

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 780 ft. Lat: 39.7750° N Lon: 93.5358° W
Station: CHILLICOTHE 2S, MO US USC00231580

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	34.5	16.3	25.4	4.4	4.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0	917.4	979.3	1072.3	1227.3	0.0	0.0	4.6	12.6	29.0	3.4
02	39.8	20.6	30.2	6.4	6.0	6.1	1.8	1.0	0.4	0.1	0.0	0.0	696.1	751.3	834.7	974.4	0.0	0.0	7.7	8.2	24.0	1.7
03	52.0	30.8	41.4	5.5	4.6	4.9	22.8	15.9	8.7	2.5	0.2	0.0	444.5	499.6	585.4	734.2	0.0	0.0	17.9	2.0	17.2	0.3
04	63.5	41.4	52.4	3.8	3.4	3.5	86.7	64.7	38.7	12.4	2.0	0.7	163.3	201.2	265.2	388.9	0.0	0.1	26.5	0.0	4.7	0.0
05	73.5	53.2	63.3	3.4	3.5	3.3	284.2	235.3	169.2	83.6	31.1	18.7	25.4	38.5	65.4	134.8	0.0	1.3	30.8	0.0	0.2	0.0
06	83.1	63.1	73.1	2.4	2.3	2.2	543.4	484.1	395.8	255.1	133.4	94.1	0.5	1.2	3.0	12.3	0.1	7.2	30.0	0.0	0.0	0.0
07	87.3	67.1	77.2	3.3	2.4	2.7	688.1	626.1	533.1	379.3	232.1	178.2	0.0	0.0	0.1	1.2	1.3	12.9	31.0	0.0	0.0	0.0
08	85.7	64.4	75.1	3.2	2.8	2.7	621.4	559.4	466.7	314.7	177.2	130.6	0.0	0.0	0.3	3.3	0.9	10.5	31.0	0.0	0.0	0.0
09	78.3	55.1	66.7	3.3	3.4	3.2	360.9	307.1	232.1	127.1	55.5	36.1	10.0	16.2	31.2	76.2	0.0	3.4	30.0	0.0	0.0	0.0
10	66.1	42.8	54.5	3.4	2.5	2.6	115.2	87.2	53.8	20.1	5.6	3.0	132.3	166.3	225.9	347.2	0.0	0.3	28.6	0.0	4.0	0.0
11	51.4	31.2	41.3	5.6	4.1	4.7	15.4	9.8	4.2	0.8	0.0	0.0	426.4	480.7	565.2	711.7	0.0	0.0	17.5	1.7	16.5	0.1
12	39.2	21.7	30.5	4.8	4.7	4.6	0.7	0.3	0.0	0.0	0.0	0.0	761.6	823.2	915.9	1070.9	0.0	0.0	7.1	8.3	27.0	1.1
Summary	62.9	42.3	52.6	4.1	3.7	3.7	2741	2391	1903	1196	637	461	3578	3957	4565	5682	2.3	35.7	262.7	32.8	122.6	6.6

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	1.26	6.3	3.6	0.6	0.1	0.59	1.21	1.79	
02	1.80	7.3	4.1	1.0	0.3	0.77	1.76	2.47	
03	2.90	9.2	5.6	1.9	0.7	1.68	2.81	3.37	
04	3.75	11.3	7.0	2.5	0.9	2.45	3.76	4.93	
05	5.36	13.1	8.3	3.5	1.6	3.06	4.80	6.51	
06	5.21	10.9	7.6	3.4	1.6	3.44	5.26	6.56	
07	4.71	9.3	6.6	3.0	1.4	3.08	4.47	5.64	
08	4.61	9.6	5.9	2.9	1.5	2.76	4.15	5.95	
09	4.39	8.6	5.9	2.7	1.5	2.45	3.50	5.72	
10	3.22	9.3	5.4	2.1	0.7	1.55	3.05	4.38	
11	2.29	7.4	4.4	1.5	0.5	1.25	1.99	2.76	
12	1.69	6.6	3.7	1.1	0.3	0.99	1.57	2.25	
Summary	41.19	108.9	68.1	26.2	11.1	24.07	38.33	52.33	

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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	4.70	2.8	1.9	0.5	0.1	0.0	8.6	4.4	2.1	0.2	1.50	2.30	6.10
02	4.50	2.4	1.3	0.6	0.3	0.0	6.7	3.4	2.2	1.0	0.00	2.10	5.70
03	1.60	0.9	0.6	0.2	0.0	0.0	2.0	1.1	0.5	0.1	0.00	0.50	2.50
04	0.30	0.1	0.1	0.1	0.0	0.0	0.0	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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.40	0.5	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.0	0.00	0.00	0.20
12	2.40	2.1	1.5	0.2	0.0	0.0	4.1	1.5	0.7	0.0	0.70	1.80	2.80
Summary	13.9	8.8	5.5	1.7	0.4	0.0	21.7	10.5	5.6	1.3	2.2	6.7	17.3

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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	12.6	35.9	162.2	390.7	724.0	992.8	1153.1	1086.4	800.9	457.2	149.5	28.6
45	3.6	15.2	93.5	266.3	569.9	842.8	998.1	931.4	651.2	320.7	79.8	9.9
50	0.6	5.7	49.3	161.8	420.3	692.9	843.1	776.4	503.5	204.6	37.7	2.7
55	0.0	1.8	22.8	86.7	284.2	543.4	688.1	621.4	360.9	115.2	15.4	0.7
60	0.0	0.4	8.7	38.7	169.2	395.8	533.1	466.7	232.1	53.8	4.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	11.9	27.4	108.2	230.7	442.4	671.4	791.5	735.8	512.9	276.8	93.7	19.7

Growing Degree Units (Accumulated Monthly)												
40	13	48	211	601	1325	2318	3471	4558	5359	5816	5965	5994
45	4	19	112	379	948	1791	2789	3721	4372	4693	4772	4782
50	1	6	56	217	638	1331	2174	2950	3454	3658	3696	3699
55	0	2	25	111	396	939	1627	2248	2609	2724	2740	2741
60	0	0	9	48	217	613	1146	1613	1845	1898	1903	1903
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	12	39	148	378	821	1492	2284	3019	3532	3809	3903	3922

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