

Summary of Monthly Normals
1991-2020

Current Location: Elev: 621 ft. Lat: 39.2883° N Lon: 89.8703° W
Station: CARLINVILLE, IL US USC00111280

Generated on 05/23/2024

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	36.1	19.2	27.7	4.3	4.7	4.4	1.0	0.5	0.2	0.0	0.0	0.0	848.3	909.9	1002.6	1157.4	0.0	0.0	4.8	12.2	26.6	2.5
02	41.3	23.0	32.2	5.8	6.0	5.8	2.4	1.3	0.6	0.0	0.0	0.0	642.0	696.9	780.2	919.6	0.0	0.0	8.1	6.7	21.7	0.8
03	52.1	32.2	42.1	5.0	4.4	4.6	29.6	20.9	11.2	2.8	0.2	0.0	427.8	481.2	564.5	711.1	0.0	0.0	17.4	1.5	16.1	0.1
04	65.1	42.9	54.0	3.4	3.1	3.2	104.5	78.9	48.1	15.7	2.7	1.0	134.6	169.0	228.1	345.8	0.0	0.0	27.3	0.0	3.8	0.0
05	74.1	53.5	63.8	3.2	3.0	3.0	292.7	242.0	174.9	86.9	30.7	17.8	19.8	31.2	57.1	124.1	0.0	0.7	31.0	0.0	0.2	0.0
06	82.9	62.6	72.8	2.0	2.3	1.9	532.6	473.1	385.2	245.7	127.4	89.6	0.4	0.9	2.9	13.5	0.1	5.5	30.0	0.0	0.0	0.0
07	86.2	66.0	76.1	3.1	2.5	2.6	653.9	591.9	499.0	345.8	203.7	153.8	0.0	0.0	0.1	1.9	0.4	9.6	31.0	0.0	0.0	0.0
08	85.0	63.6	74.3	2.8	2.7	2.6	598.0	536.1	443.6	292.6	158.6	115.4	0.0	0.0	0.5	4.5	0.2	8.2	31.0	0.0	0.0	0.0
09	79.2	55.1	67.1	3.2	2.9	2.9	370.8	315.5	237.8	130.0	56.8	37.1	6.5	11.1	23.5	65.7	0.1	2.7	30.0	0.0	0.1	0.0
10	67.0	43.9	55.4	3.0	2.2	2.4	123.8	94.4	59.6	21.6	5.7	2.9	109.9	142.4	200.7	317.6	0.0	0.1	29.5	0.0	3.5	0.0
11	52.9	33.2	43.0	5.2	4.2	4.5	20.9	13.4	6.0	0.9	0.1	0.0	379.3	431.8	514.4	659.3	0.0	0.0	18.2	1.2	13.4	0.0
12	40.9	24.6	32.8	4.6	4.6	4.4	2.5	1.5	0.6	0.0	0.0	0.0	692.1	753.0	845.2	999.6	0.0	0.0	6.9	7.7	24.1	0.1
Summary	63.6	43.3	53.4	3.8	3.6	3.5	2733	2370	1867	1142	586	418	3261	3627	4220	5320	0.8	26.8	265.2	29.3	109.5	3.5

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	2.28	8.5	4.9	1.5	0.5	1.21	1.77	3.07
02	2.09	7.1	4.4	1.3	0.4	1.21	1.84	2.37
03	2.90	9.0	6.2	1.9	0.4	2.06	2.75	3.61
04	4.67	11.4	7.7	3.7	1.2	3.28	4.27	5.92
05	4.27	11.3	7.6	2.4	0.9	2.97	4.24	5.63
06	4.64	9.4	6.3	2.8	1.0	2.49	3.60	5.96
07	3.44	8.1	5.7	2.3	1.1	1.95	3.24	4.49
08	3.24	7.3	5.1	2.1	0.6	2.28	3.25	4.22
09	3.32	8.1	5.2	2.5	1.1	1.70	3.07	4.24
10	3.31	8.9	5.5	2.0	0.7	2.12	2.83	4.32
11	3.53	8.0	5.1	2.3	1.0	2.35	3.90	4.28
12	2.32	7.8	4.5	1.2	0.4	1.36	1.89	2.50
Summary	40.01	104.9	68.2	26.0	9.3	24.98	36.65	50.61

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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	5.80	3.4	2.2	0.8	0.3	0.1	9.7	5.0	2.9	0.4	1.70	4.20	8.50
02	4.70	1.7	1.2	0.6	0.3	0.0	4.8	3.1	1.5	0.0	0.00	2.50	8.00
03	2.30	1.2	0.9	0.2	0.1	0.1	1.5	0.4	0.3	0.1	0.20	1.30	2.70
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	0.90	0.5	0.3	0.1	0.0	0.0	0.6	0.1	0.0	0.0	0.00	0.00	1.60
12	2.80	1.4	1.1	0.3	0.2	0.0	3.4	1.7	0.6	0.0	0.00	1.50	5.30
Summary	16.5	8.2	5.7	2.0	0.9	0.2	20.0	10.3	5.3	0.5	1.9	9.5	26.1

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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	22.1	45.6	176.7	430.7	737.8	982.3	1119.0	1063.1	814.4	483.5	175.5	47.0
45	8.2	19.6	105.1	299.4	583.2	832.3	964.0	908.1	664.5	341.1	98.4	20.2
50	2.8	6.5	58.6	188.7	431.9	682.3	809.0	753.1	515.7	219.1	49.5	7.9
55	1.0	2.4	29.6	104.5	292.7	532.6	653.9	598.0	370.8	123.8	20.9	2.5
60	0.2	0.6	11.2	48.1	174.9	385.2	499.0	443.6	237.8	59.6	6.0	0.6
Growing Degree Units for Corn (Monthly)												
50/86	13.2	29.8	108.9	254.0	455.7	664.9	769.6	722.4	524.0	290.9	99.8	24.5

Growing Degree Units (Accumulated Monthly)												
40	22	68	244	675	1413	2395	3514	4577	5392	5875	6051	6098
45	8	28	133	432	1016	1848	2812	3720	4384	4726	4824	4844
50	3	9	68	257	688	1371	2180	2933	3449	3668	3717	3725
55	1	3	33	138	430	963	1617	2215	2586	2709	2730	2733
60	0	1	12	60	235	620	1119	1563	1801	1860	1866	1867
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	13	43	152	406	862	1526	2296	3018	3542	3833	3933	3958

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