

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>NORTH DAKOTA, Central and West</b>				
<b>DIVIDE COUNTY --- 5.2 WSW NOONAN [48.86, -103.11]</b>				
	07/02/22 17:15 CST	0		Thunderstorm Wind (EG 65 kt)
	07/02/22 17:18 CST	0		Source: Public
Small tree branches were broken.				
<b>WILLIAMS COUNTY --- 3.5 N RAY [48.40, -103.17]</b>				
	07/02/22 17:24 CST	0		Thunderstorm Wind (MG 56 kt)
	07/02/22 17:27 CST	0		Source: Mesonet
<b>DIVIDE COUNTY --- 8.3 S NOONAN [48.76, -103.01]</b>				
	07/02/22 17:25 CST	0		Thunderstorm Wind (MG 63 kt)
	07/02/22 17:28 CST	0		Source: Mesonet
<b>GOLDEN VALLEY COUNTY --- BEACH [46.92, -104.00]</b>				
	07/02/22 17:30 MST	0		Thunderstorm Wind (MG 59 kt)
	07/02/22 17:32 MST	0		Source: Trained Spotter
<b>SLOPE COUNTY --- 2.4 W AMIDON [46.48, -103.37]</b>				
	07/02/22 17:38 MST	0		Hail (0.88 in)
	07/02/22 17:41 MST	0		Source: Trained Spotter
<b>GOLDEN VALLEY COUNTY --- 4.2 N GOLVA [46.79, -103.97]</b>				
	07/02/22 17:47 MST	0		Thunderstorm Wind (MG 56 kt)
	07/02/22 17:50 MST	0		Source: Mesonet
<b>SLOPE COUNTY --- 10.7 WNW AMIDON [46.55, -103.52]</b>				
	07/02/22 18:28 MST	0		Thunderstorm Wind (MG 71 kt)
	07/02/22 18:30 MST	0		Source: Mesonet
<b>SLOPE COUNTY --- 2.4 W AMIDON [46.48, -103.37]</b>				
	07/02/22 18:38 MST	0		Thunderstorm Wind (EG 52 kt)
	07/02/22 18:41 MST	0		Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
<b>MOUNTRAIL COUNTY --- 4.2 W PARSHALL [47.98, -102.22]</b>				
	07/02/22 19:07 CST	0		Thunderstorm Wind (MG 53 kt)
	07/02/22 19:11 CST	0		Source: Mesonet
<b>SLOPE COUNTY --- 15.7 SSE AMIDON [46.29, -103.14]</b>				
	07/02/22 19:10 MST	0		Hail (0.88 in)
	07/02/22 19:13 MST	0		Source: Trained Spotter
<b>SLOPE COUNTY --- 13.7 SE AMIDON [46.36, -103.09]</b>				
	07/02/22 19:25 MST	0		Thunderstorm Wind (EG 61 kt)
	07/02/22 19:28 MST	0		Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
<b>ADAMS COUNTY --- 6.7 NNE REEDER [46.21, -102.90]</b>				
	07/02/22 19:30 MST	0		Thunderstorm Wind (EG 52 kt)
	07/02/22 19:33 MST	0		Source: Public
Thunderstorm wind gusts were estimated by the public.				

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ADAMS COUNTY --- 3.8 E REEDER [46.12, -102.87]</b>				
	07/02/22 19:37 MST		0	Thunderstorm Wind (MG 53 kt)
	07/02/22 19:39 MST		0	Source: NWS Employee
<b>MOUNTRAIL COUNTY --- 0.5 E PLAZA [48.03, -101.96]</b>				
	07/02/22 19:38 CST		0	Thunderstorm Wind (MG 61 kt)
	07/02/22 19:41 CST		0	Source: Public
<b>MOUNTRAIL COUNTY --- 5.4 SE PRAIRIE JCT [47.97, -101.88]</b>				
	07/02/22 19:40 CST		0	Hail (1.00 in)
	07/02/22 19:42 CST		0	Source: Other Federal Agency
<b>MCLEAN COUNTY --- 2.5 SE ROSEGLEN [47.72, -101.80]</b>				
	07/02/22 20:09 CST		0	Hail (1.00 in)
	07/02/22 20:11 CST		0	Source: Other Federal Agency
<b>MERCER COUNTY --- 0.8 SE PICK CITY [47.51, -101.46]</b>				
	07/02/22 20:39 CST		0	Thunderstorm Wind (MG 51 kt)
	07/02/22 20:41 CST		0	Source: Public
<b>MCLEAN COUNTY --- RIVERDALE [47.50, -101.37]</b>				
	07/02/22 20:51 CST		0	Thunderstorm Wind (EG 52 kt)
	07/02/22 20:54 CST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
<b>OLIVER COUNTY --- 2.8 SW CENTER [47.09, -101.34]</b>				
	07/02/22 21:23 CST		0	Thunderstorm Wind (MG 56 kt)
	07/02/22 21:25 CST		0	Source: Public
<b>Severe thunderstorms initiated near a surface low and weak frontal zone in northeast Montana. The storms then moved into western North Dakota, spreading south along the front, while the whole complex move towards the southeast. Strong wind gusts were the main threats with these storms, with the strongest reported wind gust of 82 mph occurring in Slope County. One-inch diameter hail occurred in Mountrail and McLean counties.</b>				
<b>BOWMAN COUNTY --- 2.8 WNW BOWMAN ARPT [46.20, -103.47]</b>				
	07/03/22 22:01 MST		0	Thunderstorm Wind (MG 52 kt)
	07/03/22 22:04 MST		0	Source: Mesonet
<b>STARK COUNTY --- (DIK)DICKINSON MUNI [46.80, -102.80]</b>				
	07/03/22 22:22 MST		0	Thunderstorm Wind (MG 54 kt)
	07/03/22 22:24 MST		0	Source: ASOS
<b>STARK COUNTY --- 3.5 WNW DICKINSON [46.89, -102.85], 1.3 ENE DICKINSON [46.89, -102.76], 1.3 SE DICKINSON [46.87, -102.76], 2.9 WSW DICKINSON [46.87, -102.84]</b>				
	07/03/22 22:30 MST		0.50M	Flash Flood (due to Heavy Rain)
	07/04/22 02:30 MST		0	Source: Emergency Manager
Heavy rain moved through central Stark County, with over two inches of rain falling in a short period of time over the Dickinson area. Dickinson's storm water system was overwhelmed from the intense heavy rains and caused flooding to basements. Numerous streets were flooded and the underpass along Highway 22 was completely filled. Over 150 homes and businesses were affected by the flooding.				
<b>SLOPE COUNTY --- 18.1 E AMIDON [46.49, -102.94]</b>				
	07/03/22 22:32 MST		0	Thunderstorm Wind (EG 52 kt)
	07/03/22 22:35 MST		0	Source: Public
Thunderstorm wind gusts were estimated by the public.				
<b>HETTINGER COUNTY --- 13.7 NNE REGENT [46.59, -102.40]</b>				

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/03/22 23:00 MST		0	Thunderstorm Wind (MG 50 kt)
	07/03/22 23:03 MST		0	Source: Mesonet
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<b>HETTINGER COUNTY --- 2.1 NNE BENTLEY [46.36, -102.06]</b>				
	07/03/22 23:05 MST		0	Thunderstorm Wind (MG 54 kt)
	07/03/22 23:08 MST		0	Source: Mesonet
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<b>WARD COUNTY --- 7.2 SSW SAWYER [47.98, -101.09]</b>				
	07/04/22 01:20 CST		0	Thunderstorm Wind (MG 50 kt)
	07/04/22 01:22 CST		0	Source: Mesonet
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Thunderstorms developed near and ahead of a surface low over southeast Montana, and moved into North Dakota where strong deep layer shear and instability were noted. Some of the storms became severe, with strong wind gusts as the main threat. The strongest wind gust was 62 mph and occurred in Hettinger and Stark counties. Very heavy rain caused flash flooding in Dickinson, Stark County, which overwhelmed the city's storm water system and affected over 150 homes and businesses.				
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<b>BOWMAN COUNTY --- 3.2 NE BOWMAN [46.21, -103.35]</b>				
	07/05/22 03:31 MST		0	Hail (1.50 in)
	07/05/22 03:34 MST		0	Source: Public
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Thunderstorms developed over southeast Montana during the very early morning hours as a low level jet increased ahead of a series of weak short-wave troughs. The thunderstorms then moved into southwest North Dakota. One severe thunderstorm produced ping pong ball size hail near Bowman in Bowman County.				
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<b>WILLIAMS COUNTY --- 8.4 SW BONETRAILL [48.35, -104.00]</b>				
	07/05/22 21:05 CST		0	Hail (0.75 in)
	07/05/22 21:07 CST		0	Source: Trained Spotter
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Thunderstorms over eastern Montana moved into western North Dakota during the late evening hours. One thunderstorm produced penny size hail in Williams County.				
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<b>MCKENZIE COUNTY --- 4.9 N CHARBONNEAU [47.92, -103.79]</b>				
	07/09/22 00:20 MST		0	Thunderstorm Wind (MG 53 kt)
	07/09/22 00:23 MST		0	Source: Mesonet
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<b>MORTON COUNTY --- MANDAN MUNI ARPT [46.77, -100.90]</b>				
	07/09/22 09:55 CST		0	Thunderstorm Wind (MG 54 kt)
	07/09/22 09:58 CST		0	Source: AWOS
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<b>BURLEIGH COUNTY --- 2.7 WSW (BIS)BISMARCK MUNI A [46.76, -100.80]</b>				
	07/09/22 10:05 CST		0	Hail (0.75 in)
	07/09/22 10:07 CST		0	Source: Public
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<b>EMMONS COUNTY --- 13.4 NW HAZELTON [46.63, -100.46]</b>				
	07/09/22 10:23 CST		0	Hail (0.88 in)
	07/09/22 10:26 CST		0	Source: Public
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<b>EMMONS COUNTY --- 6.5 NNW HAZELTON [46.57, -100.32]</b>				
	07/09/22 10:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/09/22 10:43 CST		25K	Source: Trained Spotter
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The thunderstorm wind gusts combined with small hail to cause crop damage.				
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<b>EMMONS COUNTY --- 5.7 W BRADDOCK [46.56, -100.20]</b>				
	07/09/22 10:49 CST		0	Hail (1.00 in)
	07/09/22 10:52 CST		0	Source: Public

Thunderstorms moved into western North Dakota from Montana as a low level jet increased in intensity. Early in the episode, a thunderstorm produced severe winds over McKenzie County. Later on in the episode, additional storms became severe over south central North Dakota. The strongest wind gust reported was 62 mph near Mandan in Morton County. The largest hail reported was one inch in diameter, occurring near Braddock in Emmons County.

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>GOLDEN VALLEY COUNTY --- 1.3 SW BEACH MUNI ARPT [46.92, -104.04], 2.6 E BEACH [46.92, -103.94]</b>				
	07/10/22 00:00 MST		0.25M	Thunderstorm Wind (EG 78 kt)
	07/10/22 00:15 MST		0	Source: Emergency Manager
<p>Large tree limbs were down in Beach, with some trees broken and uprooted. Light poles were blown over at the fairgrounds, with lines down onto campers. A few miles south of Beach, a pole barn was severely damaged along with a grain bin. Eight power poles were broken outside of Beach, mainly where trees damaged the lines.</p>				
<b>DIVIDE COUNTY --- 7.3 NNE WESTBY [48.97, -104.00]</b>				
	07/10/22 00:02 CST		0	Thunderstorm Wind (MG 69 kt)
	07/10/22 00:05 CST		0	Source: Mesonet
<b>GOLDEN VALLEY COUNTY --- 9.7 N SENTINEL BUTTE [47.06, -103.84]</b>				
	07/10/22 00:19 MST		0	Thunderstorm Wind (MG 62 kt)
	07/10/22 00:22 MST		0	Source: Mesonet
<b>GOLDEN VALLEY COUNTY --- 4.3 NNW GOLVA [46.79, -104.00]</b>				
	07/10/22 00:20 MST		0	Thunderstorm Wind (MG 65 kt)
	07/10/22 00:28 MST		0	Source: Mesonet
<b>BILLINGS COUNTY --- 4.2 SW MEDORA [46.87, -103.58]</b>				
	07/10/22 00:28 MST		0	Thunderstorm Wind (EG 52 kt)
	07/10/22 00:31 MST		0	Source: Public
<p>Thunderstorm wind gusts were estimated by the public.</p>				
<b>BILLINGS COUNTY --- 8.0 W FAIRFIELD [47.18, -103.39], 1.0 E FAIRFIELD [47.18, -103.20]</b>				
	07/10/22 00:35 MST		1M	Thunderstorm Wind (EG 104 kt)
	07/10/22 00:50 MST		0	Source: Emergency Manager
<p>Extensive damage was reported throughout the community of Fairfield and surrounding areas, especially to the west. Approximately 100 power poles were snapped throughout the area. A pad mounted electrical transformer weighing approximately two tons was blown over about eight miles west of Fairfield . Six miles west of Fairfield, a 120 foot communications tower blew over, and an adjacent small building was demolished. Closer to and in the community of Fairfield, a Quonset hut was blown approximately 150 yards, and a roof on a home was severely damaged. Multiple trees in the area were uprooted and snapped, and multiple stock trailers were flipped over.</p>				
<b>STARK COUNTY --- 2.0 NW DICKINSON [46.90, -102.81]</b>				
	07/10/22 01:03 MST		0	Thunderstorm Wind (MG 50 kt)
	07/10/22 01:05 MST		0	Source: Mesonet
<b>DUNN COUNTY --- 9.1 N NEW HRADEC [47.13, -102.91]</b>				
	07/10/22 01:04 MST		0	Thunderstorm Wind (MG 61 kt)
	07/10/22 01:07 MST		0	Source: Public
<b>STARK COUNTY --- (DIK)DICKINSON MUNI [46.80, -102.80]</b>				
	07/10/22 01:05 MST		0	Thunderstorm Wind (MG 51 kt)
	07/10/22 01:08 MST		0	Source: ASOS
<b>DUNN COUNTY --- 7.2 SSW MANNING [47.13, -102.81]</b>				
	07/10/22 01:09 MST		0	Thunderstorm Wind (MG 64 kt)
	07/10/22 01:12 MST		0	Source: Public
<b>DUNN COUNTY --- 11.4 W MANNING [47.26, -103.01]</b>				
	07/10/22 01:12 MST		0	Thunderstorm Wind (MG 55 kt)
	07/10/22 01:15 MST		0	Source: Mesonet
<b>STARK COUNTY --- 1.2 NW GLADSTONE [46.88, -102.57]</b>				

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/10/22 01:30 MST		0	Thunderstorm Wind (MG 63 kt)
	07/10/22 01:33 MST		0	Source: Mesonet
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<b>GRANT COUNTY --- 14.5 N ELGIN MUNI ARPT [46.61, -101.81]</b>				
	07/10/22 02:15 MST		0	Hail (1.75 in)
	07/10/22 02:18 MST		0	Source: Public
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<b>MERCER COUNTY --- 0.8 NE GOLDEN VLY [47.29, -102.06]</b>				
	07/10/22 02:50 CST		0	Thunderstorm Wind (MG 50 kt)
	07/10/22 02:53 CST		0	Source: Mesonet
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<b>MORTON COUNTY --- 6.6 ENE HEBRON [46.95, -101.91]</b>				
	07/10/22 02:55 CST		0	Thunderstorm Wind (EG 52 kt)
	07/10/22 02:57 CST		0	Source: Public
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Thunderstorm wind gusts were estimated by the public.				
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<b>WARD COUNTY --- 7.2 SSW SAWYER [47.98, -101.09]</b>				
	07/10/22 03:14 CST		0	Thunderstorm Wind (MG 66 kt)
	07/10/22 03:17 CST		0	Source: Mesonet
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<b>MCHENRY COUNTY --- 0.7 S VELVA [48.06, -100.93]</b>				
	07/10/22 03:25 CST		25K	Thunderstorm Wind (EG 70 kt)
	07/10/22 03:35 CST		0	Source: Public
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Significant tree damage occurred in Velva, with one large tree uprooted.				
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<b>OLIVER COUNTY --- 2.3 SW CENTER [47.10, -101.34]</b>				
	07/10/22 03:27 CST		0	Thunderstorm Wind (MG 51 kt)
	07/10/22 03:30 CST		0	Source: Public
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<b>OLIVER COUNTY --- 2.1 N SANGER [47.21, -101.00]</b>				
	07/10/22 03:45 CST		10K	Thunderstorm Wind (EG 70 kt)
	07/10/22 03:53 CST		0	Source: Park/Forest Service
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Multiple large trees blew down at Cross Ranch State Park.				
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<b>BURLEIGH COUNTY --- 3.2 WNW BISMARCK [46.82, -100.83]</b>				
	07/10/22 04:05 CST		0	Thunderstorm Wind (MG 58 kt)
	07/10/22 04:08 CST		0	Source: Mesonet
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<b>PIERCE COUNTY --- 4.2 W RUGBY [48.36, -100.07]</b>				
	07/10/22 04:20 CST		0	Thunderstorm Wind (MG 54 kt)
	07/10/22 04:23 CST		0	Source: Mesonet
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<b>SHERIDAN COUNTY --- 4.3 WSW DENHOFF [47.45, -100.35]</b>				
	07/10/22 04:20 CST		0	Thunderstorm Wind (MG 61 kt)
	07/10/22 04:23 CST		0	Source: Public
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<b>SHERIDAN COUNTY --- 8.5 SSW GOODRICH [47.36, -100.20]</b>				
	07/10/22 04:25 CST		0	Thunderstorm Wind (MG 50 kt)
	07/10/22 04:27 CST		0	Source: Public
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<b>SHERIDAN COUNTY --- 0.5 E DENHOFF [47.48, -100.26]</b>				
	07/10/22 04:27 CST		5K	Thunderstorm Wind (EG 65 kt)
	07/10/22 04:30 CST		20K	Source: Public

A large tree blew down and crops were damaged.

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>EMMONS COUNTY --- 12.4 W HAZELTON [46.50, -100.54]</b>				
	07/10/22 04:30 CST	0		Hail (0.75 in)
	07/10/22 04:33 CST	0		Source: Trained Spotter
<b>SHERIDAN COUNTY --- 2.9 WSW GOODRICH [47.46, -100.18]</b>				
	07/10/22 04:31 CST	0		Thunderstorm Wind (MG 65 kt)
	07/10/22 04:34 CST	0		Source: Public
<b>EMMONS COUNTY --- 5.9 WSW HAZELTON [46.44, -100.39]</b>				
	07/10/22 04:39 CST	0		Hail (0.75 in)
	07/10/22 04:41 CST	0		Source: Trained Spotter
<b>PIERCE COUNTY --- 3.9 ENE WOLFORD [48.52, -99.62]</b>				
	07/10/22 04:44 CST	0		Thunderstorm Wind (MG 52 kt)
	07/10/22 04:47 CST	0		Source: Mesonet
<b>ROLETTE COUNTY --- 1.1 SW ROLETTE [48.66, -99.85]</b>				
	07/10/22 04:50 CST	0		Thunderstorm Wind (EG 52 kt)
	07/10/22 04:52 CST	0		Source: Emergency Manager
Thunderstorm wind gusts were estimated by emergency management.				
<b>EMMONS COUNTY --- HAZELTON [46.48, -100.28]</b>				
	07/10/22 04:55 CST	0		Hail (0.75 in)
	07/10/22 04:57 CST	0		Source: Public
<b>STUTSMAN COUNTY --- 4.3 W ELDRIDGE [46.91, -98.92]</b>				
	07/10/22 05:43 CST	0		Thunderstorm Wind (MG 51 kt)
	07/10/22 05:50 CST	0		Source: Mesonet
<b>STUTSMAN COUNTY --- 0.5 E (JMS)JAMESTOWN MUNI [46.93, -98.67]</b>				
	07/10/22 05:53 CST	0		Thunderstorm Wind (MG 52 kt)
	07/10/22 05:56 CST	0		Source: ASOS
<b>STUTSMAN COUNTY --- JAMESTOWN [46.90, -98.70]</b>				
	07/10/22 05:53 CST	0		Hail (0.75 in)
	07/10/22 05:55 CST	0		Source: Public
Thunderstorms developed over Montana ahead of a short-wave trough. The storms formed into a line producing primarily damaging wind gusts, and moved into western and eventually central North Dakota. Intense winds occurred with these storms, especially over the Beach and Fairfield areas where significant damage was reported. In the Beach area of Golden Valley County, estimated 90 mph wind gusts uprooted trees, damaged power lines, and damaged a few structures. Even more damage occurred in the Fairfield area of Billings County where estimated 120 mph winds broke approximately 100 power poles, blew over a two-ton transformer, blew down a communications tower, and damaged or destroyed some structures. A few of the storms produced large hail, the largest being golf ball size, and occurred near Heart Butte Dam in Grant County.				
<b>DIVIDE COUNTY --- 5.5 N FORTUNA [49.00, -103.70]</b>				
	07/17/22 18:22 CST	0		Thunderstorm Wind (EG 52 kt)
	07/17/22 18:24 CST	0		Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
<b>DIVIDE COUNTY --- 7.6 S CROSBY [48.81, -103.29]</b>				
	07/17/22 19:01 CST	0		Hail (1.50 in)
	07/17/22 19:04 CST	0		Source: Public
A supercell thunderstorm moved from Saskatchewan into far northwest North Dakota. Wind gusts of 60 mph and ping pong ball size hail were reported in Divide County with this storm.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>DIVIDE COUNTY --- 10.2 SSW ALKABO [48.73, -103.94]</b>				
	07/18/22 20:13 CST		0	Thunderstorm Wind (MG 58 kt)
	07/18/22 20:19 CST		0	Source: Mesonet
<b>WILLIAMS COUNTY --- 5.7 NNE BONETRAILL [48.50, -103.82]</b>				
	07/18/22 20:44 CST		0	Thunderstorm Wind (EG 52 kt)
	07/18/22 20:48 CST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
<b>WILLIAMS COUNTY --- 5.3 SSW ZAHL [48.50, -103.73]</b>				
	07/18/22 20:45 CST		0	Thunderstorm Wind (MG 63 kt)
	07/18/22 20:48 CST		0	Source: Public
<b>WILLIAMS COUNTY --- 2.1 S ALAMO [48.55, -103.47]</b>				
	07/18/22 21:07 CST		0	Thunderstorm Wind (MG 52 kt)
	07/18/22 21:10 CST		0	Source: Mesonet
<b>WILLIAMS COUNTY --- WILDROSE [48.63, -103.18]</b>				
	07/18/22 21:15 CST		0.33M	Thunderstorm Wind (EG 83 kt)
	07/18/22 21:25 CST		0	Source: Emergency Manager
Sheet metal walls from out-buildings were blown into vehicles, campers, and motorhomes causing damage in the Wildrose area. Some trees were uprooted, with a few large diameter trees snapped and blocking streets. Power was out to the entire town.				
<b>DIVIDE COUNTY --- 7.6 S CROSBY [48.81, -103.29]</b>				
	07/18/22 21:23 CST		0	Thunderstorm Wind (MG 53 kt)
	07/18/22 21:26 CST		0	Source: Mesonet
<b>DIVIDE COUNTY --- 8.3 S NOONAN [48.76, -103.01]</b>				
	07/18/22 21:33 CST		0	Thunderstorm Wind (MG 69 kt)
	07/18/22 21:36 CST		0	Source: Mesonet
<b>BURKE COUNTY --- 1.9 SW PORTAL [48.98, -102.58]</b>				
	07/18/22 22:05 CST		0	Thunderstorm Wind (EG 52 kt)
	07/18/22 22:08 CST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
<b>BURKE COUNTY --- 1.1 SW BOWBELLS [48.79, -102.27]</b>				
	07/18/22 22:09 CST		0	Thunderstorm Wind (MG 50 kt)
	07/18/22 22:11 CST		0	Source: Mesonet
<b>BURKE COUNTY --- 1.5 NNE BOWBELLS [48.82, -102.24]</b>				
	07/18/22 22:20 CST		0	Thunderstorm Wind (MG 51 kt)
	07/18/22 22:22 CST		0	Source: Mesonet
<b>WILLIAMS COUNTY --- 0.5 W WILLISTON [48.15, -103.63]</b>				
	07/18/22 22:35 CST		0	Hail (1.50 in)
	07/18/22 22:38 CST		0	Source: COOP Observer
<b>WILLIAMS COUNTY --- 2.0 WSW (ISN)SLOULIN FLD WIL [48.17, -103.69]</b>				
	07/18/22 22:35 CST		0	Hail (1.00 in)
	07/18/22 22:39 CST		0	Source: Public
<b>WILLIAMS COUNTY --- 1.5 NNE WILLISTON [48.17, -103.61]</b>				
	07/18/22 22:37 CST		0.50M	Hail (3.00 in)
	07/18/22 22:40 CST		0	Source: Public

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Large hail fell over the Williston area causing damage to roofs, siding, and vehicles.				
<b>WILLIAMS COUNTY --- 3.5 N RAY [48.40, -103.17]</b>				
	07/18/22 23:05 CST		0	Thunderstorm Wind (MG 55 kt)
	07/18/22 23:08 CST		0	Source: Mesonet
<b>WILLIAMS COUNTY --- 3.5 S RAY [48.30, -103.17]</b>				
	07/18/22 23:08 CST		0	Hail (1.75 in)
	07/18/22 23:11 CST		0	Source: Public
<b>MOUNTRAIL COUNTY --- 5.0 SSW LUNDS VLY [48.43, -102.56]</b>				
	07/18/22 23:50 CST		0	Hail (1.25 in)
	07/18/22 23:53 CST		0	Source: Public
<b>BOTTINEAU COUNTY --- 0.5 W LANSFORD [48.63, -101.38]</b>				
	07/19/22 01:15 CST		0	Hail (1.00 in)
	07/19/22 01:17 CST		0	Source: Broadcast Media
<b>WARD COUNTY --- 2.5 SSW MINOT [48.20, -101.31]</b>				
	07/19/22 01:47 CST		0	Hail (1.25 in)
	07/19/22 01:50 CST		0	Source: Public
<b>ROLETTE COUNTY --- 5.2 WSW BELCOURT [48.81, -99.84]</b>				
	07/19/22 02:38 CST		0	Thunderstorm Wind (MG 58 kt)
	07/19/22 02:41 CST		0	Source: Mesonet
<b>ROLETTE COUNTY --- 2.1 NNW BELCOURT [48.86, -99.74]</b>				
	07/19/22 02:42 CST		20K	Thunderstorm Wind (EG 65 kt)
	07/19/22 02:52 CST		0	Source: Emergency Manager
A couple of properties north of Belcourt suffered wind damage . Roofing materials were partially lost on a home. Outbuildings were damaged, along with lawn decorations. Some tree branches were broken.				
<b>ROLETTE COUNTY --- 2.3 NNW ROLLA [48.88, -99.62]</b>				
	07/19/22 02:55 CST		0	Thunderstorm Wind (MG 56 kt)
	07/19/22 02:58 CST		0	Source: AWOS
<b>Severe thunderstorms moved from northeast Montana into northwest North Dakota ahead of an upper level low, spreading into north central North Dakota as a low-level jet increased in intensity. During the initial storms, damaging winds were the main threat. The strongest winds were estimated at 95 mph over the Wildrose area in Williams County where outbuildings were damaged, sheet metal detached from buildings damaged vehicles, and trees were uprooted and snapped. Later, storms had a mix of hail and damaging wind gusts. The largest hail reported was three inches in diameter, causing damage in the Williston area of Williams County.</b>				
<b>DICKEY COUNTY --- 0.8 NW OAKES [46.14, -98.09]</b>				
	07/20/22 17:43 CST		0	Hail (0.88 in)
	07/20/22 17:45 CST		0	Source: Broadcast Media
Thunderstorms passed through the southern James River Valley, with one storm producing nickel size hail in Dickey County.				
<b>BURLEIGH COUNTY --- 6.5 NW BISMARCK [46.87, -100.87], 2.2 ENE (BIS)BISMARCK MUNI A [46.80, -100.71]</b>				
	07/21/22 15:05 CST		1.20M	Hail (2.50 in)
	07/21/22 15:25 CST		0	Source: NWS Employee
This was the first of two storms that produced severe hail over the Bismarck and Lincoln areas of Burleigh County. Initially, quarter to ping pong ball size hail fell just to the northwest of Bismarck, but hail size increased as the storm moved through the city. Many roofs and vehicles were damaged, along with recreational vehicles at dealerships.				
<b>BURLEIGH COUNTY --- 3.2 NW BISMARCK [46.83, -100.82], 3.0 ESE (BIS)BISMARCK MUNI A [46.77, -100.69]</b>				



## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/21/22 15:33 CST		0.40M	Hail (1.75 in)
	07/21/22 15:45 CST		0	Source: Trained Spotter
<hr/>				
<b>BURLEIGH COUNTY --- 6.6 W MOFFIT [46.68, -100.42]</b>				
	07/21/22 15:50 CST		0	Hail (2.00 in)
	07/21/22 15:53 CST		0	Source: Public
<hr/>				
<b>MORTON COUNTY --- 7.8 NW SIMS [46.86, -101.60]</b>				
	07/21/22 15:58 CST		0	Hail (1.00 in)
	07/21/22 16:00 CST		0	Source: NWS Employee
<hr/>				
<b>MORTON COUNTY --- 2.8 N SIMS [46.81, -101.51]</b>				
	07/21/22 16:05 CST		0	Hail (1.50 in)
	07/21/22 16:09 CST		0.13M	Source: Trained Spotter
<hr/>				
Widespread crop damage occurred as the large hail combined with gusty winds.				
<hr/>				
<b>MORTON COUNTY --- 9.5 W ST ANTHONY [46.62, -101.12]</b>				
	07/21/22 16:42 CST		0	Hail (1.50 in)
	07/21/22 16:45 CST		0	Source: Public
<hr/>				
<b>MORTON COUNTY --- 0.5 E ST ANTHONY [46.62, -100.91]</b>				
	07/21/22 16:50 CST		0	Hail (1.00 in)
	07/21/22 16:53 CST		0	Source: Law Enforcement
<hr/>				
<b>MORTON COUNTY --- 1.5 SSE ST ANTHONY [46.60, -100.91]</b>				
	07/21/22 16:51 CST		0	Hail (1.00 in)
	07/21/22 16:55 CST		0.15M	Source: Public
<hr/>				
Considerable crop damage occurred as the hail combined with gusty winds.				
<hr/>				
<b>LOGAN COUNTY --- 5.9 SE BURNSTAD [46.31, -99.55]</b>				
	07/21/22 16:59 CST		0	Hail (1.00 in)
	07/21/22 17:02 CST		0	Source: Trained Spotter
<hr/>				
<b>LOGAN COUNTY --- 4.5 SE BURNSTAD [46.33, -99.56]</b>				
	07/21/22 17:02 CST		0	Hail (1.25 in)
	07/21/22 17:05 CST		0	Source: Public
<hr/>				
<b>DICKEY COUNTY --- 12.1 NW FORBES [46.08, -98.95]</b>				
	07/21/22 17:30 CST		0	Hail (1.00 in)
	07/21/22 17:33 CST		0	Source: Public
<hr/>				
<b>EMMONS COUNTY --- LINTON [46.27, -100.23]</b>				
	07/21/22 17:45 CST		0	Hail (0.88 in)
	07/21/22 17:48 CST		0	Source: Trained Spotter
<hr/>				
<b>EMMONS COUNTY --- 0.5 E STRASBURG [46.13, -100.16]</b>				
	07/21/22 17:55 CST		0	Hail (1.75 in)
	07/21/22 17:58 CST		0	Source: Trained Spotter
<hr/>				
<b>MCINTOSH COUNTY --- ZEELAND [45.97, -99.83]</b>				
	07/21/22 18:25 CST		0	Thunderstorm Wind (EG 56 kt)
	07/21/22 18:29 CST		0	Source: Public

Thunderstorm wind gusts were estimated by the public.

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>STUTSMAN COUNTY --- 0.9 W ELDRIDGE [46.90, -98.85]</b>				
	07/21/22 18:35 CST		0	Hail (1.75 in)
	07/21/22 18:38 CST		0	Source: Public
<b>STUTSMAN COUNTY --- 2.0 WSW YPSILANTI [46.77, -98.59]</b>				
	07/21/22 18:51 CST		0	Hail (1.75 in)
	07/21/22 18:55 CST		75K	Source: Public
Crop damage occurred in the area.				
<b>STUTSMAN COUNTY --- 2.9 ESE MONTPELIER [46.69, -98.52]</b>				
	07/21/22 18:55 CST		0	Hail (1.75 in)
	07/21/22 19:00 CST		0	Source: CoCoRaHS
<b>LA MOURE COUNTY --- 0.7 N MARION [46.61, -98.33]</b>				
	07/21/22 19:14 CST		0	Hail (1.50 in)
	07/21/22 19:17 CST		0	Source: Public
<b>LOGAN COUNTY --- NAPOLEON [46.50, -99.77]</b>				
	07/21/22 19:49 CST		0	Hail (1.00 in)
	07/21/22 19:51 CST		0	Source: Public
<b>LOGAN COUNTY --- 0.8 NE NAPOLEON [46.51, -99.76]</b>				
	07/21/22 19:51 CST		0	Hail (1.75 in)
	07/21/22 19:54 CST		0	Source: Public
<b>MCINTOSH COUNTY --- 20.3 NE ASHLEY [46.23, -99.06]</b>				
	07/21/22 20:31 CST		0	Hail (1.00 in)
	07/21/22 20:36 CST		0.10M	Source: Public
Extensive crop damage occurred.				
<b>DICKEY COUNTY --- 11.6 W MERRICOURT [46.22, -98.99]</b>				
	07/21/22 20:33 CST		0	Hail (0.88 in)
	07/21/22 20:37 CST		0	Source: Trained Spotter
<b>DICKEY COUNTY --- 5.3 E ELLENDALE [46.00, -98.41]</b>				
	07/21/22 21:07 CST		0	Hail (1.00 in)
	07/21/22 21:11 CST		75K	Source: Trained Spotter
Crops were damaged by the hail.				
<p>An upper level short wave trough moving through the region resulted in severe thunderstorms developing over south central North Dakota. Initially, a severe thunderstorm quickly developed and moved through the Bismarck and Lincoln areas of Burleigh County, with a second storm developing right behind the first one following a similar track. There was a report of tennis ball size hail in the north side of Bismarck, with most locations seeing quarter to golf ball size hail. The area around the Bismarck Airport received no hail. Where hail fell there was widespread roof and vehicle damage. Additional severe storms developed to the south and east, resulting in many reports of crop damage. Although hail was the main threat with these storms, one storm produced reported 65 mph wind gusts near Zeeland in McIntosh County.</p>				
<b>RENVILLE COUNTY --- 6.4 NNW TOLLEY [48.82, -101.85]</b>				
	07/22/22 19:09 CST		0	Hail (1.00 in)
	07/22/22 19:11 CST		0	Source: Trained Spotter
<b>RENVILLE COUNTY --- 6.4 NNW TOLLEY [48.82, -101.85]</b>				
	07/22/22 19:18 CST		0	Thunderstorm Wind (MG 54 kt)
	07/22/22 19:21 CST		0	Source: Trained Spotter
<b>RENVILLE COUNTY --- 6.1 SW LORAINE [48.82, -101.66]</b>				

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/22/22 19:27 CST		0	Hail (1.50 in)
	07/22/22 19:30 CST		0	Source: Trained Spotter
<hr/>				
<b>RENVILLE COUNTY --- 4.2 W MOHALL [48.76, -101.59]</b>				
	07/22/22 19:29 CST		0	Thunderstorm Wind (MG 53 kt)
	07/22/22 19:33 CST		0	Source: Mesonet
<hr/>				
<b>BOTTINEAU COUNTY --- 0.5 W LANSFORD [48.63, -101.38]</b>				
	07/22/22 19:30 CST		10K	Thunderstorm Wind (EG 65 kt)
	07/22/22 19:34 CST		0	Source: Public
<p>A quonset farm building was damaged.</p>				
<hr/>				
<b>RENVILLE COUNTY --- 3.3 NNW GRANO [48.66, -101.62]</b>				
	07/22/22 19:38 CST		0	Thunderstorm Wind (EG 56 kt)
	07/22/22 19:41 CST		0	Source: Trained Spotter
<p>Thunderstorm wind gusts were estimated by a trained spotter.</p>				
<hr/>				
<b>BOTTINEAU COUNTY --- 0.5 W LANSFORD [48.63, -101.38]</b>				
	07/22/22 19:59 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/22 20:02 CST		0	Source: Trained Spotter
<p>Thunderstorm wind gusts were estimated by a trained spotter.</p>				
<hr/>				
<b>WARD COUNTY --- 2.0 ESE (MIB)MINOT AFB [48.42, -101.33]</b>				
	07/22/22 19:59 CST		50K	Thunderstorm Wind (MG 65 kt)
	07/22/22 20:02 CST		0	Source: AWOS
<p>Tree and roof damage occurred at Minot Air Force Base.</p>				
<hr/>				
<b>BOTTINEAU COUNTY --- 2.8 SE LANSFORD [48.60, -101.33]</b>				
	07/22/22 20:06 CST		0	Thunderstorm Wind (EG 56 kt)
	07/22/22 20:09 CST		0	Source: Trained Spotter
<p>Thunderstorm wind gusts were estimated by a trained spotter.</p>				
<hr/>				
<b>RENVILLE COUNTY --- 6.9 E GLENBURN [48.51, -101.07]</b>				
	07/22/22 20:09 CST		0	Funnel Cloud
	07/22/22 20:11 CST		0	Source: Public
<hr/>				
<b>WARD COUNTY --- 5.7 NNE (MOT)MINOT INTL ARPT [48.35, -101.25]</b>				
	07/22/22 20:12 CST		0	Funnel Cloud
	07/22/22 20:15 CST		0	Source: Trained Spotter
<hr/>				
<b>MCHENRY COUNTY --- 1.4 N GRANVILLE [48.29, -100.83]</b>				
	07/22/22 20:45 CST		0	Hail (1.25 in)
	07/22/22 20:48 CST		0	Source: Trained Spotter
<hr/>				
<b>PIERCE COUNTY --- 6.0 E BARTON [48.50, -100.04], 8.0 E BARTON [48.50, -100.00]</b>				
	07/22/22 20:46 CST		0.13M	Thunderstorm Wind (EG 78 kt)
	07/22/22 20:54 CST		0	Source: Public
<p>Multiple blue spruce trees were snapped and down to the east of Barton. In addition, some large cottonwoods and other native trees were uprooted and blown over. A free standing grain bin was also knocked over.</p>				
<hr/>				
<b>MCHENRY COUNTY --- 1.4 N KARLSRUHE [48.12, -100.62]</b>				
	07/22/22 20:51 CST		0	Thunderstorm Wind (MG 56 kt)
	07/22/22 20:54 CST		0	Source: Mesonet

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>PIERCE COUNTY --- 4.2 W RUGBY [48.36, -100.07]</b>				
	07/22/22 21:05 CST		0	Thunderstorm Wind (MG 50 kt)
	07/22/22 21:08 CST		0	Source: Mesonet
<b>MCHENRY COUNTY --- 4.4 NE NORFOLK [48.02, -100.24]</b>				
	07/22/22 21:14 CST		0.30M	Thunderstorm Wind (EG 78 kt)
	07/22/22 21:22 CST		0	Source: Trained Spotter
Several barn structures in the area were significantly damaged, with some possibly being a total loss.				
<b>MCHENRY COUNTY --- 4.4 NE NORFOLK [48.02, -100.24]</b>				
	07/22/22 21:15 CST		0	Hail (1.50 in)
	07/22/22 21:18 CST		0	Source: Trained Spotter
<b>PIERCE COUNTY --- 3.7 E WOLFORD [48.50, -99.62]</b>				
	07/22/22 21:15 CST		0	Thunderstorm Wind (MG 59 kt)
	07/22/22 21:18 CST		0	Source: Mesonet
<b>PIERCE COUNTY --- 8.3 N SELZ [47.97, -99.88]</b>				
	07/22/22 21:39 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/22 21:43 CST		50K	Source: Public
The severe wind gusts combined with dime size hail to cause soybean field damage.				
<b>PIERCE COUNTY --- 4.2 N SELZ [47.91, -99.88]</b>				
	07/22/22 21:40 CST		0	Hail (1.50 in)
	07/22/22 21:44 CST		0	Source: Public
<b>WELLS COUNTY --- 5.4 NNE HAMBERG [47.84, -99.45]</b>				
	07/22/22 22:05 CST		0	Thunderstorm Wind (MG 50 kt)
	07/22/22 22:09 CST		0.10M	Source: Public
Small hail combined with the severe thunderstorm winds to cause extensive crop damage.				
<b>WELLS COUNTY --- 6.9 N CATHAY [47.65, -99.40]</b>				
	07/22/22 22:10 CST		0	Thunderstorm Wind (MG 62 kt)
	07/22/22 22:14 CST		0	Source: Trained Spotter
Thunderstorms developed along and ahead of a cold front near the international border, and continued to develop as the front sagged south. Some of these thunderstorms became severe in an environment of enhanced instability and deep layer shear. Damage was reported to crops, structures, and trees with some of the storms. Estimated 90 mph wind gusts to the east of Barton in Pierce County caused tree damage and grain bin damage, while another area of estimated 90 mph wind gusts to the southwest of Orrin in McHenry County caused significant damage to multiple barns. The largest hail reported was the size of a ping pong ball, and occurred in Renville, McHenry, and Pierce counties.				
<b>GRANT COUNTY --- 5.0 SSW RALEIGH [46.30, -101.33]</b>				
	07/23/22 01:36 MST		1K	Hail (1.25 in)
	07/23/22 01:39 MST		0	Source: Public
Plants were damaged around the house.				
A strong upper level short wave trough approached the area, leading to thunderstorms developing over southwest North Dakota. One storm became severe, and produced half-dollar diameter sized hail near Saint Gertrude in Grant County.				
<b>DUNN COUNTY --- 4.7 ENE NEW HRADEC [47.03, -102.79]</b>				
	07/25/22 18:50 MST		0	Thunderstorm Wind (MG 56 kt)
	07/25/22 18:54 MST		0	Source: Mesonet
<b>STARK COUNTY --- 2.0 NW DICKINSON [46.90, -102.81]</b>				

## Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/25/22 18:50 MST		0	Thunderstorm Wind (MG 52 kt)
	07/25/22 18:53 MST		0	Source: Mesonet
<hr/>				
<b>STARK COUNTY --- GLADSTONE [46.87, -102.55]</b>				
	07/25/22 19:25 MST		0	Thunderstorm Wind (MG 50 kt)
	07/25/22 19:30 MST		0	Source: Mesonet
<p>Thunderstorms developed over western North Dakota as an upper level short-wave trough slid through a ridge, combining with a cold front. One area of storms became severe, producing strong wind gusts over portions of Stark and Dunn counties. The strongest wind gust reported was 64 mph northeast of New Hradec in Dunn County.</p>				
<hr/>				
<b>WELLS COUNTY --- 5.1 W HURDSFIELD [47.45, -100.01]</b>				
	07/30/22 16:20 CST		0	Hail (1.00 in)
	07/30/22 16:23 CST		0	Source: Public
<hr/>				
<b>WILLIAMS COUNTY --- 7.2 NW (ISN)SLOULIN FLD WIL [48.26, -103.75]</b>				
	07/30/22 18:34 CST		0	Thunderstorm Wind (MG 60 kt)
	07/30/22 18:37 CST		0	Source: ASOS
<hr/>				
<b>WILLIAMS COUNTY --- 13.8 SSE EPPING [48.09, -103.26]</b>				
	07/30/22 19:15 CST		0	Thunderstorm Wind (EG 52 kt)
	07/30/22 19:18 CST		0	Source: Trained Spotter
<p>Thunderstorm wind gusts were estimated by a trained spotter.</p>				
<hr/>				
<b>MOUNTRAIL COUNTY --- 3.3 NNW PALERMO [48.37, -102.26]</b>				
	07/30/22 19:57 CST		0	Thunderstorm Wind (EG 52 kt)
	07/30/22 20:01 CST		0	Source: Emergency Manager
<p>Thunderstorm wind gusts were estimated by emergency management.</p>				
<hr/>				
<b>MOUNTRAIL COUNTY --- 0.5 W NEW TOWN [47.98, -102.49]</b>				
	07/30/22 20:05 CST		0	Thunderstorm Wind (MG 52 kt)
	07/30/22 20:09 CST		0	Source: Mesonet
<hr/>				
<b>MOUNTRAIL COUNTY --- 0.8 SW NEW TOWN [47.97, -102.49]</b>				
	07/30/22 20:15 CST		0	Thunderstorm Wind (EG 56 kt)
	07/30/22 20:20 CST		0	Source: Trained Spotter
<p>Thunderstorm wind gusts were estimated by a trained spotter.</p>				
<hr/>				
<b>FOSTER COUNTY --- CARRINGTON [47.45, -99.13]</b>				
	07/30/22 23:55 CST		0	Thunderstorm Wind (MG 53 kt)
	07/31/22 00:05 CST		0	Source: AWOS
<p>Two areas of severe weather developed during the evening and nighttime hours. The first area was along a cold front over northwest North Dakota, where strong thunderstorm wind gusts were the primary threat, with the strongest wind gust of 69 mph being reported at the Williston Airport in Williams County. The second area was over central North Dakota affecting Wells and Foster counties, where an area of thunderstorms produced strong thunderstorm winds and some large hail. The strongest reported wind gust in this area was 61 mph at the Carrington Airport in Foster County, while one inch diameter hail fell to the west of Hurdsfield in Wells County.</p>				