

Summary of Monthly Normals
1991-2020

Current Location: Elev: 502 ft. Lat: 37.7342° N Lon: 89.9200° W
Station: PERRYVILLE WTP, MO US USC00236641

Generated on 04/28/2024

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	41.0	21.3	31.2	4.0	4.1	3.8	1.8	1.0	0.4	0.0	0.0	0.0	740.8	802.1	894.5	1049.1	0.0	0.0	8.1	7.8	26.0	1.2
02	46.2	24.6	35.4	5.3	4.8	4.9	4.3	2.8	1.4	0.3	0.0	0.0	553.1	607.6	690.1	829.0	0.0	0.0	11.3	4.4	21.4	0.5
03	56.1	32.7	44.4	5.1	4.4	4.5	32.5	22.8	12.2	2.9	0.3	0.0	361.1	413.4	495.8	641.5	0.0	0.0	20.9	0.8	16.6	0.0
04	67.5	42.1	54.8	3.4	3.3	3.2	117.0	89.3	55.2	19.1	3.8	1.6	123.0	155.3	211.3	325.1	0.0	0.1	28.4	0.0	5.5	0.0
05	76.5	52.8	64.7	3.0	3.9	3.3	316.1	265.0	194.2	101.0	37.8	21.5	17.0	27.9	50.1	111.9	0.0	1.1	30.9	0.0	0.2	0.0
06	85.2	62.3	73.8	2.8	3.0	2.6	562.5	502.8	414.1	272.3	148.8	107.5	0.2	0.4	1.8	10.0	0.2	8.5	30.0	0.0	0.0	0.0
07	88.3	66.1	77.2	2.9	3.0	2.8	688.1	626.1	533.2	379.5	233.3	180.0	0.0	0.0	0.1	1.4	0.7	13.8	31.0	0.0	0.0	0.0
08	87.2	63.5	75.3	3.1	3.0	2.8	630.7	568.8	476.0	323.9	185.2	138.3	0.0	0.0	0.3	3.2	0.7	11.0	31.0	0.0	0.0	0.0
09	80.7	54.8	67.8	2.9	3.3	2.8	389.6	334.2	255.8	145.0	64.7	41.6	7.1	11.7	23.4	62.6	0.1	4.4	30.0	0.0	0.1	0.0
10	69.6	43.3	56.4	2.8	2.1	1.9	142.3	109.5	70.1	27.9	7.7	4.1	97.4	126.6	180.2	293.0	0.0	0.2	30.0	0.0	4.5	0.0
11	55.6	32.9	44.2	5.2	3.9	4.2	24.4	15.9	7.7	1.6	0.1	0.0	346.8	398.4	480.2	624.0	0.0	0.0	20.8	0.8	15.9	0.0
12	44.8	25.4	35.1	4.2	4.1	4.0	2.6	1.3	0.4	0.0	0.0	0.0	619.4	680.1	772.1	926.8	0.0	0.0	10.8	4.6	23.5	0.2
Summary	66.6	43.5	55.0	3.7	3.6	3.4	2912	2540	2021	1274	682	495	2866	3224	3800	4878	1.7	39.1	283.2	18.4	113.7	1.9

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 502 ft. Lat: 37.7342° N Lon: 89.9200° W
Station: **PERRYVILLE WTP, MO US USC00236641**

Summary of Monthly Normals
1991-2020
Generated on 04/28/2024

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	2.74	5.7	4.1	1.8	0.6	1.36	2.46	3.64
02	2.77	5.9	4.2	1.9	0.8	1.49	2.63	3.68
03	3.82	8.6	6.5	2.7	1.1	2.26	3.52	4.84
04	5.53	9.3	7.3	3.7	1.6	3.56	4.27	6.86
05	5.71	10.9	8.3	3.9	1.9	3.96	5.87	7.39
06	4.34	7.6	6.1	3.1	1.2	2.83	4.52	5.94
07	3.93	7.6	6.0	2.8	1.1	2.15	3.59	4.97
08	3.33	7.0	5.2	2.3	1.2	2.15	3.12	4.09
09	3.33	6.1	4.6	2.0	1.1	2.03	2.63	4.10
10	3.39	6.8	5.2	2.3	1.0	1.90	2.82	4.89
11	4.18	7.5	6.0	2.9	1.4	2.42	3.77	5.78
12	3.16	6.8	5.0	2.4	0.8	2.17	2.80	4.35
Summary	46.23	89.8	68.5	31.8	13.8	28.28	42.00	60.53

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 502 ft. Lat: 37.7342° N Lon: 89.9200° W
Station: **PERRYVILLE WTP, MO US USC00236641**

Summary of Monthly Normals
1991-2020
Generated on 04/28/2024

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	1.30	0.7	0.4	0.2	0.1	0.0	1.1	0.3	0.2	0.0	0.00	0.20	1.80
02	1.70	0.8	0.7	0.3	0.2	0.0	2.5	1.1	0.1	0.0	0.00	0.00	3.20
03	0.50	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.00	0.00
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	0.00	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	0.10	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
12	1.10	0.6	0.4	0.2	0.0	0.0	0.9	0.5	0.3	0.0	0.00	0.00	0.10
Summary	4.7	2.4	1.5	0.7	0.3	0.0	5.0	1.9	0.6	0.0	0.0	0.2	5.1

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 502 ft. Lat: 37.7342° N Lon: 89.9200° W
Station: **PERRYVILLE WTP, MO US USC00236641**

Summary of Monthly Normals
1991-2020
Generated on 04/28/2024

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	72.0	211.6	451.4	764.1	1012.3	1153.0	1095.6	832.4	513.4	195.6	62.7
45	17.2	34.2	126.0	318.6	609.5	862.3	998.1	940.7	682.6	368.5	111.8	27.0
50	6.4	13.7	69.1	204.7	457.3	712.3	843.1	785.7	534.0	243.5	57.5	10.4
55	1.8	4.3	32.5	117.0	316.1	562.5	688.1	630.7	389.6	142.3	24.4	2.6
60	0.4	1.4	12.2	55.2	194.2	414.1	533.2	476.0	255.8	70.1	7.7	0.4
Growing Degree Units for Corn (Monthly)												
50/86	28.4	52.8	142.2	287.6	489.3	682.4	785.7	737.7	542.7	330.9	125.2	38.8

Growing Degree Units (Accumulated Monthly)												
40	40	112	324	775	1539	2551	3704	4800	5632	6146	6341	6404
45	17	51	177	496	1106	1968	2966	3907	4589	4958	5070	5097
50	6	20	89	294	751	1464	2307	3092	3626	3870	3927	3938
55	2	6	39	156	472	1034	1722	2353	2743	2885	2909	2912
60	0	2	14	69	263	678	1211	1687	1942	2013	2020	2021
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	28	81	223	511	1000	1683	2468	3206	3749	4080	4205	4244

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.