

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 760 ft. Lat: 41.7511° N Lon: 76.4431° W

Station: TOWANDA 1 S, PA US USC00368905

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	35.0	17.1	26.1	4.2	5.4	4.7	0.3	0.2	0.0	0.0	0.0	0.0	897.6	959.4	1052.3	1207.3	0.0	0.0	2.9	13.2	27.8	3.3
02	37.6	17.7	27.7	4.8	5.8	5.1	0.1	0.1	0.0	0.0	0.0	0.0	765.8	821.7	905.7	1045.7	0.0	0.0	3.5	8.9	25.8	2.3
03	46.0	24.6	35.3	5.0	3.9	4.3	3.6	2.3	0.9	0.0	0.0	0.0	614.3	674.9	766.5	920.6	0.0	0.0	10.6	3.8	24.3	0.6
04	59.5	34.7	47.1	3.2	2.3	2.5	32.4	22.2	12.2	3.4	0.4	0.1	269.4	319.2	399.2	540.4	0.0	0.1	22.9	0.0	12.9	0.0
05	71.1	45.7	58.4	3.7	3.5	3.3	163.0	126.7	82.7	34.0	9.4	4.6	57.7	83.4	132.4	238.7	0.0	0.4	30.5	0.0	1.5	0.0
06	79.3	55.1	67.2	2.4	1.6	1.6	369.3	312.1	231.0	118.1	42.9	24.3	3.4	6.2	15.1	52.1	0.0	2.2	30.0	0.0	0.0	0.0
07	83.7	59.3	71.5	2.7	2.3	2.3	511.4	449.4	356.7	209.9	91.3	57.4	0.0	0.0	0.4	8.4	0.0	4.7	31.0	0.0	0.0	0.0
08	81.9	57.7	69.8	2.6	2.3	2.2	458.8	396.9	305.3	165.2	62.9	36.4	0.0	0.2	1.6	16.5	0.0	2.8	31.0	0.0	0.0	0.0
09	74.9	50.7	62.8	2.5	2.7	2.0	250.6	201.5	137.1	58.3	16.6	8.7	16.7	27.6	53.2	124.4	0.0	0.8	30.0	0.0	0.3	0.0
10	62.6	39.8	51.2	2.8	2.9	2.4	57.9	39.8	20.5	5.6	0.9	0.3	175.7	219.6	293.3	433.3	0.0	0.0	27.7	0.0	6.5	0.0
11	50.2	30.7	40.5	4.2	2.3	3.1	4.8	2.5	0.9	0.0	0.0	0.0	441.3	499.0	587.4	736.5	0.0	0.0	14.4	0.9	18.4	0.0
12	39.6	23.6	31.6	4.2	4.5	4.2	0.4	0.1	0.0	0.0	0.0	0.0	725.7	787.4	880.3	1035.3	0.0	0.0	4.4	7.4	25.8	0.4
Summary	60.1	38.1	49.1	3.5	3.3	3.1	1853	1554	1147	594	224	132	3968	4399	5087	6359	0.0	11.0	238.9	34.2	143.3	6.6

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	2.39	12.5	5.8	1.3	0.3	1.60	2.26	3.16	
02	1.90	9.8	4.3	1.1	0.2	1.12	1.56	2.35	
03	3.12	11.7	6.1	2.1	0.6	2.05	2.85	3.80	
04	3.47	12.7	7.3	2.2	0.7	2.32	2.67	4.06	
05	3.36	12.8	7.4	2.0	0.6	2.00	3.01	4.54	
06	3.69	12.2	7.7	2.3	0.7	2.64	3.49	4.79	
07	4.02	11.7	7.8	2.3	0.8	2.85	3.47	5.32	
08	3.86	10.7	6.7	2.4	0.9	2.25	3.48	4.62	
09	3.83	10.0	6.0	2.7	1.0	2.00	3.47	4.59	
10	3.67	11.5	6.4	2.2	1.0	2.35	3.52	4.64	
11	2.60	10.8	5.1	1.5	0.6	1.81	2.65	3.40	
12	2.71	11.8	5.4	1.6	0.5	1.96	2.41	3.20	
Summary	38.62	138.2	76.0	23.7	7.9	24.95	34.84	48.47	

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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	11.00	7.1	2.9	1.1	0.5	0.1	15.0	8.8	4.2	2.0	4.10	7.10	15.30
02	7.10	6.1	2.4	0.9	0.3	0.0	13.9	9.6	6.9	1.8	4.70	6.50	9.10
03	8.80	4.5	2.2	0.9	0.6	0.1	9.7	5.9	3.6	1.9	2.60	5.30	11.30
04	1.50	0.9	0.5	0.1	0.0	0.0	0.7	0.2	0.1	0.0	0.00	0.30	2.10
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	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	1.80	1.7	0.6	0.2	0.1	0.0	1.9	0.7	0.4	0.0	0.20	1.10	1.90
12	7.40	5.2	1.7	0.7	0.3	0.0	8.3	4.0	2.4	0.0	1.40	5.50	9.90
Summary	37.8	25.6	10.3	3.9	1.8	0.2	49.6	29.2	17.6	5.7	13.0	25.8	49.6

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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	13.7	11.2	64.5	243.0	570.7	815.9	976.4	923.7	683.9	354.5	109.9	26.7
45	5.0	2.5	28.8	142.9	418.9	666.0	821.4	768.7	534.2	224.6	52.0	9.1
50	1.7	0.6	11.0	73.6	278.3	516.3	666.4	613.7	387.4	124.0	19.9	2.5
55	0.3	0.1	3.6	32.4	163.0	369.3	511.4	458.8	250.6	57.9	4.8	0.4
60	0.0	0.0	0.9	12.2	82.7	231.0	356.7	305.3	137.1	20.5	0.9	0.0
Growing Degree Units for Corn (Monthly)												
50/86	8.4	9.9	49.5	164.6	351.7	521.5	646.4	603.7	423.7	211.9	66.8	13.7

Growing Degree Units (Accumulated Monthly)												
40	14	25	89	332	903	1719	2695	3619	4303	4658	4767	4794
45	5	8	36	179	598	1264	2086	2854	3388	3613	3665	3674
50	2	2	13	87	365	882	1548	2162	2549	2673	2693	2695
55	0	0	4	36	199	569	1080	1539	1789	1847	1852	1853
60	0	0	1	13	96	327	684	989	1126	1146	1147	1147
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	18	68	232	584	1106	1752	2356	2779	2991	3058	3072

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