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

Summary of Monthly Normals
1991-2020

Generated on 11/06/2026

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

Current Location: Elev: 631 ft. Lat: 42.2314° N Lon: 83.3308° W

Station: **DETROIT METRO AP, MI US USW00094847**

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	32.3	19.2	25.8	4.5	5.6	5.0	0.2	0.1	0.0	0.0	0.0	0.0	906.8	968.6	1061.5	1216.5	0.0	0.0	2.3	16.0	27.2	2.0
02	35.2	20.8	28.0	5.1	5.3	5.1	0.1	0.1	0.0	0.0	0.0	0.0	756.1	811.9	895.8	1035.9	0.0	0.0	2.9	11.6	25.1	1.1
03	45.9	28.6	37.2	4.7	4.1	4.3	7.8	5.3	2.9	0.7	0.0	0.0	558.0	617.5	708.2	860.9	0.0	0.0	10.8	3.4	21.0	0.1
04	58.7	39.1	48.9	3.3	2.5	2.8	42.4	29.6	16.2	4.5	0.9	0.4	225.4	272.6	349.2	487.5	0.0	0.0	23.7	0.1	6.2	0.0
05	70.3	50.2	60.3	3.7	3.3	3.4	203.4	161.4	109.8	50.4	18.3	10.5	40.7	60.7	102.2	197.7	0.0	0.5	30.7	0.0	0.3	0.0
06	79.7	60.2	69.9	2.3	1.9	2.0	449.7	390.8	305.4	176.5	80.1	52.8	1.3	2.5	7.1	28.1	0.0	3.2	30.0	0.0	0.0	0.0
07	83.7	64.4	74.1	3.1	2.7	2.8	590.5	528.4	435.4	282.8	146.8	103.3	0.0	0.0	0.0	2.4	0.2	5.3	31.0	0.0	0.0	0.0
08	81.4	63.2	72.3	2.7	2.4	2.5	536.2	474.2	381.5	232.8	106.8	70.4	0.0	0.0	0.3	6.6	0.0	2.7	31.0	0.0	0.0	0.0
09	74.4	55.5	64.9	3.2	2.5	2.7	308.8	256.2	184.4	89.7	31.8	18.7	10.3	17.8	36.0	91.4	0.0	1.2	30.0	0.0	0.0	0.0
10	62.0	44.0	53.0	2.3	2.4	2.3	79.1	57.0	32.2	9.6	2.4	1.3	141.1	181.0	249.3	381.6	0.0	0.0	28.3	0.0	1.9	0.0
11	48.6	33.9	41.2	4.9	3.2	3.9	7.8	4.1	1.2	0.0	0.0	0.0	420.3	476.6	563.7	712.5	0.0	0.0	13.7	1.2	13.7	0.0
12	37.2	25.3	31.3	4.6	4.5	4.5	0.5	0.2	0.0	0.0	0.0	0.0	736.7	798.4	891.1	1046.1	0.0	0.0	3.6	9.5	24.2	0.3
Summary	59.1	42.0	50.6	3.7	3.4	3.4	2226	1907	1469	847	387	257	3797	4208	4864	6067	0.2	12.9	238.0	41.8	119.6	3.5

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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	2.23	13.4	5.9	1.1	0.2	1.44	2.24	3.00
02	2.08	11.0	5.3	1.2	0.2	1.29	1.91	2.84
03	2.43	11.1	6.1	1.4	0.4	1.47	2.38	3.28
04	3.26	12.5	7.2	2.2	0.4	2.28	3.27	4.27
05	3.72	12.9	7.7	2.4	0.7	2.27	3.62	5.06
06	3.26	10.7	6.3	2.1	0.8	2.11	2.98	4.04
07	3.51	10.5	6.4	2.1	0.9	2.47	3.22	4.35
08	3.26	9.7	6.1	2.0	0.7	2.08	3.19	4.35
09	3.22	9.5	5.9	2.0	0.6	1.47	3.21	4.38
10	2.53	10.6	5.6	1.6	0.5	1.67	2.26	3.19
11	2.57	11.0	5.6	1.8	0.4	1.69	2.48	3.18
12	2.25	13.1	5.4	1.4	0.1	1.52	2.38	2.66
Summary	34.32	136.0	73.5	21.3	5.9	21.76	33.14	44.60

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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	14.00	10.7	4.3	1.3	0.5	0.2	17.2	11.3	6.3	1.7	9.00	12.50	17.20
02	12.50	9.2	3.6	1.4	0.4	0.0	13.7	8.9	5.2	2.5	5.80	10.20	19.30
03	6.20	5.3	1.9	0.6	0.3	0.0	6.2	3.4	2.1	0.7	2.90	5.30	8.00
04	1.50	1.5	0.5	0.2	0.0	0.0	0.5	0.2	0.1	0.0	0.00	0.50	2.40
05	0.00	0.1	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	0.00	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	1.90	2.6	0.6	0.1	0.1	0.0	1.5	0.5	0.2	0.0	0.10	0.70	3.20
12	8.90	8.0	2.7	0.7	0.4	0.0	8.1	5.2	3.9	0.3	3.90	7.60	12.50
Summary	45.0	37.6	13.6	4.3	1.7	0.2	47.2	29.5	17.8	5.2	21.7	36.8	62.6

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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	10.4	14.1	86.9	289.4	627.9	898.4	1055.4	1001.2	748.4	406.7	129.4	24.5
45	3.1	4.4	43.1	175.9	474.4	748.4	900.5	846.2	598.6	267.9	63.0	8.7
50	0.9	1.1	19.6	92.7	329.0	598.5	745.5	691.2	450.3	156.6	26.2	2.7
55	0.2	0.1	7.8	42.4	203.4	449.7	590.5	536.2	308.8	79.1	7.8	0.5
60	0.0	0.0	2.9	16.2	109.8	305.4	435.4	381.5	184.4	32.2	1.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.9	7.8	50.1	158.5	365.3	590.4	724.2	681.0	461.5	211.8	56.7	8.7
Growing Degree Units (Accumulated Monthly)												
40	10	24	111	401	1029	1927	2982	3984	4732	5139	5268	5293
45	3	8	51	226	701	1449	2350	3196	3795	4062	4126	4134
50	1	2	22	114	443	1042	1787	2478	2929	3085	3112	3114
55	0	0	8	50	254	704	1294	1830	2139	2218	2226	2226
60	0	0	3	19	129	434	870	1251	1436	1468	1469	1469
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	12	62	220	586	1176	1900	2581	3043	3254	3311	3320

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

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