

Storm Data and Unusual Weather Phenomena - April 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

TEXAS, South Panhandle

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z037) DICKENS, (TX-Z038) KING, (TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN

04/01/21 00:00 CST	0	Drought
04/30/21 23:00 CST	0	

Drought conditions through April remained nearly the same as March on the South Plains with continued below seasonal average precipitation values. The southeastern Texas Panhandle and much of the Rolling Plains saw minor improvements in drought levels. The only exception was in portions of Dickens and King Counties which saw a reduction to extreme drought (D3) conditions. D3 to exceptional drought (D4) conditions remained on the South Plains. A cool and moist period occurred in the middle of the month from the 13th through the 16th which mitigated drought conditions especially for the Rolling Plains and southeastern Texas Panhandle. A widespread precipitation event occurred in the final few days of April affecting much of the southern South Plains and southern Rolling Plains. Some isolated areas received over two inches of rainfall with the late month event. Very short subsurface soil moisture hampered the beginning of planting season when the area typically sees rainfall from widespread convective events. Fire weather impacts continued to be minimal despite the D4 conditions on the South Plains. A low fuel load and green-up of fuels has mitigated the fire weather impacts.

(TX-Z025) HALL

04/06/21 23:23 CST	0	High Wind (MAX 51 kt)
04/06/21 23:54 CST	0	

A strong cold front moved through the region during the early morning hours of the seventh. Large pressure rises and a strong pressure gradient existed over the extreme southeastern Texas Panhandle generating a few severe wind gusts in Hall County. The Texas Tech University West Texas mesonet site near Lesley (Hall County) measured severe wind gusts from 2323 to 2325 CST on April 6. The site near Memphis (Hall County) measured a wind gust to 59 mph at 2354 CST.

COTTLE COUNTY --- 8.0 ENE CEE VEE [34.26, -100.32]

04/23/21 15:18 CST	0	Hail (1.75 in)
04/23/21 15:18 CST	0	Source: Storm Chaser

A storm chaser reported golf ball size hail near US Highway 62/83 in northern Cottle County.

COTTLE COUNTY --- 2.2 ENE BAKER [34.22, -100.09]

04/23/21 15:49 CST	0	Hail (1.50 in)
04/23/21 15:49 CST	0	Source: Storm Chaser

A storm chaser reported ping pong ball size hail along Farm to Market Road 104 about six miles northeast of Swearingen.

HALL COUNTY --- 3.9 NW TURKEY [34.45, -100.92], 4.0 NNW TURKEY [34.45, -100.91]

04/23/21 16:22 CST	0	Tornado (EFU, L: 0.67 mi , W: 50 yd)
04/23/21 16:28 CST	0	Source: Storm Chaser

The fire department in Turkey observed a tornado over open land just north of Turkey. Additionally, a local storm chaser viewed a tornado on his game camera while hunting. The only damage noted was minor damage to trees and deer blinds.

(TX-Z023) SWISHER

04/23/21 16:25 CST	0	High Wind (MAX 50 kt)
04/23/21 16:25 CST	0	

HALL COUNTY --- 8.2 S ESTELLINE [34.43, -100.43]

04/23/21 17:25 CST	0	Hail (2.00 in)
04/23/21 17:25 CST	0	Source: Emergency Manager

An emergency manager reported hail up to two inches in diameter about eight miles south of Estelline. No damage was reported.

CHILDRESS COUNTY --- 3.0 S TELL [34.33, -100.38]

04/23/21 17:43 CST	0	Hail (1.00 in)
04/23/21 17:43 CST	0	Source: COOP Observer

A NWS cooperative weather observer reported quarter size hail three miles south of Tell. No damage was reported.

Storm Data and Unusual Weather Phenomena - April 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

A trough moving across New Mexico allowed large scale lift to spread over West Texas during the afternoon hours of the 23rd. A sharpening dryline and strengthening surface low in the southeastern Texas Panhandle generated scattered thunderstorms across the extreme southeastern Texas Panhandle. The first round of thunderstorms tracked across Cottle County producing hail up to golf ball size. The second round of thunderstorms produced hail up to two inches in Hall and Childress Counties as well as a brief tornado north of Turkey (Hall County). This tornado was documented by the Turkey Fire Department as well as recorded on a wildlife camera. Farther west, in the dry surface air, virga showers produced a severe wind gust to 58 mph near Tulia (Swisher County) measured by a Texas Tech University West Texas mesonet.



Photograph from inside a tornado near Turkey from a game camera set up by Blake Brown.

KING COUNTY --- 1.1 SW GROW [33.81, -100.34], 1.4 ESE GROW [33.81, -100.30]

04/27/21 14:14 CST	0	Hail (2.75 in)
04/27/21 14:18 CST	0	Source: COOP Observer

A NWS cooperative weather observer as well as numerous storm chasers reported hail up to baseball size near Grow and along US Highway 83 to the north and south of Grow. Many windshields and storm chaser vehicles were damaged.

A broad upper level trough over the western US brought several days of scattered thunderstorms to the region. The first of these storms occurred on the afternoon of the 27th along a diffuse dryline. One storm became especially strong as it tracked across King County. This storm produced hail as large as baseballs near Grow (King County) damaging many storm chaser vehicles. This storm would go on to produce an EF-3 tornado in Knox County, Texas.

DICKENS COUNTY --- SPUR [33.48, -100.85]

04/28/21 16:08 CST	0	Hail (0.75 in)
04/28/21 16:08 CST	0	Source: Law Enforcement

STONEWALL COUNTY --- 1.3 NNW ASPERMONT [33.17, -100.24], 0.2 NE ASPERMONT [33.15, -100.23]

04/28/21 18:19 CST	0	Hail (2.75 in)
04/28/21 18:20 CST	0	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - April 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

Both law enforcement and a storm chaser reported very jagged shaped hail up to baseball size along US Highway 83 to the north of Aspermont. No damage was reported.

Scattered thunderstorms developed over the Rolling Plains on the afternoon of the 28th as an upper level low pressure system continued to be positioned to the southwest of Texas. Strong instability allowed a few storms to become strong to severe. The strongest storm tracked over Stonewall County dropping hail as large as baseball size.