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: 742 ft. Lat: 39.1208° N Lon: 94.5969° W

Station: **KANSAS CITY DOWNTOWN AP, MO US USW00013988**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	39.9	22.2	31.0	4.8	3.9	4.2	0.3	0.1	0.0	0.0	0.0	0.0	742.4	804.2	897.2	1052.2	0.0	0.0	7.4	8.8	26.4	0.9
02	45.1	26.4	35.8	5.7	5.0	5.2	6.2	3.8	1.4	0.2	0.0	0.0	545.0	598.6	680.2	819.1	0.0	0.0	11.0	5.4	19.9	0.2
03	56.6	36.2	46.4	5.1	4.6	4.7	46.3	33.8	19.3	6.2	0.9	0.3	313.0	362.5	441.0	582.8	0.0	0.0	21.1	1.0	11.1	0.0
04	66.8	46.3	56.5	3.7	3.4	3.4	140.3	108.4	69.9	26.9	6.1	2.7	93.8	121.9	173.4	280.4	0.0	0.2	27.7	0.0	2.0	0.0
05	76.2	57.2	66.7	3.5	3.3	3.3	371.7	316.5	239.6	133.8	59.6	39.0	9.0	15.8	31.9	81.2	0.0	1.5	30.9	0.0	0.0	0.0
06	85.8	67.2	76.5	2.7	2.2	2.4	644.8	585.0	495.5	348.8	211.6	162.5	0.0	0.1	0.6	3.9	0.2	9.4	30.0	0.0	0.0	0.0
07	90.2	71.9	81.0	3.1	2.4	2.6	807.4	745.4	652.4	497.5	344.3	284.9	0.0	0.0	0.0	0.0	2.4	17.0	31.0	0.0	0.0	0.0
08	88.6	69.9	79.2	3.3	2.7	2.9	751.5	689.6	596.6	442.2	291.5	235.0	0.0	0.0	0.0	0.6	1.8	14.3	31.0	0.0	0.0	0.0
09	80.4	61.0	70.7	3.5	3.5	3.4	473.6	416.0	331.9	206.2	108.5	78.9	2.7	5.1	11.0	35.3	0.2	4.6	30.0	0.0	0.0	0.0
10	68.2	48.7	58.4	3.7	2.7	3.0	183.2	145.7	98.4	43.2	14.0	8.0	76.2	100.8	146.5	246.3	0.0	0.2	29.1	0.0	1.1	0.0
11	54.5	36.3	45.4	5.3	4.4	4.7	30.4	20.9	11.3	2.6	0.3	0.1	318.3	368.8	449.3	590.6	0.0	0.0	20.0	1.0	10.5	0.0
12	43.9	26.7	35.3	4.5	4.4	4.2	2.5	1.3	0.5	0.0	0.0	0.0	613.0	673.8	766.0	920.6	0.0	0.0	10.1	5.6	22.3	0.2
Summary	66.3	47.5	56.9	4.1	3.5	3.7	3458	3066	2517	1708	1037	811	2713	3052	3597	4613	4.6	47.2	279.3	21.8	93.3	1.3

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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	1.02	4.6	2.2	0.4	0.2	0.25	0.75	1.30
02	1.53	4.8	2.7	1.1	0.3	0.52	1.34	2.16
03	2.08	6.8	4.6	1.4	0.4	1.21	1.87	2.62
04	3.89	9.3	6.5	2.8	1.0	3.11	3.77	4.72
05	5.10	11.0	7.7	3.6	1.6	2.24	4.56	7.77
06	5.33	9.5	7.5	3.6	1.8	2.95	5.20	6.89
07	4.38	7.9	6.2	2.8	1.5	1.51	4.71	5.67
08	4.68	7.8	5.5	2.9	1.4	1.88	3.87	6.39
09	3.78	7.6	5.7	2.6	1.1	2.23	3.28	4.18
10	3.24	7.0	4.8	2.1	0.8	1.45	2.81	4.29
11	1.80	5.2	3.4	1.2	0.4	0.92	1.53	1.96
12	1.30	4.6	2.8	0.9	0.2	0.69	1.14	1.81
Summary	38.13	86.1	59.6	25.4	10.7	18.96	34.83	49.76

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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	3.40	2.2	1.3	0.5	0.2	0.0					0.00	2.60	6.10
02	3.20	1.6	0.9	0.3	0.1	0.1					0.00	2.00	3.70
03	0.40	0.4	0.3	0.0	0.0	0.0					0.00	0.00	0.40
04	0.10	0.1	0.1	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	0.30	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
11	0.10	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
12	3.50	1.9	1.3	0.3	0.1	0.0					0.00	0.30	6.60
Summary	11.0	6.4	4.1	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	4.9	16.8

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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	34.5	77.4	261.2	502.1	827.7	1094.8	1272.4	1216.5	920.9	575.5	225.7	64.7
45	11.9	36.8	163.3	365.2	673.0	944.8	1117.4	1061.6	771.0	429.3	134.4	25.8
50	3.1	15.6	92.3	241.4	519.1	794.8	962.4	906.6	621.5	295.9	69.3	9.2
55	0.3	6.2	46.3	140.3	371.7	644.8	807.4	751.5	473.6	183.2	30.4	2.5
60	0.0	1.4	19.3	69.9	239.6	495.5	652.4	596.6	331.9	98.4	11.3	0.5
Growing Degree Units for Corn (Monthly)												
50/86	23.4	49.5	155.7	291.2	524.8	755.7	880.7	838.1	606.9	336.5	122.3	36.9

Growing Degree Units (Accumulated Monthly)

40	34	112	373	875	1703	2798	4070	5287	6208	6783	7009	7073
45	12	49	212	577	1250	2195	3312	4374	5145	5574	5709	5734
50	3	19	111	352	872	1666	2629	3535	4157	4453	4522	4531
55	0	6	53	193	565	1210	2017	2768	3242	3425	3456	3458
60	0	1	21	91	330	826	1478	2075	2407	2505	2516	2517
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	23	73	229	520	1045	1800	2681	3519	4126	4462	4585	4622

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

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