

## Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>NORTH DAKOTA, Central and West</b>				
<b>EMMONS COUNTY --- 1.4 E HAGUE [46.03, -99.95]</b>				
	05/02/24 17:00 CST		0	Hail (1.00 in)
	05/02/24 17:02 CST		0	Source: Public
Showers and thunderstorms developed over North Dakota as a low pressure system moved through the state. One storm became severe near Hague in Emmons County, producing one-inch diameter hail.				
<b>DUNN COUNTY --- 3.8 W DODGE [47.30, -102.28]</b>				
	05/07/24 16:20 MST		0	Funnel Cloud
	05/07/24 16:30 MST		0	Source: Public
Showers and weak thunderstorms developed over parts of western and central North Dakota as a stacked low pressure system passed over south central North Dakota. One of these showers or thunderstorms produced a funnel cloud over Dunn County.				
<b>MCKENZIE COUNTY --- 3.1 WSW ARNEGARD [47.80, -103.49]</b>				
	05/17/24 13:49 MST		0	Thunderstorm Wind (MG 60 kt)
	05/17/24 13:52 MST		0	Source: Mesonet
<b>HETTINGER COUNTY --- 9.8 NNE BURT [46.50, -102.07]</b>				
	05/17/24 13:50 MST		0	Hail (1.25 in)
	05/17/24 13:53 MST		0	Source: Public
<b>MCKENZIE COUNTY --- 2.0 ENE WATFORD CITY [47.81, -103.24]</b>				
	05/17/24 14:07 MST		0	Thunderstorm Wind (MG 54 kt)
	05/17/24 14:09 MST		0	Source: Mesonet
<b>MCKENZIE COUNTY --- 3.3 SE KEENE [47.89, -102.91]</b>				
	05/17/24 14:31 MST		0	Hail (1.00 in)
	05/17/24 14:33 MST		5K	Source: Public
The hail combined with wind to lay down five inch tall wheat, but most of it was expected to recover.				
<b>MCKENZIE COUNTY --- 0.5 E KEENE [47.93, -102.94]</b>				
	05/17/24 14:34 MST		0	Thunderstorm Wind (MG 56 kt)
	05/17/24 14:36 MST		0	Source: Mesonet
<b>BOTTINEAU COUNTY --- 3.6 NNE RENVILLE [48.82, -101.28]</b>				
	05/17/24 14:55 CST		0	Thunderstorm Wind (MG 60 kt)
	05/17/24 14:57 CST		0	Source: AWOS
<b>BOWMAN COUNTY --- 2.9 W BOWMAN ARPT [46.18, -103.48]</b>				
	05/17/24 15:15 MST		0	Thunderstorm Wind (MG 50 kt)
	05/17/24 15:18 MST		0	Source: Mesonet
<b>ADAMS COUNTY --- HETTINGER ARPT [46.02, -102.65]</b>				
	05/17/24 15:58 MST		0	Thunderstorm Wind (MG 61 kt)
	05/17/24 16:00 MST		0	Source: ASOS
<b>MOUNTRAIL COUNTY --- 2.0 WNW PARSHALL [47.98, -102.17]</b>				
	05/17/24 16:25 CST		0	Thunderstorm Wind (MG 54 kt)
	05/17/24 16:28 CST		0	Source: Public
<b>ADAMS COUNTY --- 17.3 E HAYNES [45.97, -102.11]</b>				
	05/17/24 16:27 MST		1K	Thunderstorm Wind (EG 52 kt)
	05/17/24 16:30 MST		0	Source: Trained Spotter

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One inch diameter tree branches were broken.				
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<b>MCINTOSH COUNTY --- 4.8 NNE ZEELAND [46.03, -99.78]</b>	05/17/24 19:48 CST		0	Thunderstorm Wind (EG 52 kt)
	05/17/24 19:50 CST		0	Source: Trained Spotter
A trained spotter estimated the thunderstorm wind gusts.				
<b>An upper level short-wave trough and a cold front pushed through western and central North Dakota resulting in thunderstorms developing by mid-afternoon. The main threat from these storms was damaging wind gusts, but a few storms produced large hail. The strongest reported wind gust of 70 mph occurred at the Hettinger Airport in Adams County, while the largest hail reported was the size of a half-dollar, which occurred near Burt in Hettinger County.</b>				
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<b>SIOUX COUNTY --- 13.9 NNW SELFRIDGE [46.21, -101.06]</b>	05/19/24 17:15 MST		0	Hail (1.00 in)
	05/19/24 17:18 MST		0	Source: Public
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<b>SIOUX COUNTY --- 11.6 NNW SELFRIDGE [46.18, -101.04]</b>	05/19/24 17:17 MST		0	Hail (1.75 in)
	05/19/24 17:20 MST		0	Source: Broadcast Media
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<b>SIOUX COUNTY --- 14.3 NNW SELFRIDGE [46.22, -101.05]</b>	05/19/24 17:20 MST		0	Hail (1.50 in)
	05/19/24 17:23 MST		0	Source: Public
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<b>SIOUX COUNTY --- 6.8 WSW SOLEN [46.37, -100.94]</b>	05/19/24 17:35 MST		0	Hail (1.50 in)
	05/19/24 17:38 MST		0	Source: Trained Spotter
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<b>EMMONS COUNTY --- 3.6 WNW WESTFIELD [46.05, -100.27]</b>	05/19/24 19:12 CST		0	Thunderstorm Wind (EG 52 kt)
	05/19/24 19:14 CST		0	Source: Public
Thunderstorm wind gusts were estimated by the public.				
<b>Thunderstorms developed over southern parts of North Dakota as an inverted surface trough and a warm front lifted into the area. A couple of the thunderstorms became severe with large hail as the main threat, though one thunderstorm did produce estimated 60 mph wind gusts near Westfield in Emmons County. The large hail reports were all in Sioux County, with the largest report being the size of golf balls near Porcupine.</b>				
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<b>DICKEY COUNTY --- 3.5 N FORBES [46.00, -98.78]</b>	05/23/24 15:05 CST		0	Hail (1.00 in)
	05/23/24 15:08 CST		0	Source: Public
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<b>DICKEY COUNTY --- 5.4 SSE MONANGO [46.10, -98.53]</b>	05/23/24 15:15 CST		0	Hail (1.25 in)
	05/23/24 15:17 CST		0	Source: Trained Spotter
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<b>EMMONS COUNTY --- 14.9 ENE STRASBURG [46.25, -99.91]</b>	05/23/24 16:23 CST		0	Hail (1.75 in)
	05/23/24 16:25 CST		0	Source: Trained Spotter
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<b>EMMONS COUNTY --- 0.7 S LINTON [46.26, -100.23]</b>	05/23/24 16:27 CST		0	Hail (1.00 in)
	05/23/24 16:33 CST		0	Source: Law Enforcement
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<b>ADAMS COUNTY --- 4.4 NNW HETTINGER ARPT [46.08, -102.68], 4.3 NNW HETTINGER ARPT [46.08, -102.68]</b>	05/23/24 16:28 MST		0	Tornado (EFU, L: 0.20 mi , W: 50 yd)
	05/23/24 16:29 MST		0	Source: Trained Spotter

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The tornado touched down in an open field east of Bucyrus and impacted no structures. There was no damage to evaluate. By National Weather Service policy the tornado is rated EFU (Unknown).

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**ADAMS COUNTY --- 8.8 NE BUCYRUS [46.16, -102.65]**

	05/23/24 16:30 MST		0	Thunderstorm Wind (MG 52 kt)
	05/23/24 16:33 MST		0	Source: Trained Spotter

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**ADAMS COUNTY --- 4.4 NNW HETTINGER ARPT [46.08, -102.68]**

	05/23/24 16:38 MST		0	Hail (1.50 in)
	05/23/24 16:41 MST		0	Source: Trained Spotter

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**MCINTOSH COUNTY --- 11.9 SW WISHEK [46.13, -99.73]**

	05/23/24 17:00 CST		2K	Thunderstorm Wind (EG 61 kt)
	05/23/24 17:03 CST		0	Source: Trained Spotter

Three to five inch tree limbs were blown down.

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**EMMONS COUNTY --- 11.9 E LINTON [46.27, -99.98]**

	05/23/24 17:05 CST		0	Hail (1.75 in)
	05/23/24 17:07 CST		0	Source: Public

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**EMMONS COUNTY --- 14.9 ENE STRASBURG [46.25, -99.91]**

	05/23/24 17:08 CST		0	Hail (1.00 in)
	05/23/24 17:10 CST		0	Source: Trained Spotter

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**HETTINGER COUNTY --- 2.1 NNE BENTLEY [46.36, -102.06]**

	05/23/24 17:11 MST		0	Thunderstorm Wind (MG 50 kt)
	05/23/24 17:13 MST		0	Source: Mesonet

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**LOGAN COUNTY --- 6.3 ESE BURNSTAD [46.36, -99.49]**

	05/23/24 17:42 CST		0	Hail (1.00 in)
	05/23/24 17:49 CST		0	Source: Trained Spotter

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**MCINTOSH COUNTY --- 0.8 NW WISHEK [46.26, -99.56]**

	05/23/24 17:50 CST		0	Hail (1.00 in)
	05/23/24 17:55 CST		0	Source: Law Enforcement

A low pressure system over west-central South Dakota lifted a warm front into far southern North Dakota, with thunderstorms developing along and ahead of the front. This was in an area of enhanced instability and strong deep layer shear. Some of the thunderstorms became severe with the main threat being large hail, though a few produced damaging wind gusts. In addition, one storm produced a tornado in Adams County. The tornado touched down in an open field east of Bucyrus and impacted no structures. There was no damage to evaluate and so by National Weather Service policy the tornado is rated EF Unknown. The largest hail reported was the size of golf balls and fell in Emmons County. The strongest reported wind gust was 60 mph and occurred in Adams County.

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**GOLDEN VALLEY COUNTY --- 0.9 SSW BEACH MUNI ARPT [46.92, -104.03], 0.8 ESE BEACH [46.92, -103.98]**

	05/29/24 15:50 MST		0.80M	Hail (2.00 in)
	05/29/24 16:01 MST		0	Source: Trained Spotter

Two inch diameter hail combined with wind gusts to 75 mph to produce extensive damage in the community of Beach. Multiple vehicles sustained damage including dents and broken windows. House damage included broken windows, dented siding, and damaged shingles.

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**GOLDEN VALLEY COUNTY --- 0.9 E BEACH [46.92, -103.98]**

	05/29/24 16:00 MST		0	Thunderstorm Wind (MG 65 kt)
	05/29/24 16:04 MST		0	Source: AWOS

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**MCKENZIE COUNTY --- 10.4 S ARNEGARD [47.67, -103.43]**

	05/29/24 17:16 MST		0	Thunderstorm Wind (MG 59 kt)
	05/29/24 17:19 MST		0	Source: Mesonet

Thunderstorms formed along a cold front which moved from Montana into western North Dakota, with a couple of storms becoming

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severe. One storm caused extensive damage in the city of Beach with two inch diameter hail and wind gusts of 75 mph.