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

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

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

Current Location: Elev: 160 ft. Lat: 42.4833° N Lon: 71.2833° W

Station: **BEDFORD, MA US USC00190535**

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	35.8	17.7	26.8	4.2	4.9	4.4	0.8	0.5	0.2	0.0	0.0	0.0	876.3	938.0	1030.8	1185.6	0.0	0.0	3.1	12.1	28.7	2.8
02	38.7	18.9	28.8	4.2	4.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	733.5	789.5	873.6	1013.6	0.0	0.0	3.1	8.1	25.6	1.1
03	46.6	26.7	36.6	3.9	4.0	3.8	2.6	1.6	0.8	0.4	0.1	0.1	571.4	632.4	724.6	879.2	0.0	0.1	10.4	2.5	24.4	0.3
04	58.9	36.3	47.6	2.6	1.9	2.1	30.8	21.9	12.6	3.7	1.0	0.5	252.8	303.9	384.6	525.7	0.0	0.1	24.4	0.1	10.0	0.0
05	69.8	45.9	57.8	3.5	1.9	2.5	138.3	102.7	62.8	23.6	5.2	2.4	50.0	76.4	129.5	245.3	0.0	0.8	30.4	0.0	0.8	0.0
06	77.9	55.4	66.6	2.4	1.7	1.7	352.6	296.0	217.1	110.6	40.7	24.1	3.2	6.6	17.6	61.1	0.0	2.9	30.0	0.0	0.0	0.0
07	83.8	61.4	72.6	2.7	2.5	2.4	545.4	483.4	390.7	240.2	114.4	76.8	0.0	0.0	0.3	4.8	0.0	5.1	31.0	0.0	0.0	0.0
08	81.9	60.0	70.9	2.0	2.4	2.0	494.4	432.5	340.3	196.0	84.8	55.0	0.0	0.2	1.0	11.6	0.0	3.7	31.0	0.0	0.0	0.0
09	74.1	51.8	63.0	2.1	2.7	2.1	254.6	205.4	140.4	59.8	19.1	10.4	16.2	27.0	52.0	121.4	0.0	0.6	30.0	0.0	0.4	0.0
10	62.2	40.5	51.4	2.5	2.8	2.4	50.1	33.7	17.1	4.5	0.8	0.5	163.2	208.8	285.2	427.7	0.0	0.0	28.9	0.0	6.3	0.0
11	51.3	31.4	41.4	3.6	2.6	2.9	8.5	5.2	1.8	0.1	0.0	0.0	418.0	474.7	561.3	709.6	0.0	0.0	15.6	0.6	17.3	0.0
12	40.8	23.3	32.0	4.2	3.6	3.8	0.8	0.4	0.1	0.0	0.0	0.0	712.1	773.7	866.4	1021.3	0.0	0.0	5.4	6.1	26.6	0.2
Summary	60.2	39.1	49.6	3.2	3.0	2.9	1879	1583	1184	639	266	170	3797	4231	4927	6207	0.0	13.3	243.3	29.5	140.1	4.4

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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	3.75	12.9	7.4	3.1	0.6	2.78	3.69	4.67
02	3.37	11.2	6.6	2.4	0.7	2.59	3.21	4.21
03	4.80	12.8	8.2	3.2	1.2	3.26	4.08	5.27
04	3.90	12.5	7.6	2.7	0.8	2.51	4.02	4.73
05	3.76	13.5	8.1	2.5	0.9	2.60	3.31	4.17
06	4.10	11.8	7.1	2.2	0.9	1.90	3.84	5.09
07	3.79	10.6	6.6	2.7	0.7	2.15	3.12	4.81
08	3.94	10.3	6.2	2.6	0.9	2.15	3.64	4.95
09	3.72	9.8	6.6	2.6	1.1	1.79	3.03	5.63
10	4.85	10.7	6.2	2.8	1.2	2.70	4.93	5.73
11	4.11	12.7	7.1	2.7	1.3	2.71	4.14	4.76
12	4.79	12.7	7.6	3.5	1.4	3.40	4.95	6.31
Summary	48.88	141.5	85.3	33.0	11.7	30.54	45.96	60.33

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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	16.10	8.5	4.2	1.7	1.0	0.2	20.2	15.7	12.8	5.7	9.30	14.30	16.70
02	12.50	7.4	3.3	1.3	0.5	0.2	18.8	13.9	10.8	4.3	5.40	12.40	17.30
03	12.90	6.0	3.1	1.6	0.9	0.1	13.2	9.1	7.0	3.2	4.40	10.30	18.10
04	2.30	1.3	0.5	0.2	0.1	0.1	1.2	0.4	0.3	0.2	0.00	0.20	2.00
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	0.10	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	1.90	1.5	0.6	0.2	0.1	0.0	1.7	0.6	0.1	0.0	0.00	0.60	2.90
12	13.20	6.0	2.8	1.3	1.0	0.2	12.5	8.4	5.8	2.8	9.20	11.80	18.20
Summary	59.0	31.0	14.5	6.3	3.6	0.8	67.6	48.1	36.8	16.2	28.3	49.6	75.2

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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	14.1	12.8	56.0	246.2	553.3	799.4	1010.3	959.2	688.3	356.4	125.6	28.2
45	5.4	3.2	21.4	137.9	399.5	649.4	855.3	804.3	538.6	221.1	61.9	9.8
50	1.7	0.3	7.3	68.0	254.8	499.6	700.4	649.3	391.5	116.4	25.1	3.1
55	0.8	0.0	2.6	30.8	138.3	352.6	545.4	494.4	254.6	50.1	8.5	0.8
60	0.2	0.0	0.8	12.6	62.8	217.1	390.7	340.3	140.4	17.1	1.8	0.1
Growing Degree Units for Corn (Monthly)												
50/86	8.9	9.1	40.0	152.7	321.5	503.6	676.6	635.9	424.7	203.1	70.8	15.6

Growing Degree Units (Accumulated Monthly)

40	14	27	83	329	882	1682	2692	3651	4340	4696	4822	4850
45	5	9	30	168	567	1217	2072	2876	3415	3636	3698	3708
50	2	2	9	77	332	832	1532	2181	2573	2689	2714	2717
55	1	1	3	34	172	525	1070	1565	1820	1870	1878	1879
60	0	0	1	14	76	294	684	1024	1165	1182	1184	1184
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	9	18	58	211	532	1036	1712	2348	2773	2976	3047	3062

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

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