

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

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

Station: ABILENE, KS US USC00140010

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	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

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Summary of Monthly Normals
1991-2020
Generated on 05/23/2024

Current Location: Elev: 1187 ft. Lat: 38.9267° N Lon: 97.2128° W
Station: **ABILENE, KS US USC00140010**

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

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1187 ft. Lat: 38.9267° N Lon: 97.2128° W
Station: ABILENE, KS US USC00140010

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

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1187 ft. Lat: 38.9267° N Lon: 97.2128° W
Station: **ABILENE, KS US USC00140010**

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.
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.