

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 660 ft. Lat: 41.7803° N Lon: 88.3092° W
Station: **AURORA, IL US USC00110338**

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	30.5	16.0	23.2	4.6	5.6	5.0	0.1	0.1	0.0	0.0	0.0	0.0	984.2	1046.1	1139.0	1294.0	0.0	0.0	1.5	16.5	29.1	4.7
02	34.9	19.5	27.2	5.7	6.4	6.0	0.2	0.0	0.0	0.0	0.0	0.0	778.5	834.3	918.3	1058.3	0.0	0.0	3.0	10.6	25.7	2.6
03	47.0	28.9	37.9	5.1	4.5	4.7	11.2	7.9	4.8	1.8	0.3	0.0	539.7	598.5	688.4	840.4	0.0	0.0	12.7	3.0	22.1	0.3
04	59.8	39.3	49.6	3.7	3.1	3.2	51.0	36.3	20.5	6.7	1.7	0.8	214.5	259.8	334.0	470.2	0.0	0.0	24.7	0.1	7.3	0.0
05	71.1	50.1	60.6	3.6	3.2	3.2	215.6	173.7	120.2	58.1	22.1	13.4	42.0	62.2	101.6	194.6	0.0	1.0	30.6	0.0	0.7	0.0
06	80.5	60.1	70.3	2.3	2.2	2.0	460.5	402.3	317.1	189.2	91.2	62.9	1.6	3.4	8.3	30.3	0.0	4.4	30.0	0.0	0.0	0.0
07	84.0	64.8	74.4	3.3	2.6	2.9	601.3	539.3	446.3	294.4	157.0	111.8	0.0	0.0	0.1	3.1	0.3	5.9	31.0	0.0	0.0	0.0
08	82.1	63.1	72.6	2.5	2.6	2.5	545.5	483.5	391.0	241.5	115.2	76.5	0.0	0.0	0.5	5.9	0.0	3.3	31.0	0.0	0.0	0.0
09	75.8	55.3	65.5	3.2	2.7	2.7	328.0	275.4	202.9	106.2	42.6	26.8	11.6	19.0	36.5	89.8	0.0	1.7	30.0	0.0	0.2	0.0
10	62.8	43.1	53.0	2.8	2.5	2.5	86.7	63.5	37.3	12.6	3.8	2.1	150.3	189.1	255.8	386.1	0.0	0.0	27.8	0.0	4.8	0.0
11	47.8	31.7	39.7	5.4	3.6	4.3	7.9	4.5	1.6	0.2	0.0	0.0	465.4	521.9	609.0	757.7	0.0	0.0	12.9	2.1	17.2	0.0
12	35.6	21.8	28.7	4.8	5.3	5.0	0.6	0.3	0.0	0.0	0.0	0.0	815.8	877.4	970.2	1125.2	0.0	0.0	3.4	10.6	27.1	1.8
Summary	59.3	41.1	50.2	3.9	3.7	3.7	2309	1987	1542	911	434	294	4004	4412	5062	6256	0.3	16.3	238.6	42.9	134.2	9.4

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	1.86	9.0	4.7	0.9	0.2	1.17	1.51	2.60
02	1.83	7.9	4.3	1.0	0.2	1.05	1.51	2.39
03	2.35	9.7	5.5	1.5	0.3	1.48	2.10	2.98
04	4.05	11.7	7.6	2.7	0.9	2.61	3.82	5.20
05	4.86	12.6	8.3	3.3	1.3	3.31	4.59	6.52
06	4.50	11.1	8.1	2.8	1.3	3.04	3.90	6.00
07	4.19	9.1	6.5	2.4	1.0	2.34	3.30	4.75
08	3.86	9.1	7.0	2.6	1.0	2.87	3.62	4.68
09	3.37	8.4	5.6	2.1	0.8	1.68	2.78	3.83
10	3.70	9.3	6.3	2.2	1.0	1.86	2.99	5.11
11	2.71	8.7	5.1	1.8	0.7	1.57	2.30	3.42
12	2.19	9.3	4.9	1.4	0.5	1.33	1.95	2.95
Summary	39.47	115.9	73.9	24.7	9.2	24.31	34.37	50.43

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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	9.10	5.6	3.9	1.4	0.5	0.0	16.4	11.1	5.7	2.3	4.60	8.50	13.40
02	7.90	4.2	2.9	1.1	0.4	0.0	11.3	7.3	4.7	2.2	0.80	5.70	10.60
03	2.60	1.9	1.0	0.3	0.2	0.0	3.5	1.8	1.3	0.3	0.00	2.00	3.10
04	0.60	0.4	0.3	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	1.00
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	1.30	1.0	0.5	0.2	0.0	0.0	1.0	0.2	0.0	0.0	0.00	0.30	2.00
12	6.40	4.0	2.2	1.0	0.3	0.0	9.5	5.1	3.0	0.8	1.00	3.50	8.20
Summary	27.9	17.1	10.8	4.1	1.4	0.0	42.0	25.5	14.7	5.6	6.4	20.0	38.3

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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	6.3	15.5	100.9	309.8	638.7	908.8	1066.2	1010.4	766.3	409.0	116.2	18.8
45	1.5	5.0	53.9	195.0	485.4	758.9	911.3	855.5	616.8	273.7	57.1	5.8
50	0.4	1.6	26.6	107.6	339.9	609.0	756.3	700.5	469.2	165.9	24.3	2.0
55	0.1	0.2	11.2	51.0	215.6	460.5	601.3	545.5	328.0	86.7	7.9	0.6
60	0.0	0.0	4.8	20.5	120.2	317.1	446.3	391.0	202.9	37.3	1.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.8	8.7	60.0	175.8	378.3	599.2	732.1	687.9	482.0	227.0	57.8	7.7

Growing Degree Units (Accumulated Monthly)												
40	6	22	123	432	1071	1980	3046	4057	4823	5232	5348	5367
45	2	6	60	255	741	1500	2411	3266	3883	4157	4214	4220
50	0	2	29	136	476	1085	1841	2542	3011	3177	3201	3203
55	0	0	12	62	278	739	1340	1885	2213	2300	2308	2309
60	0	0	5	25	146	463	909	1300	1503	1540	1542	1542
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	12	72	247	626	1225	1957	2645	3127	3354	3412	3419

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