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

Summary of Monthly Normals
1991-2020

Generated on 11/11/2026

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

Current Location: Elev: 390 ft. Lat: 40.6508° N Lon: 75.4492° W

Station: **ALLENTOWN INTL AP, PA US USW00014737**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	38.4	21.8	30.1	4.6	4.6	4.5	0.6	0.4	0.2	0.0	0.0	0.0	772.3	834.2	926.9	1081.8	0.0	0.0	3.8	10.0	26.7	0.8
02	41.6	23.2	32.4	5.0	4.8	4.8	0.7	0.4	0.1	0.0	0.0	0.0	633.4	689.1	772.8	912.7	0.0	0.0	5.5	5.7	23.8	0.4
03	50.8	30.5	40.7	4.8	3.4	4.0	9.1	5.9	2.7	0.4	0.0	0.0	453.9	512.7	602.5	755.2	0.0	0.0	14.2	1.3	19.3	0.0
04	63.4	40.3	51.8	2.8	2.2	2.3	63.3	45.7	26.7	8.3	1.8	0.8	157.8	200.2	271.2	402.8	0.0	0.2	26.3	0.0	6.1	0.0
05	73.5	50.6	62.0	3.4	3.4	3.2	237.2	189.6	129.8	59.5	20.7	11.7	18.7	33.1	66.3	151.0	0.0	1.1	31.0	0.0	0.4	0.0
06	81.9	59.9	70.9	2.0	1.4	1.4	477.3	418.1	330.9	196.4	90.8	59.5	0.4	1.2	3.9	19.4	0.0	3.1	30.0	0.0	0.0	0.0
07	86.4	64.7	75.6	2.9	2.4	2.5	636.9	575.0	481.9	327.7	183.3	133.2	0.0	0.0	0.0	0.8	0.1	7.7	31.0	0.0	0.0	0.0
08	84.3	62.8	73.6	2.2	2.3	2.0	575.0	513.0	420.1	268.0	133.5	90.4	0.0	0.0	0.1	3.1	0.0	4.5	31.0	0.0	0.0	0.0
09	77.4	55.2	66.3	2.7	2.6	2.3	345.1	289.6	212.1	108.0	41.0	24.7	6.1	10.6	23.2	69.1	0.0	1.5	30.0	0.0	0.0	0.0
10	65.5	43.8	54.6	2.7	3.3	2.7	95.6	68.6	38.7	12.8	3.1	1.4	106.5	141.4	204.6	333.6	0.0	0.1	29.7	0.0	3.1	0.0
11	53.8	34.1	43.9	3.9	2.8	3.2	12.7	7.0	2.4	0.3	0.0	0.0	344.1	398.5	483.9	631.7	0.0	0.0	18.3	0.3	14.9	0.0
12	43.1	26.8	35.0	4.3	3.9	4.0	1.4	0.6	0.0	0.0	0.0	0.0	622.9	684.1	776.5	931.5	0.0	0.0	6.9	4.8	23.8	0.0
Summary	63.3	42.8	53.1	3.4	3.1	3.1	2455	2114	1646	981	474	322	3116	3505	4132	5293	0.1	18.2	257.7	22.1	118.1	1.2

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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	3.30	11.4	6.4	2.5	0.8	2.41	2.98	3.87
02	2.77	10.1	5.9	1.7	0.4	1.85	2.52	3.13
03	3.63	10.9	6.8	2.5	0.9	3.08	3.62	4.40
04	3.67	11.8	6.8	2.3	0.9	2.61	3.19	5.00
05	3.65	12.4	7.6	2.6	0.7	2.67	3.81	4.42
06	4.40	11.4	7.2	3.1	1.3	2.71	4.44	5.53
07	5.30	11.0	8.0	3.5	1.4	4.19	5.40	6.56
08	4.56	10.2	7.1	2.8	1.3	2.29	3.78	5.20
09	4.84	9.6	6.5	2.9	1.5	2.73	3.78	6.44
10	4.14	9.9	6.2	2.5	1.2	2.46	3.46	5.14
11	3.24	8.9	5.7	2.1	0.9	2.27	3.06	4.39
12	3.86	11.5	7.3	2.8	1.0	2.57	3.75	4.90
Summary	47.36	129.1	81.5	31.3	12.3	31.84	43.79	58.98

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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	9.80	5.1	2.4	0.9	0.5	0.2	8.8	5.3	3.0	1.7	2.30	5.30	15.40
02	10.80	4.3	2.4	1.0	0.6	0.2	10.8	8.0	6.1	2.3	2.50	8.00	14.10
03	6.30	2.6	1.5	0.8	0.3	0.1	5.5	4.1	2.6	1.1	0.40	4.30	9.80
04	0.50	0.3	0.1	0.1	0.0	0.0	0.1	0.1	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	0.20	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.00	0.00	0.00
11	0.90	0.5	0.3	0.1	0.0	0.0	0.6	0.3	0.1	0.0	0.00	0.00	0.70
12	4.60	2.9	1.4	0.5	0.3	0.0	4.6	2.6	1.3	0.3	0.40	1.80	7.60
Summary	33.1	15.7	8.1	3.4	1.7	0.5	30.5	20.5	13.2	5.4	5.6	19.4	47.6

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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	23.3	27.9	122.2	362.1	683.5	926.9	1101.9	1039.9	788.9	455.6	169.9	46.6
45	8.5	9.5	60.4	232.5	528.7	776.9	946.9	885.0	639.0	310.3	88.0	18.0
50	2.2	2.6	25.2	131.0	376.7	626.9	791.9	730.0	489.6	185.7	37.7	5.6
55	0.6	0.7	9.1	63.3	237.2	477.3	636.9	575.0	345.1	95.6	12.7	1.4
60	0.2	0.1	2.7	26.7	129.8	330.9	481.9	420.1	212.1	38.7	2.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	13.3	19.3	76.3	214.7	414.5	612.9	752.9	706.8	502.1	263.7	94.6	22.3

Growing Degree Units (Accumulated Monthly)

40	23	51	173	536	1219	2146	3248	4288	5077	5532	5702	5749
45	8	18	78	311	840	1616	2563	3448	4087	4398	4486	4504
50	2	5	30	161	538	1165	1956	2686	3176	3362	3399	3405
55	1	1	10	74	311	788	1425	2000	2345	2441	2453	2455
60	0	0	3	30	160	490	972	1392	1604	1643	1646	1646
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	13	33	109	324	738	1351	2104	2811	3313	3576	3671	3693

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

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