

## Summary of Monthly Normals 1991-2020

Generated on 07/20/2024

Current Location: Elev: 380 ft. Lat: 39.4161° N Lon: 77.4389° W  
 Station: **FREDERICK POLICE BRKS, MD US USC00183348**

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	43.1	26.5	34.8	4.1	4.5	4.2	3.8	2.6	1.2	0.1	0.0	0.0	629.7	690.6	782.3	936.0	0.0	0.0	8.3	4.0	21.3	0.3
02	47.8	28.5	38.2	5.6	3.9	4.5	1.8	0.8	0.1	0.0	0.0	0.0	473.6	528.6	611.9	751.8	0.0	0.0	11.7	1.8	18.1	0.0
03	55.3	35.6	45.5	4.0	3.8	3.8	20.9	13.2	6.2	1.7	0.0	0.0	316.9	371.2	457.2	607.6	0.0	0.0	21.1	0.4	13.1	0.0
04	68.6	44.7	56.7	2.7	2.1	2.2	130.9	100.7	65.5	26.3	7.6	4.3	81.5	111.3	166.0	276.9	0.0	0.6	29.6	0.0	2.2	0.0
05	77.4	55.0	66.2	3.3	3.7	3.4	352.1	295.0	215.4	113.7	49.0	32.7	4.9	9.8	23.2	76.5	0.0	2.6	31.0	0.0	0.0	0.0
06	85.2	63.3	74.2	2.4	1.3	1.7	577.4	517.5	428.1	285.2	159.6	117.5	0.1	0.2	0.8	7.9	0.0	8.0	30.0	0.0	0.0	0.0
07	88.6	68.4	78.5	2.4	2.4	2.3	728.3	666.4	573.4	418.5	265.3	207.3	0.0	0.0	0.0	0.2	0.7	13.7	31.0	0.0	0.0	0.0
08	86.7	66.4	76.5	2.3	2.3	2.1	667.9	605.9	513.0	358.1	209.0	154.4	0.0	0.0	0.0	0.2	0.2	9.1	31.0	0.0	0.0	0.0
09	80.0	59.3	69.7	2.6	2.8	2.4	440.0	381.3	296.3	170.4	75.8	49.0	0.7	1.9	6.9	31.1	0.0	2.4	30.0	0.0	0.0	0.0
10	68.8	47.2	58.0	2.6	2.0	2.0	146.2	110.1	66.3	22.1	5.7	3.0	53.2	79.1	128.3	239.1	0.0	0.0	30.7	0.0	0.8	0.0
11	56.3	37.8	47.1	4.5	3.0	3.6	25.7	14.3	6.1	0.9	0.0	0.0	264.0	312.7	394.5	539.3	0.0	0.0	21.3	0.0	9.1	0.0
12	47.1	30.7	38.9	4.5	4.0	4.1	4.2	2.3	0.9	0.0	0.0	0.0	503.1	563.3	654.9	808.9	0.0	0.0	10.4	2.6	19.0	0.0
Summary	67.1	46.9	57.0	3.4	3.0	3.0	3099	2710	2173	1397	772	568	2328	2669	3226	4275	0.9	36.4	286.1	8.8	83.6	0.3

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	2.58	7.6	5.8	2.6	0.9	1.54	2.31	3.02	
02	2.95	6.5	5.4	1.9	0.2	1.73	2.34	4.27	
03	3.71	11.2	8.6	4.0	1.1	2.60	3.73	4.49	
04	3.55	9.8	6.7	2.7	0.7	2.50	3.53	4.28	
05	3.99	10.2	7.3	2.2	0.6	2.29	3.30	5.61	
06	4.26	9.7	6.5	2.2	0.7	2.91	4.04	5.14	
07	3.90	9.4	7.0	2.4	0.8	2.77	3.71	4.57	
08	2.89	8.1	5.4	2.1	0.8	2.06	2.66	3.35	
09	5.80	9.8	7.3	3.5	1.5	3.24	4.49	8.03	
10	3.26	5.6	4.1	1.5	0.5	1.97	2.82	4.35	
11	2.66	8.2	5.3	2.4	0.9	1.72	2.43	3.40	
12	3.97	9.1	6.7	2.3	0.8	3.03	3.79	5.03	
Summary	43.52	105.2	76.1	29.8	9.5	28.36	39.15	55.54	

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Growing Degree Units (Monthly)</b>												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	54.0	66.4	211.1	500.9	812.2	1027.2	1193.2	1132.8	889.2	558.2	242.8	86.9
45	22.7	24.8	112.0	358.7	657.2	877.2	1038.2	977.8	739.2	406.5	141.5	36.7
50	9.8	7.1	53.1	229.7	502.5	727.2	883.2	822.8	589.2	264.2	71.0	13.7
55	3.8	1.8	20.9	130.9	352.1	577.4	728.3	667.9	440.0	146.2	25.7	4.2
60	1.2	0.1	6.2	65.5	215.4	428.1	573.4	513.0	296.3	66.3	6.1	0.9
<b>Growing Degree Units for Corn (Monthly)</b>												
50/86	28.5	40.2	117.8	299.8	512.2	693.7	826.1	784.1	586.3	321.9	126.1	40.1

Growing Degree Units (Accumulated Monthly)												
40	54	120	332	832	1645	2672	3865	4998	5887	6445	6688	6775
45	23	48	160	518	1175	2053	3091	4069	4808	5214	5356	5392
50	10	17	70	300	802	1529	2413	3235	3825	4089	4160	4174
55	4	6	26	157	510	1087	1815	2483	2923	3069	3095	3099
60	1	1	8	73	288	716	1290	1803	2099	2166	2172	2173
<b>Growing Degree Units for Corn (Monthly Accumulated)</b>												
50/86	28	69	186	486	998	1692	2518	3302	3889	4211	4337	4377

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

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