Kansas Agricultural Experiment Station Research Reports

Volume 1
Issue 5 *Southwest Research-Extension Center Reports*

Article 2

January 2015

Weather Information for Tribune

H. D. Bond
Kansas State University, dbond@ksu.edu

R. Mai
Kansas State University, rwmai@ksu.edu

Weather Information for Tribune

Abstract

Tribune, Kansas: In 2014, annual precipitation of 16.31 in. was recorded, which is 1.59 in. below normal. Seven months had below-normal precipitation. June (3.61 in.) was the wettest month. The largest single amount of precipitation was 1.54 in. on July 30.

Keywords

weather, Tribune, Kansas, rain, snowfall, temperatures

Weather Information for Tribune

D. Bond and R. Mai

In 2014, annual precipitation of 16.31 in. was recorded, which is 1.59 in. below normal. Seven months had below-normal precipitation. June (3.61 in.) was the wettest month. The largest single amount of precipitation was 1.54 in. on July 30. In November, the driest month, only 0.21 in. precipitation was recorded.

Snowfall for the year totaled 20.4 in.; January, February, March, November, and December had 6.2, 5.8, 2.7, 1.6, and 3.0 in., respectively, for a total of 30 days of snow cover. The longest consecutive period of snow cover, 6 days, occurred January 5 through 10.

Record-high temperatures were recorded on 3 days: September 4 (101°F) and November 29 (79°F) and 30 (78°F). Record-high temperatures were tied on 3 days: July 8 (105°F), August 20 (100°F), and October 27 (85°F). Record-low temperatures were recorded on April 15 (17°F) and December 31 (-11°F). Record-low temperatures were tied on 5 days: January 6 (-16°F) and 24 (-4°F); March 23 (7°F); September 12 (35°F); and November 13 (-5°F). July was the warmest month, with a mean temperature of 76.1°F. The hottest day of the year (105°F) occurred on July 8. The coldest day of the year (-16°F) was January 6. February was the coldest month, with a mean temperature of 27.6°F.

Mean air temperature was above normal for 7 months. October temperatures showed the greatest departure above normal (3.3°F), and February had the greatest departure below normal (-5.9°F). Temperatures were 100°F or higher on 15 days, which is 4 days above normal. Temperatures were 90°F or higher on 64 days, which is 1 day above normal. The latest spring freeze was May 14, which is 8 days later than normal; the earliest fall freeze was October 4, which is 3 days earlier than normal. This produced a frost-free period of 143 days, which is 11 days less than the normal of 154 days.

Open-pan evaporation from April through September totaled 72.03 in., which is 0.63 in. above normal. Wind speed for this period averaged 5.0 mph, which is 0.3 mph less than normal. The 2014 climate information for Tribune is summarized in Table 1.

Table 1. Climate data, Southwest Research-Extension Center, Tribune, Kansas, 2014.

	Precipitation		Monthly average temperatures						Wind		Evaporation	
			2014		Normal		2014 extreme					
Month	2014	Normal	Max	Min	Max	Min	Max	Min	2014	Normal	2014	Normal
	in.		°F						mph		in.	
January	0.64	0.49	47.6	12.6	44.0	16.2	70	-16	- - -	- - -	- - -	- - -
February	0.49	0.52	40.5	14.6	47.5	19.4	70	-10	- - -	- - -	- - -	- - -
March	0.19	1.22	57.7	22.4	56.3	26.8	78	-10	- - -	- - -	- - -	- - -
April	0.99	1.45	66.9	34.3	65.7	34.9	88	17	6.6	6.0	8.93	8.27
May	0.88	2.38	78.0	44.4	75.1	46.4	95	27	4.6	5.6	12.91	11.75
June	3.61	2.94	87.3	56.4	85.7	56.6	98	41	5.8	5.2	13.62	14.04
July	2.70	2.85	91.2	60.9	91.8	61.7	105	53	4.6	5.2	15.01	15.58
August	2.82	2.33	91.3	60.0	89.4	60.4	101	54	3.3	4.7	12.62	12.16
September	1.33	1.18	82.9	52.3	81.5	50.6	101	35	5.0	5.0	8.94	9.60
October	1.61	1.49	72.5	40.1	68.9	37.1	88	27	3.5*	4.5*	5.74*	6.09*
November	0.21	0.55	55.2	21.9	54.9	25.7	79	-5	- - -	- - -	- - -	- - -
December	0.84	0.50	46.5	19.0	44.7	17.0	67	-11	- - -	- - -	- - -	- - -
Annual	16.31	17.90	68.3	36.7	67.1	37.7	105	-16	5.0	5.3	72.03	71.40

Normal latest freeze (32°F) in spring: May 6. In 2014: May 14.
Normal earliest freeze (32°F) in fall: October 7. In 2014: October 4.
Normal frost-free (>32°F) period: 154 days. In 2014: 143 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.