

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: **STORRS, CT US**

GHCND:USC00068138

Elev: 666 ft. Lat: 41.795° N Lon: 72.228° 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	33.1	18.5	25.8	4.9	5.6	5.2	-7777	0	0	0	0	0	905	967	1060	1215	0.0	0.0	2.2	14.3	27.5	1.6
2	36.9	21.6	29.2	4.3	3.7	3.9	-7777	0	0	0	0	0	721	777	861	1001	0.0	0.0	3.4	8.6	24.3	0.1
3	44.3	28.0	36.2	3.2	2.7	2.8	1	1	-7777	-7777	-7777	-7777	586	647	739	894	0.0	0.0	8.8	3.1	20.5	0.0
4	56.2	38.1	47.1	2.8	1.8	2.2	26	18	10	3	1	1	262	313	395	539	0.0	-7777	21.4	0.1	6.2	0.0
5	66.7	47.0	56.9	3.1	1.8	2.3	121	89	52	17	3	1	64	93	150	269	0.0	0.1	30.1	0.0	0.2	0.0
6	74.9	56.7	65.8	2.2	2.4	2.0	328	273	196	94	32	18	4	9	22	70	0.0	0.5	30.0	0.0	0.0	0.0
7	79.1	61.8	70.4	2.0	2.1	1.8	479	417	325	179	69	40	-7777	-7777	1	10	0.0	0.7	31.0	0.0	0.0	0.0
8	78.0	60.2	69.1	2.0	2.2	1.9	437	376	285	146	52	29	-7777	1	3	19	0.0	0.5	31.0	0.0	0.0	0.0
9	71.0	53.0	62.0	2.4	2.4	2.2	230	182	120	47	13	6	20	32	60	137	0.0	0.2	30.0	0.0	0.1	0.0
10	60.1	42.2	51.2	2.6	2.8	2.5	48	32	16	4	-7777	-7777	168	213	290	433	0.0	0.0	27.2	0.0	2.8	0.0
11	49.7	34.7	42.2	2.9	2.2	2.4	7	4	1	-7777	0	0	391	448	535	684	0.0	0.0	14.2	1.1	11.7	0.0
12	38.0	24.4	31.2	4.7	4.4	4.5	1	-7777	-7777	0	0	0	738	800	893	1048	0.0	0.0	4.5	9.0	24.5	0.2
Summary	57.3	40.5	48.9	3.1	2.8	2.8	1678	1392	1005	490	170	95	3859	4300	5009	6319	0.0	2.0	233.8	36.2	117.8	1.9

@ 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	3.79	9.7	6.2	2.4	0.8	2.28	3.27	5.34
2	3.34	8.9	6.5	2.5	0.9	2.17	3.03	3.87
3	4.44	9.9	7.0	3.0	1.3	3.20	4.33	5.93
4	4.53	10.6	7.5	2.8	1.1	2.55	4.06	6.27
5	3.97	12.2	8.3	2.4	0.9	2.76	3.63	4.63
6	4.46	11.1	7.4	2.5	1.2	2.21	3.93	6.02
7	3.94	10.4	7.0	2.6	1.2	2.67	3.49	4.85
8	3.81	9.2	6.4	2.9	1.0	2.45	3.52	4.91
9	4.09	9.1	6.5	2.8	1.1	2.23	3.38	5.91
10	4.60	9.5	6.6	3.0	1.7	2.53	4.10	5.33
11	4.57	9.9	6.9	3.3	1.5	2.98	4.36	5.15
12	4.21	9.8	7.1	3.0	1.1	2.48	4.38	6.07
Summary	49.75	120.3	83.4	33.2	13.8	30.51	45.48	64.28

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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	8.1	3.5	2.8	1.2	0.6	0.0	@	@	@	@	4.6	8.0	9.0
2	11.1	3.0	2.4	1.1	0.5	0.2	@	@	@	@	4.3	7.5	18.1
3	5.5	2.0	1.8	0.6	0.3	-7777	@	@	@	@	0.0	4.3	8.6
4	1.1	0.2	0.2	0.1	0.1	-7777	@	@	@	@	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
6	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
8	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
10	0.0	0.0	0.0	0.0	0.0	0.0	@	@	@	@	0.0	0.0	0.0
11	0.9	0.4	0.3	0.1	-7777	0.0	@	@	@	@	0.0	0.0	1.5
12	6.7	2.1	1.8	0.8	0.4	0.1	@	@	@	@	0.0	8.7	11.8
Summary	33.4	11.2	9.3	3.9	1.9	0.3	9999	9999	9999	9999	8.9	28.5	49.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	11	17	60	237	522	774	944	902	660	351	137	28
45	3	5	23	134	371	624	789	747	510	218	67	11
50	-7777	1	7	64	232	474	634	592	364	116	26	4
55	-7777	-7777	1	26	121	328	479	437	230	48	7	1
60	0	0	-7777	10	52	196	325	285	120	16	1	-7777
Growing Degree Units for Corn (Monthly)												
50/86	5	8	31	121	283	480	630	591	389	176	59	12

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	11	28	88	325	847	1621	2565	3467	4127	4478	4615	4643
45	3	8	31	165	536	1160	1949	2696	3206	3424	3491	3502
50	-7777	1	8	72	304	778	1412	2004	2368	2484	2510	2514
55	-7777	-7777	1	27	148	476	955	1392	1622	1670	1677	1678
60	0	0	-7777	10	62	258	583	868	988	1004	1005	-7777
Growing Degree Units for Corn (Monthly)												
50/86	5	13	44	165	448	928	1558	2149	2538	2714	2773	2785

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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