

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1105 ft. Lat: 36.7267° N Lon: 91.8736° W
Station: **W PLAINS, MO US USC00238880**

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	43.8	22.3	33.1	3.7	3.4	3.3	2.3	1.3	0.3	0.0	0.0	0.0	682.5	743.6	835.6	990.2	0.0	0.0	11.0	5.1	25.8	0.9
02	49.3	25.8	37.5	4.6	4.4	4.2	4.2	2.3	0.8	0.1	0.0	0.0	492.7	546.8	629.3	768.6	0.0	0.0	14.5	2.6	21.7	0.3
03	58.2	32.9	45.6	4.6	4.1	4.2	32.8	22.8	12.4	3.2	0.2	0.0	325.7	377.7	460.3	606.1	0.0	0.0	24.1	0.5	15.2	0.0
04	68.5	43.0	55.7	3.3	2.4	2.7	120.8	90.4	54.2	17.0	3.0	0.9	98.4	127.9	181.8	294.6	0.0	0.1	28.9	0.0	4.1	0.0
05	75.5	52.5	64.0	3.0	3.2	2.9	292.3	239.5	168.9	78.3	21.3	9.5	13.3	22.5	44.9	109.3	0.0	0.7	30.9	0.0	0.1	0.0
06	83.9	61.3	72.6	3.0	2.0	2.3	528.2	468.5	380.0	239.3	117.6	78.1	0.2	0.5	2.0	11.3	0.1	7.2	30.0	0.0	0.0	0.0
07	89.0	65.6	77.3	3.4	2.6	2.7	691.2	629.2	536.2	381.7	233.0	177.7	0.0	0.0	0.0	0.5	1.4	16.8	31.0	0.0	0.0	0.0
08	87.4	63.5	75.5	4.0	3.1	3.3	633.9	571.9	479.0	326.5	185.3	135.9	0.0	0.0	0.2	2.6	1.6	15.2	31.0	0.0	0.0	0.0
09	80.2	56.0	68.1	3.1	2.9	2.7	397.6	341.6	261.2	143.0	60.1	37.5	4.7	8.7	18.3	50.2	0.2	4.4	30.0	0.0	0.0	0.0
10	69.0	43.8	56.4	2.9	2.5	2.2	133.1	100.7	62.7	22.5	5.9	3.2	89.7	119.3	174.2	289.1	0.0	0.2	30.3	0.0	3.5	0.0
11	56.6	33.9	45.3	5.1	4.2	4.4	24.5	16.2	8.2	1.6	0.1	0.0	317.0	368.7	450.7	594.0	0.0	0.0	22.4	0.2	13.5	0.0
12	46.1	25.8	36.0	3.9	3.4	3.5	2.8	1.4	0.4	0.0	0.0	0.0	593.2	653.8	745.9	900.4	0.0	0.0	12.5	3.4	23.9	0.1
Summary	67.3	43.9	55.6	3.7	3.2	3.2	2864	2486	1964	1213	627	443	2617	2970	3543	4617	3.3	44.6	296.6	11.8	107.8	1.3

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	3.25	7.8	5.3	2.0	0.9	1.93	3.02	4.55	
02	2.95	7.5	5.2	2.1	0.9	1.81	2.60	4.48	
03	4.77	9.9	7.0	3.3	1.3	3.23	3.95	5.48	
04	5.68	9.3	6.3	3.6	1.6	3.48	3.85	5.69	
05	5.62	11.4	8.0	2.9	1.3	3.49	4.64	7.38	
06	3.52	8.1	5.7	2.5	1.0	2.51	3.47	4.30	
07	3.70	8.3	6.0	2.1	0.8	1.91	3.61	4.94	
08	4.07	8.3	5.5	2.2	1.0	2.86	4.13	5.37	
09	4.03	7.3	5.3	2.5	1.4	2.66	3.39	4.97	
10	3.84	8.3	5.2	2.2	1.1	2.00	3.11	5.12	
11	4.47	8.5	6.0	2.9	1.3	2.17	3.53	7.06	
12	3.46	8.2	5.7	2.5	1.0	2.05	3.06	4.88	
Summary	49.36	102.9	71.2	30.8	13.6	30.10	42.36	64.22	

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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	2.30	0.9	0.6	0.2	0.0	0.0					0.00	1.50	2.40
02	2.90	0.7	0.5	0.3	0.1	0.0					0.00	0.60	3.80
03	2.40	0.5	0.3	0.2	0.1	0.1					0.00	0.00	2.10
04	0.00	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					0.00	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	0.10	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.00	0.1	0.0	0.0	0.0	0.0					0.00	0.00	0.00
12	1.00	0.3	0.2	0.1	0.0	0.0					0.00	0.00	1.00
Summary	8.7	2.5	1.6	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	2.1	9.3

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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	45.0	80.4	229.6	477.0	744.3	977.9	1156.1	1098.8	842.8	511.2	212.3	60.9
45	19.2	36.4	136.1	339.0	589.8	827.9	1001.0	943.7	692.8	364.4	122.2	26.2
50	7.1	13.9	72.1	217.2	436.3	678.0	846.1	788.8	543.6	236.2	60.1	9.4
55	2.3	4.2	32.8	120.8	292.3	528.2	691.2	633.9	397.6	133.1	24.5	2.8
60	0.3	0.8	12.4	54.2	168.9	380.0	536.2	479.0	261.2	62.7	8.2	0.4
Growing Degree Units for Corn (Monthly)												
50/86	33.5	58.9	154.1	295.7	465.5	657.7	779.7	735.5	543.3	314.1	126.0	37.9

Growing Degree Units (Accumulated Monthly)												
40	45	125	355	832	1576	2554	3710	4809	5652	6163	6375	6436
45	19	56	192	531	1120	1948	2949	3893	4586	4950	5072	5099
50	7	21	93	310	747	1425	2271	3060	3603	3839	3899	3909
55	2	6	39	160	452	981	1672	2306	2703	2836	2861	2864
60	0	1	14	68	237	617	1153	1632	1893	1956	1964	1964
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	34	92	246	542	1008	1665	2445	3181	3724	4038	4164	4202

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