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: 39.8683° N Lon: 75.2311° W

Station: **PHILADELPHIA INTL AP, PA US USW00013739**

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	41.3	26.0	33.7	4.4	4.0	4.2	1.3	0.8	0.4	0.0	0.0	0.0	663.0	724.5	817.1	971.7	0.0	0.0	6.9	6.4	22.5	0.0
02	44.3	27.5	35.9	4.9	4.2	4.5	1.3	0.6	0.2	0.0	0.0	0.0	536.1	591.4	674.9	814.7	0.0	0.0	8.4	3.6	19.6	0.0
03	52.8	34.3	43.6	4.1	3.2	3.6	14.6	9.3	4.1	0.7	0.0	0.0	369.5	426.2	514.1	665.6	0.0	0.0	18.1	0.6	11.8	0.0
04	64.7	44.3	54.5	2.6	2.2	2.4	93.3	68.4	40.9	14.7	3.8	2.0	108.3	143.4	205.9	329.7	0.0	0.2	27.8	0.0	0.8	0.0
05	74.4	54.2	64.3	3.3	3.0	3.0	296.7	243.0	170.6	82.4	31.4	19.1	8.4	16.7	37.3	104.1	0.0	1.7	31.0	0.0	0.0	0.0
06	83.2	63.9	73.5	2.0	1.8	1.8	556.5	496.8	407.9	266.4	142.8	102.4	0.1	0.3	1.4	9.9	0.1	5.8	30.0	0.0	0.0	0.0
07	87.8	69.6	78.7	2.5	2.1	2.3	734.6	672.6	579.6	424.6	271.6	213.2	0.0	0.0	0.0	0.0	0.4	12.5	31.0	0.0	0.0	0.0
08	85.8	67.9	76.8	2.4	2.2	2.2	677.3	615.3	522.3	367.8	218.6	163.7	0.0	0.0	0.0	0.6	0.1	7.5	31.0	0.0	0.0	0.0
09	78.9	60.9	69.9	2.5	2.2	2.2	448.1	389.6	304.1	175.4	78.3	50.9	1.2	2.7	7.1	28.4	0.0	1.9	30.0	0.0	0.0	0.0
10	67.2	49.2	58.2	2.3	2.7	2.3	152.9	116.0	71.2	25.7	6.7	3.2	53.7	78.8	127.0	236.5	0.0	0.0	30.5	0.0	0.1	0.0
11	55.9	38.8	47.4	3.9	2.9	3.3	23.6	14.2	5.5	0.6	0.0	0.0	253.1	303.6	385.0	530.0	0.0	0.0	22.2	0.1	5.4	0.0
12	46.0	31.2	38.6	4.2	3.8	3.9	4.1	2.2	0.6	0.0	0.0	0.0	512.4	572.5	664.0	818.3	0.0	0.0	10.9	2.4	17.2	0.0
Summary	65.2	47.3	56.3	3.3	2.9	3.0	3004	2629	2107	1358	753	554	2506	2860	3434	4510	0.6	29.6	277.8	13.1	77.4	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	3.13	11.0	6.0	2.1	0.7	2.61	3.01	4.06
02	2.75	9.7	5.8	1.8	0.5	1.89	2.49	3.27
03	3.96	10.9	6.7	2.9	1.0	3.57	3.98	4.29
04	3.47	10.9	6.4	2.2	0.7	2.38	3.04	3.99
05	3.34	11.0	6.3	2.4	0.8	2.35	3.14	3.96
06	4.04	10.3	6.6	2.8	0.9	1.92	3.36	4.89
07	4.38	10.1	6.3	2.4	1.1	2.46	3.67	5.50
08	4.29	8.9	5.8	2.8	1.5	2.45	3.70	5.03
09	4.40	9.3	5.6	2.4	1.3	2.69	3.66	5.41
10	3.47	9.1	5.5	2.4	0.8	1.89	3.61	4.41
11	2.91	8.6	5.6	2.2	0.6	1.79	2.69	3.78
12	3.97	11.0	6.7	3.1	1.0	2.86	3.78	5.01
Summary	44.11	120.8	73.3	29.5	10.9	28.86	40.13	53.60

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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	7.10	4.1	1.5	0.6	0.3	0.2	5.1	2.6	1.7	0.8	1.80	4.10	6.50
02	8.40	3.8	1.9	0.9	0.4	0.1	5.9	3.7	1.9	0.6	1.30	5.90	10.80
03	3.60	2.0	0.9	0.5	0.2	0.0	1.9	0.8	0.3	0.1	0.00	1.60	5.30
04	0.30	0.2	0.1	0.0	0.0	0.0	0.1	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	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	3.50	1.8	0.7	0.3	0.2	0.1	2.5	1.0	0.4	0.2	0.00	0.40	7.00
Summary	23.1	12.0	5.2	2.3	1.1	0.4	15.5	8.1	4.3	1.7	3.1	12.0	29.6

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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	42.1	51.1	171.4	437.4	753.3	1006.4	1199.5	1142.2	896.9	564.3	245.3	84.8
45	15.8	19.6	87.7	298.2	598.4	856.4	1044.5	987.2	746.9	411.9	138.8	36.0
50	5.0	5.9	38.5	179.2	443.9	706.4	889.6	832.3	597.0	270.1	65.5	13.3
55	1.3	1.3	14.6	93.3	296.7	556.5	734.6	677.3	448.1	152.9	23.6	4.1
60	0.4	0.2	4.1	40.9	170.6	407.9	579.6	522.3	304.1	71.2	5.5	0.6
Growing Degree Units for Corn (Monthly)												
50/86	21.2	28.6	91.9	238.8	453.3	682.9	837.6	799.4	591.3	310.3	117.4	36.4

Growing Degree Units (Accumulated Monthly)

40	42	93	265	702	1455	2462	3661	4803	5700	6265	6510	6595
45	16	35	123	421	1020	1876	2921	3908	4655	5067	5205	5241
50	5	11	49	229	672	1379	2268	3101	3698	3968	4033	4047
55	1	3	17	110	407	964	1698	2376	2824	2977	3000	3004
60	0	1	5	46	216	624	1204	1726	2030	2101	2107	2107
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	21	50	142	380	834	1517	2354	3154	3745	4055	4173	4209

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

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