

Storm Data and Unusual Weather Phenomena - September 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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TEXAS, South Panhandle

(TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z037) DICKENS, (TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN, (TX-Z042) GARZA

09/01/22 00:00 CST			0	Drought
09/13/22 06:00 CST			0	

By the middle of September, the long term drought improved to severe (D2) drought or better across the entire region. Showers and thunderstorms with heavy rain falling mainly in late August and early September helped rebound the annual rainfall deficit over the area with a good portion of the area showing much above normal rainfall. The rainfall was still less abundant over the extreme southern Texas Panhandle the southwestern South Plains. Most areas have seen rainfall greater than 150 percent of normal with some areas exceeding 300 percent of normal. The much needed rain brought relief to ranching operations where grasses and vegetation are finally starting to grow. In contrast, many farming operations including the vast number of acres dedicated to cotton, the rain came too late. The extreme drought over the summer caused a total failure or near total failure of the crops with limited or no irrigation. Overall yields of all crops for this year's growing season are expected to be down significantly from an average year.

LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]

09/03/22 13:10 CST			0	Thunderstorm Wind (MG 73 kt)
09/03/22 13:17 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Wolfforth measured severe wind gusts from 1310 CST through 1317 CST. A peak wind gust of 84 mph was measured at 1311 CST.

CROSBY COUNTY --- 1.0 SE RALLS [33.67, -101.37]

09/03/22 13:56 CST			0	Thunderstorm Wind (MG 53 kt)
09/03/22 13:57 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Ralls measured severe wind gusts from 1356 CST through 1357 CST. A peak wind gust of 61 mph was measured at 1357 CST.

Early in the morning of the third, an outflow reinforced cold front slipped southward into the region. This surface boundary stalled out across the South Plains and Rolling Plains during the daytime. Warm temperatures by early afternoon allowed convective temperatures to be breached and isolated thunderstorms developed across the central portions of the South Plains. A couple of these isolated thunderstorms produced severe wind gusts including an 84mph wind gust near Wolfforth (Lubbock County).

TERRY COUNTY --- BROWNFIELD [33.18, -102.28]

09/15/22 16:28 CST			0	Hail (1.00 in)
09/15/22 16:28 CST			0	Source: COOP Observer

An NWS cooperative weather observer reported quarter size hail in Brownfield.

TERRY COUNTY --- 2.0 S BROWNFIELD [33.15, -102.28]

09/15/22 16:34 CST			0	Thunderstorm Wind (MG 50 kt)
09/15/22 16:34 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Brownfield measured a wind gust of 58 mph.

LUBBOCK COUNTY --- 6.0 E NEW DEAL [33.73, -101.73]

09/15/22 17:05 CST			0	Thunderstorm Wind (MG 61 kt)
09/15/22 17:05 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near New Deal measured a wind gust of 70 mph.

An upper level short wave moving overhead combined with a surface pressure trough to enhance isolated thunderstorm development across the central and southern South Plains. Although instability values were not very high, they were able to create robust enough updrafts to generate severe size hail as well as severe downburst winds. Brownfield (Terry County) saw brief torrential rainfall along with hail up to quarter size that covered the ground.