

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 2893 ft. Lat: 39.7994° N Lon: 101.0422° W
Station: **ATWOOD, KS US USC00140439**

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	42.6	15.1	28.9	4.7	3.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	810.6	872.6	965.6	1120.6	0.0	0.0	10.0	7.7	30.8	2.9
02	45.5	17.2	31.4	7.0	4.4	5.3	0.5	0.1	0.0	0.0	0.0	0.0	662.5	718.0	801.9	942.0	0.0	0.0	11.7	6.0	27.4	2.2
03	56.8	25.4	41.1	5.1	3.4	3.9	11.7	6.9	2.5	0.2	0.0	0.0	442.7	500.0	588.5	741.2	0.0	0.1	21.0	1.8	25.1	0.7
04	65.5	34.4	49.9	3.7	2.8	2.9	53.9	36.8	18.6	4.5	0.7	0.3	205.3	248.2	320.1	455.9	0.0	0.6	25.4	0.4	13.1	0.0
05	75.1	45.6	60.4	4.2	2.3	2.8	218.4	176.3	122.2	55.3	17.4	9.9	52.4	72.4	111.3	199.4	0.3	3.2	30.1	0.0	2.4	0.0
06	87.1	56.6	71.8	3.5	2.4	2.7	507.8	449.5	364.3	232.5	123.0	88.3	2.5	4.2	9.1	27.2	3.0	12.9	30.0	0.0	0.0	0.0
07	92.4	62.2	77.3	3.2	2.2	2.6	691.0	629.1	536.3	384.4	239.7	187.1	0.0	0.0	0.3	3.2	6.7	19.8	31.0	0.0	0.0	0.0
08	89.7	60.3	75.0	3.3	2.1	2.5	620.0	558.3	466.2	316.5	179.0	131.8	0.2	0.5	1.4	6.6	3.2	16.4	31.0	0.0	0.0	0.0
09	81.8	50.3	66.1	3.6	3.4	3.2	349.2	297.9	226.5	127.8	57.6	37.8	17.9	26.6	45.3	96.5	0.8	8.0	29.6	0.0	0.8	0.0
10	67.6	36.1	51.8	4.2	2.7	3.0	78.8	56.2	31.4	9.2	2.1	1.0	176.3	215.8	283.9	416.8	0.0	1.0	27.7	0.5	11.3	0.0
11	54.2	24.3	39.3	5.8	3.0	3.9	6.9	3.9	1.4	0.1	0.0	0.0	479.4	536.4	623.9	772.6	0.0	0.0	18.7	2.2	26.1	0.4
12	43.6	16.4	30.0	3.9	3.3	3.2	0.1	0.1	0.0	0.0	0.0	0.0	774.8	836.7	929.7	1084.7	0.0	0.0	10.7	6.3	30.7	1.6
Summary	66.8	37.0	51.9	4.3	2.9	3.3	2538	2215	1769	1130	620	456	3625	4031	4681	5867	14.0	62.0	276.9	24.9	167.7	7.8

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	0.44	2.5	1.2	0.2	0.0	0.10	0.23	0.50	
02	0.60	3.6	1.7	0.2	0.0	0.21	0.50	0.89	
03	1.05	4.7	2.9	0.6	0.1	0.57	1.07	1.48	
04	2.30	6.9	4.4	1.5	0.5	0.99	1.87	3.34	
05	3.23	9.5	5.9	1.9	0.8	1.83	2.71	4.79	
06	3.21	8.6	5.8	2.0	0.9	1.99	2.75	4.32	
07	3.40	8.4	5.9	2.2	0.8	2.03	3.16	4.09	
08	3.20	7.7	5.6	2.3	1.0	1.72	2.23	4.66	
09	1.69	5.1	3.5	1.2	0.4	0.83	1.42	2.11	
10	1.57	5.6	3.4	0.9	0.3	0.50	1.26	2.70	
11	0.81	3.6	1.9	0.4	0.1	0.24	0.47	1.03	
12	0.58	2.8	1.2	0.3	0.1	0.14	0.31	0.88	
Summary	22.08	69.0	43.4	13.7	5.0	11.15	17.98	30.79	

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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	5.00	1.9	1.7	0.5	0.3	0.0	4.4	2.0	1.5	0.5	1.00	3.00	6.50
02	6.10	2.3	2.0	0.8	0.3	0.0	4.6	3.0	1.9	0.3	2.70	4.70	9.00
03	4.50	1.8	1.7	0.7	0.2	0.0	1.8	0.8	0.3	0.0	0.50	4.00	7.20
04	3.10	1.3	1.2	0.4	0.1	0.0	1.2	0.4	0.1	0.0	0.00	1.50	4.40
05	0.60	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.60	0.6	0.6	0.2	0.1	0.0	0.5	0.2	0.1	0.1	0.00	0.00	1.90
11	3.80	1.6	1.4	0.3	0.2	0.1	1.9	1.2	0.7	0.3	0.00	2.50	4.50
12	4.00	1.9	1.6	0.6	0.1	0.0	3.6	1.8	0.6	0.1	0.90	3.00	6.00
Summary	28.7	11.5	10.3	3.6	1.3	0.1	18.1	9.5	5.3	1.3	5.1	18.7	39.5

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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	17.3	34.6	154.2	326.7	631.7	955.3	1156.1	1084.8	781.7	390.4	116.0	20.0
45	3.7	12.4	80.0	209.4	481.4	805.3	1001.0	929.8	633.3	261.8	57.0	5.1
50	0.7	3.7	34.5	117.2	340.9	655.9	846.0	774.8	487.7	155.5	22.3	0.8
55	0.0	0.5	11.7	53.9	218.4	507.8	691.0	620.0	349.2	78.8	6.9	0.1
60	0.0	0.0	2.5	18.6	122.2	364.3	536.3	466.2	226.5	31.4	1.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	39.8	57.7	159.3	247.5	399.1	598.3	729.3	691.3	494.1	286.0	125.0	41.5

Growing Degree Units (Accumulated Monthly)												
40	17	52	206	533	1164	2120	3276	4361	5142	5533	5649	5669
45	4	16	96	306	787	1592	2593	3523	4156	4418	4475	4480
50	1	4	39	156	497	1153	1999	2774	3261	3417	3439	3440
55	0	0	12	66	284	792	1483	2103	2452	2531	2538	2538
60	0	0	2	21	143	508	1044	1510	1737	1768	1769	1769
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	40	98	257	504	903	1502	2231	2922	3416	3702	3827	3869

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

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