U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals 1991-2020

Generated on 11/11/2026

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 730 ft. Lat: 42.1928° N Lon: 89.0931° W

Station: **ROCKFORD GTR ROCKFORD AP, IL US USW00094822**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	29.1	14.5	21.8	4.8	5.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1029.0	1090.9	1183.9	1339.0	0.0	0.0	1.3	18.5	29.2	5.6
02	33.4	17.8	25.6	5.9	6.6	6.1	0.1	0.0	0.0	0.0	0.0	0.0	823.2	879.1	963.0	1103.1	0.0	0.0	2.1	12.6	25.8	3.1
03	46.5	28.1	37.3	5.0	4.5	4.7	10.7	7.5	4.5	1.5	0.1	0.0	559.4	618.3	708.2	860.2	0.0	0.0	11.7	3.7	21.9	0.4
04	59.7	38.5	49.1	3.8	2.7	3.1	45.4	32.1	17.8	4.9	0.9	0.3	222.4	269.1	344.8	481.9	0.0	0.0	24.4	0.1	7.4	0.0
05	71.2	49.5	60.4	3.5	2.9	3.0	209.0	167.9	115.5	54.4	20.0	11.9	43.2	64.1	104.7	198.6	0.0	0.7	30.7	0.0	0.6	0.0
06	80.7	59.6	70.1	2.6	1.7	2.0	455.5	397.1	311.5	181.8	83.5	55.3	1.1	2.7	7.2	27.4	0.0	3.9	30.0	0.0	0.0	0.0
07	83.9	63.6	73.8	3.6	2.8	3.1	581.2	519.2	426.3	274.2	140.4	97.8	0.0	0.0	0.1	3.0	0.2	5.4	31.0	0.0	0.0	0.0
08	82.0	61.8	71.9	2.8	2.8	2.6	523.8	461.9	369.7	222.2	100.9	66.0	0.0	0.1	0.9	8.3	0.0	3.2	31.0	0.0	0.0	0.0
09	75.3	53.5	64.4	3.2	2.9	2.7	297.3	246.7	178.4	88.6	32.9	20.2	15.4	24.8	46.5	106.7	0.0	1.5	30.0	0.0	0.3	0.0
10	62.3	41.8	52.0	3.3	2.5	2.6	76.9	56.1	32.7	10.6	2.5	1.4	168.3	209.6	279.2	412.1	0.0	0.1	27.3	0.0	5.3	0.0
11	47.1	30.5	38.8	5.7	4.0	4.7	6.6	3.9	1.5	0.3	0.0	0.0	492.6	549.9	637.5	786.3	0.0	0.0	12.1	2.8	18.0	0.0
12	34.3	20.2	27.3	5.2	5.6	5.3	0.3	0.1	0.0	0.0	0.0	0.0	860.5	922.2	1015.1	1170.1	0.0	0.0	2.5	12.3	27.3	2.4
Summary	58.8	40.0	49.4	4.1	3.7	3.8	2207	1893	1458	838	381	253	4215	4631	5291	6497	0.2	14.8	234.1	50.0	135.8	11.5

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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	1.60	10.1	4.4	0.7	0.1	0.92	1.29	2.27
02	1.63	8.7	4.2	0.9	0.2	0.70	1.47	2.18
03	2.40	10.8	5.3	1.2	0.5	1.26	2.06	3.43
04	3.75	11.8	7.2	2.6	1.0	2.75	3.31	4.46
05	4.18	12.9	7.6	2.8	1.1	3.02	3.65	4.89
06	5.23	11.4	7.8	3.3	1.5	3.30	4.65	7.09
07	3.81	9.1	6.0	2.8	0.8	2.44	3.24	4.48
08	4.19	9.3	6.2	2.6	1.3	2.76	3.63	5.29
09	3.62	8.4	5.4	2.3	1.0	1.87	2.80	5.32
10	2.63	9.6	5.3	1.7	0.5	1.44	2.27	3.62
11	2.27	8.8	5.0	1.5	0.5	1.35	2.03	2.98
12	1.93	9.8	4.6	1.2	0.3	0.95	1.80	2.51
Summary	37.24	120.7	69.0	23.6	8.8	22.76	32.20	48.52

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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	10.90	8.2	3.6	1.2	0.3	0.0	20.0	15.4	10.3	2.0	6.40	12.20	14.60
02	8.50	6.5	2.8	0.8	0.2	0.1	14.4	10.4	6.5	2.1	2.30	5.90	13.80
03	4.90	3.9	1.3	0.5	0.2	0.0	5.3	2.6	1.7	0.2	2.00	3.00	7.30
04	0.90	0.9	0.3	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.20	0.90
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	0.20	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	2.30	1.6	0.5	0.2	0.1	0.0	1.6	0.8	0.6	0.2	0.00	0.70	2.90
12	9.40	6.8	2.6	1.1	0.4	0.0	13.2	9.2	6.4	1.1	1.80	5.20	14.60
Summary	37.1	28.1	11.1	3.9	1.2	0.1	54.9	38.5	25.5	5.6	12.5	27.2	54.1

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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	3.9	11.0	92.8	296.5	630.9	904.3	1046.1	988.7	731.9	383.6	104.4	14.5
45	0.8	3.9	48.7	181.8	477.5	754.3	891.1	833.8	582.7	253.4	50.8	4.7
50	0.1	1.0	23.7	97.0	332.6	604.4	736.2	678.8	435.6	150.3	21.3	1.6
55	0.0	0.1	10.7	45.4	209.0	455.5	581.2	523.8	297.3	76.9	6.6	0.3
60	0.0	0.0	4.5	17.8	115.5	311.5	426.3	369.7	178.4	32.7	1.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.0	6.4	56.7	171.6	375.2	594.0	713.2	666.3	455.9	215.8	53.7	6.2
Growing Degree Units (Accumulated Monthly)												
40	4	15	108	404	1035	1939	2986	3974	4706	5090	5194	5209
45	1	5	53	235	713	1467	2358	3192	3775	4028	4079	4083
50	0	1	25	122	454	1059	1795	2474	2909	3060	3081	3083
55	0	0	11	56	265	721	1302	1826	2123	2200	2206	2207
60	0	0	4	22	138	449	876	1245	1424	1456	1458	1458
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	8	65	237	612	1206	1919	2585	3041	3257	3311	3317

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

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