

Summary of Monthly Normals 1991-2020

Generated on 09/28/2021

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	42.6	25.2	33.9	4.4	4.2	4.2	3.7	2.2	0.7	0.0	0.0	0.0	657.6	718.2	809.7	963.9	0.0	0.0	8.4	5.6	24.3	0.3
02	46.1	26.7	36.4	5.1	4.0	4.4	4.0	2.6	1.0	0.1	0.0	0.0	524.7	579.3	661.8	800.7	0.0	0.0	10.1	2.6	21.1	0.2
03	54.8	33.6	44.2	4.6	3.4	3.9	22.9	15.7	7.8	2.0	0.2	0.1	357.7	412.4	497.6	646.7	0.0	0.0	19.9	0.6	15.2	0.1
04	66.8	43.2	55.0	2.9	2.5	2.5	108.9	82.7	52.2	20.3	5.2	2.5	109.0	142.7	202.2	320.3	0.0	0.4	28.3	0.0	3.7	0.0
05	75.0	53.0	64.0	3.4	3.4	3.3	291.6	240.2	171.4	84.4	31.0	18.0	12.6	23.2	47.5	115.4	0.0	1.4	31.0	0.0	0.2	0.0
06	83.1	61.9	72.5	2.1	1.8	1.8	525.3	465.9	377.7	238.1	121.2	84.1	0.4	0.9	2.7	13.3	0.0	5.7	30.0	0.0	0.0	0.0
07	87.6	66.8	77.2	2.9	2.1	2.3	688.1	626.2	533.2	378.1	227.8	173.0	0.0	0.0	0.0	0.1	0.4	12.5	31.0	0.0	0.0	0.0
08	86.3	65.2	75.7	2.8	2.3	2.3	643.2	581.2	488.3	333.9	188.9	138.0	0.0	0.0	0.0	0.8	0.1	9.3	31.0	0.0	0.0	0.0
09	79.3	57.9	68.6	3.0	2.6	2.4	411.4	354.4	272.6	152.5	66.5	43.5	3.4	6.5	14.7	44.7	0.0	3.1	30.0	0.0	0.0	0.0
10	67.8	45.3	56.6	2.7	2.9	2.6	128.3	96.5	59.1	21.8	5.9	3.1	80.2	110.5	166.0	283.7	0.0	0.2	30.5	0.0	2.4	0.0
11	56.5	35.6	46.0	4.3	2.8	3.3	23.1	14.6	6.3	1.3	0.1	0.0	291.5	343.1	424.8	569.7	0.0	0.0	22.5	0.1	12.9	0.0
12	46.5	29.0	37.7	4.5	3.6	3.9	5.8	3.5	1.3	0.2	0.0	0.0	540.5	600.2	691.0	844.8	0.0	0.0	11.4	2.0	21.8	0.0
Summary	66.0	45.3	55.7	3.6	3.0	3.1	2856	2486	1972	1233	647	462	2578	2937	3518	4604	0.5	32.6	284.1	10.9	101.6	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	2.94	10.3	5.9	2.0	0.6	2.12	2.68	3.61
02	2.61	9.1	5.6	1.6	0.6	1.77	2.32	3.43
03	3.50	11.0	6.7	2.2	0.9	2.42	3.46	4.14
04	3.47	11.0	6.3	2.0	0.8	2.21	3.10	4.36
05	4.72	12.7	8.0	3.6	0.9	2.85	4.63	5.99
06	4.30	10.8	6.7	2.9	1.2	2.55	4.10	5.67
07	4.15	11.0	6.7	2.7	1.3	2.44	3.37	5.54
08	3.53	9.3	5.6	2.2	1.1	1.97	3.77	4.77
09	3.94	9.0	5.9	2.5	1.2	1.95	3.21	6.07
10	3.65	8.1	5.1	2.4	1.2	1.66	3.09	4.98
11	3.13	8.6	5.4	2.1	0.9	1.80	2.58	4.13
12	3.30	10.2	6.3	2.5	0.7	2.14	2.97	4.52
Summary	43.24	121.1	74.2	28.7	11.4	25.88	39.28	57.21

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Summary of Monthly Normals
1991-2020
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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	6.9	3.1	1.6	0.8	0.3	0.1	4.4	2.1	1.3	0.6	2.0	4.3	7.1
02	7.0	2.9	1.6	0.7	0.3	0.1	5.2	2.8	1.5	0.6	0.7	3.2	8.6
03	3.9	1.8	1.1	0.5	0.2	0.0	2.2	0.9	0.3	0.1	0.0	1.5	5.9
04	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05	0.0	0.0	0.0	0.0	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	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	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	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	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.3	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12	2.8	1.6	0.9	0.2	0.1	0.0	1.9	0.7	0.3	0.1	0.0	1.7	3.4
Summary	21.0	9.7	5.3	2.3	0.9	0.2	13.8	6.5	3.4	1.4	2.7	10.7	25.0

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U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 290 ft. Lat: 38.9408° N Lon: -77.4636° W
 Station: WASHINGTON DC DULLES AP, VA US USW00093738

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National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	51.0	61.7	192.4	452.6	744.0	974.9	1153.1	1108.1	857.9	513.9	217.7	76.6
45	22.1	27.9	107.6	314.5	589.1	824.9	998.1	953.1	707.9	365.0	121.4	34.3
50	9.3	10.8	53.7	196.7	435.5	675.0	843.1	798.2	558.4	232.0	58.0	14.9
55	3.7	4.0	22.9	108.9	291.6	525.3	688.1	643.2	411.4	128.3	23.1	5.8
60	0.7	1.0	7.8	52.2	171.4	377.7	533.2	488.3	272.6	59.1	6.3	1.3
Growing Degree Units for Corn (Monthly)												
50/86	29.7	41.5	118.5	272.8	463.6	655.8	793.7	759.3	558.2	307.2	127.0	41.6

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	51	113	305	758	1502	2477	3630	4738	5596	6110	6327	6404
45	22	50	158	472	1061	1886	2884	3837	4545	4910	5032	5066
50	9	20	74	270	706	1381	2224	3022	3581	3813	3871	3886
55	4	8	31	140	431	956	1644	2288	2699	2827	2850	2856
60	1	2	10	62	233	611	1144	1632	1905	1964	1970	1972
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	30	71	190	462	926	1582	2376	3135	3693	4000	4127	4169

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

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