

Storm Data and Unusual Weather Phenomena - September 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NORTH DAKOTA, Central and West				
BILLINGS COUNTY --- 0.8 SE MEDORA [46.91, -103.52]				
	09/03/18 16:25 MST	0		Hail (0.75 in)
	09/03/18 16:27 MST	0		Source: Public
BOWMAN COUNTY --- 15.7 SSW RHAME [46.01, -103.73]				
	09/03/18 17:20 MST	0		Funnel Cloud
	09/03/18 17:22 MST	0		Source: Public
STARK COUNTY --- 0.8 NE BELFIELD [46.89, -103.19]				
	09/03/18 17:50 MST	0		Hail (1.00 in)
	09/03/18 17:55 MST	0		Source: Trained Spotter
STARK COUNTY --- 6.4 NE BELFIELD [46.95, -103.11]				
	09/03/18 18:05 MST	0		Hail (1.50 in)
	09/03/18 18:10 MST	0		Source: Public
STARK COUNTY --- 0.8 NE BELFIELD [46.89, -103.19]				
	09/03/18 18:50 MST	0		Hail (0.88 in)
	09/03/18 18:55 MST	0		Source: Trained Spotter
STARK COUNTY --- BELFIELD [46.88, -103.20]				
	09/03/18 18:57 MST	0		Hail (1.25 in)
	09/03/18 19:00 MST	0		Source: Law Enforcement
STARK COUNTY --- 0.7 N BELFIELD [46.89, -103.20]				
	09/03/18 19:00 MST	0		Hail (1.00 in)
	09/03/18 19:03 MST	0		Source: Public
MOUNTRAIL COUNTY --- 0.5 W NEW TOWN [47.98, -102.49]				
	09/03/18 19:17 CST	0		Hail (0.75 in)
	09/03/18 19:19 CST	0		Source: Public
STARK COUNTY --- 2.8 N DICKINSON [46.92, -102.79]				
	09/03/18 19:36 MST	0		Hail (1.00 in)
	09/03/18 19:39 MST	0		Source: Trained Spotter
BOTTINEAU COUNTY --- 2.8 S ANTLER [48.93, -101.28]				
	09/03/18 20:29 CST	0		Hail (0.88 in)
	09/03/18 20:31 CST	0		Source: Public
RENVILLE COUNTY --- 12.6 NNW TOLLEY [48.90, -101.92]				
	09/03/18 20:32 CST	0		Hail (1.25 in)
	09/03/18 20:37 CST	0		Source: Trained Spotter
MORTON COUNTY --- 0.8 NE NEW SALEM [46.86, -101.41]				
	09/03/18 23:13 CST	0		Hail (1.00 in)
	09/03/18 23:16 CST	0		Source: Law Enforcement

A cold front moved into an environment rich in moisture, though deep layer shear was marginal. Multiple thunderstorms developed, with some becoming severe producing large hail over western North Dakota. The largest hail was the size of a ping pong balls, and fell over Stark County.

LOGAN COUNTY --- 0.5 W GACKLE [46.63, -99.14]

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	09/04/18 06:30 CST		0	Hail (0.88 in)
	09/04/18 06:35 CST		0	Source: Public

An early morning thunderstorm produced nickel size hail over Logan County.

PIERCE COUNTY --- 6.9 W WOLFORD [48.51, -99.85]

09/06/18 14:38 CST	0	Hail (0.75 in)
09/06/18 14:41 CST	0	Source: Trained Spotter

PIERCE COUNTY --- WOLFORD [48.50, -99.70]

09/06/18 14:50 CST	0	Hail (1.00 in)
09/06/18 14:52 CST	0	Source: Trained Spotter

STARK COUNTY --- 4.9 N RICHARDTON [46.95, -102.31]

09/06/18 16:30 MST	0	Hail (1.00 in)
09/06/18 16:32 MST	0	Source: Broadcast Media

MORTON COUNTY --- 2.0 WSW HEBRON [46.89, -102.07]

09/06/18 18:40 CST	0	Hail (1.75 in)
09/06/18 18:43 CST	0	Source: Trained Spotter

A mid-level short wave trough approached North Dakota, where modest instability and deep layer shear were noted. Thunderstorms developed, with a few becoming severe. The largest hail was golf ball size, and fell in Morton County.

BURLEIGH COUNTY --- 4.8 NNW FT LINCOLN [46.88, -100.65]

09/09/18 02:05 CST	0	Hail (1.00 in)
09/09/18 02:08 CST	0	Source: Public

A weak upper level short-wave trough combined with a modest low level jet to produce nocturnal thunderstorms over central North Dakota. One thunderstorm became severe over Burleigh County, producing one inch diameter hail.

LOGAN COUNTY --- 3.9 W FREDONIA [46.32, -99.18]

09/09/18 17:45 CST	0	Hail (1.00 in)
09/09/18 17:48 CST	0	Source: Trained Spotter

STUTSMAN COUNTY --- 9.7 S COURTENAY [47.08, -98.57]

09/09/18 18:10 CST	0	Hail (1.00 in)
09/09/18 18:13 CST	0	Source: Public

Thunderstorms developed along a cold front as it pushed into central and eastern North Dakota. A few storms became severe over the James River Valley, with one inch diameter hail.

OLIVER COUNTY --- 12.3 WNW HANNOVER [47.19, -101.67]

09/12/18 22:40 CST	0	Hail (1.00 in)
09/12/18 22:43 CST	0	Source: Trained Spotter

Thunderstorms developed over parts of western and central North Dakota as a warm front lifted through the region. One storm became severe in Oliver County, producing one inch diameter hail.

KIDDER COUNTY --- 9.1 S DAWSON [46.74, -99.76]

09/14/18 17:20 CST	0	Hail (1.75 in)
09/14/18 17:24 CST	0	Source: Public

STUTSMAN COUNTY --- 4.8 S CLEVELAND [46.81, -99.12]

09/14/18 18:15 CST	12M	Thunderstorm Wind (EG 104 kt)
09/14/18 18:25 CST	0	Source: Emergency Manager

Nine single legged aluminum and steel electrical towers covering approximately one-quarter mile were damaged by strong thunderstorm winds. Seven of the towers were completely destroyed and had to be replaced. The remaining two towers were partially taken down, but were salvageable. Five spans of high-voltage electrical wire had to be replaced with each span being approximately one-quarter mile in length. Winds were estimated to have been around 120 mph.

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An isolated supercell thunderstorm developed along a west to east orientated mid-level boundary. The first report of severe weather from this storm was golf ball size hail over Kidder County. The storm then proceeded into Stutsman County producing estimated wind gusts of 120 mph which severely damaged multiple electrical towers south of the community of Cleveland. Nine single legged aluminum and steel electrical towers spanning approximately one-quarter mile were damaged. Seven of the towers were completely destroyed and had to be replaced. The remaining two towers were partially taken down, but were salvageable. Five spans of high-voltage electrical wire had to be replaced with each span being approximately one-quarter mile in length.