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Weather Information for Tribune

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Weather Information for Tribune

Abstract

Summary of weather for research conducted at the Tribune field location.

Keywords

Tribune weather, 2018 weather, southwest Kansas weather report

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Weather Information for Tribune

D. Bond and J. Slattery

In 2017, annual precipitation of 23.45 in. was recorded, which is 5.55 in. above normal. Only five months had above-normal precipitation. May (5.00 in.) was the wettest month, while both April and July recorded greater than 4 in. of precipitation. The largest single amount of precipitation was 2.10 in. on April 30. November and December were the driest months with only a recorded trace of precipitation.

Snowfall for the year totaled 24.7 in.; January, April, and May had 2.7, 16.0, and 6.0 in., respectively, for a total of 9 days of snow cover. The longest consecutive periods of snow cover, 4 days, occurred January 5–8 and April 29–May 2.

Record-high temperatures were recorded on 6 days: February 22 (79°F); March 20 (91°F), 21 (87°F), and 24 (89°F); and November 18 (80°F) and 28 (84°F). A record-high temperature was tied on November 15 (80°F). No record-low temperatures were recorded. A record-low temperature was tied on May 24 (33°F). July was the warmest month with a mean temperature of 76.5°F. The hottest day of the year (103°F) occurred on June 22. The coldest day of the year (-8°F) occurred on January 7. January was the coldest month with a mean temperature of 30.4°F.

Mean air temperature was above normal for 9 months. February had the greatest departure above normal (7.3°F), and August had the greatest departure below normal (-4.6°F). Temperatures were 100°F or higher on 6 days, which is 5 days below normal. Temperatures were 90°F or higher on 52 days, which is 11 days below normal. The latest spring freeze was May 4, which is 2 days earlier than normal; the earliest fall freeze fell on October 10, which is 3 days later than normal. This produced a frost-free period of 159 days, which is 5 days more than the normal of 154 days.

Open-pan evaporation from April through September totaled 59.58 in., which is 11.82 in. below normal. Wind speed for this period averaged 4.1 mph, which is 1.2 mph less than normal.

The 2017 weather information for Tribune is summarized in Table 1.

Table 1. Climatic data, Southwest Research-Extension Center, Tribune, Kansas

Month	Precipitation		Monthly average temperatures						Wind		Evaporation	
	2017	Normal	2017		Normal		2017 extreme		2017	Normal	2017	Normal
			Max	Min	Max	Min	Max	Min				
	----- in. -----		----- °F -----						----- MPH -----		----- in. -----	
January	0.80	0.49	43.3	17.5	44.0	16.2	68	-8	---	---	---	---
February	0.06	0.52	58.2	23.4	47.5	19.4	79	7	---	---	---	---
March	1.21	1.22	65.3	27.1	56.3	26.8	91	11	---	---	---	---
April	4.67	1.45	66.3	37.3	65.7	34.9	90	26	5.3	6.0	7.13	8.27
May	5.00	2.38	72.7	43.1	75.1	46.4	93	27	4.5	5.6	8.86	11.75
June	2.46	2.94	89.3	56.2	85.7	56.6	103	49	4.0	5.2	12.54	14.04
July	4.53	2.85	91.5	61.5	91.8	61.7	102	48	3.6	5.2	12.54	15.58
August	1.66	2.33	84.5	56.0	89.4	60.4	95	49	3.4	4.7	9.21	12.16
September	2.70	1.18	82.6	50.4	81.5	50.6	98	41	3.9	5.0	9.30	9.60
October	0.36	1.49	70.6	37.4	68.9	37.1	88	19	4.2*	4.5*	5.92*	6.09*
November	T	0.55	60.5	28.6	54.9	25.7	84	17	---	---	---	---
December	T	0.50	48.0	14.8	44.7	17.0	69	-5	---	---	---	---
ANNUAL	23.45	17.90	69.4	37.8	67.1	37.7	103	-8	4.1	5.3	59.58	71.40

Max = maximum.

Min = minimum.

Normal latest freeze (32°F) in spring: May 6. In 2017: May 4.

Normal earliest freeze (32°F) in fall: October 7. In 2017: October 10.

Normal frost-free (>32°F) period: 154 days. In 2017: 159 days.

Normal for precipitation and temperature is 30-year average (1981–2010) from National Weather Service.

Normal for latest freeze, earliest freeze, wind, and evaporation is 30-year average (1981–2010) from Tribune weather data.

*Normal for October wind and evaporation is 10-year average (2001–2010) from Tribune weather data; October not included in annual totals.

T = trace.