

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 2713 ft. Lat: 39.3569° N Lon: 100.4417° W

Station: HOXIE, KS US USC00143837

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	41.8	18.8	30.3	4.9	3.3	3.8	0.2	0.0	0.0	0.0	0.0	0.0	765.8	827.7	920.6	1075.6	0.0	0.0	10.0	9.0	30.2	2.2
02	44.8	21.1	33.0	7.2	4.6	5.6	2.3	1.2	0.3	0.0	0.0	0.0	619.5	674.4	757.5	897.2	0.0	0.0	12.2	6.2	26.2	1.5
03	55.6	29.4	42.5	5.5	3.9	4.4	19.3	12.2	5.3	0.7	0.0	0.0	406.8	461.8	547.8	698.3	0.0	0.1	20.8	2.3	21.6	0.6
04	64.5	38.8	51.6	3.7	2.9	3.0	75.2	54.0	30.2	8.3	1.3	0.5	175.7	214.5	280.7	408.8	0.0	0.3	25.1	0.3	9.7	0.0
05	73.9	50.1	62.0	3.9	2.5	2.9	254.3	208.8	148.7	70.7	24.7	14.6	37.2	53.8	86.7	163.7	0.1	2.7	30.4	0.0	1.1	0.0
06	85.3	61.1	73.2	4.1	2.5	3.1	547.0	488.2	401.2	263.6	146.5	108.0	1.3	2.4	5.4	17.8	1.6	10.0	30.0	0.0	0.0	0.0
07	90.0	66.1	78.1	3.4	2.3	2.6	714.3	652.4	559.5	406.1	258.6	204.8	0.0	0.0	0.1	1.6	3.6	17.0	31.0	0.0	0.0	0.0
08	87.6	64.3	75.9	3.3	2.2	2.5	649.3	587.4	494.9	343.2	202.0	152.8	0.0	0.1	0.6	3.9	1.4	13.4	31.0	0.0	0.0	0.0
09	80.0	55.1	67.6	4.0	3.3	3.5	387.8	334.3	258.8	150.9	73.4	50.3	11.4	18.0	32.4	74.6	0.3	6.3	29.7	0.0	0.1	0.0
10	67.2	41.3	54.2	4.3	2.8	3.2	114.5	86.6	53.2	18.3	4.6	2.4	137.7	171.8	231.4	351.5	0.0	0.8	27.8	0.5	6.4	0.0
11	53.7	29.5	41.6	5.3	3.7	4.1	13.0	7.5	2.8	0.4	0.0	0.0	415.0	469.5	554.8	702.4	0.0	0.0	17.9	2.4	22.4	0.0
12	42.9	21.2	32.1	4.4	3.3	3.5	0.4	0.1	0.0	0.0	0.0	0.0	711.6	773.3	866.2	1021.2	0.0	0.0	10.6	7.6	29.8	1.6
Summary	65.6	41.4	53.5	4.5	3.1	3.5	2778	2433	1955	1262	711	533	3282	3667	4284	5417	7.0	50.6	276.5	28.3	147.5	5.9

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	0.45	3.3	1.2	0.3	0.0	0.12	0.30	0.68	
02	0.59	4.1	1.6	0.2	0.0	0.20	0.57	0.92	
03	1.18	5.2	2.7	0.7	0.1	0.50	1.12	1.57	
04	2.20	7.9	4.4	1.4	0.4	1.18	2.09	2.76	
05	3.21	9.0	5.7	1.9	0.9	1.59	2.77	4.49	
06	2.73	7.9	5.1	1.8	0.8	1.23	2.80	4.12	
07	3.70	8.6	6.0	2.5	1.1	2.38	3.47	5.20	
08	3.16	8.1	5.1	2.3	0.8	1.70	2.43	3.71	
09	1.54	5.8	3.5	0.9	0.3	0.83	1.02	1.80	
10	1.76	5.8	3.5	1.0	0.4	0.41	1.26	2.77	
11	0.81	3.9	2.1	0.5	0.1	0.16	0.58	1.23	
12	0.68	3.5	1.6	0.3	0.1	0.11	0.36	0.97	
Summary	22.01	73.1	42.5	13.8	5.0	10.41	18.77	30.22	

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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	4.20	2.0	1.6	0.5	0.3	0.0	5.8	3.3	1.4	0.1	1.10	3.10	6.00
02	6.20	2.3	2.0	0.8	0.4	0.0	7.1	4.0	2.1	0.4	2.00	4.80	11.20
03	3.90	1.6	1.2	0.5	0.2	0.0	3.0	1.4	0.7	0.2	0.00	2.80	5.10
04	0.80	0.8	0.7	0.2	0.1	0.0	0.8	0.2	0.1	0.0	0.00	0.30	1.00
05	0.30	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	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	0.20	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	1.40	0.4	0.4	0.1	0.1	0.0	0.5	0.3	0.1	0.1	0.00	0.00	1.10
11	1.50	0.7	0.7	0.4	0.2	0.0	1.8	1.0	0.4	0.1	0.00	1.00	2.00
12	5.20	2.2	1.6	0.5	0.2	0.0	6.4	2.3	0.9	0.0	1.30	4.80	7.70
Summary	23.7	10.1	8.3	3.0	1.5	0.0	25.5	12.6	5.8	1.0	4.4	16.8	34.1

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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	31.3	53.7	188.3	371.4	682.4	995.7	1179.3	1114.2	826.5	456.0	154.2	36.6
45	8.6	23.0	106.5	248.8	529.8	845.8	1024.4	959.3	677.4	320.5	83.6	10.6
50	1.8	8.1	50.9	148.1	384.1	696.0	869.4	804.3	530.0	204.3	38.7	2.7
55	0.2	2.3	19.3	75.2	254.3	547.0	714.3	649.3	387.8	114.5	13.0	0.4
60	0.0	0.3	5.3	30.2	148.7	401.2	559.5	494.9	258.8	53.2	2.8	0.0
Growing Degree Units for Corn (Monthly)												
50/86	39.0	55.9	147.7	238.5	413.4	647.0	781.4	740.9	522.1	287.3	118.7	38.4

Growing Degree Units (Accumulated Monthly)												
40	31	85	273	645	1327	2323	3502	4616	5443	5899	6053	6090
45	9	32	138	387	917	1762	2787	3746	4424	4744	4828	4838
50	2	10	61	209	593	1289	2158	2963	3493	3697	3736	3738
55	0	2	22	97	351	898	1613	2262	2650	2764	2777	2778
60	0	0	6	36	184	586	1145	1640	1899	1952	1955	1955
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	39	95	243	481	894	1542	2323	3064	3586	3873	3992	4030

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

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