

Summary of Monthly Normals
1981-2010

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	28.5	9.8	19.1	6.8	6.6	6.5	0	0	0	0	0	0	1111	1173	1266	1421	0.0	0.0	1.4	18.0	30.7	8.0
02	33.3	13.9	23.6	6.7	6.3	6.4	-7777	-7777	-7777	0	0	0	879	935	1019	1159	0.0	0.0	3.1	12.7	26.6	4.6
03	46.0	24.2	35.1	4.9	3.2	3.7	5	3	1	-7777	-7777	-7777	622	682	773	927	0.0	0.0	11.4	4.3	24.8	0.6
04	60.3	35.7	48.0	4.5	3.1	3.5	47	35	21	7	1	-7777	257	305	381	517	0.0	0.1	23.1	0.3	10.2	0.0
05	71.6	48.5	60.0	3.5	3.1	3.1	202	160	108	46	13	7	46	66	106	199	0.0	0.4	30.6	0.0	0.8	0.0
06	81.0	58.6	69.8	2.8	2.3	2.4	446	387	303	174	76	49	2	3	9	30	0.1	3.4	30.0	0.0	0.0	0.0
07	84.4	63.1	73.8	2.7	2.3	2.4	581	519	426	275	141	99	-7777	-7777	-7777	4	0.1	5.9	31.0	0.0	0.0	0.0
08	82.3	60.7	71.5	3.3	2.9	3.0	512	450	359	217	103	70	-7777	1	3	16	0.1	3.9	31.0	0.0	0.0	0.0
09	75.4	50.5	62.9	3.3	2.5	2.6	268	221	158	78	29	17	29	42	69	139	0.0	1.1	29.8	0.0	0.5	0.0
10	62.3	38.4	50.3	3.7	2.9	2.9	63	46	27	10	3	2	207	252	327	464	0.0	0.2	26.6	0.1	8.3	0.0
11	45.6	25.5	35.6	6.1	4.7	5.2	5	3	1	-7777	0	0	588	646	735	884	0.0	0.0	11.3	4.5	22.9	0.4
12	31.1	13.3	22.2	6.6	6.1	6.2	0	0	0	0	0	0	1017	1079	1172	1327	0.0	0.0	2.0	15.7	30.0	5.4
Summary	58.5	36.9	47.7	4.6	3.8	4.0	2129	1824	1404	807	366	244	4758	5184	5860	7087	0.3	15.0	231.3	55.6	154.8	19.0

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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	5.9	2.3	0.4	-7777	0.46	0.81	1.33
02	0.92	5.6	2.6	0.5	0.1	0.44	0.76	1.37
03	2.16	8.0	4.9	1.3	0.5	1.09	1.98	2.98
04	3.48	10.0	6.7	2.6	0.8	2.14	2.88	4.28
05	4.38	11.6	8.2	2.9	0.9	2.52	3.65	6.29
06	4.99	11.4	7.8	3.5	1.5	3.00	5.02	6.43
07	5.00	9.9	6.8	3.2	1.2	2.64	3.97	7.17
08	4.06	8.5	6.4	2.5	1.1	2.34	3.33	5.14
09	3.02	8.4	5.3	2.1	0.7	1.82	2.67	3.85
10	2.53	7.8	5.1	1.7	0.5	1.35	2.02	4.27
11	1.66	6.2	3.7	1.0	0.2	1.01	1.39	2.41
12	1.21	7.0	3.1	0.4	0.2	0.49	0.85	1.61
Summary	34.31	100.3	62.9	22.1	7.7	19.30	29.33	47.13

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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	5.7	3.9	2.3	0.8	0.3	0.0	15.7	10.9	7.5	2.5	2.0	5.2	8.4
02	6.8	3.6	2.6	0.6	0.3	-7777	15.1	9.5	6.5	2.5	3.3	5.0	10.9
03	5.5	2.4	1.6	0.7	0.4	0.1	6.0	3.0	1.9	0.7	1.0	4.5	7.8
04	2.1	1.0	0.7	0.3	0.1	0.0	1.0	0.3	0.2	0.0	0.0	0.0	3.8
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.3	0.1	0.1	-7777	0.0	0.0	0.1	-7777	0.0	0.0	0.0	0.0	0.0
11	2.6	1.5	1.1	0.2	0.1	0.0	2.9	1.0	0.1	0.0	0.3	1.2	4.4
12	6.2	4.4	2.9	1.0	0.2	-7777	14.6	9.8	6.3	1.9	1.5	7.2	8.9
Summary	29.2	16.9	11.3	3.6	1.4	0.1	55.4	34.5	22.5	7.6	8.1	23.1	44.2

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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	10	74	277	622	894	1046	976	688	342	77	4
45	-7777	3	36	174	470	744	891	821	541	222	38	1
50	0	1	15	96	326	594	736	666	398	126	16	-7777
55	0	-7777	5	47	202	446	581	512	268	63	5	0
60	0	-7777	1	21	108	303	426	359	158	27	1	0
Growing Degree Units for Corn (Monthly)												
50/86	4	10	59	183	373	584	710	651	434	214	53	4

Growing Degree Units (Accumulated Monthly)												
40	2	12	86	363	985	1879	2925	3901	4589	4931	5008	5012
45	0	3	39	213	683	1427	2318	3139	3680	3902	3940	3941
50	0	1	16	112	438	1032	1768	2434	2832	2958	2974	2974
55	0	0	5	52	254	700	1281	1793	2061	2124	2129	2129
60	0	0	1	22	130	433	859	1218	1376	1403	1404	1404
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	14	73	256	629	1213	1923	2574	3008	3222	3275	3279

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