

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 650 ft. Lat: 39.4078° N Lon: 88.7739° W

Station: SHELBYVILLE DAM, IL US USC00117876

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	35.9	19.2	27.6	4.5	5.0	4.6	0.4	0.2	0.1	0.0	0.0	0.0	851.1	912.9	1005.6	1160.5	0.0	0.0	4.9	11.8	27.1	3.0
02	41.1	22.9	32.0	5.3	5.8	5.4	1.5	0.8	0.3	0.0	0.0	0.0	645.5	700.8	784.2	923.9	0.0	0.0	7.4	6.6	23.2	1.1
03	51.9	32.1	42.0	5.3	4.4	4.7	23.5	16.9	9.4	2.6	0.2	0.0	426.5	481.9	567.4	715.6	0.0	0.0	17.0	1.5	17.5	0.1
04	64.0	43.1	53.6	3.2	3.0	2.9	96.7	72.4	43.2	12.5	2.1	0.8	140.2	175.9	236.7	356.1	0.0	0.0	27.5	0.0	3.7	0.0
05	73.7	54.3	64.0	3.6	3.7	3.5	297.0	246.3	178.6	90.9	33.4	18.5	18.0	29.3	54.7	122.0	0.0	0.5	30.9	0.0	0.1	0.0
06	82.5	63.4	72.9	2.3	1.9	2.0	538.6	479.0	390.9	249.6	126.9	88.4	0.1	0.6	2.5	11.3	0.1	5.1	30.0	0.0	0.0	0.0
07	86.0	66.6	76.3	3.0	2.6	2.6	660.2	598.2	505.2	350.8	204.2	152.1	0.0	0.0	0.0	0.7	0.4	8.9	31.0	0.0	0.0	0.0
08	84.9	64.6	74.7	2.6	2.8	2.5	612.2	550.2	457.3	304.3	162.2	113.6	0.0	0.0	0.2	2.2	0.0	6.8	31.0	0.0	0.0	0.0
09	79.6	56.6	68.1	3.1	2.8	2.8	398.4	342.3	262.2	147.1	64.4	41.2	5.5	9.4	19.4	54.4	0.0	4.1	30.0	0.0	0.0	0.0
10	67.1	44.8	55.9	2.7	2.7	2.4	133.2	102.9	66.4	27.3	8.5	4.8	103.8	135.4	192.0	307.9	0.0	0.3	29.5	0.0	2.5	0.0
11	52.3	33.5	42.9	5.6	4.2	4.7	17.5	10.7	4.7	0.9	0.0	0.0	380.4	433.6	517.6	663.8	0.0	0.0	18.4	1.4	14.7	0.0
12	40.6	24.7	32.6	4.7	4.5	4.5	1.6	0.9	0.3	0.0	0.0	0.0	694.3	755.7	848.0	1002.7	0.0	0.0	7.0	7.1	24.7	0.5
Summary	63.3	43.8	53.6	3.8	3.6	3.6	2781	2421	1919	1186	602	419	3265	3636	4228	5321	0.5	25.7	264.6	28.4	113.5	4.7

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	2.60	8.1	5.1	1.8	0.7	1.40	2.21	3.49
02	2.07	7.6	5.3	1.7	0.5	1.09	1.89	2.84
03	2.71	9.3	5.7	2.0	0.6	1.41	2.31	3.87
04	4.33	10.3	7.8	2.8	1.0	2.92	3.96	5.61
05	4.65	12.8	8.6	3.3	1.2	2.97	4.29	5.79
06	4.68	10.3	7.1	3.4	1.3	2.71	4.72	5.80
07	4.06	8.6	5.7	2.6	1.0	2.68	3.76	5.12
08	3.41	7.9	5.3	2.1	0.9	1.62	2.75	4.64
09	3.06	7.4	5.0	2.1	0.7	1.53	2.42	3.34
10	3.57	9.1	6.1	2.6	1.1	2.24	2.96	4.59
11	3.71	8.4	5.9	2.7	1.0	2.08	3.27	5.41
12	2.59	8.3	5.1	1.9	0.7	1.71	2.32	2.98
Summary	41.44	108.1	72.7	29.0	10.7	24.36	36.86	53.48

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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	24.0	43.2	161.9	417.1	744.0	988.3	1125.2	1077.1	842.8	498.0	168.1	41.3
45	8.5	19.0	92.7	288.0	589.3	838.3	970.2	922.1	693.0	355.0	91.5	15.2
50	1.8	7.1	49.6	178.7	437.5	688.3	815.2	767.1	543.9	230.6	44.7	4.7
55	0.4	1.5	23.5	96.7	297.0	538.6	660.2	612.2	398.4	133.2	17.5	1.6
60	0.1	0.3	9.4	43.2	178.6	390.9	505.2	457.3	262.2	66.4	4.7	0.3
Growing Degree Units for Corn (Monthly)												
50/86	13.8	28.8	100.5	237.9	456.2	671.6	780.1	740.1	546.4	295.1	93.9	21.3
Growing Degree Units (Accumulated Monthly)												
40	24	67	229	646	1390	2378	3504	4581	5424	5922	6090	6131
45	8	28	120	408	998	1836	2806	3728	4421	4776	4868	4883
50	2	9	58	237	675	1363	2178	2945	3489	3720	3764	3769
55	0	2	25	122	419	958	1618	2230	2629	2762	2779	2781
60	0	0	10	53	232	622	1128	1585	1847	1914	1918	1919
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	14	43	143	381	837	1509	2289	3029	3575	3870	3964	3986

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