

## **Weather Information, Tribune, KS 2024**

*Amanda Burnett*

In 2024, annual precipitation of 20.87 inches was recorded, which is 2.43 inches above normal. Five months had above-normal precipitation. May (4.87 inches) was the wettest month. The largest single amount of precipitation was 1.63 inches on August 23. December, the driest month, recorded 0.00 inch of precipitation.

Snowfall for the year totaled 12.8 inches (8.9 inches below normal); January, February, and March had 9.1, 3.1, and 0.6 inches, respectively. There was a total of 22 days of snow cover, which is three days below normal. The longest consecutive period of snow cover, 18 days, occurred January 5 to January 22.

Record-high temperatures were recorded on two days: March 3 (80°F), and October 6 (97°F). Historical record-high temperatures were tied on one day: October 11 (90°F). Record-low temperatures were recorded on two days: January 14 (-17°F), and August 9 (50°F). Historical record-low temperatures were tied on one day: August 10 (49°F). June was the warmest month with a mean temperature of 73.2°F. The hottest day of the year (105°F) occurred on July 14. The coldest day of the year (-18°F) occurred on January 16. January was the coldest month with a mean temperature of 23.7°F.

Mean air temperature was below normal for six months. February had the greatest departure above normal (4.6°F), and January had the greatest departure below normal (-6.5°F). Temperatures were 100°F or higher on nine days, which is four days below normal. Temperatures were 90°F or higher on 62 days, which is four days below normal. The latest spring freeze was April 22, which is 12 days earlier than normal; the earliest fall freeze fell on October 14, which is seven days later than normal. This produced a frost-free period of 175 days, which is 19 days greater than the normal 156 days.

Open-pan evaporation from April through September totaled 67.81 inches, which is 2.46 inches below normal. Wind speed for this period averaged 4.1 mph, which is 0.9 mph less than normal.

**Table 1. Weather data, Southwest Research-Extension Center, Tribune, KS, 2024.**

Month	Precipitation		Temperature						Wind		Evaporation	
	2024	Normal	2024 Average		Normal		2024 Extreme		2024	Normal	2024	Normal
	in.		Max	Min	Max	Min	Max	Min	mph		in.	
----- °F -----												
January	0.98	0.43	37.9	9.5	44.2	16.1	65	-18	---	---	---	---
February	0.61	0.54	54.1	21.2	47.2	18.7	74	5	---	---	---	---
March	0.10	0.99	58.9	20.8	56.9	26.5	80	8	---	---	---	---
April	0.88	1.66	69.7	32.3	64.9	34.6	89	20	4.4	5.6	9.55	8.06
May	4.87	2.23	75.2	42.6	74.6	46.0	88	33	4.3	5.2	11.77	11.73
June	2.28	2.77	89.3	57.0	86.2	56.6	101	47	4.9	5.2	13.51	14.27
July	2.79	3.14	87.2	56.8	91.4	61.7	105	50	3.2	4.8	12.14	15.11
August	3.51	2.87	88.8	56.9	88.2	59.8	103	48	3.5	4.3	10.53	11.67
September	0.60	1.13	85.2	48.1	81.4	50.8	95	38	4.0	4.7	10.31	9.43
October	1.09	1.59	76.6	35.2	68.3	36.7	97	10	4.2*	4.2*	7.84*	6.01*
November	3.16	0.53	54.8	23.9	54.7	25.6	70	8	---	---	---	---
December	0.00	0.56	52.5	16.5	44.8	17.2	68	5	---	---	---	---
ANNUAL	20.87	18.44	69.2	35.1	66.9	37.5	105	-18	4.1	5.0	67.81	70.27
Normal latest freeze (32°F) in spring:				May 4		2024		April 22				
Normal earliest freeze (32°F) in fall:				October 7		2024		October 14				
Normal frost-free (>32 °F) period:				156 days		2024		175 days				

Normal for precipitation, snowfall, 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.