

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 60 ft. Lat: 41.7219° N Lon: 71.4325° W

Station: PROVIDENCE T F GREEN AP, RI US USW00014765

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	38.3	22.1	30.2	4.3	4.1	4.1	0.4	0.2	0.0	0.0	0.0	0.0	769.0	830.9	923.8	1078.7	0.0	0.0	4.8	8.5	26.2	0.4
02	40.5	23.5	32.0	4.5	4.4	4.3	0.1	0.0	0.0	0.0	0.0	0.0	644.1	700.0	784.0	924.0	0.0	0.0	5.2	5.8	24.0	0.4
03	47.7	30.2	38.9	3.6	3.3	3.3	3.8	2.3	1.1	0.2	0.0	0.0	501.3	561.9	653.6	807.7	0.0	0.0	12.1	1.6	19.2	0.0
04	58.9	39.6	49.3	2.6	1.8	2.1	31.8	20.7	10.3	2.8	0.5	0.2	204.3	253.2	332.8	475.3	0.0	0.1	25.5	0.0	4.1	0.0
05	68.9	49.2	59.1	3.1	2.1	2.5	160.2	120.5	74.3	27.9	7.4	3.8	34.6	56.9	103.7	212.4	0.0	0.8	30.7	0.0	0.0	0.0
06	77.7	58.8	68.2	2.2	1.5	1.7	398.8	340.5	256.7	136.0	53.5	32.2	1.3	3.0	9.3	38.6	0.0	1.9	30.0	0.0	0.0	0.0
07	83.6	65.2	74.4	2.5	2.4	2.3	601.3	539.3	446.4	292.8	154.0	108.6	0.0	0.0	0.0	1.5	0.2	5.1	31.0	0.0	0.0	0.0
08	82.2	63.9	73.0	2.2	2.0	2.0	559.5	497.5	404.6	252.3	121.5	82.0	0.0	0.0	0.1	2.9	0.1	3.4	31.0	0.0	0.0	0.0
09	74.8	56.5	65.6	2.2	2.1	1.9	324.0	268.6	192.0	90.9	29.8	16.5	4.6	9.1	22.5	71.4	0.0	0.6	30.0	0.0	0.0	0.0
10	63.8	45.1	54.4	2.4	2.5	2.3	84.2	58.9	31.5	9.1	1.3	0.4	101.2	137.9	203.5	336.1	0.0	0.0	29.7	0.0	1.4	0.0
11	53.2	35.8	44.5	3.3	2.7	2.8	13.0	7.3	2.6	0.1	0.0	0.0	328.0	382.4	467.6	615.1	0.0	0.0	19.2	0.2	11.3	0.0
12	43.4	27.6	35.5	3.8	3.3	3.5	1.2	0.6	0.1	0.0	0.0	0.0	605.6	667.0	759.6	914.4	0.0	0.0	8.1	3.9	22.8	0.0
Summary	61.1	43.1	52.1	3.1	2.7	2.7	2178	1856	1420	812	368	244	3194	3602	4260	5478	0.3	11.9	257.3	20.0	109.0	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	3.96	11.2	6.8	3.0	1.2	2.96	3.68	4.93	
02	3.44	10.3	6.3	2.5	0.8	2.13	2.95	4.78	
03	4.90	11.6	7.2	2.9	1.3	3.04	4.76	6.32	
04	4.29	11.7	7.1	3.0	1.3	3.11	4.57	5.36	
05	3.37	12.2	7.1	2.2	0.5	2.47	3.08	3.72	
06	3.81	10.8	6.4	2.3	1.0	2.26	3.28	4.77	
07	2.91	9.3	5.5	1.9	0.6	1.45	2.75	3.61	
08	3.59	9.1	5.8	2.4	0.9	2.23	2.79	5.13	
09	4.17	9.1	6.0	2.6	1.2	2.60	4.07	5.22	
10	4.18	10.2	6.7	2.7	1.2	1.90	3.70	5.67	
11	4.27	9.6	6.3	2.8	1.5	2.86	4.53	5.34	
12	4.65	11.9	7.7	3.1	1.3	3.15	4.70	6.05	
Summary	47.54	127.0	78.9	31.4	12.8	30.16	44.86	60.90	

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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	10.30	5.7	2.8	0.9	0.5	0.2	8.3	4.4	2.4	0.8	3.80	6.50	15.00
02	10.50	5.4	2.5	1.1	0.4	0.1	7.9	5.1	3.3	1.9	4.90	8.40	13.30
03	6.40	3.7	2.0	0.8	0.3	0.0	3.9	1.8	0.9	0.4	2.20	6.00	10.00
04	0.60	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.20
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	1.00	0.6	0.3	0.2	0.1	0.0	0.5	0.2	0.0	0.0	0.00	0.00	1.20
12	7.60	3.4	1.9	0.8	0.4	0.0	3.9	2.1	1.6	0.3	1.20	7.00	10.20
Summary	36.6	19.3	9.8	3.8	1.7	0.3	24.7	13.6	8.2	3.4	12.1	27.9	49.9

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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	22.6	22.7	84.5	286.4	590.6	847.5	1066.3	1024.5	769.4	449.1	178.7	52.3
45	7.1	6.7	33.9	163.7	435.8	697.4	911.2	869.4	619.4	303.3	92.0	20.5
50	1.6	1.3	12.0	79.0	286.5	547.6	756.3	714.5	469.9	176.4	39.1	5.9
55	0.4	0.1	3.8	31.8	160.2	398.8	601.3	559.5	324.0	84.2	13.0	1.2
60	0.0	0.0	1.1	10.3	74.3	256.7	446.4	404.6	192.0	31.5	2.6	0.1
Growing Degree Units for Corn (Monthly)												
50/86	11.9	12.7	44.6	147.9	324.1	543.1	733.4	699.4	479.0	238.5	85.8	24.1
Growing Degree Units (Accumulated Monthly)												
40	23	45	130	416	1007	1854	2921	3945	4714	5164	5342	5395
45	7	14	48	211	647	1345	2256	3125	3745	4048	4140	4160
50	2	3	15	94	380	928	1684	2399	2869	3045	3084	3090
55	0	0	4	36	196	595	1196	1756	2080	2164	2177	2178
60	0	0	1	11	86	342	789	1193	1385	1417	1420	1420
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	12	25	69	217	541	1084	1818	2517	2996	3235	3320	3345

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