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Weather Information for Tribune, 2020

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Weather Information for Tribune, 2020

Abstract

Summary of 2020 weather for research conducted at the Tribune Kansas Agricultural Experiment Station field location.

Keywords

Tribune weather, 2020 weather, southwest Kansas weather report

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Weather Information for Tribune, 2020

D. Bond and J. Slattery

In 2020, annual precipitation of 14.62 in. was recorded, which is 3.28 in. below normal for Tribune, KS. Only four months had above-normal precipitation. July (4.29 in.) was the wettest month. The largest single amount of precipitation was 2.65 in. on July 27. November, the driest month, only recorded 0.05 in. of precipitation. In addition, April and October only recorded 0.06 in. and 0.08 in. of precipitation, respectively.

Snowfall for the year totaled 16.0 in. (6.2 in. below normal); January, February, March, October, and December had 3.7, 3.9, 2.0, 1.9, and 4.5 in., respectively. There was a total of 17 days of snow cover, which is eight days below normal. The longest consecutive period of snow cover, 7 days, occurred December 11 through December 17.

Record-high temperatures were recorded on 2 days: February 3 (77°F) and November 4 (84°F). A historical record-high temperature was tied on October 10 (91°F). Record-low temperatures were recorded on 7 days: September 8 (39°F), 9 (30°F), and 10 (31°F); and October 24 (14°F), 26 (9°F), 27 (4°F), and 28 (7°F). Historical record-low temperatures were tied on 2 days: April 14 (12°F) and September 11 (38°F). July was the warmest month with a mean temperature of 75.8°F. The hottest day of the year (102°F) occurred on July 19. The coldest days of the year (-2°F) occurred on January 11 and December 14. February was the coldest month with a mean temperature of 30.5°F.

Mean air temperature was below normal for 7 months. November had the greatest departure above normal (4.1°F), and October had the greatest departure below normal (-4.5°F). Temperatures were 100°F or higher on 6 days, which is 5 days below normal. Temperatures were 90°F or higher on 66 days, which is 3 days above normal. The latest spring freeze was April 18, which is 18 days earlier than normal; the earliest fall freeze fell on September 9, which is 28 days earlier than normal. This produced a frost-free period of 144 days, which is 10 days less than the normal of 154 days.

Open-pan evaporation from April through September totaled 74.19 in., which is 2.79 in. above normal. Wind speed for this period averaged 4.4 mph, which is 0.9 mph less than normal.

The 2020 weather information for Tribune is summarized in Table 1.

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

Month	Precipitation (in.)		Monthly average temperatures (°F)						Wind (MPH)		Evaporation (in.)	
	2020	Normal	2020		Normal		2020 extreme		2020	Normal	2020	Normal
			Max	Min	Max	Min	Max	Min				
January	0.41	0.49	48.9	17.6	44.0	16.2	60	-2	---	---	---	---
February	1.36	0.52	44.5	16.5	47.5	19.4	77	-1	---	---	---	---
March	1.58	1.22	58.6	29.2	56.3	26.8	78	17	---	---	---	---
April	0.06	1.45	66.4	31.0	65.7	34.9	82	12	3.7	6.0	8.70	8.27
May	1.02	2.38	75.1	45.0	75.1	46.4	94	33	4.6	5.6	12.53	11.75
June	2.06	2.94	92.0	57.1	85.7	56.6	101	41	6.4	5.2	18.15	14.04
July	4.29	2.85	90.5	61.0	91.8	61.7	102	54	4.4	5.2	13.64	15.58
August	2.66	2.33	89.7	58.5	89.4	60.4	97	51	3.7	4.7	12.23	12.16
September	0.66	1.18	80.3	46.2	81.5	50.6	100	30	3.5	5.0	8.94	9.60
October	0.08	1.49	66.4	30.7	68.9	37.1	91	4	3.3*	4.5*	5.89*	6.09*
November	0.05	0.55	61.8	27.0	54.9	25.7	84	8	---	---	---	---
December	0.39	0.50	46.2	17.4	44.7	17.0	70	-2	---	---	---	---
Annual	14.62	17.90	68.4	36.5	67.1	37.7	102	-2	4.4	5.3	74.19	71.40

Normal latest freeze (32°F) in spring: May 6. In 2020: April 18.

Normal earliest freeze (32°F) in fall: October 7. In 2020: September 9.

Normal frost-free (>32°F) period: 154 days. In 2020: 144 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 the 10-year average (2001–2010) from Tribune weather data; October not included in annual totals.