

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 111 ft. Lat: 40.4728° N Lon: 74.4225° W
Station: NEW BRUNSWICK 3 SE, NJ US USC00286055

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	40.3	22.9	31.6	4.4	4.4	4.3	1.0	0.6	0.2	0.0	0.0	0.0	726.3	787.9	880.5	1035.2	0.0	0.0	5.8	7.2	25.8	0.3
02	42.8	24.0	33.4	4.7	4.4	4.5	0.8	0.3	0.1	0.0	0.0	0.0	605.5	661.1	744.8	884.7	0.0	0.0	6.8	4.4	23.6	0.2
03	50.6	31.0	40.8	4.1	3.3	3.6	8.2	5.2	2.5	0.5	0.1	0.0	448.3	507.4	597.6	750.6	0.0	0.0	15.3	1.2	18.3	0.0
04	62.5	40.8	51.7	2.9	2.1	2.3	62.9	45.5	27.4	10.1	2.8	1.4	163.4	206.1	277.9	410.6	0.0	0.3	26.6	0.0	4.4	0.0
05	72.1	50.6	61.3	3.0	2.8	2.7	219.8	173.7	115.5	51.3	17.7	10.0	22.9	38.9	73.7	164.4	0.0	1.1	30.9	0.0	0.1	0.0
06	81.2	60.4	70.8	2.1	1.5	1.6	474.6	415.5	328.9	197.4	95.1	64.3	0.7	1.6	5.0	23.5	0.0	4.2	30.0	0.0	0.0	0.0
07	86.5	65.6	76.1	2.8	2.3	2.4	652.5	590.5	497.5	343.0	197.0	146.4	0.0	0.0	0.0	0.7	0.3	9.7	31.0	0.0	0.0	0.0
08	84.7	64.0	74.3	2.3	2.4	2.1	599.8	537.8	444.8	291.8	153.1	108.0	0.0	0.0	0.1	2.1	0.1	6.4	31.0	0.0	0.0	0.0
09	78.4	56.5	67.4	2.5	2.5	2.1	377.4	320.8	240.3	127.8	50.9	31.7	4.0	7.4	16.8	54.5	0.0	1.9	30.0	0.0	0.0	0.0
10	66.5	44.2	55.4	2.5	3.2	2.6	106.9	78.0	45.4	15.1	3.6	1.5	95.9	129.1	189.5	314.2	0.0	0.1	30.5	0.0	2.7	0.0
11	55.5	35.2	45.4	3.6	2.8	3.0	17.5	10.0	3.5	0.3	0.0	0.0	306.9	359.5	443.0	589.7	0.0	0.0	21.7	0.1	13.2	0.0
12	45.4	28.4	36.9	4.2	3.7	3.9	3.3	1.9	0.6	0.0	0.0	0.0	564.3	625.0	716.7	871.0	0.0	0.0	10.3	2.7	22.4	0.0
Summary	63.9	43.6	53.8	3.3	2.9	2.9	2525	2180	1707	1037	520	363	2938	3324	3946	5101	0.4	23.7	269.9	15.6	110.5	0.5

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	3.74	11.1	6.7	2.7	1.0	2.65	3.45	4.64	
02	2.97	9.6	6.3	2.2	0.7	2.06	2.72	3.49	
03	4.40	10.8	7.3	3.0	1.2	3.42	4.52	4.86	
04	3.89	11.5	6.3	2.8	0.9	2.49	3.33	4.78	
05	4.03	12.6	7.9	2.8	0.7	2.97	4.13	4.72	
06	4.83	11.4	7.9	3.4	1.3	3.13	4.99	5.81	
07	4.83	10.7	7.4	3.1	1.5	3.27	4.32	6.12	
08	4.66	10.1	6.4	3.0	1.3	2.43	4.39	5.70	
09	4.18	8.8	6.0	2.6	1.1	2.18	3.49	5.92	
10	4.11	9.8	6.3	2.4	1.3	2.67	4.22	5.20	
11	3.40	8.7	5.6	2.5	0.9	2.07	2.95	4.32	
12	4.49	10.3	7.5	3.4	1.2	3.43	4.21	5.59	
Summary	49.53	125.4	81.6	33.9	13.1	32.77	46.72	61.15	

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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	8.30	4.2	1.8	0.8	0.4	0.2	8.7	5.3	3.8	1.1	1.50	5.10	10.70
02	9.30	4.0	2.2	1.1	0.6	0.1	9.7	7.2	5.2	1.3	1.80	5.80	13.20
03	5.20	2.5	1.5	0.6	0.2	0.0	4.5	3.1	1.3	0.2	0.40	4.70	8.10
04	0.60	0.3	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
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	0.20	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	0.50	0.2	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
12	4.90	2.0	1.3	0.5	0.3	0.1	3.8	2.0	1.2	0.3	0.20	1.80	8.40
Summary	29.0	13.3	7.2	3.2	1.5	0.4	27.2	17.8	11.5	2.9	3.9	17.4	40.4

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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	32.5	33.3	121.8	355.3	661.9	923.9	1117.4	1064.8	823.4	476.8	198.2	67.4
45	11.7	11.9	58.1	226.3	507.1	773.9	962.4	909.8	673.4	329.9	107.0	28.6
50	3.4	3.7	24.4	127.2	355.3	623.9	807.4	754.8	524.0	202.7	48.8	10.0
55	1.0	0.8	8.2	62.9	219.8	474.6	652.5	599.8	377.4	106.9	17.5	3.3
60	0.2	0.1	2.5	27.4	115.5	328.9	497.5	444.8	240.3	45.4	3.5	0.6
Growing Degree Units for Corn (Monthly)												
50/86	19.1	23.0	72.8	202.9	390.6	610.6	766.8	728.2	531.1	280.9	110.5	34.2

Growing Degree Units (Accumulated Monthly)												
40	32	66	188	543	1205	2129	3246	4311	5134	5611	5809	5877
45	12	24	82	308	815	1589	2551	3461	4135	4464	4571	4600
50	3	7	32	159	514	1138	1945	2700	3224	3427	3476	3486
55	1	2	10	73	293	767	1420	2020	2397	2504	2521	2525
60	0	0	3	30	146	475	972	1417	1657	1703	1706	1707
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	19	42	115	318	708	1319	2086	2814	3345	3626	3736	3771

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