

Summary of Monthly Normals
1991-2020

Current Location: Elev: 640 ft. Lat: 42.0981° N Lon: 89.9842° W
Station: MT CARROLL, IL US USC00115901

Generated on 04/27/2024

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	30.7	10.9	20.8	4.4	6.1	5.2	0.0	0.0	0.0	0.0	0.0	0.0	1060.0	1122.0	1215.0	1370.1	0.0	0.0	1.5	16.9	30.0	7.9
02	35.3	14.3	24.8	5.6	7.5	6.4	0.1	0.1	0.0	0.0	0.0	0.0	845.6	901.6	985.5	1125.6	0.0	0.0	2.6	10.2	26.6	4.9
03	47.5	25.7	36.6	5.0	4.8	4.7	9.9	6.8	3.7	1.0	0.1	0.0	580.4	639.2	729.1	881.5	0.0	0.0	12.4	2.9	23.6	0.6
04	60.6	35.8	48.2	3.9	3.2	3.4	43.4	30.5	17.5	5.4	0.9	0.5	247.4	294.5	371.4	509.4	0.0	0.0	24.6	0.1	11.3	0.0
05	72.3	47.3	59.8	3.7	3.0	3.2	201.9	162.5	111.9	50.2	17.4	10.1	53.2	75.7	118.2	211.4	0.0	1.0	30.6	0.0	1.6	0.0
06	81.7	57.0	69.4	2.3	2.2	2.1	431.9	373.8	290.0	165.4	73.1	46.9	1.6	3.4	9.6	34.9	0.0	4.8	30.0	0.0	0.0	0.0
07	84.9	60.4	72.6	3.3	2.9	3.0	547.1	485.1	392.7	244.2	119.8	82.0	0.0	0.0	0.6	7.1	0.2	6.8	31.0	0.0	0.0	0.0
08	83.3	58.1	70.7	2.6	2.9	2.6	486.8	425.0	333.7	192.3	82.6	52.7	0.2	0.4	2.1	15.6	0.0	4.3	31.0	0.0	0.0	0.0
09	76.9	49.6	63.3	3.4	2.6	2.7	270.3	222.7	158.8	77.2	27.9	16.6	22.8	35.3	61.4	129.7	0.0	2.0	30.0	0.0	1.0	0.0
10	63.9	38.3	51.1	3.1	2.7	2.5	67.9	48.8	28.1	9.6	2.9	1.5	188.9	231.8	304.0	440.5	0.0	0.1	28.1	0.0	10.4	0.0
11	48.5	27.4	38.0	5.6	4.0	4.7	6.2	3.7	1.4	0.2	0.0	0.0	517.7	575.1	662.8	811.7	0.0	0.0	13.6	2.0	21.2	0.1
12	35.8	17.1	26.4	5.1	5.9	5.4	0.4	0.2	0.0	0.0	0.0	0.0	885.4	947.1	1040.0	1195.0	0.0	0.0	3.0	11.1	28.8	3.2
Summary	60.1	36.8	48.5	4.0	4.0	3.8	2066	1759	1338	746	325	210	4403	4826	5500	6732	0.2	19.0	238.4	43.2	154.5	16.7

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	1.66	8.9	4.9	0.9	0.1	0.95	1.42	2.25
02	1.83	7.6	4.6	0.9	0.3	0.91	1.58	2.64
03	2.51	8.9	5.4	1.5	0.6	1.24	2.11	3.68
04	3.90	11.4	7.4	2.8	0.9	2.44	3.92	4.78
05	4.57	12.7	8.3	3.3	1.2	3.46	4.45	5.75
06	5.49	11.6	8.1	3.8	1.8	3.23	5.50	7.81
07	4.89	8.9	6.4	3.1	1.6	3.08	4.03	6.52
08	3.91	8.7	6.1	2.8	1.1	2.54	3.80	4.84
09	3.71	8.6	6.0	2.1	1.0	2.08	3.04	4.89
10	3.02	8.7	5.5	2.0	0.8	1.35	3.06	3.85
11	2.60	8.1	5.1	2.0	0.6	1.55	2.26	3.40
12	2.21	9.2	5.3	1.3	0.4	1.19	1.79	2.81
Summary	40.30	113.3	73.1	26.5	10.4	24.02	36.96	53.22

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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	10.20	5.2	3.3	1.1	0.4	0.0	20.3	14.6	9.3	2.1	5.10	9.00	14.70
02	7.90	4.2	2.7	1.0	0.3	0.0	15.7	11.7	7.3	2.8	2.90	6.30	10.10
03	3.60	1.9	1.2	0.4	0.2	0.0	5.9	3.4	2.0	0.6	0.80	2.50	5.90
04	0.80	0.3	0.3	0.1	0.0	0.0	0.4	0.1	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	0.40	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	1.70	0.8	0.6	0.3	0.1	0.0	1.6	0.8	0.3	0.0	0.00	0.00	2.70
12	8.80	4.7	3.1	1.2	0.3	0.0	13.1	9.2	4.9	0.9	3.10	8.20	12.00
Summary	33.4	17.3	11.4	4.1	1.3	0.0	57.1	39.8	23.8	6.4	11.9	26.0	45.4

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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	2.6	9.8	85.2	278.8	614.2	880.3	1012.0	951.5	697.5	357.9	93.1	11.3
45	0.3	3.2	43.8	170.6	462.2	730.3	857.0	796.5	548.4	233.4	44.9	3.9
50	0.0	0.7	21.3	92.3	320.5	580.5	702.1	641.6	403.2	135.3	18.4	1.5
55	0.0	0.1	9.9	43.4	201.9	431.9	547.1	486.8	270.3	67.9	6.2	0.4
60	0.0	0.0	3.7	17.5	111.9	290.0	392.7	333.7	158.8	28.1	1.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.4	8.0	59.9	183.6	381.6	573.9	677.0	631.0	449.4	232.8	61.9	7.6

Growing Degree Units (Accumulated Monthly)												
40	3	12	98	376	991	1871	2883	3834	4532	4890	4983	4994
45	0	4	47	218	680	1410	2267	3064	3612	3846	3891	3894
50	0	1	22	114	435	1015	1717	2359	2762	2898	2916	2917
55	0	0	10	53	255	687	1234	1721	1991	2059	2066	2066
60	0	0	4	21	133	423	816	1150	1308	1336	1338	1338
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	10	70	254	636	1209	1886	2517	2967	3200	3262	3269

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