

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 90 ft. Lat: 41.6267° N Lon: 71.2092° W

Station: TIVERTON, RI US USC00377581

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	38.5	23.6	31.0	4.5	4.1	4.1	0.1	0.0	0.0	0.0	0.0	0.0	742.3	804.2	897.3	1052.3	0.0	0.0	3.6	10.7	25.9	0.4
02	41.3	24.5	32.9	4.2	3.9	3.9	0.1	0.0	0.0	0.0	0.0	0.0	618.9	674.8	758.8	898.8	0.0	0.0	4.8	6.1	24.1	0.4
03	49.0	30.3	39.7	3.4	2.9	3.1	1.9	1.0	0.4	0.0	0.0	0.0	477.7	538.8	631.2	785.8	0.0	0.0	13.3	1.1	19.5	0.0
04	60.0	39.3	49.6	3.1	1.8	2.3	26.0	15.9	7.2	1.6	0.2	0.1	186.5	236.4	317.7	462.1	0.0	0.0	26.3	0.0	4.2	0.0
05	70.1	49.0	59.6	3.1	2.2	2.5	168.5	126.0	74.8	23.2	4.4	1.9	27.5	47.0	88.8	192.2	0.0	0.2	30.7	0.0	0.0	0.0
06	79.3	58.4	68.8	2.6	1.3	1.8	416.4	357.6	272.0	144.9	55.7	33.3	1.0	2.2	6.6	29.4	0.0	2.0	30.0	0.0	0.0	0.0
07	84.9	65.0	74.9	3.2	2.2	2.5	618.3	556.3	463.3	309.0	165.4	116.9	0.0	0.0	0.0	0.7	0.1	6.5	31.0	0.0	0.0	0.0
08	84.0	64.0	74.0	2.3	2.0	2.0	588.9	526.9	434.0	280.3	141.1	95.8	0.0	0.0	0.0	1.4	0.1	4.0	31.0	0.0	0.0	0.0
09	76.9	57.3	67.1	1.9	1.9	1.7	364.2	306.0	224.6	111.0	37.7	21.0	1.2	3.1	11.6	48.1	0.0	0.6	30.0	0.0	0.0	0.0
10	64.3	46.6	55.4	2.2	2.3	2.0	98.7	69.5	37.0	9.8	1.4	0.3	84.8	117.5	178.0	305.8	0.0	0.0	29.4	0.0	0.9	0.0
11	52.7	37.0	44.8	3.7	2.8	3.1	10.3	5.2	1.4	0.0	0.0	0.0	314.7	369.7	455.9	604.5	0.0	0.0	18.2	0.7	9.1	0.0
12	43.3	29.5	36.4	4.3	3.3	3.6	1.3	0.5	0.0	0.0	0.0	0.0	577.9	639.0	731.6	886.6	0.0	0.0	8.0	4.9	21.0	0.0
Summary	62.0	43.7	52.8	3.2	2.6	2.7	2295	1965	1515	880	406	269	3032	3433	4078	5268	0.2	13.3	256.3	23.5	104.7	0.8

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	4.01	12.3	7.4	3.0	1.0	3.21	3.85	4.64
02	3.84	11.4	7.4	2.8	1.0	2.53	3.44	5.15
03	5.55	11.7	7.3	3.2	1.6	3.52	5.43	6.61
04	4.50	13.1	7.6	3.3	1.3	2.78	4.56	5.88
05	3.57	13.1	8.0	2.4	0.8	2.71	3.33	4.33
06	3.66	11.5	6.5	2.7	1.4	1.51	2.91	4.28
07	2.96	9.8	5.7	2.0	0.6	1.92	2.39	3.56
08	3.81	9.1	5.4	2.3	1.1	2.08	3.92	4.74
09	3.93	9.4	6.3	2.6	1.4	2.54	3.80	5.43
10	4.54	11.7	7.2	3.0	1.7	2.58	4.75	6.06
11	4.11	9.9	6.4	2.8	1.1	2.86	4.20	5.09
12	4.91	12.6	7.9	3.0	1.4	3.92	4.75	5.72
Summary	49.39	135.6	83.1	33.1	14.4	32.16	47.33	61.49

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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	10.90	5.2	3.0	1.1	0.5	0.1	9.6	4.4	2.7	1.1	4.70	10.10	13.50
02	11.30	5.2	2.9	1.3	0.6	0.1	9.9	6.8	5.2	1.9	5.40	9.80	16.00
03	7.40	3.3	2.2	0.9	0.4	0.0	4.7	2.5	1.6	0.6	2.10	8.10	11.20
04	0.60	0.4	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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.60	0.4	0.2	0.1	0.0	0.0	0.4	0.2	0.0	0.0	0.00	0.00	0.10
12	7.30	3.4	1.9	0.8	0.5	0.1	4.4	2.4	1.4	0.4	0.50	6.70	10.90
Summary	38.1	17.9	10.4	4.3	2.0	0.3	29.2	16.4	10.9	4.0	12.7	34.7	51.7

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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	24.3	24.0	87.2	295.4	606.0	865.4	1083.3	1053.9	812.9	480.1	186.8	64.4
45	6.8	6.0	31.7	167.4	451.2	715.4	928.3	898.9	662.9	332.2	95.0	25.4
50	1.1	0.8	8.9	74.4	299.8	565.6	773.3	743.9	513.0	199.9	37.8	7.3
55	0.1	0.1	1.9	26.0	168.5	416.4	618.3	588.9	364.2	98.7	10.3	1.3
60	0.0	0.0	0.4	7.2	74.8	272.0	463.3	434.0	224.6	37.0	1.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	8.6	11.3	46.5	160.5	340.4	556.3	741.5	721.2	517.0	252.0	79.0	22.3

Growing Degree Units (Accumulated Monthly)												
40	24	48	136	431	1037	1902	2986	4040	4852	5333	5519	5584
45	7	13	44	212	663	1378	2307	3206	3869	4201	4296	4321
50	1	2	11	85	385	951	1724	2468	2981	3181	3219	3226
55	0	0	2	28	197	613	1231	1820	2184	2283	2293	2295
60	0	0	0	8	82	354	818	1252	1476	1513	1515	1515
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	9	20	66	227	567	1124	1865	2586	3103	3355	3434	3457

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

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