

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 905 ft. Lat: 38.6133° N Lon: 95.2808° W

Station: OTTAWA, KS US USC00146128

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	39.9	18.2	29.0	4.4	3.6	3.7	0.4	0.2	0.1	0.0	0.0	0.0	804.6	866.5	959.3	1114.3	0.0	0.0	8.3	8.3	27.3	1.4
02	45.5	22.0	33.8	5.9	4.7	5.1	2.9	1.9	0.8	0.1	0.0	0.0	597.9	652.9	735.8	875.1	0.0	0.0	11.9	5.1	22.3	0.5
03	56.0	31.5	43.7	5.1	4.5	4.6	26.4	17.6	9.0	1.8	0.1	0.1	375.2	428.4	512.8	660.6	0.0	0.0	22.1	1.2	14.3	0.2
04	65.9	41.6	53.7	3.7	3.3	3.4	97.5	71.7	42.7	13.1	2.2	0.7	135.0	169.2	230.1	350.5	0.0	0.1	27.8	0.0	4.2	0.0
05	75.2	53.3	64.3	3.5	3.0	3.0	304.3	252.9	183.8	91.8	32.4	18.9	17.6	28.2	52.1	115.1	0.0	1.3	30.8	0.0	0.1	0.0
06	84.4	63.2	73.8	2.6	2.0	2.1	564.0	504.2	415.0	270.9	142.5	100.1	0.1	0.3	1.1	7.0	0.2	8.1	30.0	0.0	0.0	0.0
07	89.3	67.6	78.4	3.5	2.5	2.8	726.9	664.9	571.8	417.3	267.4	210.7	0.0	0.0	0.0	0.5	2.4	17.1	31.0	0.0	0.0	0.0
08	88.2	65.0	76.6	3.9	2.8	3.1	669.5	607.5	514.7	361.5	220.8	170.3	0.0	0.0	0.2	2.0	2.0	15.1	31.0	0.0	0.0	0.0
09	80.3	56.0	68.2	3.5	3.2	3.2	400.2	344.4	265.9	152.7	72.1	49.1	5.8	9.9	21.5	58.3	0.3	4.6	30.0	0.0	0.0	0.0
10	68.7	43.8	56.3	3.6	2.4	2.7	140.9	109.1	70.4	26.6	6.5	3.3	102.2	132.4	186.7	297.8	0.0	0.3	29.4	0.0	3.2	0.0
11	54.8	31.7	43.2	5.3	3.9	4.4	19.4	12.8	6.1	1.1	0.1	0.0	371.8	425.3	508.5	653.5	0.0	0.0	21.0	0.8	14.5	0.0
12	43.4	22.4	32.9	4.3	4.0	3.9	1.5	0.9	0.3	0.0	0.0	0.0	686.5	747.9	840.2	995.0	0.0	0.0	11.1	5.5	25.1	0.3
Summary	66.0	43.0	54.5	4.1	3.3	3.5	2954	2588	2081	1337	744	553	3097	3461	4048	5130	4.9	46.6	284.4	20.9	111.0	2.4

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	1.22	6.5	3.3	0.5	0.2	0.54	1.03	1.72	
02	1.57	6.4	3.3	0.8	0.2	0.65	1.36	2.27	
03	2.29	8.1	4.7	1.7	0.4	1.25	2.09	2.94	
04	3.79	10.2	6.3	2.5	1.0	2.54	3.73	4.39	
05	5.82	12.6	8.3	3.7	1.7	3.29	5.34	7.10	
06	5.55	10.3	6.6	3.3	1.6	4.65	5.64	7.12	
07	3.75	8.8	5.6	2.6	1.0	1.65	3.17	5.52	
08	4.63	9.3	5.7	2.6	1.4	1.97	3.72	5.91	
09	4.05	8.2	5.6	2.7	1.3	2.19	3.88	5.26	
10	3.08	8.7	5.3	1.8	0.8	1.53	2.40	4.47	
11	2.39	6.5	3.7	1.6	0.6	1.06	1.60	3.08	
12	1.71	6.2	3.3	1.2	0.3	0.89	1.50	2.61	
Summary	39.85	101.8	61.7	25.0	10.5	22.21	35.46	52.39	

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

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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	3.20	2.8	1.3	0.4	0.1	0.0					1.00	2.50	5.10
02	2.10	1.7	1.1	0.4	0.0	0.0					0.00	1.00	3.00
03	0.70	0.6	0.2	0.1	0.0	0.0					0.00	0.00	0.60
04	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
05	0.00	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	0.10	0.1	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.50	0.5	0.2	0.1	0.0	0.0					0.00	0.00	0.40
12	2.60	1.9	1.1	0.3	0.2	0.0					0.00	0.30	5.70
Summary	9.2	7.6	3.9	1.3	0.3	0.0	0.0	0.0	0.0	0.0	1.0	3.8	14.8

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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	21.5	57.0	203.6	425.3	751.9	1013.8	1191.8	1134.4	844.4	510.1	179.7	39.2
45	6.6	25.1	118.1	295.6	597.7	863.8	1036.8	979.4	694.5	367.7	99.3	14.5
50	1.5	8.6	60.7	183.5	446.7	713.8	881.8	824.4	545.6	242.5	48.8	4.9
55	0.4	2.9	26.4	97.5	304.3	564.0	726.9	669.5	400.2	140.9	19.4	1.5
60	0.1	0.8	9.0	42.7	183.8	415.0	571.8	514.7	265.9	70.4	6.1	0.3
Growing Degree Units for Corn (Monthly)												
50/86	24.4	52.7	145.1	264.6	470.9	689.6	812.4	760.0	548.6	322.4	119.5	33.7

Growing Degree Units (Accumulated Monthly)												
40	22	78	282	707	1459	2473	3665	4799	5644	6154	6334	6373
45	7	32	150	445	1043	1907	2944	3923	4618	4985	5085	5099
50	2	10	71	254	701	1415	2297	3121	3667	3909	3958	3963
55	0	3	30	127	432	996	1722	2392	2792	2933	2952	2954
60	0	1	10	53	236	651	1223	1738	2004	2074	2080	2081
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	24	77	222	487	958	1647	2460	3220	3768	4091	4210	4244

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