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

Summary of Monthly Normals 1991-2020

Generated on 10/09/2026

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 1187 ft. Lat: 38.9267° N Lon: 97.2128° W

Station: **ABILENE, KS US USC00140010**

Temperature (°F)

Month	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
	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	43.2	21.7	32.5	5.0	3.4	4.0	0.1	0.0	0.0	0.0	0.0	0.0	699.0	760.9	853.9	1008.9	0.0	0.0	11.2	6.5	26.7	0.8
02	48.6	25.2	36.9	6.4	4.6	5.2	5.9	3.5	1.5	0.3	0.0	0.0	512.6	566.2	648.2	786.9	0.0	0.0	13.7	3.8	21.3	0.5
03	59.7	34.9	47.3	5.3	4.4	4.5	47.5	34.1	19.8	6.6	1.1	0.3	286.3	334.9	413.6	555.4	0.0	0.0	24.0	0.7	13.4	0.1
04	69.7	44.7	57.2	3.8	3.3	3.3	151.9	118.2	76.4	31.0	8.8	4.5	85.9	112.3	160.3	265.0	0.0	0.8	28.5	0.0	3.4	0.0
05	78.9	54.7	66.8	3.8	2.6	3.0	375.3	319.7	243.8	138.3	62.4	41.3	9.4	15.9	33.0	82.5	0.1	4.1	31.0	0.0	0.1	0.0
06	89.4	64.8	77.1	3.6	2.5	3.0	662.9	603.2	513.7	366.6	228.7	179.1	0.1	0.3	0.8	3.8	2.3	16.2	30.0	0.0	0.0	0.0
07	94.4	69.4	81.9	3.6	2.4	2.8	833.7	771.8	678.7	523.8	370.6	311.3	0.0	0.0	0.0	0.1	7.9	23.7	31.0	0.0	0.0	0.0
08	92.1	67.4	79.8	3.7	2.6	3.0	767.1	705.2	612.1	457.8	306.7	250.0	0.0	0.0	0.0	0.6	5.3	20.0	31.0	0.0	0.0	0.0
09	84.2	58.9	71.6	3.8	3.6	3.6	499.2	441.7	357.5	229.8	129.2	97.1	2.8	5.3	11.1	33.4	0.8	9.7	29.9	0.0	0.0	0.0
10	71.2	46.4	58.8	3.7	2.6	3.0	191.3	152.6	104.2	46.4	16.0	9.7	73.5	96.8	141.3	238.7	0.0	1.4	29.8	0.0	2.7	0.0
11	57.1	34.1	45.6	5.4	3.8	4.3	29.5	20.4	10.8	2.7	0.3	0.1	311.5	362.4	442.8	584.7	0.0	0.0	22.4	0.7	13.1	0.0
12	45.4	24.5	35.0	4.5	3.8	3.8	1.2	0.6	0.3	0.0	0.0	0.0	622.5	683.9	776.6	931.3	0.0	0.0	12.7	4.3	25.0	0.5
Summary	69.5	45.6	57.5	4.4	3.3	3.6	3566	3171	2619	1803	1124	893	2604	2939	3482	4491	16.4	75.9	295.2	16.0	105.7	1.9

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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	0.86	3.9	2.7	0.5	0.1	0.50	0.73	1.12
02	1.43	4.0	3.0	0.9	0.5	0.72	1.19	1.99
03	2.23	6.6	4.7	1.6	0.5	1.21	2.23	2.97
04	3.26	7.6	5.8	2.3	0.9	2.30	2.81	3.60
05	5.20	10.2	7.7	3.4	1.7	2.57	3.97	6.63
06	4.18	8.2	5.9	2.8	1.2	2.98	4.01	5.21
07	4.75	8.5	6.3	3.4	1.6	2.10	4.02	6.58
08	4.27	8.1	6.1	2.6	1.5	2.68	4.07	5.35
09	2.54	5.9	4.4	1.7	0.8	1.59	2.15	3.43
10	2.47	6.4	4.3	2.0	0.6	1.01	2.34	3.59
11	1.59	4.5	3.3	0.8	0.4	0.50	1.15	2.07
12	1.50	4.3	3.0	1.0	0.4	0.41	1.15	2.49
Summary	34.28	78.2	57.2	23.0	10.2	18.57	29.82	45.03

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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	4.10	2.4	1.6	0.4	0.2	0.0					2.30	3.00	5.40
02	2.80	1.4	1.0	0.4	0.1	0.0					0.00	1.00	4.40
03	1.70	0.8	0.5	0.2	0.1	0.0					0.00	0.50	1.90
04	0.20	0.1	0.1	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	0.20	0.2	0.1	0.0	0.0	0.0					0.00	0.00	0.00
11	1.00	0.6	0.4	0.1	0.0	0.0					0.00	0.00	0.20
12	2.20	1.9	1.4	0.5	0.1	0.0					0.00	1.10	4.00
Summary	12.2	7.4	5.1	1.6	0.5	0.0	0.0	0.0	0.0	0.0	2.3	5.6	15.9

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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	40.8	87.7	280.6	521.3	830.9	1112.7	1298.6	1232.0	946.3	588.0	226.0	53.6
45	12.5	43.5	176.2	381.7	676.0	962.8	1143.7	1077.1	796.4	441.4	133.4	19.0
50	2.1	18.0	98.2	255.8	522.7	812.9	988.8	922.2	646.9	306.0	67.8	5.5
55	0.1	5.9	47.5	151.9	375.3	662.9	833.7	767.1	499.2	191.3	29.5	1.2
60	0.0	1.5	19.8	76.4	243.8	513.7	678.7	612.1	357.5	104.2	10.8	0.3
Growing Degree Units for Corn (Monthly)												
50/86	37.4	71.0	189.5	324.1	529.2	739.2	851.1	813.2	615.1	368.0	145.6	42.3

Growing Degree Units (Accumulated Monthly)

40	41	128	409	930	1761	2874	4173	5405	6351	6939	7165	7219
45	12	56	232	614	1290	2253	3396	4474	5270	5711	5845	5864
50	2	20	118	374	897	1710	2698	3621	4268	4574	4641	4647
55	0	6	54	205	581	1244	2077	2844	3344	3535	3564	3566
60	0	2	21	98	342	855	1534	2146	2504	2608	2618	2619
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	37	108	298	622	1151	1890	2742	3555	4170	4538	4683	4726

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

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