

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 895 ft. Lat: 41.3247° N Lon: 93.1008° W

Station: KNOXVILLE, IA US USC00134502

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	29.9	12.5	21.2	5.4	5.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1047.5	1109.5	1202.5	1357.5	0.0	0.0	2.6	17.1	29.8	6.1
02	35.1	17.0	26.0	6.7	6.5	6.5	0.4	0.2	0.0	0.0	0.0	0.0	810.8	866.7	950.5	1090.5	0.0	0.0	4.6	11.6	25.1	3.5
03	47.6	27.6	37.6	5.5	4.7	4.9	12.6	8.5	4.3	1.0	0.1	0.0	552.0	609.9	698.7	850.4	0.0	0.0	13.7	3.4	21.0	0.6
04	60.6	39.2	49.9	4.0	3.8	3.7	58.4	41.3	22.8	6.6	0.8	0.2	211.4	254.4	325.9	459.7	0.0	0.0	25.3	0.1	6.5	0.0
05	70.9	51.2	61.1	3.4	3.0	3.1	224.0	180.0	123.1	56.0	18.8	10.7	36.4	54.5	90.5	178.5	0.0	0.5	30.6	0.0	0.3	0.0
06	80.6	61.3	70.9	2.3	1.9	2.0	479.2	420.2	333.8	198.7	90.7	59.3	0.8	1.8	5.4	20.4	0.0	3.4	30.0	0.0	0.0	0.0
07	84.6	65.6	75.1	3.5	3.0	3.1	623.0	561.0	468.2	315.1	174.0	126.2	0.0	0.1	0.2	2.2	0.5	8.3	31.0	0.0	0.0	0.0
08	82.7	63.1	72.9	2.7	2.6	2.5	554.8	492.9	400.6	252.4	127.5	88.4	0.0	0.1	0.9	7.6	0.1	5.6	31.0	0.0	0.0	0.0
09	76.2	54.3	65.3	3.6	3.2	3.2	322.2	271.2	201.6	106.7	45.0	28.6	14.8	23.9	44.3	99.3	0.1	2.2	30.0	0.0	0.1	0.0
10	63.0	42.2	52.6	3.2	2.7	2.7	89.1	65.8	39.1	13.3	3.1	1.5	163.5	202.2	268.5	397.7	0.0	0.0	27.3	0.0	4.6	0.0
11	48.1	29.9	39.0	6.0	4.5	5.1	10.0	6.0	2.0	0.0	0.0	0.0	490.0	546.0	632.0	780.0	0.0	0.0	14.5	3.3	17.6	0.1
12	35.5	18.9	27.2	5.7	5.2	5.3	0.3	0.2	0.0	0.0	0.0	0.0	862.0	923.8	1016.7	1171.7	0.0	0.0	4.5	12.0	28.1	2.2
Summary	59.6	40.2	49.9	4.3	3.9	3.9	2374	2047	1596	950	460	315	4189	4593	5236	6416	0.7	20.0	245.1	47.5	133.1	12.5

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	1.15	4.9	2.5	0.6	0.1	0.72	0.96	1.33
02	1.67	5.4	3.4	0.9	0.3	1.01	1.50	2.38
03	1.87	7.9	4.8	1.4	0.3	0.80	1.68	2.75
04	3.85	10.1	7.2	2.8	1.2	2.33	3.71	4.93
05	4.98	12.3	8.3	3.2	1.2	3.54	4.76	6.16
06	5.61	11.0	8.1	3.7	1.8	3.70	5.40	7.02
07	4.34	7.8	5.4	2.7	1.1	1.31	3.42	6.73
08	3.89	8.7	5.9	2.8	1.2	2.74	3.56	4.69
09	3.66	7.8	5.6	2.4	1.0	2.27	3.32	4.73
10	3.06	7.9	5.1	1.8	0.8	1.42	2.06	4.30
11	1.80	6.3	3.8	1.2	0.4	0.94	1.57	2.52
12	1.57	5.0	2.3	1.0	0.2	0.80	1.36	2.10
Summary	37.45	95.1	62.4	24.5	9.6	21.58	33.30	49.64

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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	5.7	21.5	108.8	325.5	652.8	928.3	1087.9	1019.7	757.4	405.4	118.7	18.1
45	1.1	8.5	59.7	210.8	499.5	778.2	932.8	864.7	608.0	275.5	62.1	5.3
50	0.1	2.6	30.0	119.8	352.7	628.3	777.9	709.7	460.9	168.4	27.5	1.3
55	0.0	0.4	12.6	58.4	224.0	479.2	623.0	554.8	322.2	89.1	10.0	0.3
60	0.0	0.0	4.3	22.8	123.1	333.8	468.2	400.6	201.6	39.1	2.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	5.4	14.6	70.5	185.8	380.4	617.7	746.8	688.9	475.2	229.8	65.5	11.2
Growing Degree Units (Accumulated Monthly)												
40	6	27	136	462	1114	2043	3130	4150	4908	5313	5432	5450
45	1	10	69	280	780	1558	2491	3355	3963	4239	4301	4306
50	0	3	33	152	505	1134	1911	2621	3082	3250	3278	3279
55	0	0	13	71	295	775	1398	1952	2275	2364	2374	2374
60	0	0	4	27	150	484	952	1353	1554	1594	1596	1596
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	5	20	90	276	657	1274	2021	2710	3185	3415	3481	3492

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