

Summary of Monthly Normals
1991-2020

Current Location: Elev: 625 ft. Lat: 42.2122° N Lon: 71.1136° W
Station: BLUE HILL COOP, MA US USC00190736

Generated on 05/20/2024

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	34.7	18.3	26.5	4.0	4.9	4.4	0.3	0.2	0.0	0.0	0.0	0.0	883.6	945.4	1038.3	1193.4	0.0	0.0	3.3	13.2	27.5	2.3
02	37.0	19.5	28.2	4.3	4.6	4.3	0.1	0.1	0.0	0.0	0.0	0.0	749.0	805.0	889.0	1029.0	0.0	0.0	3.3	9.4	24.9	0.9
03	44.1	26.9	35.5	3.7	3.4	3.5	3.8	2.5	1.1	0.3	0.0	0.0	608.2	668.9	760.5	914.8	0.0	0.0	9.2	3.8	22.1	0.0
04	56.3	37.9	47.1	3.2	1.8	2.4	29.1	19.7	10.5	3.0	0.7	0.3	266.2	316.7	397.5	540.0	0.0	0.1	22.1	0.1	6.4	0.0
05	66.8	48.2	57.5	3.5	2.1	2.6	140.7	106.0	65.8	25.1	7.0	3.7	63.2	90.5	143.3	257.6	0.0	0.5	29.3	0.0	0.1	0.0
06	75.4	57.6	66.5	2.4	1.5	1.8	351.1	295.6	218.0	111.0	41.5	24.2	6.1	10.7	23.0	66.1	0.0	1.6	29.9	0.0	0.0	0.0
07	81.7	63.8	72.7	2.7	2.1	2.3	550.2	488.3	395.6	247.6	122.1	82.9	0.0	0.1	0.5	7.4	0.0	3.8	31.0	0.0	0.0	0.0
08	80.2	62.6	71.4	2.2	1.9	1.9	508.3	446.4	354.1	209.1	93.6	60.7	0.0	0.1	0.8	10.7	0.0	2.6	31.0	0.0	0.0	0.0
09	72.7	55.6	64.2	2.3	2.1	2.1	284.7	232.4	162.4	74.3	24.7	14.5	10.3	18.0	37.9	99.8	0.0	0.5	30.0	0.0	0.0	0.0
10	61.0	44.0	52.5	2.4	2.8	2.5	66.7	45.5	23.8	6.5	1.0	0.4	144.2	184.9	256.2	394.0	0.0	0.0	28.3	0.0	2.3	0.0
11	50.1	33.8	42.0	3.5	2.9	3.1	9.8	5.8	2.1	0.1	0.0	0.0	401.3	457.3	543.6	691.6	0.0	0.0	14.8	0.9	13.4	0.0
12	40.2	24.9	32.5	3.8	4.1	3.8	0.4	0.1	0.0	0.0	0.0	0.0	696.3	758.0	850.9	1005.9	0.0	0.0	5.7	7.4	24.3	0.1
Summary	58.4	41.1	49.7	3.2	2.9	2.9	1945	1643	1233	677	291	187	3828	4256	4942	6210	0.0	9.1	237.9	34.8	121.0	3.3

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	4.50	13.2	7.8	3.2	1.4	3.18	4.18	5.87	
02	4.00	11.3	7.1	2.7	1.1	2.78	3.74	5.07	
03	5.52	12.5	8.0	3.3	1.6	3.64	4.85	6.01	
04	4.76	12.5	7.8	3.2	1.3	3.33	4.45	6.46	
05	3.82	13.0	7.9	2.5	0.7	2.52	3.58	4.27	
06	4.63	12.1	7.4	2.7	1.2	2.14	3.69	5.81	
07	3.47	10.5	6.3	2.2	1.0	2.42	3.25	4.84	
08	3.91	10.2	6.4	2.7	1.1	2.25	3.62	5.23	
09	4.06	9.2	5.8	2.4	1.1	2.10	3.14	4.98	
10	5.49	11.5	7.3	3.2	1.7	2.77	5.39	7.15	
11	4.31	10.9	6.9	3.1	1.3	2.69	4.23	5.09	
12	5.39	12.6	8.5	3.8	1.7	3.45	5.27	7.14	
Summary	53.86	139.5	87.2	35.0	15.2	33.27	49.39	67.92	

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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	18.60	8.1	4.4	1.9	1.1	0.4	16.8	12.3	9.2	3.8	9.20	14.40	23.80
02	18.20	7.1	3.7	1.8	1.1	0.4	15.6	11.2	8.8	5.0	7.80	12.80	19.00
03	15.00	5.7	3.2	1.6	1.0	0.3	12.1	9.0	7.1	4.1	5.40	12.50	22.40
04	2.80	1.3	0.6	0.3	0.2	0.1	1.2	0.8	0.5	0.2	0.00	0.60	2.90
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	0.70	0.4	0.2	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.00	0.00	0.00
11	1.80	1.3	0.5	0.3	0.1	0.0	1.2	0.5	0.2	0.0	0.00	0.20	2.40
12	12.60	5.3	2.7	1.5	1.0	0.3	9.2	4.8	3.7	1.7	3.70	10.10	19.70
Summary	69.7	29.2	15.3	7.5	4.6	1.5	56.3	38.7	29.6	14.8	26.1	50.6	90.2

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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	13.4	13.3	55.7	238.9	542.6	794.9	1015.1	973.3	724.4	392.9	136.6	34.6
45	3.8	4.0	23.8	137.2	390.3	645.0	860.1	818.3	574.6	256.1	67.7	11.7
50	1.3	0.9	9.8	68.1	251.9	495.9	705.2	663.3	426.2	144.5	28.7	3.0
55	0.3	0.1	3.8	29.1	140.7	351.1	550.2	508.3	284.7	66.7	9.8	0.4
60	0.0	0.0	1.1	10.5	65.8	218.0	395.6	354.1	162.4	23.8	2.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	7.6	8.3	31.3	123.7	288.6	495.2	688.9	652.8	435.1	193.5	60.9	15.2
Growing Degree Units (Accumulated Monthly)												
40	13	27	82	321	864	1659	2674	3647	4372	4764	4901	4936
45	4	8	32	169	559	1204	2064	2882	3457	3713	3781	3793
50	1	2	12	80	332	828	1533	2196	2623	2767	2796	2799
55	0	0	4	33	174	525	1075	1584	1868	1935	1945	1945
60	0	0	1	12	77	295	691	1045	1208	1231	1233	1233
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	16	47	171	460	955	1644	2296	2731	2925	2986	3001

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