

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 923 ft. Lat: 42.3678° N Lon: 85.2633° W
Station: **BATTLE CREEK 5NW, MI US USC00200552**

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	32.4	17.2	24.8	4.0	5.2	4.5	0.1	0.0	0.0	0.0	0.0	0.0	936.1	998.0	1091.1	1246.1	0.0	0.0	1.9	16.0	28.7	3.5
02	35.7	18.1	26.9	5.0	5.2	5.0	0.1	0.0	0.0	0.0	0.0	0.0	786.7	842.6	926.7	1066.7	0.0	0.0	2.9	11.5	25.8	2.0
03	46.7	26.6	36.7	4.9	4.5	4.5	9.7	6.7	4.1	1.2	0.1	0.0	578.5	637.5	727.9	880.0	0.0	0.0	11.8	3.1	23.2	0.5
04	60.0	36.9	48.4	4.0	3.3	3.4	47.2	33.6	18.8	5.6	0.9	0.3	243.7	290.2	365.3	502.1	0.0	0.0	24.1	0.2	11.0	0.0
05	71.5	47.9	59.7	3.8	3.3	3.5	197.5	157.6	106.5	46.8	14.5	7.5	51.9	74.0	115.9	211.2	0.0	0.6	30.7	0.0	1.7	0.0
06	79.9	56.8	68.3	2.4	2.1	2.0	403.1	345.5	262.5	141.8	56.1	34.4	2.7	5.1	12.1	41.4	0.0	2.0	30.0	0.0	0.1	0.0
07	83.1	59.9	71.5	3.3	3.4	3.2	511.5	449.6	358.0	214.5	97.2	63.1	0.0	0.1	1.6	13.1	0.1	4.4	31.0	0.0	0.0	0.0
08	81.3	58.4	69.9	2.6	3.0	2.6	460.4	398.9	308.4	171.1	70.0	43.9	0.1	0.7	3.2	20.9	0.0	2.0	31.0	0.0	0.0	0.0
09	74.4	51.3	62.9	3.5	3.0	2.7	256.9	208.8	144.9	65.8	21.0	11.7	21.5	33.4	59.4	130.4	0.0	0.9	29.9	0.0	0.6	0.0
10	61.7	41.7	51.7	2.5	2.7	2.2	66.1	45.7	24.0	6.1	1.2	0.4	168.5	210.1	281.4	418.5	0.0	0.0	27.0	0.0	5.7	0.0
11	48.2	31.6	39.9	5.4	3.8	4.4	8.7	5.2	1.9	0.1	0.0	0.0	461.7	518.1	604.9	753.1	0.0	0.0	12.6	2.3	18.4	0.0
12	36.8	22.6	29.7	4.4	5.3	4.7	0.6	0.2	0.0	0.0	0.0	0.0	784.7	846.3	939.2	1094.2	0.0	0.0	3.2	10.2	27.2	1.0
Summary	59.3	39.1	49.2	3.8	3.7	3.6	1962	1652	1229	653	261	161	4036	4456	5129	6378	0.1	9.9	236.1	43.3	142.4	7.0

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	2.09	14.0	5.7	0.9	0.1	1.21	1.83	2.97
02	1.58	10.8	4.1	0.9	0.1	0.98	1.41	1.80
03	1.90	9.7	4.7	1.2	0.3	1.10	1.72	2.31
04	3.23	12.4	6.6	2.0	0.5	2.43	3.07	4.16
05	3.95	13.0	8.2	2.9	0.9	1.88	3.77	5.73
06	3.67	11.1	6.9	2.8	0.7	2.23	3.07	4.95
07	3.38	9.3	5.7	2.3	0.8	1.85	3.16	4.89
08	3.52	10.2	6.2	2.5	0.9	2.15	3.59	4.45
09	3.07	9.9	5.7	2.1	0.7	1.71	2.62	4.07
10	3.66	12.9	7.5	2.5	1.0	2.46	3.26	4.62
11	2.55	10.8	5.2	1.5	0.7	1.80	2.28	3.50
12	1.84	13.5	5.3	1.0	0.1	1.44	1.60	2.47
Summary	34.44	137.6	71.8	22.6	6.8	21.24	31.38	45.92

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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	18.10	12.8	6.9	2.2	0.6	0.0	21.3	16.0	10.7	3.2	11.40	16.80	25.10
02	15.60	10.3	5.1	1.6	0.4	0.1	17.5	12.5	8.9	3.3	5.70	14.20	24.80
03	6.00	5.0	1.7	0.6	0.2	0.0	6.9	4.0	2.6	0.8	2.60	4.10	10.10
04	2.10	1.9	0.7	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.60	3.40
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	0.50	0.3	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	5.90	4.3	1.9	0.5	0.2	0.0	3.0	1.3	0.6	0.0	0.50	3.50	6.90
12	16.40	10.6	5.3	1.8	0.5	0.0	13.0	6.7	3.0	0.9	7.80	12.60	19.10
Summary	64.6	45.2	21.7	7.1	1.9	0.1	61.9	40.5	25.8	8.2	28.0	51.8	89.4

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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	8.6	13.2	88.2	285.1	611.1	850.4	976.4	925.2	685.4	371.7	115.0	20.0
45	2.3	4.4	46.8	175.7	459.4	700.4	821.4	770.3	536.4	241.8	59.4	7.3
50	0.5	1.1	23.1	96.2	317.4	550.8	666.4	615.3	391.4	138.6	25.8	2.4
55	0.1	0.1	9.7	47.2	197.5	403.1	511.5	460.4	256.9	66.1	8.7	0.6
60	0.0	0.0	4.1	18.8	106.5	262.5	358.0	308.4	144.9	24.0	1.9	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.3	7.6	55.8	176.3	375.2	555.2	653.7	613.8	426.2	206.1	58.3	8.2

Growing Degree Units (Accumulated Monthly)												
40	9	22	110	395	1006	1857	2833	3758	4444	4815	4930	4950
45	2	7	54	229	689	1389	2210	2981	3517	3759	3818	3826
50	0	2	25	121	438	989	1656	2271	2662	2801	2827	2829
55	0	0	10	57	255	658	1169	1630	1886	1953	1961	1962
60	0	0	4	23	129	392	750	1058	1203	1227	1229	1229
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	11	67	243	618	1173	1827	2441	2867	3073	3132	3140

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