

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 895 ft. Lat: 39.3444° N Lon: 91.1711° W
Station: **BOWLING GREEN 1 E, MO US USC00230856**

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	35.8	18.5	27.2	4.9	4.9	4.7	0.4	0.3	0.1	0.0	0.0	0.0	863.5	925.2	1018.0	1173.1	0.0	0.0	5.3	12.6	27.5	3.0
02	41.2	22.5	31.8	6.1	6.0	6.0	2.8	1.7	0.6	0.1	0.0	0.0	650.9	705.8	788.6	928.2	0.0	0.0	8.9	7.1	22.7	1.5
03	52.0	32.3	42.1	5.2	4.3	4.6	27.3	20.0	11.3	3.4	0.4	0.1	425.6	480.3	564.6	711.7	0.0	0.0	17.8	1.8	17.6	0.2
04	64.5	43.0	53.7	3.9	3.3	3.5	102.5	77.0	47.2	17.0	4.0	2.0	140.1	174.6	234.9	354.6	0.0	0.1	27.7	0.0	5.0	0.0
05	73.2	53.3	63.2	3.1	3.7	3.3	280.7	232.4	167.2	82.3	28.8	16.2	25.0	38.6	66.5	136.5	0.0	1.1	30.9	0.0	0.2	0.0
06	81.8	62.3	72.1	2.5	2.3	2.3	512.2	452.9	365.5	228.0	111.8	75.6	0.8	1.6	4.2	16.6	0.1	4.8	30.0	0.0	0.0	0.0
07	85.9	66.5	76.2	3.1	2.4	2.6	657.1	595.0	502.1	348.9	204.6	153.9	0.0	0.0	0.1	1.8	0.6	10.9	31.0	0.0	0.0	0.0
08	84.8	64.6	74.7	2.9	2.8	2.6	610.5	548.5	455.9	304.4	168.8	123.6	0.0	0.1	0.5	3.9	0.2	8.6	31.0	0.0	0.0	0.0
09	77.9	56.0	67.0	3.7	3.3	3.2	368.3	314.1	238.5	132.8	59.6	39.6	9.8	15.7	30.1	74.4	0.1	3.4	30.0	0.0	0.3	0.0
10	66.6	44.9	55.8	3.2	2.5	2.5	135.4	104.4	66.2	24.9	6.2	3.1	112.2	143.3	198.0	311.7	0.0	0.3	29.2	0.0	4.1	0.0
11	52.7	33.7	43.2	5.5	4.3	4.7	24.1	16.5	8.4	2.0	0.2	0.0	378.0	430.4	512.3	655.9	0.0	0.0	17.7	1.3	14.8	0.1
12	40.4	23.9	32.1	4.7	5.0	4.7	2.0	1.2	0.4	0.0	0.0	0.0	710.2	771.3	863.5	1018.2	0.0	0.0	8.2	6.7	24.6	0.6
Summary	63.1	43.5	53.3	4.1	3.7	3.7	2723	2364	1863	1144	584	414	3316	3687	4281	5387	1.0	29.2	267.7	29.5	116.8	5.4

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	2.44	5.9	3.7	1.3	0.6	1.21	1.87	3.32
02	2.06	6.5	4.0	1.4	0.4	1.10	2.05	2.53
03	2.73	8.6	6.1	2.4	0.5	1.80	2.69	3.36
04	4.46	9.8	6.8	2.9	1.3	3.21	3.89	5.26
05	4.67	11.5	8.1	3.5	1.2	2.90	5.04	6.10
06	4.55	9.2	6.6	3.3	1.4	2.44	4.00	6.54
07	4.32	8.3	6.1	3.0	1.5	2.91	4.11	5.23
08	3.57	7.0	4.9	2.6	1.2	1.97	3.55	4.82
09	3.89	6.7	4.7	2.0	1.3	1.75	2.82	4.41
10	2.95	7.9	5.3	1.8	0.8	1.52	2.75	4.08
11	2.90	6.9	5.0	2.0	0.7	1.46	2.51	4.18
12	2.07	6.6	4.2	1.2	0.6	1.48	1.91	2.43
Summary	40.61	94.9	65.5	27.4	11.5	23.75	37.19	52.26

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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	4.60	1.9	1.3	0.5	0.2	0.1					1.50	2.60	4.20
02	5.00	1.9	1.2	0.4	0.3	0.0					0.30	2.50	6.00
03	1.90	0.7	0.6	0.3	0.1	0.0					0.00	0.70	2.30
04	0.20	0.2	0.2	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					0.00	0.00	0.00
06	0.00	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					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.80	0.4	0.3	0.1	0.0	0.0					0.00	0.00	0.00
12	3.10	1.7	0.9	0.3	0.0	0.0					0.00	1.80	3.50
Summary	15.6	6.8	4.5	1.6	0.6	0.1	0.0	0.0	0.0	0.0	1.8	7.6	16.0

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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	23.3	49.0	175.1	424.8	720.7	961.4	1122.1	1075.5	808.5	493.8	183.8	41.7
45	7.3	22.9	102.1	295.4	566.3	811.4	967.1	920.5	658.8	353.6	105.8	17.9
50	1.8	8.9	54.7	185.8	416.4	661.4	812.1	765.5	511.2	232.8	54.7	6.7
55	0.4	2.8	27.3	102.5	280.7	512.2	657.1	610.5	368.3	135.4	24.1	2.0
60	0.1	0.6	11.3	47.2	167.2	365.5	502.1	455.9	238.5	66.2	8.4	0.4
Growing Degree Units for Corn (Monthly)												
50/86	15.2	32.2	107.6	246.6	442.3	649.8	775.3	735.0	521.7	293.3	104.6	23.9

Growing Degree Units (Accumulated Monthly)												
40	23	72	247	672	1393	2354	3476	4552	5360	5854	6038	6080
45	7	30	132	428	994	1805	2772	3693	4352	4705	4811	4829
50	2	11	65	251	668	1329	2141	2907	3418	3651	3705	3712
55	0	3	30	133	414	926	1583	2194	2562	2697	2721	2723
60	0	1	12	59	226	592	1094	1550	1788	1855	1863	1863
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	15	47	155	402	844	1494	2269	3004	3526	3819	3924	3948

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