

Summary of Monthly Normals
1991-2020

Current Location: Elev: 993 ft. Lat: 43.0603° N Lon: 92.6717° W
Station: CHARLES CITY, IA US USC00131402

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	24.6	8.6	16.6	5.1	6.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1190.0	1252.0	1345.0	1500.2	0.0	0.0	0.6	21.7	30.7	9.6
02	29.5	12.6	21.1	6.3	7.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0	950.4	1006.3	1090.3	1230.5	0.0	0.0	1.3	15.4	27.0	5.9
03	43.1	25.3	34.2	5.7	4.7	5.0	7.0	4.8	2.4	0.5	0.0	0.0	651.9	711.7	802.2	955.4	0.0	0.0	9.2	5.2	24.1	1.1
04	58.1	36.7	47.4	4.3	3.3	3.6	36.8	26.1	14.5	3.8	0.4	0.1	264.9	314.2	392.6	531.8	0.0	0.1	23.0	0.3	10.4	0.0
05	69.5	48.5	59.0	3.2	3.2	3.0	179.3	140.7	93.1	39.6	12.1	7.0	55.4	78.8	124.2	225.7	0.0	0.8	30.5	0.0	1.0	0.0
06	78.8	58.6	68.7	2.1	2.1	1.9	412.2	354.4	271.1	146.6	57.6	35.7	1.4	3.6	10.2	35.7	0.0	2.3	30.0	0.0	0.0	0.0
07	82.0	62.1	72.0	3.2	2.7	2.8	528.4	466.5	374.1	226.7	103.8	67.9	0.0	0.1	0.7	8.2	0.0	3.8	31.0	0.0	0.0	0.0
08	79.6	59.7	69.6	2.7	2.5	2.4	454.1	392.6	301.9	164.4	62.9	37.5	0.1	0.6	2.9	20.3	0.0	1.7	31.0	0.0	0.0	0.0
09	73.4	51.3	62.4	3.3	3.2	3.0	248.3	201.8	139.7	64.0	21.2	11.2	28.0	41.5	69.4	143.6	0.0	0.7	29.9	0.0	0.7	0.0
10	60.3	38.8	49.6	3.6	2.6	2.7	54.4	38.3	20.8	6.2	1.4	0.7	223.4	269.3	344.8	485.2	0.0	0.0	25.6	0.1	8.6	0.0
11	43.7	26.3	35.0	6.6	4.4	5.4	3.2	1.6	0.5	0.0	0.0	0.0	603.1	661.6	750.5	900.0	0.0	0.0	9.7	4.8	21.9	0.4
12	29.8	15.1	22.5	5.5	6.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0	1008.8	1070.8	1163.8	1318.9	0.0	0.0	1.1	16.2	29.5	4.9
Summary	56.0	37.0	46.5	4.3	4.0	4.0	1924	1627	1218	652	259	160	4977	5410	6097	7356	0.0	9.4	222.9	63.7	153.9	21.9

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 993 ft. Lat: 43.0603° N Lon: 92.6717° W
Station: CHARLES CITY, IA US USC00131402

Summary of Monthly Normals
1991-2020
Generated on 06/04/2024

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	1.01	7.7	3.3	0.2	0.0	0.75	0.92	1.34	
02	1.14	7.1	3.1	0.6	0.1	0.80	1.15	1.41	
03	1.93	9.0	4.5	1.1	0.1	1.03	1.65	2.63	
04	3.73	10.3	7.0	2.6	0.9	2.28	3.93	4.27	
05	5.06	12.7	8.7	3.6	1.1	3.52	4.60	6.13	
06	6.13	12.2	8.5	4.1	1.8	3.81	5.77	9.00	
07	4.92	9.8	6.4	3.3	1.3	3.07	4.31	6.24	
08	4.28	9.0	6.3	2.5	1.3	2.11	3.52	5.57	
09	3.82	9.0	5.7	2.4	0.9	2.05	2.84	4.50	
10	2.58	9.4	5.5	1.7	0.5	1.20	2.33	2.99	
11	1.74	6.7	4.0	1.0	0.3	0.80	1.76	2.20	
12	1.38	7.8	3.6	0.7	0.1	0.65	1.16	2.18	
Summary	37.72	110.7	66.6	23.8	8.4	22.07	33.94	48.46	

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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

Current Location: Elev: 993 ft. Lat: 43.0603° N Lon: 92.6717° W
Station: **CHARLES CITY, IA US USC00131402**

Summary of Monthly Normals
1991-2020
Generated on 06/04/2024

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	9.50	6.7	3.0	1.2	0.2	0.0	23.7	19.9	15.7	5.4	5.30	8.50	11.80
02	9.30	6.1	3.1	1.2	0.4	0.0	23.7	18.6	13.7	7.1	4.10	8.70	13.20
03	5.40	3.8	1.7	0.5	0.2	0.0	12.3	7.8	5.2	1.9	2.10	4.80	7.50
04	2.10	1.4	0.8	0.2	0.1	0.0	1.1	0.3	0.1	0.0	0.00	0.60	2.70
05	0.30	0.1	0.1	0.0	0.0	0.0	0.1	0.1	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	0.10	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	2.80	2.4	0.9	0.2	0.1	0.0	3.3	1.3	0.6	0.0	0.20	1.60	4.20
12	8.00	6.2	2.9	0.9	0.3	0.0	16.7	10.6	7.6	1.2	3.40	5.80	11.20
Summary	37.5	26.9	12.6	4.2	1.3	0.0	81.0	58.6	42.9	15.6	15.1	30.0	50.6

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 993 ft. Lat: 43.0603° N Lon: 92.6717° W
Station: CHARLES CITY, IA US USC00131402

Summary of Monthly Normals
1991-2020
Generated on 06/04/2024

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	0.2	4.8	66.7	260.6	589.6	860.7	993.3	919.0	670.4	320.0	68.6	4.4
45	0.0	1.1	33.1	156.6	438.3	710.8	838.4	764.1	521.9	202.7	31.2	1.4
50	0.0	0.2	15.1	81.5	298.0	560.9	683.4	609.1	379.5	114.4	11.8	0.4
55	0.0	0.0	7.0	36.8	179.3	412.2	528.4	454.1	248.3	54.4	3.2	0.0
60	0.0	0.0	2.4	14.5	93.1	271.1	374.1	301.9	139.7	20.8	0.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.7	3.1	41.9	154.5	345.7	559.5	670.9	605.8	414.5	187.7	40.2	2.1
Growing Degree Units (Accumulated Monthly)												
40	0	5	72	332	922	1783	2776	3695	4365	4685	4754	4758
45	0	1	34	191	629	1340	2178	2942	3464	3667	3698	3700
50	0	0	15	97	395	956	1639	2248	2628	2742	2754	2754
55	0	0	7	44	223	635	1164	1618	1866	1920	1924	1924
60	0	0	2	17	110	381	755	1057	1197	1218	1218	1218
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	4	46	200	546	1105	1776	2382	2797	2984	3024	3027

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.