

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 790 ft. Lat: 39.1342° N Lon: 93.2225° W

Station: MARSHALL, MO US USW00013991

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	36.8	18.9	27.8	4.8	4.0	4.2	0.5	0.2	0.1	0.0	0.0	0.0	841.9	903.6	996.4	1151.4	0.0	0.0	5.3	11.6	28.4	2.4
02	42.3	22.5	32.4	6.0	5.1	5.4	2.7	1.5	0.5	0.1	0.0	0.0	635.4	690.2	773.2	912.8	0.0	0.0	8.5	7.0	23.2	1.0
03	53.8	32.3	43.0	5.1	4.6	4.7	29.3	20.7	11.1	2.8	0.3	0.1	399.8	453.2	536.6	683.3	0.0	0.0	18.9	1.6	16.5	0.2
04	64.9	42.6	53.8	3.7	3.3	3.4	104.4	79.1	49.0	16.4	3.0	1.1	141.9	176.6	236.5	354.0	0.0	0.0	26.9	0.0	4.2	0.0
05	74.6	54.3	64.5	3.5	3.2	3.2	311.3	259.7	190.2	97.6	37.1	22.1	18.4	28.8	52.3	114.7	0.0	1.0	30.9	0.0	0.1	0.0
06	83.7	63.7	73.7	2.4	2.3	2.2	561.0	501.4	412.9	270.3	145.0	103.2	0.2	0.6	2.1	9.4	0.1	6.9	30.0	0.0	0.0	0.0
07	87.5	67.4	77.4	2.9	2.4	2.5	695.8	633.8	540.8	386.6	238.6	184.3	0.0	0.0	0.0	0.8	0.8	12.1	31.0	0.0	0.0	0.0
08	86.1	64.8	75.5	3.1	2.9	2.8	633.8	571.8	479.0	326.7	188.5	141.6	0.0	0.0	0.1	2.8	0.7	10.3	31.0	0.0	0.0	0.0
09	79.3	56.3	67.8	3.3	3.2	3.1	392.6	337.5	259.7	149.6	70.3	48.1	8.7	13.6	25.8	65.7	0.1	3.8	30.0	0.0	0.1	0.0
10	67.3	44.7	56.0	3.4	2.4	2.7	139.2	108.2	69.6	28.5	8.3	4.7	108.2	139.3	193.6	307.5	0.0	0.3	28.6	0.0	3.1	0.0
11	53.1	33.2	43.1	5.5	3.9	4.5	21.3	14.2	6.6	1.3	0.1	0.0	376.7	429.7	512.1	656.8	0.0	0.0	18.2	1.5	14.5	0.1
12	41.4	23.8	32.6	4.6	4.8	4.6	1.9	1.1	0.4	0.0	0.0	0.0	696.2	757.3	849.6	1004.2	0.0	0.0	8.3	7.6	25.4	0.8
Summary	64.2	43.7	54.0	4.0	3.5	3.6	2894	2529	2020	1280	691	505	3227	3593	4178	5263	1.7	34.4	267.6	29.3	115.5	4.5

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	1.46	6.6	3.4	0.7	0.2	0.76	1.22	2.04	
02	1.90	6.8	4.1	1.1	0.5	1.03	1.69	2.70	
03	3.00	9.9	6.6	2.0	0.6	2.02	2.62	3.99	
04	4.39	11.1	7.6	3.0	1.4	3.09	4.13	5.28	
05	5.47	11.9	8.1	3.7	1.6	3.39	5.50	7.66	
06	5.10	10.6	7.6	3.2	1.5	3.51	4.60	6.60	
07	4.63	9.2	6.4	3.3	1.6	2.59	4.29	6.73	
08	3.88	8.4	5.2	2.3	1.4	2.33	3.28	4.72	
09	4.04	8.0	5.5	2.6	1.3	1.86	3.36	5.18	
10	3.20	8.6	5.6	2.4	0.9	1.78	2.94	4.47	
11	2.64	7.7	4.8	1.8	0.7	1.25	2.03	2.96	
12	2.06	7.4	4.3	1.3	0.5	0.89	1.99	3.02	
Summary	41.77	106.2	69.2	27.4	12.2	24.50	37.65	55.35	

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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	3.00	1.5	1.0	0.5	0.2	0.0	2.7	1.1	0.6	0.2	0.00	1.70	5.20
02	2.20	1.2	1.1	0.3	0.1	0.0	2.8	1.1	0.6	0.1	0.00	0.80	4.20
03	0.90	0.3	0.2	0.1	0.0	0.0	0.6	0.3	0.1	0.0	0.00	0.00	0.50
04	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
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.30	0.3	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.00	0.00
12	1.60	1.0	0.7	0.3	0.1	0.0	1.0	0.5	0.1	0.0	0.00	0.60	2.30
Summary	8.1	4.3	3.2	1.2	0.4	0.0	7.5	3.0	1.4	0.3	0.0	3.1	12.2

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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	21.2	49.5	188.8	424.8	758.1	1010.8	1160.8	1098.8	833.9	501.7	184.2	47.1
45	8.2	22.6	111.4	296.3	603.7	860.8	1005.8	943.8	684.2	360.4	103.8	20.0
50	2.4	8.6	60.6	186.7	452.5	710.8	850.8	788.8	536.1	237.0	50.2	7.1
55	0.5	2.7	29.3	104.4	311.3	561.0	695.8	633.8	392.6	139.2	21.3	1.9
60	0.1	0.5	11.1	49.0	190.2	412.9	540.8	479.0	259.7	69.6	6.6	0.4
Growing Degree Units for Corn (Monthly)												
50/86	17.0	36.8	121.9	249.7	467.5	686.5	798.2	744.5	536.5	299.0	106.5	29.2

Growing Degree Units (Accumulated Monthly)												
40	21	71	260	684	1442	2453	3614	4713	5547	6048	6233	6280
45	8	31	142	438	1042	1903	2909	3853	4537	4897	5001	5021
50	2	11	72	258	711	1422	2272	3061	3597	3834	3884	3892
55	0	3	32	137	448	1009	1705	2339	2731	2871	2892	2894
60	0	1	12	61	251	664	1205	1684	1943	2013	2019	2020
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	17	54	176	425	893	1579	2378	3122	3659	3958	4064	4093

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