7	1.6	296	244	174	84	30	18	10	18	37	97	0.0	1.0	30.0	0.0	0.1	0.0
10	64.1	42.2	53.1	2.6	2.9	2.5	72	51	27	7	1	-7777	130	170	240	374	0.0	0.0	30.1	0.0	3.9	0.0
11	53.4	34.4	43.9	3.4	2.4	2.7	12	7	2	-7777	0	0	345	400	485	633	0.0	0.0	19.0	0.1	13.3	0.0
12	41.4	25.3	33.3	4.7	4.2	4.4	1	-7777	-7777	0	0	0	672	733	826	981	0.0	0.0	5.8	5.0	23.5	0.4
Summary	61.8	41.0	51.4	3.1	2.6	2.7	2095	1776	1346	755	326	211	3369	3779	4445	5677	0.2	12.5	256.2	18.9	118.8	2.5

@ 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	3.71	9.4	6.4	2.6	0.6	2.51	3.29	4.70
2	3.34	8.8	6.2	2.6	0.8	2.44	3.07	3.99
3	4.53	10.0	7.1	3.1	1.0	2.97	4.49	6.18
4	4.75	11.2	7.2	3.1	1.5	2.59	3.77	5.81
5	4.89	11.0	7.7	2.7	1.2	3.37	4.38	5.68
6	5.00	10.1	7.2	2.3	1.2	1.80	3.89	6.38
7	4.27	8.9	6.7	2.9	1.3	3.02	3.78	5.93
8	4.02	8.2	6.1	2.5	1.1	2.46	3.57	4.73
9	4.14	9.5	6.2	2.9	1.0	2.83	3.63	5.30
10	5.17	9.0	5.8	2.6	1.5	2.76	3.89	7.40
11	4.40	9.9	7.2	3.8	1.7	3.01	3.64	5.92
12	4.09	10.1	6.8	3.0	0.9	2.36	4.44	5.54
Summary	52.31	116.1	80.6	34.1	13.8	32.12	45.84	67.56

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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	9.0	4.7	3.1	1.2	0.5	0.0	13.5	7.6	5.7	1.3	2.5	7.0	16.3
2	8.3	3.1	2.4	1.1	0.4	0.1	11.0	7.1	4.1	0.9	3.0	6.0	12.0
3	5.2	2.4	1.5	0.8	0.3	0.1	5.1	2.5	0.9	0.2	0.4	1.5	9.5
4	0.9	0.2	0.2	0.2	0.2	0.0	0.7	0.4	0.2	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	1.3	0.6	0.4	0.2	0.1	0.0	0.8	0.3	0.2	0.0	0.0	0.0	2.0
12	6.3	3.0	1.9	0.7	0.4	0.0	7.3	4.1	2.0	0.7	3.6	6.0	8.5
Summary	31.0	14.0	9.5	4.2	1.9	0.2	38.4	22.0	13.1	3.1	9.5	20.5	48.3

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	15	21	86	294	606	847	1044	996	736	410	166	39
45	4	6	36	173	451	697	889	841	586	268	87	13
50	1	1	12	82	302	547	734	687	438	152	36	3
55	-7777	-7777	3	31	170	398	580	532	296	72	12	1
60	0	0	-7777	9	77	255	425	377	174	27	2	-7777
Growing Degree Units for Corn (Monthly)												
50/86	8	12	54	170	361	547	708	671	463	237	86	16

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	15	36	122	416	1022	1869	2913	3909	4645	5055	5221	5260
45	4	10	46	219	670	1367	2256	3097	3683	3951	4038	4051
50	1	2	14	96	398	945	1679	2366	2804	2956	2992	2995
55	-7777	-7777	3	34	204	602	1182	1714	2010	2082	2094	2095
60	0	0	-7777	9	86	341	766	1143	1317	1344	1346	-7777
Growing Degree Units for Corn (Monthly)												
50/86	8	20	74	244	605	1152	1860	2531	2994	3231	3317	3333

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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