

Summary of Monthly Normals
1991-2020

Current Location: Elev: 45 ft. Lat: 41.8819° N Lon: 70.9086° W
Station: MIDDLEBORO, MA US USC00194711
Generated on 04/26/2024

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	37.7	17.4	27.6	3.7	4.2	3.9	0.0	0.0	0.0	0.0	0.0	0.0	850.7	912.7	1005.8	1160.7	0.0	0.0	3.8	8.8	28.9	1.7
02	39.6	19.2	29.4	4.3	4.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	716.7	772.7	856.7	996.7	0.0	0.0	4.7	6.3	25.7	1.3
03	46.0	25.9	35.9	3.4	3.8	3.5	2.9	1.8	0.9	0.2	0.0	0.0	593.4	654.3	746.3	900.6	0.0	0.0	11.0	2.1	23.1	0.1
04	57.0	35.6	46.3	2.6	1.9	2.1	20.4	14.8	8.5	2.0	0.0	0.0	281.4	335.8	419.5	563.1	0.0	0.0	23.8	0.1	11.3	0.0
05	67.1	45.6	56.4	3.6	2.3	2.7	112.6	81.6	46.4	12.7	2.4	1.0	70.7	101.7	159.5	280.9	0.0	0.2	30.1	0.0	0.4	0.0
06	76.4	55.1	65.7	2.4	2.3	1.9	327.6	271.4	193.0	88.1	27.9	15.2	5.2	8.9	20.5	65.7	0.0	1.2	29.9	0.0	0.0	0.0
07	82.0	61.3	71.6	2.6	3.6	2.8	515.9	454.0	361.6	213.7	94.8	59.0	0.0	0.0	0.6	7.6	0.0	4.6	31.0	0.0	0.0	0.0
08	81.2	59.5	70.4	2.4	2.1	2.0	475.7	413.9	321.6	178.3	72.0	43.0	0.1	0.2	0.9	12.6	0.0	1.5	31.0	0.0	0.0	0.0
09	73.7	51.8	62.8	2.1	2.4	1.9	247.0	198.2	133.4	59.2	20.3	11.5	14.5	25.8	50.9	126.8	0.0	0.6	30.0	0.0	0.2	0.0
10	62.9	40.9	51.9	3.3	2.6	2.8	56.6	38.8	19.6	4.6	0.4	0.1	152.6	196.9	270.6	410.6	0.0	0.0	29.2	0.0	5.0	0.0
11	52.4	31.7	42.1	3.5	3.0	3.1	7.7	4.0	0.8	0.1	0.0	0.0	396.2	452.5	539.3	688.6	0.0	0.0	18.3	0.3	18.6	0.0
12	43.0	24.2	33.6	3.5	3.9	3.6	0.7	0.3	0.0	0.0	0.0	0.0	664.1	725.8	818.4	973.4	0.0	0.0	8.2	4.1	25.9	0.0
Summary	59.9	39.0	49.5	3.1	3.1	2.9	1767	1479	1086	559	218	130	3746	4187	4889	6187	0.0	8.1	251.0	21.7	139.1	3.1

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

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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	0.25	0.50	0.75
01	4.44	11.4	7.5	3.4	1.4	3.50	4.23	5.89
02	3.76	10.0	7.2	3.0	1.0	2.35	3.44	4.82
03	5.80	12.2	8.5	4.0	1.8	3.79	5.49	6.60
04	4.83	11.6	7.8	2.9	1.4	2.85	4.88	6.57
05	3.59	12.1	7.4	2.6	0.9	2.76	3.53	4.22
06	4.06	11.2	6.7	2.7	1.0	1.68	3.60	4.95
07	3.33	9.5	5.9	2.2	0.9	2.08	3.03	4.13
08	3.77	9.7	6.3	2.7	1.1	1.86	4.20	5.16
09	4.17	9.3	6.1	2.6	1.3	2.25	3.57	5.93
10	4.95	11.4	7.1	3.1	1.7	2.54	5.06	6.38
11	4.43	10.9	7.0	2.9	1.3	2.77	4.37	5.83
12	5.26	12.8	8.6	3.3	1.5	3.38	4.95	6.71
Summary	52.39	132.1	86.1	35.4	15.3	31.81	50.35	67.19

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

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

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	13.50	4.8	3.1	1.4	0.8	0.3					6.00	10.50	20.90
02	13.70	4.3	2.9	1.6	0.9	0.3					4.30	8.80	22.00
03	6.80	3.0	2.0	0.9	0.5	0.0					1.30	5.80	11.50
04	1.30	0.3	0.3	0.1	0.1	0.0					0.00	0.00	0.00
05	0.00	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	0.10	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
11	0.40	0.4	0.2	0.0	0.0	0.0					0.00	0.00	0.00
12	5.70	2.9	1.7	0.7	0.4	0.2					0.50	3.80	6.10
Summary	41.5	15.8	10.3	4.7	2.7	0.8	0.0	0.0	0.0	0.0	12.1	28.9	60.5

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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	10.1	13.6	54.5	210.7	507.0	772.3	980.7	940.5	682.3	374.9	132.5	40.6
45	1.7	3.3	22.5	110.7	354.4	622.5	825.9	785.6	532.4	236.7	63.1	15.0
50	0.1	0.3	7.8	48.8	217.2	473.6	671.0	630.7	384.3	125.7	25.4	3.5
55	0.0	0.0	2.9	20.4	112.6	327.6	515.9	475.7	247.0	56.6	7.7	0.7
60	0.0	0.0	0.9	8.5	46.4	193.0	361.6	321.6	133.4	19.6	0.8	0.0
Growing Degree Units for Corn (Monthly)												
50/86	8.3	10.7	34.7	125.0	283.8	480.4	659.4	625.5	420.5	217.2	77.9	22.4

Growing Degree Units (Accumulated Monthly)												
40	10	24	78	289	796	1568	2549	3489	4172	4547	4679	4720
45	2	5	28	138	493	1115	1941	2727	3259	3496	3559	3574
50	0	0	8	57	274	748	1419	2050	2434	2560	2585	2588
55	0	0	3	23	136	464	979	1455	1702	1759	1766	1767
60	0	0	1	9	56	249	610	932	1065	1085	1086	1086
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	19	54	179	462	943	1602	2228	2648	2866	2943	2966

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