U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals 1991-2020

Generated on 11/06/2026

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

Current Location: Elev: 10 ft. Lat: 38.8483° N Lon: 77.0342° W

Station: **WASHINGTON REAGAN AP, VA US USW00013743**

Temperature (°F)

Month	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
	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	44.8	30.1	37.5	4.2	4.0	4.1	3.9	2.1	0.5	0.0	0.0	0.0	547.8	608.0	699.5	853.9	0.0	0.0	9.3	4.1	19.5	0.0
02	48.3	31.8	40.0	4.9	4.1	4.4	5.7	3.4	1.4	0.1	0.0	0.0	424.2	478.0	560.0	698.7	0.0	0.0	11.9	1.8	15.4	0.0
03	56.5	38.6	47.6	4.1	3.3	3.6	35.7	24.5	12.7	2.9	0.3	0.1	266.6	317.4	398.6	543.8	0.0	0.0	22.0	0.3	7.5	0.0
04	68.0	48.4	58.2	2.6	2.3	2.4	156.3	120.7	78.2	32.4	9.2	4.8	60.3	84.7	132.2	236.4	0.0	0.4	29.0	0.0	0.5	0.0
05	76.5	58.0	67.2	3.4	3.1	3.2	382.4	324.1	243.0	132.3	58.3	38.3	2.6	6.4	18.3	62.6	0.0	2.1	31.0	0.0	0.0	0.0
06	85.1	67.5	76.3	2.3	1.8	1.9	639.0	579.0	489.5	343.0	207.2	158.7	0.0	0.1	0.5	4.0	0.2	7.5	30.0	0.0	0.0	0.0
07	89.6	72.4	81.0	2.7	2.1	2.3	805.9	743.9	651.0	495.9	341.2	280.2	0.0	0.0	0.0	0.0	0.8	15.4	31.0	0.0	0.0	0.0
08	87.8	71.0	79.4	2.6	1.8	2.1	756.3	694.3	601.4	446.4	293.2	234.1	0.0	0.0	0.0	0.1	0.3	10.8	31.0	0.0	0.0	0.0
09	80.7	64.1	72.4	2.8	2.2	2.3	522.5	463.2	375.8	237.5	122.3	86.1	0.6	1.3	3.8	15.6	0.0	3.6	30.0	0.0	0.0	0.0
10	69.4	52.2	60.8	2.5	2.4	2.3	210.5	165.8	109.6	45.1	14.9	8.9	30.7	47.9	84.8	175.2	0.0	0.3	30.7	0.0	0.0	0.0
11	58.2	41.6	49.9	4.0	2.7	3.3	40.8	26.3	11.7	2.0	0.2	0.0	193.7	239.2	314.7	454.9	0.0	0.0	24.3	0.0	3.8	0.0
12	48.8	34.5	41.7	4.2	3.5	3.8	7.9	4.8	1.9	0.2	0.0	0.0	421.7	480.6	570.7	724.0	0.0	0.0	13.2	1.3	13.3	0.0
Summary	67.8	50.9	59.3	3.4	2.8	3.0	3567	3152	2577	1738	1047	811	1948	2264	2783	3769	1.3	40.1	293.4	7.5	60.0	0.0

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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	2.86	9.7	5.7	2.1	0.7	2.29	2.72	3.29
02	2.62	9.3	5.4	1.6	0.5	1.74	2.28	3.45
03	3.50	11.0	6.5	2.2	0.9	2.43	3.58	4.19
04	3.21	10.8	6.4	2.2	0.7	2.13	3.14	3.94
05	3.94	11.6	7.3	2.8	0.8	2.26	3.34	4.97
06	4.20	10.6	6.5	2.8	1.0	2.29	3.41	4.78
07	4.33	10.5	6.7	3.2	1.1	2.86	4.23	5.57
08	3.25	8.7	5.6	2.1	0.8	2.00	2.79	4.23
09	3.93	8.7	5.8	2.5	1.0	1.65	3.49	5.90
10	3.66	8.3	4.9	2.5	1.1	2.02	3.45	5.05
11	2.91	8.4	5.0	2.1	0.8	1.57	2.33	4.41
12	3.41	10.1	6.4	2.7	0.6	2.22	3.16	4.75
Summary	41.82	117.7	72.2	28.8	10.0	25.46	37.92	54.53

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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	4.90	2.8	1.3	0.5	0.2	0.1	3.5	1.7	1.0	0.5	1.30	3.10	6.30
02	5.00	2.7	1.3	0.5	0.3	0.0	4.2	2.4	1.3	0.5	0.30	2.70	5.60
03	2.00	1.1	0.6	0.3	0.1	0.0	1.2	0.6	0.2	0.0	0.00	0.30	3.50
04	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
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	0.10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	1.70	1.3	0.5	0.1	0.1	0.0	1.1	0.5	0.3	0.1	0.00	0.20	2.00
Summary	13.7	8.0	3.7	1.4	0.7	0.1	10.0	5.2	2.8	1.1	1.6	6.3	17.4

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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	78.8	99.7	264.8	546.6	844.8	1088.9	1270.9	1221.3	971.9	644.8	309.1	128.4
45	32.8	46.1	156.0	400.9	689.8	938.9	1115.9	1066.3	821.9	490.8	188.7	57.9
50	12.1	17.7	80.5	267.0	535.0	788.9	960.9	911.3	672.0	342.7	98.4	22.6
55	3.9	5.7	35.7	156.3	382.4	639.0	805.9	756.3	522.5	210.5	40.8	7.9
60	0.5	1.4	12.7	78.2	243.0	489.5	651.0	601.4	375.8	109.6	11.7	1.9
Growing Degree Units for Corn (Monthly)												
50/86	35.6	50.8	134.8	305.0	533.0	753.6	889.9	860.0	657.6	367.9	147.7	52.2

Growing Degree Units (Accumulated Monthly)

40	79	178	443	990	1835	2924	4194	5416	6388	7032	7342	7470
45	33	79	235	636	1326	2264	3380	4447	5269	5759	5948	6006
50	12	30	110	377	912	1701	2662	3573	4245	4588	4686	4709
55	4	10	45	202	584	1223	2029	2785	3308	3518	3559	3567
60	0	2	15	93	336	825	1476	2078	2454	2563	2575	2577
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	36	86	221	526	1059	1813	2703	3563	4220	4588	4736	4788

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

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