

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1000 ft. Lat: 40.8414° N Lon: 79.9164° W
Station: BUTLER 2 SW, PA US USC00361139

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	34.3	17.3	25.8	4.5	5.5	4.9	0.2	0.0	0.0	0.0	0.0	0.0	905.1	966.9	1060.0	1215.0	0.0	0.0	4.1	13.4	27.3	2.9
02	37.4	18.3	27.8	5.0	5.5	5.1	0.4	0.2	0.0	0.0	0.0	0.0	760.5	816.2	900.1	1040.2	0.0	0.0	4.9	9.5	25.1	1.6
03	46.4	25.2	35.8	4.8	3.7	4.1	5.1	2.8	0.8	0.0	0.0	0.0	600.1	659.9	750.9	905.2	0.0	0.0	12.0	3.7	23.3	0.3
04	60.0	34.6	47.3	3.3	2.2	2.6	32.8	21.4	10.1	2.1	0.2	0.1	263.9	312.4	391.1	533.1	0.0	0.0	24.3	0.2	12.1	0.0
05	70.0	44.8	57.4	4.0	3.7	3.7	147.2	112.2	69.9	25.5	4.9	1.9	72.8	99.8	150.5	261.1	0.0	0.1	30.5	0.0	2.0	0.0
06	77.9	54.3	66.1	2.3	2.0	1.8	338.0	282.1	203.4	96.3	28.6	14.1	5.1	9.3	20.5	63.4	0.0	0.9	30.0	0.0	0.0	0.0
07	81.7	58.2	70.0	2.9	2.3	2.4	463.3	401.4	309.4	167.2	62.1	35.2	0.0	0.1	1.1	13.8	0.0	3.1	31.0	0.0	0.0	0.0
08	80.7	56.8	68.8	2.7	2.2	2.3	426.1	364.6	274.0	138.0	45.1	24.3	0.1	0.5	2.9	21.8	0.0	2.2	31.0	0.0	0.0	0.0
09	74.3	49.6	61.9	3.0	2.6	2.3	227.9	179.9	118.3	46.1	11.0	5.1	19.6	31.6	59.9	137.7	0.0	0.7	30.0	0.0	0.1	0.0
10	61.9	38.9	50.4	2.7	2.7	2.3	49.2	33.0	16.6	4.6	0.4	0.1	191.8	237.6	314.1	457.2	0.0	0.0	27.4	0.0	6.1	0.0
11	49.7	29.7	39.7	5.0	2.5	3.5	3.9	2.0	0.5	0.0	0.0	0.0	462.9	521.0	609.4	759.0	0.0	0.0	15.5	1.2	18.7	0.0
12	39.1	23.2	31.2	4.8	4.0	4.3	0.9	0.4	0.2	0.0	0.0	0.0	740.2	801.7	894.4	1049.3	0.0	0.0	6.0	8.2	25.6	0.1
Summary	59.4	37.6	48.5	3.8	3.2	3.3	1695	1400	1003	480	152	81	4022	4457	5155	6457	0.0	7.0	246.7	36.2	140.3	4.9

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	3.36	18.1	7.7	1.9	0.5	2.43	2.99	4.17	
02	2.66	14.8	6.5	1.5	0.1	1.88	2.40	2.89	
03	3.28	13.6	7.6	2.4	0.5	2.23	3.31	4.20	
04	3.50	14.6	8.3	2.5	0.6	2.51	3.71	4.30	
05	3.80	15.1	8.3	2.4	0.6	3.08	3.76	4.48	
06	4.33	13.1	8.2	2.8	0.8	2.97	4.26	5.63	
07	4.16	12.3	7.9	3.0	1.0	3.07	4.01	5.19	
08	4.02	11.3	6.7	2.7	1.0	3.17	3.94	4.41	
09	4.09	10.9	7.0	2.6	1.0	2.29	3.49	5.29	
10	3.30	13.3	7.5	2.0	0.5	2.41	3.20	3.85	
11	3.34	14.1	7.1	1.9	0.7	2.26	3.43	4.26	
12	3.37	16.4	7.7	2.0	0.6	2.56	3.29	4.19	
Summary	43.21	167.6	90.5	27.7	7.9	30.86	41.79	52.86	

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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	11.30	10.7	4.3	1.0	0.1	0.0	17.7	10.0	6.0	0.6	4.90	11.00	16.30
02	9.70	7.9	3.2	0.6	0.2	0.0	15.4	9.0	5.0	0.9	5.60	7.60	9.90
03	5.30	5.2	1.8	0.7	0.2	0.0	7.8	3.3	1.5	0.4	1.00	4.70	7.40
04	0.60	1.2	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.10	0.90
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	0.10	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	1.10	1.5	0.6	0.0	0.0	0.0	1.5	0.1	0.0	0.0	0.00	0.50	1.90
12	6.80	6.5	2.4	0.5	0.2	0.0	10.4	3.7	1.3	0.2	2.30	5.60	10.20
Summary	34.9	33.0	12.5	2.8	0.7	0.0	53.2	26.1	13.8	2.1	13.8	29.5	46.6

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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	17.8	18.0	77.5	255.9	540.6	782.9	928.4	891.2	658.5	331.5	102.3	30.0
45	6.7	5.9	38.8	153.3	392.0	633.0	773.4	736.2	508.9	203.9	46.7	11.5
50	2.1	1.8	16.2	78.6	256.5	483.7	618.4	581.2	363.3	110.6	16.4	3.7
55	0.2	0.4	5.1	32.8	147.2	338.0	463.3	426.1	227.9	49.2	3.9	0.9
60	0.0	0.0	0.8	10.1	69.9	203.4	309.4	274.0	118.3	16.6	0.5	0.2
Growing Degree Units for Corn (Monthly)												
50/86	10.3	14.7	57.9	174.5	334.6	498.4	612.2	579.6	407.0	203.0	68.9	16.5

Growing Degree Units (Accumulated Monthly)												
40	18	36	113	369	910	1693	2621	3512	4171	4502	4605	4635
45	7	13	51	205	597	1230	2003	2739	3248	3452	3499	3510
50	2	4	20	99	355	839	1457	2038	2402	2512	2529	2532
55	0	1	6	38	186	524	987	1413	1641	1690	1694	1695
60	0	0	1	11	81	284	594	868	986	1002	1003	1003
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	10	25	83	257	592	1090	1703	2282	2689	2892	2961	2978

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