

Summary of Monthly Normals
1991-2020

Current Location: Elev: 825 ft. Lat: 43.1742° N Lon: 88.7364° W
Station: **WATERTOWN WWTP, WI US USC00478919**

Generated on 04/19/2024

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	26.4	10.5	18.4	4.6	6.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	1132.9	1194.9	1287.9	1442.8	0.0	0.0	0.6	21.2	29.8	7.9
02	30.3	13.3	21.8	5.6	6.7	6.1	0.0	0.0	0.0	0.0	0.0	0.0	929.5	985.5	1069.5	1209.4	0.0	0.0	1.2	15.5	26.8	5.5
03	42.2	24.0	33.1	5.1	4.8	4.8	5.6	4.1	2.3	0.5	0.0	0.0	684.6	745.1	836.2	989.4	0.0	0.0	8.0	6.0	24.5	0.8
04	55.6	35.1	45.4	4.1	3.0	3.4	26.2	17.8	9.0	1.9	0.3	0.1	315.7	367.3	448.5	591.4	0.0	0.0	20.7	0.4	10.5	0.0
05	67.8	46.9	57.3	3.5	3.2	3.2	149.6	115.9	75.7	32.8	10.1	5.2	76.8	105.1	157.8	270.0	0.0	0.3	29.9	0.0	0.9	0.0
06	77.7	57.1	67.4	2.5	1.8	1.9	375.4	319.1	238.6	124.7	48.8	29.9	3.6	7.2	16.7	52.8	0.0	1.9	30.0	0.0	0.0	0.0
07	81.3	61.1	71.2	3.1	2.7	2.8	502.1	440.2	348.1	202.5	87.9	55.7	0.0	0.1	1.0	10.4	0.2	2.8	31.0	0.0	0.0	0.0
08	79.5	59.0	69.3	2.6	2.8	2.5	441.9	380.6	290.4	154.1	58.1	34.3	0.2	0.9	3.7	22.5	0.0	1.6	31.0	0.0	0.0	0.0
09	72.8	50.8	61.8	3.1	2.7	2.7	232.8	187.6	128.5	56.2	18.3	10.2	28.9	43.7	74.6	152.4	0.0	0.6	30.0	0.0	0.2	0.0
10	59.6	39.5	49.6	3.2	2.7	2.7	51.6	36.4	19.5	5.5	1.4	0.7	220.5	267.3	343.5	484.5	0.0	0.0	25.3	0.0	7.0	0.0
11	44.6	27.9	36.2	5.7	4.1	4.8	3.6	1.9	0.5	0.0	0.0	0.0	566.1	624.4	713.0	862.5	0.0	0.0	10.1	4.5	20.4	0.0
12	32.0	17.3	24.7	5.0	5.9	5.3	0.2	0.0	0.0	0.0	0.0	0.0	940.9	1002.8	1095.8	1250.7	0.0	0.0	1.7	15.1	28.5	3.4
Summary	55.8	36.9	46.4	4.0	3.9	3.8	1789	1504	1113	578	225	136	4900	5344	6048	7339	0.2	7.2	219.5	62.7	148.6	17.6

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	1.37	8.4	3.9	0.5	0.1	0.69	1.35	1.95	
02	1.35	7.7	3.8	0.7	0.1	0.73	1.37	1.74	
03	1.90	8.4	4.3	1.2	0.3	0.88	1.74	2.78	
04	3.67	11.9	7.0	2.2	1.0	2.45	3.78	4.92	
05	4.19	13.3	8.0	3.0	0.8	2.71	3.89	4.91	
06	5.80	11.9	7.8	3.2	1.9	3.98	5.83	7.29	
07	4.50	11.0	6.4	2.8	1.4	3.15	4.07	6.04	
08	4.11	10.2	7.0	2.8	1.2	2.49	3.10	4.01	
09	3.47	10.0	6.3	2.3	0.8	1.88	3.16	4.22	
10	3.00	10.9	5.8	1.9	0.6	1.35	2.85	4.30	
11	2.14	9.1	4.5	1.4	0.3	1.15	1.93	2.91	
12	1.75	9.7	4.3	0.8	0.1	1.06	1.37	1.93	
Summary	37.25	122.5	69.1	22.8	8.6	22.52	34.44	47.00	

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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	3.5	1.1	0.5	0.0	20.8	13.6	6.7	1.1	7.10	9.70	13.40
02	9.70	6.3	3.3	1.1	0.4	0.0	18.8	11.4	6.4	1.2	4.00	9.70	13.30
03	4.40	3.2	1.5	0.5	0.1	0.0	7.3	3.2	1.4	0.2	1.60	4.10	6.90
04	1.60	1.2	0.6	0.2	0.0	0.0	0.9	0.3	0.1	0.0	0.00	0.30	2.00
05	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
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	0.30	0.3	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
11	1.40	1.7	0.8	0.1	0.0	0.0	2.4	0.3	0.1	0.0	0.00	0.50	1.90
12	8.50	6.2	3.0	1.2	0.3	0.0	12.2	7.0	4.1	0.9	2.00	6.30	12.10
Summary	37.0	26.0	12.8	4.2	1.3	0.0	62.6	35.8	18.8	3.4	14.7	30.6	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	1.0	5.6	54.1	210.1	538.9	821.8	967.1	906.6	654.0	315.2	74.8	8.2
45	0.0	1.6	26.4	118.6	389.5	671.8	812.1	751.6	505.2	197.5	33.5	2.8
50	0.0	0.4	12.1	59.2	255.8	522.2	657.1	596.7	362.0	109.3	12.7	0.9
55	0.0	0.0	5.6	26.2	149.6	375.4	502.1	441.9	232.8	51.6	3.6	0.2
60	0.0	0.0	2.3	9.0	75.7	238.6	348.1	290.4	128.5	19.5	0.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.6	3.4	34.2	124.8	309.0	523.0	646.6	593.9	396.1	175.1	40.2	3.7
Growing Degree Units (Accumulated Monthly)												
40	1	7	61	271	810	1632	2599	3505	4159	4474	4549	4557
45	0	2	28	147	536	1208	2020	2772	3277	3474	3508	3511
50	0	0	12	72	328	850	1507	2104	2466	2575	2588	2588
55	0	0	6	32	181	557	1059	1501	1734	1785	1789	1789
60	0	0	2	11	87	326	674	964	1093	1112	1113	1113
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	4	38	163	472	995	1642	2236	2632	2807	2847	2851

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