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

Summary of Monthly Normals 1991-2020

Generated on 11/10/2026

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

Current Location: Elev: 658 ft. Lat: 41.9950° N Lon: 87.9336° W

Station: **CHICAGO OHARE INTL AP, IL US USW00094846**

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	31.6	18.8	25.2	4.4	5.3	4.8	0.2	0.1	0.0	0.0	0.0	0.0	923.8	985.7	1078.5	1233.5	0.0	0.0	1.6	16.5	28.1	3.5
02	35.7	21.8	28.8	5.6	5.9	5.6	0.5	0.2	0.0	0.0	0.0	0.0	735.4	791.1	874.9	1014.9	0.0	0.0	3.2	11.2	24.4	1.8
03	47.0	31.0	39.0	4.9	4.3	4.5	13.7	9.7	5.7	2.0	0.4	0.2	509.7	567.8	656.7	808.1	0.0	0.0	11.5	3.0	19.9	0.2
04	59.0	40.3	49.7	3.6	2.7	3.0	51.3	37.3	22.2	7.7	1.8	0.8	211.8	257.8	332.7	468.2	0.0	0.0	23.4	0.1	6.0	0.0
05	70.5	50.6	60.6	3.4	3.2	3.2	215.4	174.1	122.0	60.0	24.7	15.8	43.4	64.1	104.9	198.0	0.0	0.8	30.3	0.0	0.2	0.0
06	80.4	60.8	70.6	2.7	2.4	2.4	469.8	411.5	326.8	199.3	100.4	70.4	1.9	3.6	8.9	31.4	0.0	4.1	30.0	0.0	0.0	0.0
07	84.5	66.4	75.4	3.3	2.7	2.9	633.9	571.9	478.8	325.6	186.1	137.9	0.0	0.0	0.0	1.8	0.3	6.5	31.0	0.0	0.0	0.0
08	82.5	65.1	73.8	2.5	2.6	2.5	582.7	520.7	427.9	276.8	143.8	101.4	0.0	0.0	0.3	4.1	0.0	3.7	31.0	0.0	0.0	0.0
09	75.5	57.1	66.3	3.0	2.5	2.5	347.5	293.4	218.1	116.1	48.6	31.5	8.6	14.5	29.2	77.2	0.0	1.6	30.0	0.0	0.1	0.0
10	62.7	45.4	54.0	2.9	2.5	2.5	99.9	74.0	44.2	15.4	3.9	2.1	129.4	165.5	228.6	354.8	0.0	0.0	27.8	0.0	2.7	0.0
11	48.4	34.1	41.3	5.3	4.1	4.5	11.2	6.6	2.7	0.4	0.0	0.0	423.7	479.1	565.2	712.9	0.0	0.0	12.9	2.2	14.5	0.0
12	36.6	24.4	30.5	4.6	5.2	4.8	0.7	0.3	0.0	0.0	0.0	0.0	760.1	821.7	914.4	1069.3	0.0	0.0	3.4	10.4	25.4	1.1
Summary	59.5	43.0	51.3	3.8	3.6	3.6	2427	2100	1648	1003	510	360	3748	4151	4794	5974	0.3	16.7	236.1	43.4	121.3	6.6

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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	1.99	11.0	5.2	1.1	0.1	1.17	1.65	2.80
02	1.97	9.4	4.7	1.0	0.3	1.03	1.65	2.57
03	2.45	10.8	5.5	1.4	0.4	1.56	2.36	3.19
04	3.75	12.3	7.1	2.5	0.8	2.72	3.25	4.82
05	4.49	12.5	8.1	3.0	1.1	3.30	4.43	5.27
06	4.10	11.1	6.7	2.8	1.2	2.67	3.74	5.81
07	3.71	9.7	5.8	2.4	0.9	2.30	3.38	3.94
08	4.25	9.4	6.5	2.7	1.2	2.35	3.68	5.11
09	3.19	8.5	5.6	1.9	0.8	1.72	2.69	3.64
10	3.43	10.5	6.3	2.3	0.7	1.91	2.80	4.17
11	2.42	10.0	5.3	1.5	0.5	1.47	1.94	3.56
12	2.11	10.6	4.8	1.2	0.3	1.25	1.88	2.62
Summary	37.86	125.8	71.6	23.8	8.3	23.45	33.45	47.50

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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	11.30	8.5	3.6	1.3	0.4	0.0	16.1	9.4	5.4	1.1	5.50	11.20	14.60
02	10.70	6.4	3.1	0.9	0.4	0.1	11.9	8.1	5.7	1.7	2.60	7.30	20.10
03	5.50	4.0	1.5	0.6	0.2	0.0	4.6	2.5	1.5	0.2	2.10	3.50	7.90
04	1.30	1.0	0.4	0.2	0.0	0.0	0.5	0.1	0.0	0.0	0.00	0.50	1.80
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	1.80	1.6	0.5	0.2	0.1	0.0	1.3	0.5	0.3	0.0	0.00	0.30	2.20
12	7.60	6.1	2.2	0.7	0.3	0.0	9.2	5.1	2.2	0.7	1.60	5.50	10.30
Summary	38.4	27.8	11.4	3.9	1.4	0.1	43.6	25.7	15.1	3.7	11.8	28.3	56.9

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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	8.9	20.9	112.8	308.8	637.1	917.9	1098.8	1047.7	788.9	440.4	140.0	25.8
45	2.5	7.6	60.6	191.8	483.5	767.9	943.9	892.7	639.1	299.6	71.4	8.7
50	0.5	2.6	30.3	105.1	338.4	618.1	788.9	737.7	490.7	185.0	31.5	2.5
55	0.2	0.5	13.7	51.3	215.4	469.8	633.9	582.7	347.5	99.9	11.2	0.7
60	0.0	0.0	5.7	22.2	122.0	326.8	478.8	427.9	218.1	44.2	2.7	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.5	9.8	61.2	166.6	371.4	604.9	759.7	720.6	495.8	230.9	61.2	8.8
Growing Degree Units (Accumulated Monthly)												
40	9	30	143	451	1088	2006	3105	4153	4942	5382	5522	5548
45	2	10	71	262	746	1514	2458	3350	3990	4289	4361	4369
50	0	3	33	138	477	1095	1884	2622	3112	3297	3329	3331
55	0	1	14	66	281	751	1385	1968	2315	2415	2426	2427
60	0	0	6	28	150	477	956	1383	1602	1646	1648	1648
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	13	74	241	612	1217	1977	2698	3194	3424	3486	3494

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

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