

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 145 ft. Lat: 39.0303° N Lon: 76.9314° W

Station: BELTSVILLE, MD US USC00180700

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	42.7	25.3	34.0	4.1	4.1	4.0	2.3	1.2	0.5	0.0	0.0	0.0	653.2	714.1	806.3	960.9	0.0	0.0	8.5	5.3	24.6	0.0
02	45.5	27.0	36.3	4.6	3.7	4.1	2.2	1.3	0.4	0.0	0.0	0.0	527.2	582.2	665.3	804.9	0.0	0.0	9.8	2.7	21.3	0.1
03	53.4	34.1	43.7	4.1	3.3	3.6	19.4	12.7	6.0	1.1	0.3	0.1	368.1	423.4	509.7	659.8	0.0	0.0	18.6	0.7	13.9	0.0
04	65.3	43.8	54.5	2.6	2.3	2.3	103.3	77.9	48.6	18.2	5.0	2.5	116.9	151.4	212.1	331.8	0.0	0.2	27.9	0.0	2.5	0.0
05	74.2	53.6	63.9	3.4	3.6	3.3	290.4	239.5	171.7	85.1	32.3	19.4	14.5	25.6	50.8	119.2	0.0	1.1	31.0	0.0	0.0	0.0
06	83.0	63.0	73.0	2.1	1.7	1.7	540.3	480.9	392.8	253.0	134.0	95.8	0.4	0.9	2.9	13.1	0.0	6.0	30.0	0.0	0.0	0.0
07	87.1	67.6	77.4	2.5	2.0	2.1	692.8	630.8	537.8	382.9	232.4	177.1	0.0	0.0	0.0	0.1	0.3	11.5	31.0	0.0	0.0	0.0
08	85.6	66.1	75.8	2.3	2.2	2.0	646.3	584.3	491.3	337.2	190.9	139.5	0.0	0.0	0.0	1.0	0.1	7.8	31.0	0.0	0.0	0.0
09	79.2	59.4	69.3	2.5	2.3	2.0	431.4	373.7	290.0	165.8	73.4	47.7	2.5	4.8	11.1	36.8	0.0	2.9	30.0	0.0	0.0	0.0
10	67.8	46.8	57.3	2.4	2.9	2.3	141.5	107.5	65.9	24.1	7.1	3.7	70.2	98.1	149.6	262.8	0.0	0.1	30.7	0.0	1.0	0.0
11	56.7	36.7	46.7	3.9	2.7	3.1	23.9	14.4	6.2	1.0	0.1	0.0	272.8	323.4	405.2	549.9	0.0	0.0	22.4	0.1	10.4	0.0
12	46.8	29.8	38.3	4.1	3.4	3.7	4.1	2.4	0.8	0.0	0.0	0.0	521.7	582.0	673.4	827.7	0.0	0.0	11.9	1.9	21.6	0.0
Summary	65.6	46.1	55.8	3.2	2.8	2.9	2898	2527	2012	1268	676	486	2548	2906	3486	4568	0.4	29.6	282.8	10.7	95.3	0.1

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	2.87	10.0	6.2	1.8	0.6	2.23	2.79	3.55
02	2.40	8.9	5.2	1.7	0.4	1.68	2.13	3.19
03	3.72	10.2	6.8	2.6	0.9	2.32	3.78	4.31
04	3.28	10.8	6.8	2.3	0.7	2.14	3.41	4.25
05	4.27	10.9	7.8	2.9	1.1	2.56	3.63	5.74
06	4.23	10.3	7.1	3.0	1.0	2.43	3.60	5.22
07	4.51	10.1	7.1	2.9	1.2	2.82	4.15	6.08
08	3.88	9.2	6.1	2.4	1.0	2.50	3.67	4.60
09	4.42	8.6	6.2	3.1	1.6	2.45	3.32	5.84
10	4.04	9.0	5.6	2.8	1.3	2.01	3.83	5.70
11	2.92	8.2	5.1	2.0	0.7	1.54	2.25	4.17
12	3.48	9.8	6.4	2.5	0.9	2.18	3.34	4.81
Summary	44.02	116.0	76.4	30.0	11.4	26.86	39.90	57.46

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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	5.70	2.5	1.8	0.8	0.3	0.1	4.5	2.2	1.5	0.6	1.60	3.30	7.90
02	5.00	2.2	1.6	0.7	0.4	0.1	5.5	3.2	2.4	0.9	0.40	2.00	5.50
03	2.50	1.2	0.8	0.3	0.2	0.0	2.2	0.9	0.5	0.0	0.00	0.20	3.90
04	0.10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	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	0.20	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
12	2.30	1.4	1.0	0.3	0.1	0.0	2.1	0.7	0.4	0.2	0.00	1.00	3.00
Summary	15.8	7.6	5.3	2.1	1.0	0.2	14.4	7.0	4.8	1.7	2.0	6.5	20.3

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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	47.5	59.0	181.8	440.0	740.9	989.9	1157.8	1111.3	878.9	536.8	230.0	79.5
45	19.2	24.2	98.3	302.4	586.1	839.9	1002.7	956.2	728.9	386.2	130.0	34.4
50	7.2	8.2	48.0	188.0	432.6	690.0	847.8	801.3	579.3	249.9	62.4	12.6
55	2.3	2.2	19.4	103.3	290.4	540.3	692.8	646.3	431.4	141.5	23.9	4.1
60	0.5	0.4	6.0	48.6	171.7	392.8	537.8	491.3	290.0	65.9	6.2	0.8
Growing Degree Units for Corn (Monthly)												
50/86	28.9	37.4	101.9	252.2	455.1	668.7	803.6	769.7	576.4	312.4	127.5	41.8

Growing Degree Units (Accumulated Monthly)												
40	48	106	288	728	1469	2459	3617	4728	5607	6144	6374	6453
45	19	43	142	444	1030	1870	2873	3829	4558	4944	5074	5108
50	7	15	63	251	684	1374	2222	3023	3602	3852	3915	3927
55	2	4	24	127	418	958	1651	2297	2728	2870	2894	2898
60	0	1	7	56	227	620	1158	1649	1939	2005	2011	2012
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	29	66	168	420	876	1544	2348	3118	3694	4006	4134	4176

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