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

Summary of Monthly Normals
1991-2020

Generated on 11/05/2026

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

Current Location: Elev: 145 ft. Lat: 42.3861° N Lon: 72.5375° W

Station: **AMHERST, MA US USC00190120**

Temperature (°F)

	Mean						Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
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	34.0	13.8	23.9	4.0	6.0	4.9	0.1	0.0	0.0	0.0	0.0	0.0	964.0	1026.1	1118.9	1273.9	0.0	0.0	2.2	12.6	29.3	4.8
02	37.0	15.3	26.2	4.3	5.6	4.8	0.1	0.0	0.0	0.0	0.0	0.0	807.8	863.8	947.7	1087.7	0.0	0.0	3.1	8.5	26.7	2.9
03	45.2	24.1	34.7	4.1	4.3	4.1	2.2	1.4	0.7	0.1	0.0	0.0	633.0	694.3	786.5	940.9	0.0	0.0	9.8	2.8	25.1	0.7
04	58.2	34.4	46.3	3.3	1.9	2.4	25.1	17.4	9.7	2.9	0.5	0.1	286.1	338.4	420.7	563.9	0.0	0.2	23.6	0.1	12.8	0.0
05	69.5	45.4	57.5	3.6	2.6	2.8	138.7	104.5	65.1	24.9	6.0	2.9	62.8	90.6	144.1	259.0	0.0	0.6	30.4	0.0	1.6	0.0
06	78.0	55.0	66.5	2.1	1.9	1.5	348.7	292.4	213.4	106.1	38.8	22.8	3.7	7.4	18.5	61.1	0.0	2.3	30.0	0.0	0.0	0.0
07	83.1	60.2	71.7	2.5	2.5	2.3	516.1	454.2	361.6	213.6	94.4	60.6	0.0	0.1	0.6	7.5	0.0	5.3	31.0	0.0	0.0	0.0
08	81.5	58.3	69.9	2.2	2.3	2.1	461.9	400.2	308.7	169.5	66.7	40.1	0.1	0.3	1.9	17.6	0.0	3.2	31.0	0.0	0.0	0.0
09	74.4	50.3	62.3	2.4	2.7	2.3	240.7	193.7	133.0	58.4	18.1	9.8	20.3	33.2	62.6	138.0	0.0	0.8	30.0	0.0	0.4	0.0
10	61.9	38.6	50.2	2.8	3.1	2.6	45.3	30.5	15.7	4.2	0.6	0.2	192.5	239.7	317.9	461.4	0.0	0.0	28.7	0.0	9.3	0.0
11	49.7	29.1	39.4	3.7	2.7	3.0	4.3	2.2	0.7	0.0	0.0	0.0	472.3	530.2	618.7	768.0	0.0	0.0	14.3	0.6	20.5	0.0
12	39.2	20.8	30.0	3.8	4.3	3.9	0.1	0.0	0.0	0.0	0.0	0.0	775.0	837.0	930.0	1085.0	0.0	0.0	4.5	6.3	27.4	1.1
Summary	59.3	37.1	48.2	3.2	3.3	3.1	1783	1496	1109	580	225	136	4218	4661	5368	6664	0.0	12.4	238.6	30.9	153.1	9.5

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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

Summary of Monthly Normals
1991-2020

Generated on 11/05/2026

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

Current Location: Elev: 145 ft. Lat: 42.3861° N Lon: 72.5375° W

Station: **AMHERST, MA US USC00190120**

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	3.36	10.8	7.2	2.4	0.6	2.14	2.99	4.14
02	2.93	9.2	6.1	2.2	0.5	1.81	2.66	3.39
03	3.47	9.5	6.7	2.6	0.7	2.13	3.23	4.80
04	3.79	11.1	7.3	2.5	0.7	2.58	3.67	4.54
05	3.71	12.6	7.4	2.5	0.9	2.56	3.68	4.74
06	4.46	11.3	7.5	3.1	1.4	2.65	4.28	5.90
07	4.12	11.0	7.4	2.6	1.1	2.51	3.65	5.39
08	4.12	10.0	6.6	2.7	1.3	2.73	3.62	5.22
09	4.62	8.9	6.3	3.1	1.6	2.50	3.38	6.83
10	4.74	10.8	7.2	3.1	1.7	2.88	4.16	5.67
11	3.38	9.5	6.2	2.5	0.7	2.69	3.35	4.41
12	3.89	10.6	7.3	2.8	0.9	2.88	4.17	4.53
Summary	46.59	125.3	83.2	32.1	12.1	30.06	42.84	59.56

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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

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

Summary of Monthly Normals
1991-2020

Generated on 11/05/2026

Current Location: Elev: 145 ft. Lat: 42.3861° N Lon: 72.5375° W

Station: **AMHERST, MA US USC00190120**

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	8.10	5.6	3.7	1.3	0.5	0.0	16.6	11.7	8.0	3.1	3.80	6.40	11.10
02	11.00	5.0	3.2	1.3	0.5	0.2	16.6	13.7	9.5	3.4	5.60	9.60	12.90
03	7.30	3.1	2.2	1.1	0.3	0.0	9.4	7.3	5.4	1.3	2.30	6.30	8.20
04	1.00	0.6	0.3	0.1	0.0	0.0	0.5	0.1	0.1	0.0	0.00	0.00	0.80
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	0.00	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	1.60	0.9	0.5	0.2	0.1	0.0	1.2	0.6	0.3	0.0	0.00	0.00	2.90
12	7.50	3.7	2.3	1.2	0.5	0.0	9.9	6.0	3.4	0.8	1.40	7.40	10.20
Summary	36.5	19.0	12.2	5.2	1.9	0.2	54.2	39.4	26.7	8.6	13.1	29.7	46.1

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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

Summary of Monthly Normals 1991-2020

Generated on 11/05/2026

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

Current Location: Elev: 145 ft. Lat: 42.3861° N Lon: 72.5375° W

Station: **AMHERST, MA US USC00190120**

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	6.4	7.3	48.0	217.4	541.2	794.9	981.0	926.8	670.4	327.4	91.0	18.4
45	1.9	2.0	18.7	119.6	389.7	645.0	826.0	771.8	521.1	201.2	42.0	5.5
50	0.6	0.5	6.4	58.5	250.1	495.5	671.0	616.8	374.9	106.5	16.0	1.2
55	0.1	0.1	2.2	25.1	138.7	348.7	516.1	461.9	240.7	45.3	4.3	0.1
60	0.0	0.0	0.7	9.7	65.1	213.4	361.6	308.7	133.0	15.7	0.7	0.0
Growing Degree Units for Corn (Monthly)												
50/86	5.6	7.8	36.9	144.5	323.4	503.5	654.6	610.3	421.1	199.5	59.0	11.1
Growing Degree Units (Accumulated Monthly)												
40	6	14	62	279	820	1615	2596	3523	4193	4521	4612	4630
45	2	4	23	142	532	1177	2003	2775	3296	3497	3539	3544
50	1	1	8	66	316	812	1483	2099	2474	2581	2597	2598
55	0	0	2	28	166	515	1031	1493	1734	1779	1783	1783
60	0	0	1	10	76	289	650	959	1092	1108	1109	1109
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	6	13	50	195	518	1022	1676	2287	2708	2907	2966	2977

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

Empty or blank cells indicate data is missing or insufficient occurrences to compute value.