

Summary of Monthly Normals
1991-2020

Current Location: Elev: 639 ft. Lat: 39.8289° N Lon: 88.9506° W
Station: **DECATUR WTP, IL US USC00112193**
Generated on 06/03/2024

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	34.0	19.7	26.9	4.7	4.6	4.5	0.3	0.1	0.0	0.0	0.0	0.0	872.7	934.6	1027.4	1182.4	0.0	0.0	3.7	11.9	27.1	2.4
02	39.1	23.5	31.3	5.5	5.7	5.5	1.4	0.8	0.3	0.0	0.0	0.0	664.9	720.4	803.8	943.5	0.0	0.0	6.9	6.7	22.9	1.0
03	50.8	32.8	41.8	5.0	4.5	4.6	20.6	13.9	7.0	1.5	0.1	0.0	429.8	485.1	571.2	720.7	0.0	0.0	17.6	1.5	16.1	0.1
04	63.4	43.3	53.3	3.0	2.8	2.7	89.1	65.6	38.2	12.0	2.3	0.8	138.6	175.1	237.8	361.5	0.0	0.0	27.9	0.0	3.9	0.0
05	73.5	53.8	63.7	3.2	3.5	3.2	288.9	239.5	172.7	85.8	30.5	17.2	20.7	33.4	59.6	127.7	0.0	0.6	30.9	0.0	0.1	0.0
06	82.2	63.1	72.6	2.1	1.9	1.9	529.6	470.0	381.5	241.3	122.2	84.2	0.2	0.6	2.2	12.0	0.0	6.2	30.0	0.0	0.0	0.0
07	84.7	66.5	75.6	3.2	2.5	2.7	638.5	576.5	483.5	329.8	185.1	134.7	0.0	0.0	0.0	1.3	0.3	9.0	31.0	0.0	0.0	0.0
08	83.5	64.9	74.2	2.7	2.7	2.5	595.1	533.1	440.5	288.5	152.0	106.7	0.0	0.0	0.4	3.4	0.1	6.9	31.0	0.0	0.0	0.0
09	77.7	57.0	67.3	3.2	3.1	3.0	377.2	322.2	244.8	134.7	57.8	37.1	6.8	11.8	24.4	64.3	0.0	3.3	30.0	0.0	0.1	0.0
10	65.3	45.7	55.5	3.0	2.4	2.5	126.1	96.0	60.0	21.3	5.3	2.7	110.6	142.6	199.5	315.9	0.0	0.1	29.6	0.0	2.2	0.0
11	50.3	34.3	42.3	4.9	4.4	4.5	17.2	10.9	5.0	0.8	0.0	0.0	398.2	451.9	535.9	681.8	0.0	0.0	17.2	1.2	13.2	0.0
12	38.6	25.0	31.8	4.5	4.8	4.5	1.3	0.7	0.2	0.0	0.0	0.0	720.4	781.8	874.2	1029.1	0.0	0.0	6.1	7.4	24.1	0.5
Summary	61.9	44.1	53.0	3.8	3.6	3.5	2685	2329	1834	1116	555	383	3363	3737	4336	5444	0.4	26.1	261.9	28.7	109.7	4.0

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	2.40	9.2	4.7	1.5	0.5	1.22	2.10	3.06
02	2.00	8.3	4.0	1.2	0.5	1.23	1.68	2.53
03	2.64	9.9	5.9	1.7	0.4	1.48	2.51	3.47
04	4.12	11.4	7.2	3.0	1.1	2.47	3.88	5.66
05	4.95	13.3	8.3	3.1	1.3	3.26	4.37	6.34
06	4.73	10.5	6.7	3.0	1.4	2.76	4.58	6.19
07	4.00	9.5	6.0	2.7	1.2	2.26	3.39	4.71
08	3.50	7.4	4.9	2.2	1.0	2.30	3.32	4.63
09	3.08	7.8	5.1	1.9	0.8	1.62	2.58	3.71
10	3.41	9.6	6.0	2.6	0.9	2.02	3.05	4.26
11	3.21	9.4	5.9	2.0	0.7	2.00	3.07	3.80
12	2.40	9.2	5.0	1.4	0.4	1.31	1.93	2.66
Summary	40.44	115.5	69.7	26.3	10.2	23.93	36.46	51.02

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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	5.90	3.7	2.3	1.0	0.2	0.0					2.80	5.60	7.30
02	2.50	2.3	1.1	0.4	0.2	0.0					0.40	0.70	2.20
03	0.90	0.7	0.5	0.0	0.0	0.0					0.00	0.00	2.20
04	0.40	0.2	0.2	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					0.00	0.00	0.00
06	0.00	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					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.40	0.4	0.2	0.0	0.0	0.0					0.00	0.00	0.00
12	3.50	2.3	1.3	0.2	0.0	0.0					0.70	2.60	5.80
Summary	13.6	9.6	5.6	1.6	0.4	0.0	0.0	0.0	0.0	0.0	3.9	8.9	17.5

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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	15.9	35.7	162.1	410.8	733.1	979.3	1103.5	1060.0	820.4	485.0	162.6	34.0
45	5.4	14.4	90.9	280.3	578.3	829.3	948.5	905.0	670.5	342.4	89.9	12.5
50	1.3	4.8	46.7	170.7	427.8	679.3	793.5	750.0	521.8	219.8	43.6	4.3
55	0.3	1.4	20.6	89.1	288.9	529.6	638.5	595.1	377.2	126.1	17.2	1.3
60	0.0	0.3	7.0	38.2	172.7	381.5	483.5	440.5	244.8	60.0	5.0	0.2
Growing Degree Units for Corn (Monthly)												
50/86	7.1	18.5	89.3	229.7	451.5	664.8	768.8	730.3	528.3	273.4	78.3	13.4

Growing Degree Units (Accumulated Monthly)												
40	16	52	214	624	1358	2337	3440	4500	5321	5806	5968	6002
45	5	20	111	391	969	1799	2747	3652	4323	4665	4755	4767
50	1	6	53	224	651	1331	2124	2874	3396	3616	3659	3664
55	0	2	22	111	400	930	1568	2164	2541	2667	2684	2685
60	0	0	7	46	218	600	1083	1524	1768	1828	1834	1834
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	7	26	115	345	796	1461	2230	2960	3488	3762	3840	3853

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