

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 640 ft. Lat: 39.9353° N Lon: 77.6394° W

Station: CHAMBERSBURG 1 ESE, PA US USC00361354

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	37.4	22.9	30.2	4.6	4.4	4.5	0.8	0.4	0.1	0.0	0.0	0.0	771.0	832.6	925.2	1080.2	0.0	0.0	4.6	9.3	25.7	0.5
02	40.9	24.6	32.7	5.0	4.3	4.6	0.8	0.4	0.1	0.0	0.0	0.0	623.7	679.3	762.9	902.9	0.0	0.0	6.2	5.3	23.1	0.2
03	50.4	31.9	41.1	4.8	3.2	3.9	12.5	7.9	3.7	0.6	0.0	0.0	441.9	499.2	587.9	739.9	0.0	0.0	15.6	1.1	17.0	0.0
04	63.2	41.6	52.4	2.9	2.2	2.4	72.5	52.8	30.8	9.3	1.9	0.8	150.5	190.8	258.8	387.3	0.0	0.1	27.1	0.0	5.2	0.0
05	72.6	51.5	62.1	3.6	3.4	3.3	239.9	192.7	131.6	58.4	19.0	10.5	21.3	36.2	68.1	149.9	0.0	1.0	31.0	0.0	0.2	0.0
06	80.8	60.6	70.7	2.3	1.4	1.7	471.5	412.4	326.0	192.3	85.9	54.7	0.6	1.5	5.1	21.4	0.0	3.8	30.0	0.0	0.0	0.0
07	84.9	64.7	74.8	3.0	2.2	2.4	613.8	551.7	458.7	304.6	163.4	115.9	0.0	0.0	0.0	0.9	0.2	7.8	31.0	0.0	0.0	0.0
08	82.9	63.0	72.9	2.5	2.1	2.1	556.4	494.4	401.6	250.9	119.9	78.8	0.0	0.0	0.3	4.5	0.0	4.5	31.0	0.0	0.0	0.0
09	75.6	55.7	65.7	2.8	2.4	2.3	327.1	272.7	197.4	97.1	33.4	19.0	7.6	13.3	28.1	77.7	0.0	1.4	30.0	0.0	0.0	0.0
10	64.0	44.6	54.3	2.8	2.7	2.5	89.8	64.1	36.3	12.2	2.4	1.0	111.5	147.8	213.0	343.9	0.0	0.1	29.4	0.0	2.2	0.0
11	52.1	34.9	43.5	4.5	3.0	3.6	9.8	5.2	1.6	0.0	0.0	0.0	354.8	410.2	496.5	645.0	0.0	0.0	18.5	0.3	12.2	0.0
12	41.4	27.4	34.4	4.3	3.5	3.8	1.5	0.7	0.3	0.0	0.0	0.0	640.0	701.2	793.8	948.5	0.0	0.0	6.2	4.7	23.0	0.0
Summary	62.2	43.6	52.9	3.6	2.9	3.1	2396	2055	1588	925	426	281	3123	3512	4140	5302	0.2	18.7	260.6	20.7	108.6	0.7

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	3.21	9.5	6.3	2.5	0.8	2.27	2.84	3.55	
02	2.61	9.3	5.5	1.8	0.4	1.65	2.31	3.41	
03	3.61	10.0	7.1	2.4	0.8	2.48	3.82	4.60	
04	3.98	11.3	7.9	2.5	1.0	2.55	3.59	5.16	
05	4.13	12.3	8.4	2.8	0.8	2.63	4.44	5.38	
06	4.10	10.8	7.7	2.9	1.0	2.44	3.92	4.93	
07	3.83	9.8	7.2	2.4	1.1	2.46	3.95	4.59	
08	3.82	9.3	6.6	2.3	1.1	2.66	4.03	4.81	
09	4.14	8.8	6.7	2.6	1.1	2.11	3.55	6.05	
10	3.53	8.9	6.3	2.5	1.1	2.23	3.02	5.16	
11	3.12	8.0	5.4	2.1	0.6	1.98	2.67	3.87	
12	3.45	9.0	6.1	2.4	0.8	2.45	3.25	4.45	
Summary	43.53	117.0	81.2	29.2	10.6	27.91	41.39	55.96	

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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	10.00	4.2	2.5	1.2	0.5	0.1	10.5	5.6	3.2	1.2	3.70	6.90	11.30
02	8.00	3.5	2.5	1.1	0.5	0.0	10.8	7.1	5.0	1.8	4.10	6.30	9.40
03	6.00	2.0	1.6	0.7	0.4	0.1	4.6	3.1	2.4	0.8	0.00	2.80	12.30
04	0.30	0.2	0.1	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	1.00	0.6	0.3	0.1	0.0	0.0	0.4	0.2	0.0	0.0	0.00	0.00	0.50
12	5.50	2.2	1.4	0.7	0.4	0.0	4.7	2.8	1.4	0.2	0.00	2.90	8.70
Summary	30.8	12.7	8.4	3.8	1.8	0.2	31.0	18.8	12.0	4.0	7.8	18.9	42.2

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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	25.2	31.0	136.0	380.2	683.7	920.9	1078.7	1021.3	769.4	445.0	163.1	40.1
45	9.3	11.4	71.6	251.1	529.0	770.9	923.7	866.4	619.6	300.3	81.6	15.5
50	2.7	3.6	32.9	145.8	378.0	620.9	768.7	711.4	470.8	177.7	32.7	5.5
55	0.8	0.8	12.5	72.5	239.9	471.5	613.8	556.4	327.1	89.8	9.8	1.5
60	0.1	0.1	3.7	30.8	131.6	326.0	458.7	401.6	197.4	36.3	1.6	0.3
Growing Degree Units for Corn (Monthly)												
50/86	12.4	18.7	78.2	218.3	410.6	612.4	741.4	695.0	484.2	243.9	81.2	17.0
Growing Degree Units (Accumulated Monthly)												
40	25	56	192	572	1256	2177	3256	4277	5046	5491	5654	5695
45	9	21	92	343	872	1643	2567	3433	4053	4353	4435	4450
50	3	6	39	185	563	1184	1953	2664	3135	3312	3345	3351
55	1	2	14	87	326	798	1412	1968	2295	2385	2395	2396
60	0	0	4	35	166	492	951	1353	1550	1586	1588	1588
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	12	31	109	328	738	1351	2092	2787	3271	3515	3596	3613

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