

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 788 ft. Lat: 42.5039° N Lon: 89.0311° W

Station: **BELOIT, WI US USC00470696**

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	25.1	10.7	17.9	4.5	5.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1149.8	1211.8	1305.0	1460.0	0.0	0.0	1.0	19.9	29.6	6.1
02	29.4	13.9	21.6	5.5	6.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	933.7	989.7	1073.8	1213.8	0.0	0.0	1.7	13.7	26.2	3.8
03	41.5	23.8	32.7	5.0	4.6	4.7	4.9	3.4	1.7	0.3	0.0	0.0	697.8	758.3	849.6	1003.2	0.0	0.0	9.6	5.1	23.3	0.7
04	54.8	34.4	44.6	4.1	2.9	3.4	22.1	14.7	7.0	1.6	0.2	0.1	334.1	386.7	469.0	613.6	0.0	0.0	22.3	0.3	8.8	0.0
05	66.5	45.7	56.1	3.5	3.0	3.1	130.5	99.7	63.7	26.2	6.8	3.2	96.4	127.6	184.6	302.1	0.0	0.3	29.8	0.0	0.5	0.0
06	76.1	55.8	65.9	2.3	2.1	2.0	334.3	279.4	202.7	99.5	36.4	21.1	6.0	11.0	24.3	71.1	0.0	2.2	30.0	0.0	0.0	0.0
07	79.6	59.8	69.7	3.3	2.6	2.9	455.7	394.1	303.0	164.6	64.8	39.4	0.1	0.4	2.3	18.9	0.1	3.8	31.0	0.0	0.0	0.0
08	78.0	58.1	68.1	2.7	2.7	2.5	405.0	344.1	254.8	125.0	41.9	22.9	0.6	1.6	5.3	30.5	0.0	2.5	31.0	0.0	0.0	0.0
09	71.3	50.3	60.8	3.2	2.7	2.7	208.6	166.2	111.0	45.6	13.1	6.8	34.7	52.3	87.0	171.7	0.0	0.8	29.9	0.0	0.2	0.0
10	58.3	38.7	48.5	3.0	2.5	2.5	42.8	29.5	15.4	3.8	1.0	0.4	244.3	293.0	371.9	515.3	0.0	0.0	26.2	0.0	5.9	0.0
11	43.2	27.4	35.3	5.6	4.1	4.7	2.9	1.5	0.4	0.0	0.0	0.0	593.9	652.5	741.4	891.0	0.0	0.0	10.9	3.9	19.2	0.0
12	30.5	17.0	23.8	4.8	5.5	5.1	0.1	0.0	0.0	0.0	0.0	0.0	968.7	1030.6	1123.7	1278.7	0.0	0.0	1.9	14.2	28.2	2.7
Summary	54.5	36.3	45.4	4.0	3.8	3.7	1607	1333	960	467	164	94	5060	5516	6238	7570	0.1	9.6	225.3	57.1	141.9	13.3

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	1.60	8.7	4.6	0.8	0.1	0.94	1.41	2.12
02	1.52	7.1	4.2	0.7	0.2	0.81	1.37	1.97
03	2.13	8.4	4.6	1.2	0.4	0.98	1.80	2.69
04	3.72	10.3	7.2	2.6	0.9	2.60	3.52	4.15
05	4.34	11.7	8.4	3.1	1.0	2.95	4.11	5.33
06	5.64	10.6	7.3	3.5	1.7	3.66	5.20	8.01
07	3.36	8.9	5.3	2.5	0.7	2.25	2.71	4.75
08	4.14	8.7	5.8	3.0	1.1	2.34	3.59	5.49
09	3.83	7.6	5.5	2.5	1.3	2.02	3.46	5.03
10	2.77	9.1	5.4	1.9	0.7	1.24	2.39	4.25
11	2.40	8.0	4.9	1.6	0.4	1.41	1.81	3.44
12	1.96	8.6	5.0	1.1	0.3	1.05	1.92	2.57
Summary	37.41	107.7	68.2	24.5	8.8	22.25	33.29	49.80

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	9.80	6.2	3.8	1.4	0.5	0.0	20.7	14.8	10.1	1.7	5.20	10.30	13.30
02	7.30	4.5	3.3	1.0	0.4	0.0	16.9	11.7	7.5	2.0	2.90	5.80	10.20
03	4.30	2.3	1.4	0.6	0.1	0.0	6.6	3.8	2.0	0.2	0.50	3.30	7.60
04	1.10	0.6	0.5	0.1	0.0	0.0	0.6	0.1	0.1	0.0	0.00	0.00	0.70
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	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
11	2.70	0.8	0.6	0.4	0.2	0.0	2.1	1.1	0.4	0.1	0.00	0.00	2.20
12	10.20	4.6	3.2	1.4	0.5	0.0	12.7	8.5	4.9	1.1	3.00	8.20	14.70
Summary	35.6	19.1	12.9	5.0	1.7	0.0	59.7	40.1	25.0	5.1	11.6	27.6	48.7

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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	0.9	5.2	51.5	195.4	500.5	778.3	920.5	869.4	624.1	289.3	65.6	6.8
45	0.1	1.5	25.3	107.6	354.8	628.5	765.6	714.5	475.8	177.8	28.9	2.5
50	0.0	0.2	11.2	52.1	228.0	479.0	610.6	559.4	333.5	94.9	10.3	0.8
55	0.0	0.0	4.9	22.1	130.5	334.3	455.7	405.0	208.6	42.8	2.9	0.1
60	0.0	0.0	1.7	7.0	63.7	202.7	303.0	254.8	111.0	15.4	0.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.8	3.2	32.8	116.6	286.1	486.0	604.0	558.6	370.5	158.3	34.5	3.1

Growing Degree Units (Accumulated Monthly)												
40	1	6	58	253	754	1532	2452	3322	3946	4235	4301	4308
45	0	2	27	134	489	1118	1883	2598	3074	3252	3280	3283
50	0	0	11	64	292	770	1381	1940	2274	2369	2379	2380
55	0	0	5	27	158	492	948	1352	1561	1604	1607	1607
60	0	0	2	9	72	275	578	833	944	959	960	960
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	4	37	153	440	926	1530	2088	2459	2617	2651	2654

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