

Summary of Monthly Normals
1991-2020

Current Location: Elev: 825 ft. Lat: 42.4281° N Lon: 72.0275° W
Station: **BARRE FALLS DAM, MA US USC00190408**
Generated on 04/28/2024

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	34.5	12.8	23.7	3.8	5.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0	971.6	1033.6	1126.7	1281.7	0.0	0.0	2.3	14.1	30.1	5.3
02	37.7	13.6	25.6	4.2	6.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	821.7	877.7	961.7	1101.7	0.0	0.0	2.8	11.0	27.0	4.6
03	45.7	21.7	33.7	4.1	4.4	4.1	2.2	1.4	0.6	0.0	0.0	0.0	662.4	723.7	815.9	970.3	0.0	0.0	8.3	4.2	27.6	1.4
04	59.1	32.0	45.5	2.9	2.0	2.3	23.0	15.7	8.6	2.3	0.3	0.1	306.5	359.2	442.1	585.8	0.0	0.1	22.1	0.2	18.7	0.0
05	69.8	43.0	56.4	3.9	2.7	3.0	125.3	94.7	59.1	21.5	5.3	2.6	81.9	113.4	170.7	288.2	0.0	0.6	29.8	0.0	4.7	0.0
06	78.2	52.2	65.2	2.0	2.0	1.5	313.7	259.9	186.2	89.2	31.6	18.7	7.8	13.9	30.2	83.3	0.0	1.8	29.9	0.0	0.4	0.0
07	83.2	57.7	70.4	2.6	2.5	2.3	478.8	417.2	325.8	185.4	80.3	51.9	0.1	0.4	2.0	16.5	0.1	3.8	31.0	0.0	0.0	0.0
08	81.3	54.9	68.1	2.1	2.3	2.0	406.4	345.5	257.6	132.2	49.3	28.6	0.4	1.4	6.5	36.2	0.0	2.2	31.0	0.0	0.0	0.0
09	74.5	47.6	61.0	2.2	2.6	2.0	211.0	167.8	112.5	48.0	15.3	8.5	29.7	46.4	81.1	166.5	0.0	0.5	29.9	0.0	2.1	0.0
10	62.0	35.9	48.9	2.7	3.2	2.6	37.4	25.5	13.5	3.7	0.5	0.1	224.9	275.0	356.0	501.2	0.0	0.0	27.6	0.0	13.6	0.0
11	49.9	27.4	38.6	4.1	2.6	3.2	3.2	1.5	0.3	0.0	0.0	0.0	493.7	552.0	640.8	790.5	0.0	0.0	13.5	1.2	23.3	0.0
12	39.8	19.4	29.6	3.6	4.4	3.9	0.0	0.0	0.0	0.0	0.0	0.0	787.4	849.3	942.4	1097.4	0.0	0.0	4.3	9.1	28.6	1.9
Summary	59.6	34.8	47.2	3.2	3.4	3.1	1601	1329	964	482	183	110	4388	4846	5576	6919	0.1	9.0	232.5	39.8	176.1	13.2

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	3.51	12.8	7.9	2.4	0.6	2.51	3.24	4.33
02	2.97	10.2	6.9	1.9	0.6	2.06	2.65	3.33
03	3.61	11.5	7.3	2.5	0.7	2.45	3.88	4.55
04	3.90	12.4	7.8	2.5	0.7	2.33	3.64	4.96
05	3.68	13.9	8.0	2.2	0.6	2.62	3.75	4.31
06	4.21	12.8	7.6	2.6	0.9	2.33	3.75	5.82
07	4.09	11.5	7.2	2.3	1.0	2.59	3.93	5.57
08	4.51	10.7	7.0	2.9	1.3	2.88	4.00	5.87
09	4.37	10.1	6.7	2.8	1.5	2.75	3.70	5.72
10	4.86	11.8	7.3	3.0	1.6	2.69	4.47	5.82
11	3.67	11.1	6.9	2.7	0.9	2.73	3.53	4.49
12	4.33	12.5	7.9	3.2	0.9	3.41	4.35	5.00
Summary	47.71	141.3	88.5	31.0	11.3	31.35	44.89	59.77

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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	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	13.60	6.7	4.7	1.8	0.8	0.1	20.9	14.1	10.2	4.0	8.10	12.10	16.80
02	14.90	6.1	4.8	2.0	0.9	0.3	18.7	14.3	10.5	5.4	7.50	13.30	24.10
03	12.20	4.7	3.7	1.6	0.8	0.2	15.2	11.8	9.1	4.9	4.30	8.80	19.70
04	3.50	1.0	0.7	0.3	0.1	0.1	2.0	1.3	0.9	0.6	0.00	0.60	3.90
05	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
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	0.20	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	2.90	1.5	0.9	0.3	0.2	0.0	2.5	1.2	0.4	0.0	0.00	1.90	4.40
12	13.10	4.9	3.7	1.7	1.0	0.2	15.1	8.9	5.9	1.7	5.00	12.00	18.70
Summary	60.4	25.1	18.6	7.7	3.8	0.9	74.5	51.6	37.0	16.6	24.9	48.7	87.6

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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	5.6	9.3	44.0	201.5	509.0	755.9	943.7	871.0	631.4	293.5	81.6	17.7
45	1.3	2.8	18.0	109.1	358.6	606.1	788.8	716.0	482.7	173.5	35.3	4.9
50	0.1	0.7	6.2	52.9	225.7	457.5	633.8	561.1	339.8	88.3	12.6	0.8
55	0.0	0.0	2.2	23.0	125.3	313.7	478.8	406.4	211.0	37.4	3.2	0.0
60	0.0	0.0	0.6	8.6	59.1	186.2	325.8	257.6	112.5	13.5	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	6.3	10.3	40.0	154.9	317.6	477.4	618.0	563.7	406.4	200.1	60.7	12.7

Growing Degree Units (Accumulated Monthly)												
40	6	15	59	260	769	1525	2469	3340	3971	4265	4346	4364
45	1	4	22	131	490	1096	1885	2601	3083	3257	3292	3297
50	0	1	7	60	286	743	1377	1938	2278	2366	2379	2380
55	0	0	2	25	150	464	943	1349	1560	1598	1601	1601
60	0	0	1	9	68	254	580	838	950	964	964	964
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	6	17	57	212	529	1006	1624	2188	2595	2795	2855	2868

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