

Storm Data and Unusual Weather Phenomena - June 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South Panhandle				
COCHRAN COUNTY --- 14.6 S WHITEFACE [33.39, -102.61]				
	06/02/19 21:15 CST	0		Thunderstorm Wind (MG 54 kt)
	06/02/19 21:15 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Sundown measured a wind gust to 62 mph.				
Late in the afternoon on the second, thunderstorms developed in eastern New Mexico and moved into the South Plains of West Texas during the evening and overnight hours. One of these storms became severe near Sundown as a Texas Tech University West Texas mesonet site recorded a wind gust to 62 mph.				
CASTRO COUNTY --- 2.0 NE DIMMITT [34.57, -102.30]				
	06/03/19 23:30 CST	0		Thunderstorm Wind (MG 51 kt)
	06/03/19 23:30 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Dimmitt recorded a wind gust to 59 mph.				
Late in the afternoon, thunderstorms developed off of the higher terrain of eastern New Mexico. As these thunderstorms moved into West Texas, they began to weaken, however, one produced a severe wind gust to 59 mph near Dimmitt (Castro County).				
PARMER COUNTY --- 2.0 NE FRIONA [34.65, -102.71]				
	06/05/19 16:00 CST	0		Thunderstorm Wind (MG 59 kt)
	06/05/19 16:05 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Friona measured a peak wind gust of 68 mph.				
HOCKLEY COUNTY --- LEVELLAND [33.58, -102.37]				
	06/05/19 16:40 CST	0		Hail (0.75 in)
	06/05/19 16:40 CST	0		Source: COOP Observer
HOCKLEY COUNTY --- 6.0 SSW ANTON [33.74, -102.21]				
	06/05/19 16:45 CST	0		Thunderstorm Wind (MG 51 kt)
	06/05/19 16:45 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Anton measured a wind gust to 59 mph.				
LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]				
	06/05/19 17:10 CST	0		Thunderstorm Wind (MG 53 kt)
	06/05/19 17:15 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Wolfforth measured a peak wind gust of 61 mph.				
LUBBOCK COUNTY --- (LBB)LUBBOCK INTL AR [33.67, -101.82], 2.0 N NEW DEAL [33.76, -101.83]				
	06/05/19 17:23 CST	1K		Thunderstorm Wind (MG 41 kt)
	06/05/19 17:23 CST	0		Source: Law Enforcement
Strong outflow boundary winds ahead of a thunderstorm complex produced a widespread haboob in Lubbock County. At 1723 CST, law enforcement reported near zero visibility along Interstate 27 north of New Deal. Also, the contract weather observer at Lubbock International Airport reported one-quarter mile visibility at the same time.				
HALE COUNTY --- 1.0 S PLAINVIEW [34.19, -101.70]				
	06/05/19 17:35 CST	0		Thunderstorm Wind (MG 50 kt)
	06/05/19 17:35 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Plainview measured a wind gust to 58 mph.				
FLOYD COUNTY --- 2.0 NNE FLOYDADA [34.01, -101.32]				
	06/05/19 18:05 CST	0		Thunderstorm Wind (MG 52 kt)
	06/05/19 18:15 CST	0		Source: Mesonet

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A Texas Tech University West Texas mesonet site near Floydada measured a peak wind gust to 60 mph.

FLOYD COUNTY --- 9.0 SE FLOYDADA [33.89, -101.22]

	06/05/19 18:25 CST		0	Hail (1.00 in)
	06/05/19 18:25 CST		0	Source: COOP Observer

An NWS cooperative weather observer reported quarter size hail. No damage was reported.

MOTLEY COUNTY --- 2.0 E FLOMOT [34.22, -100.94]

	06/05/19 18:40 CST		0	Thunderstorm Wind (EG 52 kt)
	06/05/19 18:40 CST		0	Source: COOP Observer

An NWS cooperative weather observer reported wind damage to his cotton crop.

BRISCOE COUNTY --- 3.1 NNW QUITAQUE [34.41, -101.07]

	06/05/19 18:44 CST		0	Thunderstorm Wind (MG 53 kt)
	06/05/19 18:45 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site at Caprock Canyons State Park measured a peak wind gust to 61 mph.

CHILDRESS COUNTY --- (CDS)CHILDRESS ARPT [34.43, -100.30]

	06/05/19 19:34 CST		0	Thunderstorm Wind (MG 55 kt)
	06/05/19 19:34 CST		0	Source: ASOS

The Automated Surface Observing System at Childress Municipal Airport measured a wind gust to 63 mph.

A lingering storm system across the Desert Southwest was the primary instigator for this activity. As the storm system finally moved closer, it fueled a final and dramatic round of thunderstorms that raced across the South Plains and Rolling Plains on the evening of the fifth. The thunderstorms initially developed across eastern New Mexico and the northwest South Plains. These storms quickly evolved into a broken line as they raced eastward across the southern Texas Panhandle, South Plains and Rolling Plains. Strong winds pushed out ahead of the line of storms. A wall of wind and dust, in the form of a haboob, rolled across the central and eastern South Plains and off the Caprock. The visibility dropped to near zero in spots as the haboob moved through north-central Lubbock County, which created dangerous travel. Several dust storm warnings were issued in addition to severe thunderstorm warnings.

FLOYD COUNTY --- 3.3 NNE DOUGHERTY [33.97, -101.06]

	06/14/19 20:50 CST		0	Hail (2.00 in)
	06/14/19 20:50 CST		0	Source: Public

Local broadcast media relayed a picture of two inch diameter hail along US Highway 62/70 near Dougherty. No damage was reported.

Despite a mid-level ridge overhead today, one isolated storm was able to form in a very unstable atmosphere. Very warm temperatures east of a dryline were able to break a strong cap. Thunderstorms developed that produced hail up to two inches in diameter.

BAILEY COUNTY --- MULESHOE [34.22, -102.73]

	06/15/19 14:50 CST		0	Hail (0.75 in)
	06/15/19 14:50 CST		0	Source: Law Enforcement

LAMB COUNTY --- OLTON [34.18, -102.13]

	06/15/19 15:30 CST		0	Hail (0.88 in)
	06/15/19 15:30 CST		0	Source: COOP Observer

CASTRO COUNTY --- 3.0 S SUMMERFIELD [34.69, -102.50]

	06/15/19 16:20 CST		0	Tornado (EFU, L: 0.01 mi , W: 10 yd)
	06/15/19 16:20 CST		0	Source: Trained Spotter

The NSSL-TORUS experiment reported a brief tornado approximately three miles south of Summerfield.

CASTRO COUNTY --- SUMMERFIELD [34.73, -102.50], 5.0 E SUMMERFIELD [34.73, -102.41]

	06/15/19 16:20 CST		0	Hail (1.75 in)
	06/15/19 16:26 CST		0	Source: Trained Spotter

Several reports were received of hail up to golf ball size in Summerfield through five miles east of Summerfield.

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HALE COUNTY --- PLAINVIEW [34.20, -101.70]				
	06/15/19 16:34 CST		0	Hail (1.00 in)
	06/15/19 16:34 CST		0	Source: Storm Chaser

A storm chaser reported quarter size hail in Plainview.

FLOYD COUNTY --- FLOYDADA [33.98, -101.33]				
	06/15/19 17:49 CST		0	Hail (1.25 in)
	06/15/19 17:49 CST		0	Source: Law Enforcement

Law enforcement in Floydada reported half dollar size hail.

MOTLEY COUNTY --- 1.0 S NORTHFIELD [34.27, -100.60], 1.0 N NORTHFIELD [34.29, -100.60]				
	06/15/19 18:40 CST		1K	Thunderstorm Wind (MG 71 kt)
	06/15/19 18:40 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Northfield measured a wind gust to 82 mph. Additionally, an NWS cooperative weather observer near Northfield reported several trees blown down.

CHILDRESS COUNTY --- (CDS)CHILDRESS ARPT [34.43, -100.30], 5.0 N CHILDRESS [34.49, -100.20]				
	06/15/19 19:00 CST		50K	Thunderstorm Wind (MG 76 kt)
	06/15/19 19:11 CST		0	Source: Trained Spotter

Substantial wind damage occurred in and around Childress due to severe thunderstorm winds. At 1901 CST, the Automated Surface Observing System at the Childress Municipal Airport recorded a wind gust to 81 mph. Ten minutes later at 1911 CST, a trained spotter reported a wind gust to 87 mph five miles north of Childress on US Highway 83/62. In the city of Childress, a tractor trailer was blown over in a parking lot. Considerable damage came from the partial destruction of the Veteran's Memorial Wall in Childress as a large tree was blown over on the structure.

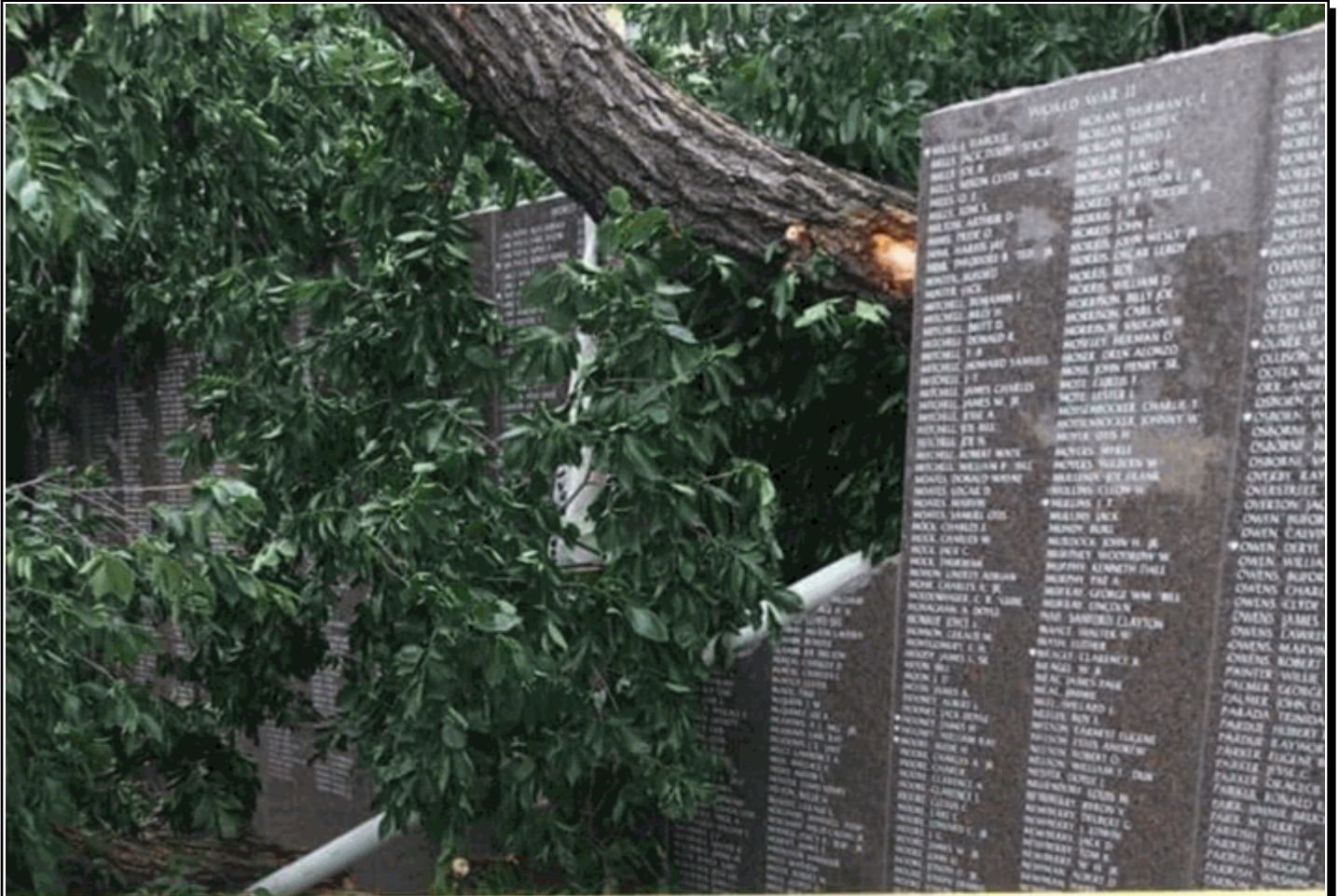
GARZA COUNTY --- 5.6 ENE JUSTICEBURG [33.06, -101.11]				
	06/15/19 20:24 CST		0	Hail (1.00 in)
	06/15/19 20:24 CST		0	Source: Social Media

A picture posted to social media showed quarter size hail at Lake Alan Henry.

A hot lower level atmosphere combined with an approaching short wave aloft to create robust convection on the afternoon of the 15th into the evening as the event transitioned off the Caprock. Convection began in the mid-afternoon in the extreme southwestern Texas Panhandle and produced severe hail and a brief tornado. As thunderstorms moved off the Caprock during the evening, the most intense storms occurred producing significant winds and damage in and around Childress (Childress County). Wind gusts up to 87 mph were measured near Childress. In addition, part of the Veteran's Memorial Wall in Childress was destroyed by a tree that blew over on the wall.

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SHERIFF'S LINE DO NOT CROSS



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The Veteran's Memorial Wall in the city of Childress was partially destroyed as a large tree fell on the wall. Photograph taken by Farrah Holcomb.

BAILEY COUNTY --- 5.0 S MULESHOE [34.15, -102.73]

06/17/19 17:11 CST	0		Hail (1.50 in)
06/17/19 17:11 CST	0		Source: Storm Chaser

A storm chaser reported ping pong size hail south of Muleshoe on State Highway 214.

CASTRO COUNTY --- 2.0 NE DIMMITT [34.57, -102.30]

06/17/19 19:15 CST	0		Thunderstorm Wind (MG 52 kt)
06/17/19 19:15 CST	0		Source: Mesonet

A Texas Tech University West Texas mesonet site near Dimmitt measured a wind gust to 60 mph.

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

06/17/19 19:35 CST	0		Thunderstorm Wind (MG 59 kt)
06/17/19 19:40 CST	0		Source: Mesonet

From 1935 to 1940 CST, a Texas Tech University West Texas mesonet site near Brownfield reported severe thunderstorm winds. A peak wind gust measured 68 mph.

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

06/17/19 20:05 CST	0		Thunderstorm Wind (MG 56 kt)
06/17/19 20:25 CST	0		Source: Mesonet

For a period of 20 minutes from 2005 to 2025 CST, a Texas Tech University West Texas mesonet site near Wolfforth reported severe wind gusts. A peak wind gust to 64 mph was recorded.

HALE COUNTY --- (PVW)HALE CO ARPT [34.17, -101.72]

06/17/19 21:34 CST	0		Thunderstorm Wind (MG 57 kt)
06/17/19 21:34 CST	0		Source: AWOS

The AWOS at the Hale County Airport in Plainview recorded a wind gust to 66 mph.

A weak short wave trough moving over the 4 Corners region combined with strong instability to break a weak cap. Thunderstorms initially developed in eastern New Mexico and moved into the South Plains of West Texas early in the evening. Thunderstorms initially produced large hail near Muleshoe (Bailey County) but transitioned into a strong wind threat for the remainder of the evening.

HALE COUNTY --- 5.0 ENE ABERNATHY [33.86, -101.77]

06/18/19 19:05 CST	0		Thunderstorm Wind (MG 50 kt)
06/18/19 19:05 CST	0		Source: Mesonet

A Texas Tech University West Texas mesonet station measured a wind gust to 58 mph near Abernathy.

LUBBOCK COUNTY --- SHALLOWATER [33.68, -101.98]

06/18/19 19:20 CST	0		Hail (1.50 in)
06/18/19 19:25 CST	0		Source: NWS Employee

An off duty NWS employee reported ping pong ball size hail in Shallowater.

LUBBOCK COUNTY --- (LBB)LUBBOCK INTL AR [33.67, -101.82]

06/18/19 19:48 CST	0		Hail (1.50 in)
06/18/19 19:48 CST	0		Source: Official NWS Observations

A contract weather observer at Lubbock Preston Smith International Airport reported ping pong ball size hail.

CROSBY COUNTY --- 7.5 SSE CROSBYTON MUNI ARPT [33.53, -101.17]

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	06/18/19 20:15 CST		0	Thunderstorm Wind (MG 55 kt)
	06/18/19 20:15 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near White River Lake measured a wind gust to 63 mph.				
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MOTLEY COUNTY --- 3.0 N ROARING SPGS [33.94, -100.85]				
	06/18/19 20:38 CST		0	Thunderstorm Wind (MG 53 kt)
	06/18/19 20:38 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Roaring Springs measured a wind gust to 61 mph.				
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COTTLE COUNTY --- 2.0 SSE HACKBERRY [33.90, -100.14]				
	06/18/19 21:17 CST		0	Thunderstorm Wind (MG 53 kt)
	06/18/19 21:17 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Hackberry recorded a wind gust to 61 mph.				
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KENT COUNTY --- GIRARD [33.35, -100.67]				
	06/18/19 21:20 CST		0	Thunderstorm Wind (EG 52 kt)
	06/18/19 21:20 CST		0	Source: Law Enforcement
Law enforcement in Kent County estimated a wind gust to 60 mph in Girard.				
<p>For the second day in a row, a capping inversion was able to be broken and as a result, severe thunderstorms developed. Similar to the previous day, thunderstorms initially began with mostly a large hail threat, then transitioned to a severe wind threat later in the evening off the Caprock.</p>				
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(TX-Z034) HOCKLEY				
	06/20/19 15:10 CST		0	High Wind (MAX 53 kt)
	06/20/19 15:10 CST		0	
A decaying rain shower produced severe downburst winds near Anton (Hockley County). The Texas Tech University West Texas mesonet site near Anton measured a wind gust to 61 mph.				
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GARZA COUNTY --- 5.0 SSW GRAHAM CHAPEL [33.08, -101.50]				
	06/21/19 19:10 CST		0	Thunderstorm Wind (MG 59 kt)
	06/21/19 19:20 CST		0	Source: Local Official
A Texas Tech University West Texas mesonet site near Graham measured a wind gust to 68 mph.				
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GARZA COUNTY --- 2.0 ENE JUSTICEBURG [33.04, -101.17]				
	06/21/19 19:16 CST		0	Hail (1.75 in)
	06/21/19 19:16 CST		0	Source: Trained Spotter
A trained spotter reported golf ball size hail near Lake Alan Henry. No damage was reported.				
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GARZA COUNTY --- 1.0 NE POST [33.19, -101.37]				
	06/21/19 19:25 CST		0	Thunderstorm Wind (MG 56 kt)
	06/21/19 19:30 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Post measured a wind gust to 64 mph.				
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COTTLE COUNTY --- 2.0 SSE HACKBERRY [33.90, -100.14]				
	06/21/19 22:11 CST		0	Thunderstorm Wind (MG 50 kt)
	06/21/19 22:12 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Hackberry measured a wind gust to 58 mph.				
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STONEWALL COUNTY --- 3.0 NE ASPERMONT [33.18, -100.19]				
	06/21/19 22:25 CST		0	Thunderstorm Wind (MG 50 kt)
	06/21/19 22:25 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Aspermont measured a wind gust to 58 mph.				

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On the afternoon of the 21st, a dryline mixed to the edge of the Caprock with a weak short wave trough moving overhead. Very hot temperatures easily allowed a cap to break but with convective cloud bases around 10,000 ft. The high cloud bases contributed to the greater amount of severe thunderstorm wind reports than severe hail reports.

LYNN COUNTY --- 6.2 WSW SKEEN [33.09, -101.88]

	06/24/19 17:25 CST	0	Hail (2.75 in)
	06/24/19 17:25 CST	0	Source: Emergency Manager

An emergency manager in Lynn County reported baseball size hail. No damage was reported.

LUBBOCK COUNTY --- 7.0 SW LUBBOCK [33.51, -101.94], LUBBOCK INTL ARPT [33.67, -101.82]

	06/24/19 17:50 CST	0	Hail (1.75 in)
	06/24/19 18:32 CST	0	Source: NWS Employee

Numerous reports were received of hail up to golf ball size in the city of Lubbock. The reports in the city of Lubbock were from one of many severe thunderstorms that developed in Lubbock County. Several severe thunderstorms developed off of the outflow of the initial thunderstorm in southwestern Lubbock County. Additionally, a large tree branch was broken off of a tree in the parking lot of the NWS office.

LYNN COUNTY --- TAHOKA [33.18, -101.78]

	06/24/19 17:53 CST	0	Hail (1.75 in)
	06/24/19 17:53 CST	0	Source: Trained Spotter

A spotter in Tahoka reported hail up to golf ball size. No damage was reported.

LUBBOCK COUNTY --- 3.9 N POSEY [33.54, -101.71]

	06/24/19 18:35 CST	0	Hail (1.50 in)
	06/24/19 18:35 CST	0	Source: Trained Spotter

A trained spotter reported ping pong ball size hail at Buffalo Springs Lake. This hail was from one of several severe thunderstorms that developed off of the outflow of the initial thunderstorm in southwestern Lubbock County.

LUBBOCK COUNTY --- SLATON MUNI ARPT [33.48, -101.67]

	06/24/19 18:39 CST	0	Hail (2.75 in)
	06/24/19 18:39 CST	0	Source: Trained Spotter

A spotter at the Slaton Municipal Airport reported baseball size hail. This hail was from one of several severe thunderstorms that developed off of the outflow of the initial thunderstorm in southwestern Lubbock County.

LUBBOCK COUNTY --- 4.9 N SLIDE [33.49, -101.90], 3.0 NW WOODROW [33.48, -101.86]

	06/24/19 18:45 CST	0	Hail (1.75 in)
	06/24/19 18:45 CST	0	Source: NWS Employee

Hail up to the size of golf balls were reported on the south side of the city of Lubbock. This hail was from one of several severe thunderstorms that developed off of the outflow of the initial thunderstorm in southwestern Lubbock County.

LUBBOCK COUNTY --- NEW DEAL [33.73, -101.83], 7.0 E NEW DEAL [33.73, -101.71]

	06/24/19 18:50 CST	0	Hail (3.00 in)
	06/24/19 18:59 CST	0	Source: Social Media

A picture posted to social media depicted hail up to the size of baseballs at 1850 CST in New Deal. At 1859 CST, three inch hail was reported seven miles east of New Deal by a trained spotter. This hail was from one of several severe thunderstorms that developed off of the outflow of the initial thunderstorm in southwestern Lubbock County.

HALE COUNTY --- 5.6 NNW PETERSBURG [33.95, -101.63]

	06/24/19 19:29 CST	1M	Thunderstorm Wind (EG 70 kt)
	06/24/19 19:29 CST	0	Source: Utility Company

Substantial damage occurred to a wind turbine near the intersection of Farm to Market Road 37 and County Road BB in Hale County. A wind turbine was completely destroyed as strong outflow winds moved through. This wind turbine had installation completed only one month prior to its destruction.

HALE COUNTY --- PETERSBURG [33.87, -101.60]

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	06/24/19 19:30 CST		0	Hail (2.75 in)
	06/24/19 19:30 CST		0	Source: Law Enforcement

Law enforcement in Petersburg reported baseball size hail. No damage was reported.

The evening of the 24th saw very large hail in Lubbock and Lynn Counties as well as a wind turbine completely destroyed near Petersburg (Hale County). Low level moisture streamed into the region early in the morning with low stratus covering the region. However, this low stratus deck burned off quickly which lead to rapid destabilization of the atmosphere. By late in the afternoon, surface based CAPE was analyzed at values between 4000 and 5000 Joules per kg. Despite very little deep layer shear available in the atmosphere, large hail still developed with the substantial amount of instability. Isolated thunderstorms initially developed over the Permian Basin with one of these storms moving northeast into Lynn County. The first storm in Lynn County produced baseball size hail. While baseball size hail was dropping in Tahoka (Lynn County), an isolated thunderstorm rapidly developed over southwestern Lubbock County. This initial thunderstorm moved to the northeast producing hail up to golf ball size. Additional thunderstorms developed along the outflow of this initial thunderstorm. One of these storms moved from the south part of the city of Lubbock to Slaton producing baseball size hail. Another storm developed near New Deal (Lubbock County) and moved northeast into southeastern Hale County. This storm produced hail up to three inches in diameter east of New Deal. However, the most incredible damage from this storm occurred near Petersburg in Hale County. A newly installed wind turbine was completely destroyed by severe thunderstorm winds.

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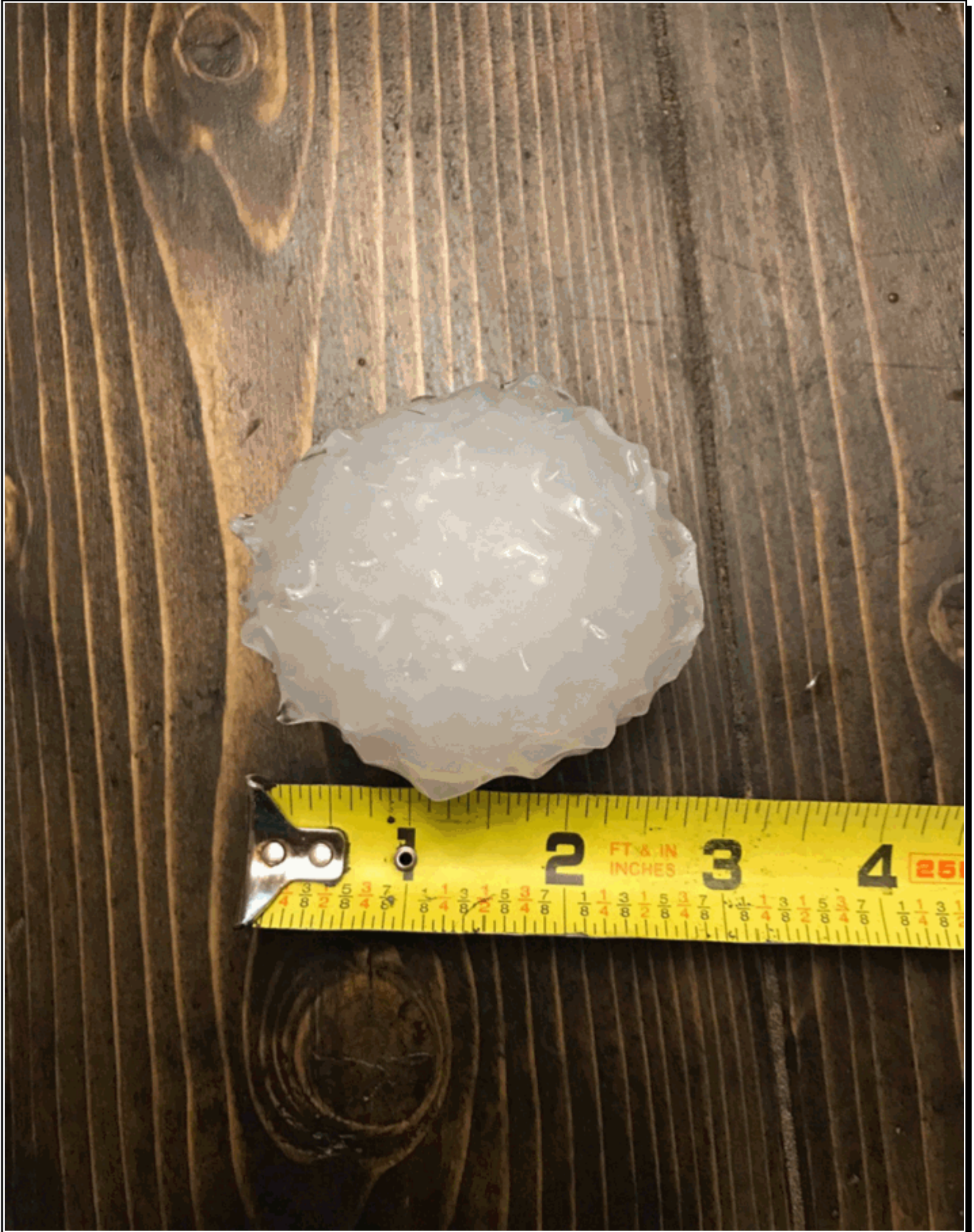
Location

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Property &
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Baseball size hail in New Deal, Texas on the evening of the 24th. Photograph courtesy of Jodi Lee Schumacher and Jacob Riley.

HALL COUNTY --- 2.0 S LESLEY [34.64, -100.80]

06/25/19 18:14 CST	0		Thunderstorm Wind (MG 56 kt)
06/25/19 18:14 CST	0		Source: Mesonet

A Texas Tech University West Texas mesonet site near Lesley measured a wind gust to 65 mph.

SWISHER COUNTY --- VIGO PARK [34.65, -101.48], 1.0 E VIGO PARK [34.65, -101.46]

06/25/19 18:35 CST	0		Hail (2.00 in)
06/25/19 19:00 CST	50K		Source: Public

Hail up to two inches in diameter was reported in and around Vigo Park. A NWS cooperative weather observer reported that his wheat crop was completely destroyed.

Scattered thunderstorms moved southeast across the central Texas Panhandle during the evening of the 25th. A couple of these storms became severe as they moved into the extreme south-central Texas Panhandle producing strong wind gusts and large hail up to two inches in diameter. A NWS cooperative weather observer near Vigo Park (Swisher County) reported that his wheat crop was completely destroyed.