

Summary of Monthly Normals 2006-2020

Generated on 03/26/2023

Current Location: Elev: 12 ft. Lat: 42.3606° N Lon: -71.0106° W
 Station: **BOSTON LOGAN INTL AP, MA US USW00014739**

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	37.9	24.3	31.1	3.6	3.6	3.6	0.3	0.1	0.0	0.0	0.0	0.0	741.0	802.8	895.7	1050.8	0.0	0.0	4.6	8.8	24.1	0.3
02	39.4	24.9	32.1	4.9	5.1	4.9	0.2	0.0	0.0	0.0	0.0	0.0	639.9	695.7	779.7	919.7	0.0	0.0	4.3	6.6	21.8	0.3
03	46.0	31.3	38.6	4.0	3.9	3.9	5.2	3.4	1.8	0.6	0.0	0.0	511.9	572.1	663.6	817.4	0.0	0.0	10.1	1.9	16.2	0.0
04	56.9	41.3	49.1	3.2	2.0	2.5	36.1	25.5	15.2	5.4	1.2	0.5	213.1	262.5	342.2	482.4	0.0	0.1	22.5	0.1	2.0	0.0
05	67.4	51.2	59.3	3.2	1.4	2.1	170.7	130.4	81.8	31.7	9.4	5.2	37.5	59.1	103.6	208.4	0.0	0.6	30.3	0.0	0.0	0.0
06	75.9	60.1	68.0	2.7	1.3	2.0	392.5	334.7	252.6	135.4	56.6	35.7	2.5	4.6	12.6	45.4	0.0	1.9	29.9	0.0	0.0	0.0
07	83.2	67.1	75.1	2.4	1.7	2.0	624.4	562.4	469.5	316.5	178.3	131.4	0.0	0.0	0.1	2.1	0.1	6.9	31.0	0.0	0.0	0.0
08	80.7	65.7	73.2	1.9	1.7	1.8	564.1	502.1	409.1	258.1	126.8	86.2	0.0	0.0	0.0	4.0	0.0	3.8	31.0	0.0	0.0	0.0
09	73.8	58.9	66.3	1.9	1.8	1.7	341.9	285.3	206.5	100.1	37.6	23.6	1.5	4.9	16.1	59.7	0.0	1.3	30.0	0.0	0.0	0.0
10	62.9	48.8	55.9	2.5	2.4	2.4	103.3	73.3	41.1	12.3	2.3	0.7	77.0	108.9	169.7	296.0	0.0	0.0	29.2	0.0	0.2	0.0
11	52.3	38.1	45.2	3.5	3.0	3.1	13.5	7.3	2.3	0.2	0.0	0.0	307.5	361.3	446.3	594.2	0.0	0.0	17.7	0.3	6.4	0.0
12	42.8	29.7	36.3	4.0	3.8	3.8	0.6	0.3	0.0	0.0	0.0	0.0	581.7	643.4	736.1	891.2	0.0	0.0	7.7	4.2	19.1	0.0
Summary	59.9	45.1	52.5	3.1	2.6	2.8	2253	1925	1480	860	412	283	3114	3515	4166	5371	0.1	14.6	248.3	21.9	89.8	0.6

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	3.25	10.9	6.4	2.5	0.8	2.69	3.27	3.94	
02	3.62	11.1	6.7	2.6	0.7	2.93	3.38	4.16	
03	4.01	10.7	5.7	2.3	1.1	2.73	3.33	4.40	
04	3.71	12.4	6.9	2.7	0.8	2.60	3.23	4.48	
05	3.48	11.4	6.8	2.3	0.5	2.72	2.90	3.39	
06	4.44	11.7	7.3	3.3	1.1	2.81	3.46	4.94	
07	3.86	10.2	6.7	2.5	1.3	2.38	3.88	4.92	
08	3.18	8.3	5.0	2.5	0.9	1.80	3.08	3.98	
09	2.91	8.5	5.7	1.7	0.7	1.76	2.22	4.02	
10	3.83	11.5	6.3	2.7	1.3	2.35	4.15	5.08	
11	3.74	9.9	6.3	2.5	0.9	2.71	3.34	4.39	
12	4.49	12.7	7.7	3.3	1.1	3.44	4.28	5.80	
Summary	44.52	129.3	77.5	30.9	11.2	30.92	40.52	53.50	

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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	13.5	5.7	2.9	1.4	0.8	0.3					5.9	8.9	19.8
02	16.7	6.4	3.4	1.6	1.1	0.5					6.6	15.0	20.7
03	7.1	3.3	1.6	0.6	0.5	0.1					0.8	4.1	10.5
04	0.8	0.7	0.2	0.1	0.0	0.0					0.0	0.0	0.8
05	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
10	0.4	0.3	0.1	0.1	0.0	0.0					0.0	0.0	0.0
11	0.2	0.3	0.1	0.0	0.0	0.0					0.0	0.0	0.0
12	9.5	4.1	1.9	1.1	0.7	0.2					0.8	7.6	14.4
Summary	48.2	20.8	10.2	4.9	3.1	1.1	0.0	0.0	0.0	0.0	14.1	35.6	66.2

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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	24.9	25.4	84.5	283.3	598.2	840.0	1089.3	1029.1	790.4	491.9	192.5	57.2
45	8.1	7.7	36.5	166.8	443.7	690.0	934.4	874.1	640.4	343.2	99.4	20.5
50	1.9	2.0	15.3	85.3	296.0	540.6	779.5	719.1	490.4	208.3	42.0	4.4
55	0.3	0.2	5.2	36.1	170.7	392.5	624.4	564.1	341.9	103.3	13.5	0.6
60	0.0	0.0	1.8	15.2	81.8	252.6	469.5	409.1	206.5	41.1	2.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	10.2	11.9	39.5	130.1	313.0	533.6	751.7	704.9	488.1	238.1	75.5	20.6

Growing Degree Units (Accumulated Monthly)												
40	25	50	135	418	1016	1856	2946	3975	4765	5257	5450	5507
45	8	16	52	219	663	1353	2287	3161	3802	4145	4244	4265
50	2	4	19	104	400	941	1721	2440	2930	3138	3180	3185
55	0	0	6	42	212	605	1229	1794	2135	2239	2252	2253
60	0	0	2	17	99	351	821	1230	1436	1478	1480	1480
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	10	22	62	192	505	1038	1790	2495	2983	3221	3297	3317

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