

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 430 ft. Lat: 40.2258° N Lon: 77.1894° W
Station: **CARLISLE WTP, PA US USC00361920**

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	38.1	20.5	29.3	4.4	4.9	4.5	0.2	0.0	0.0	0.0	0.0	0.0	796.7	858.5	951.4	1106.6	0.0	0.0	3.8	9.3	27.8	0.9
02	41.0	21.6	31.3	4.7	4.3	4.4	0.8	0.3	0.0	0.0	0.0	0.0	664.3	719.8	803.4	943.5	0.0	0.0	5.3	5.5	25.1	0.7
03	50.0	28.9	39.5	4.6	3.2	3.8	7.0	4.0	1.6	0.2	0.0	0.0	489.0	547.9	638.6	792.2	0.0	0.0	15.0	1.4	21.0	0.0
04	62.6	38.5	50.5	3.0	2.1	2.4	51.8	36.0	18.8	5.0	0.6	0.1	185.4	229.5	302.4	438.5	0.0	0.3	26.3	0.0	6.8	0.0
05	72.5	48.9	60.7	3.4	3.2	3.1	207.2	163.4	106.8	40.4	8.6	3.7	30.6	48.7	85.2	173.8	0.0	0.8	30.8	0.0	0.4	0.0
06	81.1	58.5	69.8	2.0	1.4	1.5	444.6	385.3	298.9	166.5	66.7	39.7	0.7	1.4	5.1	22.5	0.0	3.7	30.0	0.0	0.0	0.0
07	85.5	62.5	74.0	2.7	2.3	2.3	588.9	526.9	433.8	280.3	141.6	94.8	0.0	0.0	0.0	1.4	0.3	10.3	31.0	0.0	0.0	0.0
08	83.8	60.8	72.3	2.4	2.4	2.2	536.3	474.4	381.7	229.8	100.9	62.6	0.1	0.2	0.6	3.6	0.0	5.0	31.0	0.0	0.0	0.0
09	77.4	53.2	65.3	2.4	2.7	2.0	314.4	259.9	186.3	92.4	32.6	19.0	5.5	11.0	27.5	83.4	0.0	3.1	30.0	0.0	0.0	0.0
10	65.9	41.5	53.7	2.8	2.9	2.5	80.3	57.0	32.7	11.7	2.1	0.7	120.6	159.3	228.0	361.9	0.0	0.3	29.9	0.0	3.6	0.0
11	53.5	32.3	42.9	4.3	2.5	3.2	5.5	2.5	0.4	0.0	0.0	0.0	368.5	425.5	513.4	663.0	0.0	0.0	19.5	0.3	17.2	0.0
12	42.2	25.3	33.7	3.6	3.4	3.4	0.3	0.1	0.0	0.0	0.0	0.0	659.0	720.7	813.6	968.7	0.0	0.0	6.6	3.3	24.5	0.0
Summary	62.8	41.0	51.9	3.4	2.9	2.9	2237	1910	1461	826	353	221	3320	3722	4369	5559	0.3	23.5	259.2	19.8	126.4	1.6

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	3.06	8.8	5.8	1.7	0.5	2.19	2.65	3.48	
02	2.58	9.2	6.2	2.0	0.4	1.57	2.20	3.47	
03	4.05	9.4	6.2	2.0	1.1	2.87	4.13	4.78	
04	3.79	11.4	8.0	2.0	0.9	2.59	3.60	4.49	
05	4.73	14.5	9.9	3.5	1.2	3.97	4.67	5.48	
06	4.42	11.8	8.0	2.8	1.1	2.49	4.11	5.40	
07	5.45	11.2	8.6	3.9	1.8	3.87	4.94	7.24	
08	4.03	11.1	7.3	2.5	1.1	3.15	3.69	4.51	
09	4.96	9.0	6.5	3.1	1.5	2.26	4.23	6.69	
10	4.26	10.6	6.7	3.4	1.2	3.07	4.41	5.45	
11	3.13	7.8	5.6	2.0	0.8	2.32	2.71	3.83	
12	3.57	10.3	7.2	2.6	0.9	2.74	3.33	4.64	
Summary	48.03	125.1	86.0	31.5	12.5	33.09	44.67	59.46	

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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	7.70	3.2	2.2	1.1	0.2	0.2	8.0	2.9	0.8	0.5	3.00	4.50	10.50
02	9.60	3.2	2.6	1.0	0.5	0.1	11.0	5.7	2.6	1.4	2.60	7.00	9.60
03	4.80	1.8	1.3	0.6	0.3	0.1	3.9	1.8	0.8	0.2	0.10	1.50	8.40
04	0.20	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	0.50	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
11	0.90	0.3	0.2	0.1	0.1	0.0	0.4	0.1	0.1	0.0	0.00	0.00	0.90
12	4.00	1.9	1.4	0.4	0.1	0.1	3.2	1.5	0.8	0.1	0.00	2.50	6.80
Summary	27.7	10.7	7.9	3.3	1.3	0.5	26.7	12.1	5.1	2.2	5.7	15.5	36.2

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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	13.1	21.5	103.1	327.3	641.7	893.9	1053.9	1001.2	758.9	426.8	141.6	27.0
45	3.5	8.7	50.0	206.5	487.9	743.9	898.9	846.2	609.0	284.6	66.1	8.3
50	1.2	3.1	22.2	112.7	337.9	594.1	744.0	691.3	459.6	164.9	23.6	1.9
55	0.2	0.8	7.0	51.8	207.2	444.6	588.9	536.3	314.4	80.3	5.5	0.3
60	0.0	0.0	1.6	18.8	106.8	298.9	433.8	381.7	186.3	32.7	0.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	8.8	18.8	72.2	201.7	388.0	586.5	714.4	673.7	480.2	263.3	90.0	14.4
Growing Degree Units (Accumulated Monthly)												
40	13	35	138	465	1107	2001	3054	4056	4815	5241	5383	5410
45	4	12	62	269	757	1500	2399	3246	3855	4139	4205	4214
50	1	4	26	139	477	1071	1815	2506	2966	3131	3155	3156
55	0	1	8	60	267	712	1300	1837	2151	2232	2237	2237
60	0	0	2	20	127	426	860	1242	1428	1461	1461	1461
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	9	28	100	302	690	1276	1990	2664	3144	3408	3498	3512

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