

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1490 ft. Lat: 39.7994° N Lon: 79.3664° W
Station: CONFLUENCE 1 SW DAM, PA US USC00361705

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	36.9	18.8	27.9	4.5	4.7	4.4	0.2	0.1	0.0	0.0	0.0	0.0	841.7	903.5	996.4	1151.6	0.0	0.0	5.3	11.1	28.2	2.6
02	40.5	20.1	30.3	5.2	4.9	4.9	0.6	0.3	0.1	0.0	0.0	0.0	692.2	747.9	831.6	971.6	0.0	0.0	6.5	7.2	25.4	2.2
03	49.5	26.6	38.1	5.1	3.4	4.0	6.4	3.7	1.4	0.1	0.0	0.0	531.8	591.1	681.7	835.5	0.0	0.0	14.9	2.5	23.7	0.5
04	62.7	36.4	49.5	3.1	2.4	2.4	50.0	34.0	17.4	3.8	0.3	0.1	213.5	257.5	330.9	467.3	0.0	0.0	25.2	0.1	12.7	0.0
05	72.1	47.0	59.6	4.0	3.5	3.6	190.4	150.4	99.1	39.7	9.1	3.7	49.4	71.3	113.1	208.7	0.0	0.5	30.6	0.0	2.4	0.0
06	79.8	55.7	67.8	2.2	1.9	1.7	384.8	327.1	243.7	123.1	41.6	22.3	2.4	4.7	11.3	40.6	0.0	2.1	30.0	0.0	0.0	0.0
07	83.5	59.7	71.6	2.5	2.1	2.1	514.5	452.6	360.0	210.2	87.9	53.1	0.0	0.0	0.4	5.6	0.1	4.9	31.0	0.0	0.0	0.0
08	82.2	58.6	70.4	2.6	2.3	2.1	477.4	415.6	323.6	178.9	67.0	37.8	0.1	0.3	1.3	11.5	0.0	3.1	31.0	0.0	0.0	0.0
09	76.1	51.7	63.9	2.9	2.8	2.2	279.5	228.0	157.8	67.5	18.7	9.0	12.6	21.1	40.9	100.5	0.0	1.3	30.0	0.0	0.4	0.0
10	64.4	40.1	52.3	2.7	3.2	2.4	68.8	48.3	25.8	7.9	1.4	0.4	154.0	195.6	266.0	403.1	0.0	0.0	28.3	0.0	7.9	0.0
11	51.8	30.1	41.0	5.0	2.7	3.6	6.0	3.1	0.9	0.0	0.0	0.0	427.4	484.6	572.3	721.5	0.0	0.0	17.3	1.1	20.8	0.0
12	41.2	24.4	32.8	5.2	4.2	4.6	1.4	0.7	0.2	0.0	0.0	0.0	689.5	750.9	843.3	998.2	0.0	0.0	7.1	7.3	26.3	0.4
Summary	61.7	39.1	50.4	3.8	3.2	3.2	1980	1664	1230	631	226	126	3615	4028	4689	5916	0.1	11.9	257.2	29.3	147.8	5.7

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	3.61	17.8	9.2	2.0	0.4	2.78	3.44	4.24	
02	3.41	15.2	8.3	1.9	0.5	2.30	3.00	4.51	
03	3.90	14.6	8.7	2.6	0.6	2.75	4.01	4.85	
04	4.04	15.2	9.4	2.6	0.5	2.79	3.93	5.00	
05	4.92	16.6	10.7	3.3	0.9	3.16	4.84	6.52	
06	4.86	14.6	9.0	3.1	1.1	3.35	4.56	6.20	
07	4.54	13.5	8.7	3.2	0.8	3.37	4.08	5.06	
08	4.02	12.6	7.7	2.6	0.9	2.69	3.79	4.78	
09	3.97	12.0	7.5	2.4	1.1	2.43	3.19	4.39	
10	3.35	12.1	7.2	2.1	0.7	1.78	3.26	4.68	
11	3.07	12.6	6.9	1.8	0.6	2.17	3.18	3.76	
12	3.52	16.0	8.2	2.0	0.6	2.32	3.30	4.31	
Summary	47.21	172.8	101.5	29.6	8.7	31.89	44.58	58.30	

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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	18.30	10.2	7.0	2.0	0.8	0.1	19.7	13.5	8.8	3.0	11.80	17.90	24.00
02	16.90	8.7	6.5	1.8	0.4	0.1	17.2	12.4	9.0	3.4	7.20	11.20	18.60
03	10.30	5.1	3.6	1.2	0.4	0.1	9.5	5.8	3.4	1.4	2.80	8.70	14.10
04	0.90	1.0	0.5	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.00	0.40	1.50
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	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	3.70	2.2	1.4	0.3	0.1	0.0	3.1	1.1	0.6	0.2	0.00	1.00	3.70
12	10.90	6.7	4.5	1.3	0.4	0.1	11.9	6.2	3.0	0.4	4.20	9.40	18.20
Summary	61.2	34.0	23.6	6.6	2.1	0.4	62.2	39.0	24.8	8.4	26.0	48.6	80.1

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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	24.1	28.0	99.7	309.3	606.3	832.4	979.5	942.3	716.9	387.2	125.9	40.6
45	8.8	10.5	49.3	195.8	454.4	682.4	824.5	787.3	567.2	251.0	59.8	16.0
50	2.2	3.3	20.8	108.8	311.1	532.7	669.5	632.3	419.6	142.3	21.9	5.4
55	0.2	0.6	6.4	50.0	190.4	384.8	514.5	477.4	279.5	68.8	6.0	1.4
60	0.0	0.1	1.4	17.4	99.1	243.7	360.0	323.6	157.8	25.8	0.9	0.2
Growing Degree Units for Corn (Monthly)												
50/86	15.4	24.4	78.9	209.3	375.3	535.1	652.5	622.2	448.2	242.1	88.0	24.0

Growing Degree Units (Accumulated Monthly)												
40	24	52	152	461	1067	1900	2879	3822	4538	4926	5052	5092
45	9	19	69	264	719	1401	2226	3013	3580	3831	3891	3907
50	2	6	26	135	446	979	1648	2281	2700	2843	2864	2870
55	0	1	7	57	248	632	1147	1624	1904	1973	1979	1980
60	0	0	2	19	118	362	722	1045	1203	1229	1230	1230
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	15	40	119	328	703	1238	1891	2513	2961	3203	3291	3315

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

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