

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1240 ft. Lat: 42.0650° N Lon: 94.8500° W

Station: CARROLL, IA US USC00131233

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	27.9	10.3	19.1	5.5	5.8	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1112.6	1174.6	1267.6	1422.7	0.0	0.0	1.6	18.9	30.7	8.1
02	32.8	14.2	23.5	6.6	6.3	6.3	0.1	0.0	0.0	0.0	0.0	0.0	881.9	937.9	1021.8	1161.9	0.0	0.0	3.2	14.0	26.7	5.0
03	46.2	25.3	35.7	6.0	4.4	5.0	8.1	5.4	2.6	0.7	0.0	0.0	604.9	664.2	754.5	907.5	0.0	0.0	12.5	4.9	23.9	0.9
04	59.9	36.1	48.0	4.2	3.3	3.6	43.4	30.3	16.8	5.4	1.0	0.3	253.5	300.3	376.8	515.4	0.0	0.1	23.2	0.5	10.1	0.0
05	71.1	49.2	60.1	3.4	2.8	3.0	210.1	168.7	116.5	54.5	18.9	10.9	50.5	71.1	111.9	204.9	0.0	0.8	30.3	0.0	0.9	0.0
06	81.3	60.0	70.7	2.8	2.1	2.3	470.8	412.2	326.6	195.2	91.3	61.1	1.5	2.9	7.3	25.8	0.0	4.4	30.0	0.0	0.0	0.0
07	84.3	63.9	74.1	3.2	2.5	2.8	592.0	530.0	437.1	286.3	150.9	106.8	0.0	0.0	0.2	4.3	0.2	6.9	31.0	0.0	0.0	0.0
08	82.2	61.2	71.7	2.6	2.6	2.4	517.7	455.8	364.0	219.7	102.8	68.8	0.0	0.2	1.4	12.1	0.0	3.8	31.0	0.0	0.0	0.0
09	76.3	51.8	64.0	3.4	3.4	3.2	293.6	244.9	178.4	91.4	37.3	23.1	22.2	33.6	57.0	120.0	0.0	2.0	29.8	0.0	0.5	0.0
10	62.9	39.5	51.2	4.0	2.8	3.1	75.7	55.9	33.7	12.5	3.5	2.0	193.6	235.7	306.6	440.3	0.0	0.2	26.4	0.2	7.9	0.0
11	46.4	26.7	36.6	6.5	4.5	5.3	6.3	3.7	1.3	0.1	0.0	0.0	559.7	617.1	704.8	853.5	0.0	0.0	12.6	4.7	22.1	0.2
12	33.1	16.1	24.6	5.5	5.0	5.1	0.1	0.0	0.0	0.0	0.0	0.0	942.3	1004.2	1097.2	1252.3	0.0	0.0	2.8	14.5	29.9	3.7
Summary	58.7	37.9	48.3	4.5	3.8	4.0	2218	1907	1477	866	406	273	4623	5042	5707	6921	0.2	18.2	234.4	57.7	152.7	17.9

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	0.90	6.5	2.3	0.3	0.0	0.39	0.84	1.34
02	1.11	6.6	3.2	0.6	0.1	0.65	0.99	1.59
03	1.87	7.9	4.5	1.2	0.4	1.07	1.69	2.31
04	3.35	10.6	6.6	2.5	0.8	2.44	3.01	4.20
05	4.49	12.6	8.7	3.0	0.9	2.65	4.31	6.02
06	5.12	12.1	8.2	3.3	1.3	3.78	5.03	6.13
07	4.36	10.0	6.2	2.8	1.0	2.42	3.88	6.45
08	4.06	9.5	6.5	2.4	1.3	1.67	4.32	5.50
09	2.95	8.5	5.2	2.2	0.7	1.77	2.67	3.95
10	2.68	8.5	5.1	1.8	0.5	1.25	2.41	3.74
11	1.44	5.8	3.1	0.8	0.2	0.92	1.07	2.05
12	1.38	6.9	3.1	0.7	0.2	0.49	1.09	1.43
Summary	33.71	105.5	62.7	21.6	7.4	19.50	31.31	44.71

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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	2.3	12.1	88.6	279.5	625.3	919.2	1056.9	982.5	721.4	369.8	88.5	8.2
45	0.3	3.7	46.4	173.5	474.1	769.2	901.9	827.5	572.3	246.7	43.2	2.3
50	0.0	0.7	21.4	94.7	332.2	619.5	747.0	672.6	427.6	146.5	18.6	0.6
55	0.0	0.1	8.1	43.4	210.1	470.8	592.0	517.7	293.6	75.7	6.3	0.1
60	0.0	0.0	2.6	16.8	116.5	326.6	437.1	364.0	178.4	33.7	1.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.1	9.9	65.3	178.3	373.3	605.3	721.4	658.9	455.3	228.3	58.1	6.4

Growing Degree Units (Accumulated Monthly)												
40	2	14	103	382	1008	1927	2984	3966	4688	5058	5146	5154
45	0	4	50	224	698	1467	2369	3197	3769	4016	4059	4061
50	0	1	22	117	449	1068	1816	2488	2916	3062	3081	3081
55	0	0	8	52	262	732	1324	1842	2136	2212	2218	2218
60	0	0	3	19	136	462	900	1264	1442	1476	1477	1477
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	13	78	257	630	1235	1957	2616	3071	3299	3357	3364

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