

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 770 ft. Lat: 38.9425° N Lon: 92.3206° W
Station: COLUMBIA U OF M, MO US USC00231801

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	39.3	22.5	30.9	4.3	4.1	4.1	1.3	0.8	0.3	0.0	0.0	0.0	748.1	809.6	902.1	1056.7	0.0	0.0	7.4	8.5	24.9	1.1
02	44.9	26.5	35.7	5.6	5.2	5.3	6.5	4.1	1.7	0.1	0.0	0.0	546.8	600.4	682.1	820.4	0.0	0.0	9.8	5.3	20.4	0.2
03	56.2	35.8	46.0	4.8	4.4	4.4	42.7	31.6	18.3	5.3	0.6	0.1	321.8	372.7	452.3	594.3	0.0	0.0	21.1	0.8	11.6	0.1
04	67.0	45.8	56.4	3.4	3.3	3.3	141.1	110.1	72.4	30.1	7.3	3.0	99.2	128.1	180.5	288.1	0.0	0.2	28.0	0.0	2.2	0.0
05	75.7	56.0	65.9	3.2	3.2	3.1	346.4	292.3	218.5	118.3	49.2	30.0	10.1	17.9	37.2	91.9	0.0	1.1	30.9	0.0	0.0	0.0
06	84.5	65.2	74.8	2.3	2.0	2.1	595.4	535.6	446.5	301.0	169.5	124.0	0.1	0.2	1.1	5.7	0.2	8.2	30.0	0.0	0.0	0.0
07	88.6	69.1	78.8	3.1	2.4	2.6	739.2	677.2	584.2	429.4	278.9	221.6	0.0	0.0	0.0	0.2	1.6	14.6	31.0	0.0	0.0	0.0
08	87.6	67.4	77.5	3.3	2.6	2.8	697.3	635.3	542.4	388.2	240.7	186.8	0.0	0.0	0.0	0.9	1.0	12.2	31.0	0.0	0.0	0.0
09	79.9	58.8	69.4	3.4	3.1	3.1	434.3	377.7	295.5	173.5	83.6	57.2	3.9	7.3	15.1	43.1	0.0	4.6	30.0	0.0	0.0	0.0
10	68.3	47.3	57.8	3.3	2.4	2.7	168.8	133.4	89.6	38.9	11.9	6.7	82.1	108.6	157.8	262.1	0.0	0.4	29.1	0.0	1.8	0.0
11	54.8	36.5	45.6	5.5	4.0	4.6	31.7	21.7	11.3	2.5	0.3	0.1	312.2	362.2	441.8	583.0	0.0	0.0	20.6	0.7	9.8	0.0
12	43.6	26.9	35.3	4.3	4.4	4.2	3.6	2.1	0.8	0.0	0.0	0.0	615.7	676.2	767.9	922.1	0.0	0.0	10.2	6.4	22.0	0.2
Summary	65.9	46.5	56.2	3.9	3.4	3.5	3208	2822	2282	1487	842	630	2740	3083	3638	4668	2.8	41.3	279.1	21.7	92.7	1.6

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	2.41	8.0	4.3	1.3	0.7	1.11	2.15	3.22
02	2.32	8.1	4.7	1.5	0.8	1.49	2.41	3.03
03	3.24	11.0	7.2	2.6	0.5	2.48	2.98	3.96
04	4.83	11.1	7.5	3.1	1.2	2.92	4.45	6.48
05	5.20	12.6	8.2	3.8	1.3	3.30	4.95	6.66
06	5.12	10.4	6.8	3.5	1.9	3.84	5.20	6.19
07	4.62	8.4	6.2	2.9	1.2	1.65	3.79	6.33
08	4.11	8.5	5.2	2.6	1.5	2.60	3.88	5.21
09	4.26	8.0	5.3	2.7	1.1	1.77	3.02	5.84
10	3.53	9.6	6.0	2.5	1.0	1.84	3.00	4.50
11	3.00	7.7	5.0	1.5	0.6	1.53	2.24	3.68
12	2.18	8.1	4.5	1.2	0.5	1.17	1.83	2.82
Summary	44.82	111.5	70.9	29.2	12.3	25.70	39.90	57.92

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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	5.90	3.2	1.5	0.4	0.3	0.0	7.5	3.2	1.5	0.2	2.30	4.80	7.50
02	4.80	3.0	1.2	0.5	0.2	0.0	5.4	2.5	1.3	0.4	1.30	3.50	6.50
03	2.00	1.3	0.6	0.3	0.1	0.0	1.7	1.1	0.7	0.0	0.00	0.40	3.00
04	0.30	0.1	0.1	0.0	0.0	0.0	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	0.0	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	0.10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.80	0.4	0.2	0.2	0.0	0.0	0.5	0.2	0.0	0.0	0.00	0.00	0.40
12	3.50	2.7	1.4	0.4	0.0	0.0	4.9	2.5	1.0	0.2	0.80	1.90	4.70
Summary	17.4	10.8	5.0	1.8	0.6	0.0	20.1	9.5	4.5	0.8	4.4	10.6	22.1

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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	39.9	78.2	245.2	498.1	801.4	1045.2	1204.1	1162.1	880.4	554.1	229.5	70.9
45	15.4	39.6	149.9	361.6	646.6	895.3	1049.2	1007.3	730.5	407.7	136.7	31.5
50	4.9	17.7	83.7	239.1	492.9	745.3	894.2	852.3	581.0	276.5	70.8	11.9
55	1.3	6.5	42.7	141.1	346.4	595.4	739.2	697.3	434.3	168.8	31.7	3.6
60	0.3	1.7	18.3	72.4	218.5	446.5	584.2	542.4	295.5	89.6	11.3	0.8
Growing Degree Units for Corn (Monthly)												
50/86	24.0	49.1	147.0	293.3	504.7	716.1	831.6	796.0	575.7	326.4	124.1	38.2

Growing Degree Units (Accumulated Monthly)												
40	40	118	363	861	1663	2708	3912	5074	5955	6509	6738	6809
45	15	55	205	566	1213	2108	3158	4165	4895	5303	5440	5471
50	5	23	106	345	838	1584	2478	3330	3911	4188	4258	4270
55	1	8	50	192	538	1133	1873	2570	3004	3173	3205	3208
60	0	2	20	93	311	758	1342	1884	2180	2269	2281	2282
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	24	73	220	513	1018	1734	2566	3362	3938	4264	4388	4426

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