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Weather Information for Tribune, KS 2023

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Weather Information for Tribune, KS 2023

A. Burnett

In 2023, annual precipitation of 20.85 inches was recorded, which is 2.41 inches above normal. Seven months had above-normal precipitation. June (5.74 inches) was the wettest month. The largest single amount of precipitation was 2.47 inches on July 21. November, the driest month, recorded 0.07 inches of precipitation.

Snowfall for the year totaled 21.4 inches (0.3 inches below normal); January, February, and December had 12.3, 5.8, and 3.3 inches, respectively. There was a total of 27 days of snow cover, which is two days above normal. The longest consecutive period of snow cover, 18 days, occurred January 19 through February 5.

Record-high temperatures were recorded on 6 days: April 13 (90°F), August 20 (100°F), October 1 and 2 (94 and 93°F), November 8 (86°F), and December 8 (73°F). Historical record-high temperatures were tied on one day: April 12 (85°F). Record-low temperatures were recorded on three days: April 5 (12°F), April 29 (21°F), and October 30 (5°F). Historical record-low temperatures were tied on one day: April 20 (20°F). August was the warmest month with a mean temperature of 73.5°F. The hottest day of the year (103°F) occurred on August 19. The coldest day of the year (-10°F) occurred on January 31. January was the coldest month with a mean temperature of 26.7°F.

Mean air temperature was below normal for eight months. December had the greatest departure above normal (1.8°F), and March had the greatest departure below normal (-6.6°F). Temperatures were 100°F or higher on eight days, which is three days below normal. Temperatures were 90°F or higher on 42 days, which is 20 days below normal. The latest spring freeze was May 1, which is three days earlier than normal; the earliest fall freeze fell on October 7, which is normal. This produced a frost-free period of 159 days, which is three days greater than the normal of 156 days.

Open-pan evaporation from April through September totaled 62.83 inches, which is 7.44 inches below normal. Wind speed for this period averaged 3.3 mph, which is 1.7 mph less than normal.

Table 1. Weather data, Southwest Research-Extension Center, Tribune, KS, 2023

Month	Precipitation		Temperature						Wind		Evaporation	
			2023 Average		Normal		2023 Extreme					
	2023	Normal	Max	Min	Max	Min	Max	Min	2023	Normal	2023	Normal
	----- inches -----		----- °F -----						----- mph -----		----- inches -----	
January	1.41	0.43	40.9	12.5	44.2	16.1	63	-10	---	---	---	---
February	0.90	0.54	43.7	11.7	47.2	18.7	74	-8	---	---	---	---
March	0.17	0.99	51.6	18.6	56.9	26.5	80	4	---	---	---	---
April	0.97	1.66	67.2	29.8	64.9	34.6	90	12	5.0	5.6	10.41	8.06
May	3.69	2.23	75.4	46.1	74.6	46.0	90	32	4.0	5.2	10.31	11.73
June	5.74	2.77	79.3	52.2	86.2	56.6	91	45	3.3	5.2	9.75	14.27
July	4.04	3.14	87.3	58.4	91.4	61.7	101	46	2.8	4.8	10.86	15.11
August	1.10	2.87	90.5	56.5	88.2	59.8	103	48	2.7	4.3	12.07	11.67
September	1.22	1.13	86.0	48.3	81.4	50.8	101	39	2.2	4.7	9.43	9.43
October	0.45	1.59	70.8	32.8	68.3	36.7	94	5	2.8*	4.2*	5.72*	6.01*
November	0.07	0.53	59.3	22.3	54.7	25.6	86	10	---	---	---	---
December	1.09	0.56	47.2	18.4	44.8	17.2	73	9	---	---	---	---
Annual	20.85	18.44	66.7	34.1	66.9	37.5	103	-10	3.3	5.0	62.83	70.27
			Normal		2023							
Latest freeze (32°F) in spring:			May 4		May 1							
Earliest freeze (32°F) in fall:			October 7		October 7							
Frost-free (>32°F) period:			156 days		159 days							

Normal for precipitation and temperature is 30-year average (1991-2020) from National Weather Service.

Normal for latest freeze, earliest freeze, wind, and evaporation is 30-year average (1991-2020) from Tribune weather data.

* Normal for October wind and evaporation is 20-year average (2001-2020) from Tribune weather data; October **NOT** included in annual totals.