

## ADAMS COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-12

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -June 17, 2010 11:35 AM CDT to 11:40 AM CDT

-length 0.62 miles from 0.8 miles southwest of Hettinger to 0.2 miles south-southwest of Hettinger

-width 20 yards

-deaths 0, injuries 0

-The tornado formed just outside the city limits of Hettinger, crossed Mirror Lake, where it picked up water, and came into the city. Tree branches were broken, windows were broken and an automobile was damaged. The front passenger side of the car with two occupants was lifted up a few inches and dropped back down. The occupants saw the tornado spin up the street and lift as it got overhead. They were shook up but not injured. Estimated damage was \$25,000. Estimated wind speeds were around 90 mph.

Highest rated tornado (F) 1950-2006

-F1 (73-112 mph) -August 11, 1999 (and previous dates)

-3 miles northeast to 3 miles northeast of Reeder

-length 2 miles -width 40 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-100 mph

-9:45 PM CDT July 03, 1969

Largest hailstone...

-3.00 inch diameter

-5:50 PM MDT to 6:20 PM MDT August 30, 2021 (and previous dates)

-8.4 miles north of Haynes to 3.3 miles east-southeast of Haynes.

-Estimated \$750,000 damage.

-Long lived supercell storm with a swath of hail damage. At one farm many holes were punched through metal roofs, five vehicles were damaged / destroyed. Strong winds accompanied the hail and the two destroyed fields of lush eight-foot tall corn.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## BARNES COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-61

-deaths 0, injuries 1 (1 on 06-26-1965)

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) -July 27, 2010 12:30 AM CDT to 12:59 AM CDT

-length 13.77 miles from 1 mile east of Sibley to 9.3 miles southeast of Pillsbury

-width 500 yards

-deaths 0, injuries 0

-Several grain bins were lofted for a mile and destroyed. Large pine trees were uprooted and numerous trees stripped of leaves. Equipment storage buildings were unroofed and flattened to the ground. There was also wind and hail damage. Damage estimated at \$1.25 million. Estimated wind speeds were around 120 mph.

Highest rated tornado (F) 1950-2006

-F4 (207-260 mph) -July 18, 2004 -8:25 to 8:50 PM CDT

-length 10 miles from 13 miles northwest of Litchville to 10 miles west-southwest Litchville

-width 200 yards -deaths 0, injuries 0

-Farmstead 10 W Litchville swept clean and 8 to 9 buildings and 5 to 6 metal grain bins swept away. Nine miles W Litchville 2 houses, 5 outbuildings, a cattle barn, 20 grain bins, and farm equipment was leveled. Support beams wrapped around trees and vehicles. Killed were 35 cows.

Highest wind speed (non-tornadic thunderstorm gust)...

-112 mph

-10:21 PM CDT June 24, 2003

-4 miles east-southeast of Valley City

-Measured at Minnkota Power Company wind turbine site.

Largest hailstone...

-3.00 inch diameter

-6:20 PM CDT August 05, 1987

Updated 1-1-2022

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## BENSON COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-50

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) –July 4, 2018 2:31 AM CDT to 2:32 AM CDT (and previous dates 06-09-2017)

-length 1.46 miles near Warwick (total path around 3 miles)

-width 400 yards

-deaths 0, injuries 0

-This tornado touched down in Eddy County and crossed into Benson County to near Warwick. Power poles were snapped along Highway 20 and large trees were snapped in and around Warwick. Estimated winds around 115 mph. Damage estimated just over \$50,000. Another tornado occurred this day north of here, in Ramsey County.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -May 30, 1958

-length 11 miles -width 33 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-119 mph

-7:19 PM CDT June 9, 2017

-2.9 miles west-northwest of Harlow

-Storm chaser report measured wind on mobile mesonet equipment.

Largest hailstone...

-4.50 inch diameter

-11:00 PM CDT August 06, 1994

-Fort Totten

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## BILLINGS COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-07

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) -July 8, 2009 7:27 to 7:30 PM CDT

-length 0.1 miles around 3.4 miles north-northeast of Medora

-width 40 yards

-deaths 0, injuries 0

-No damage.

Highest rated tornado (F) 1950-2006

-F1 (73-112 mph) -June 11, 1984 (and previous dates)

-length 3 miles -width 400 yards -22 miles north of Medora -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-94 mph

-11:45 PM CDT to 12:00 AM CDT September 5, 2015

-6.4 miles south-southeast of Fryburg to 6.4 miles south-southeast of Fryburg

-Significant and severe damage was done from extreme winds on the leading edge of the line of thunderstorms. Outbuildings and vehicles were badly damaged, some destroyed. Damage was estimated at \$180,000 to property and \$100,000 to crops.

Largest hailstone...

-3.00 inch diameter

-9:17 PM CDT to 9:19 PM CDT July 16, 2005 (and previous dates)

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# BOTTINEAU COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-33

-deaths 0, injuries 8 (1 on 06-12-1972, 6 on 06-04-1974, 1 on 06-26-1986)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) –June 28, 2020 9:05 PM CDT to 9:10 PM CDT

-length 1 mile from 6.7 miles north of Bottineau to 7 miles east of Roth

-width 100 yards

-deaths 0, injuries 0

-This was the second of two tornadoes in this area within minutes of each other. This tornado damaged two properties with estimates around \$150,000. A barn door was torn off and the roof lifted off, a machine shed and car port were damaged and trees snapped and uprooted. The damage corresponded to EF1 with estimated wind speeds from that at around 95 mph.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -June 26, 1986

-length 8 miles -width 2000 yards -4 miles southwest to 9 ½ miles northwest of Bottineau

-deaths 0, injuries 1

Highest wind speed (non-tornadic thunderstorm gust)...

-100 mph

-9:40 PM CDT to 9:50 PM CDT June 9, 2016

-Lansford

-Widespread damage. A mobile home sustained substantial damage as the roof and part of the wall were removed. Permanent homes had roof damage and broken windows. The grain elevator sustained damage to the primary structure along with multiple grain bins, some containing grain, being damaged or destroyed. Tree damage was widespread and extensive. Widespread winds across the area were around 70 mph with a microburst suspected at Lansford with local winds to 100 mph. There were no deaths or injuries. Total damage was estimated to be around \$5.25 million.

Largest hailstone...

-3.00 inch diameter

-8:16 PM CDT to 8:19 PM CDT June 14, 2018

-1.7 miles north-northwest of Gardena

-Damage to buildings and crops estimated at \$85,000.

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## BOWMAN COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-14

-deaths 0, injuries 1 (1 on 06-14-1977)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -June 30, 2015 8:24 PM CDT to 8:30 PM CDT

-length 2.60 miles from 13.8 miles south of the Bowman Airport to 13.6 miles west of Haley

-width 80 yards

-deaths 0, injuries 0

-This tornado crossed the state line from Bowman County, North Dakota, into Harding County, South Dakota, in the National Weather Service Rapid City County Warning Area. The total path length of the tornado was nearly four miles. In Bowman County it was on the ground for a little more than two and a half miles and in Harding County for about a mile and a quarter. In North Dakota the tornado did damage on a farm near 45.96 north latitude and 103.41 west longitude, about one mile north of the county and state line. On that farm outbuildings and fences were damaged and trees were uprooted. The farm house had shingles torn from the roof. Also, 21 wooden power poles were damaged to varying degree. The tornado damage corresponded to higher end EF1 and from that wind speeds were estimated to be around 105 mph. In South Dakota the tornado impacted no structures and for that segment it was rated EF0, with lower wind speeds. The overall tornado is rated EF1.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -June 14, 1977

-length 8 miles -width 33 yards -3 miles southeast of Marmarth -deaths 0, injuries 1

Highest wind speed (non-tornadic thunderstorm gust)...

-94 mph

-5:10 PM CDT to 5:30 PM CDT August 7, 2007

-9 miles south-southeast of Bowman to 3 miles east-southeast of Bowman

Largest hailstone...

-3.50 inch diameter

-12:05 AM CDT to 12:30 AM CDT September 8, 2009

-1 mile south of Rhame to 5 miles north of Buffalo...hail swath was 1 to 2 miles wide. Significant damage to roofs on the north and east sides of Bowman...and to structures in rural north / east Bowman County.

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## BURKE COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-27

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF3 (136 to 165 mph) -August 12, 2010 9:26 PM CDT to 9:40 PM CDT

-length 2.55 miles from 3 miles east-northeast of Bowbells to 5.4 miles east of Bowbells

-width 400 yards

-deaths 0, injuries 0

-This tornado crossed from Burke County into Ward County and traveled another 2.48 miles with 1 fatality and 1 injury in Ward County. (Both were in a vehicle that was likely tossed from Burke into Ward where it landed in a field 200 yards off the highway.)

-The worst damage in both counties, and the death and injury, was immediately near the county line along highway 52 and the Des Lacs River. This was the third tornado this evening in Burke County, from the same supercell thunderstorm, with the earlier two being brief and weak. A farm home and six outbuildings (Burke) were destroyed. Nineteen of 21 grain bins were damaged or destroyed. A fifty foot air seeder connected to a cultivator, with combined weight of 60,000 pounds, was picked up, carried 100 yards, and dropped. Another farm (Ward) had trees snapped and uprooted and the chimney on the house damaged. A third farm (Ward) had significant damage. Here a camper was tossed over the river and landed on the Burke County bank of the river. Estimated damage was \$850,000 (total \$1.45 million). Estimated wind speeds were around 165 mph.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -August 05, 1969

-length 1 mile -width 50 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-90 mph

-8:08 PM CDT to 8:23 PM CDT July 15, 2012

-6 miles south-southeast of Northgate

-Law enforcement report. Intense rear flank downdraft straight line winds did extensive damage to a farmstead. Damage included a garage, Quonset, and grain bins destroyed, farm home damage, and trees uprooted.

Largest hailstone...

-2.75 inch diameter

-5:15 PM CDT to 5:20 PM CDT June 14, 2018 (and previous dates)

-Portal

- Extensive damage in and around Portal including to a fire truck. Estimate of damage around \$500,000.

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## BURLEIGH COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-48

-deaths 1 (1 on 07-01-1952), injuries 28 (26 on 07-01-1952, 2 on 11-01-2000)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -July 16, 2011 5:35 PM CDT to 5:46 PM CDT

-length 4.05 miles from 8.5 miles north of Regan to 12.5 miles north of Regan

-width 50 yards

-deaths 0, injuries 0

-This tornado crossed into Sheridan County and traveled an additional 2.13 miles

The tornado uprooted and snapped large trees. Damage was estimated at \$10,000. Estimated wind speeds were around 100 mph.

Highest rated tornado (F) 1950-2006

-F4 (207-260 mph) -July 01, 1952 (data lists two F4 tornadoes on 07-01-1952)

-length 28 miles -width 150 yards -deaths 1, injuries 26

Highest wind speed (non-tornadic thunderstorm gust)...

-96 mph

-2:14 PM CDT to 2:24 PM CDT July 10, 2011

-3.5 miles southwest of Moffit

-Double poled wood transmission lines were snapped. A ranch sign with three foot long concrete anchors was torn from the ground. A camper was flipped off the highway and tossed over a tree row 25 yards away. Damage was estimated at \$250,000.

Largest hailstone...

-4.00 inch diameter

-9:10 PM CDT July 29, 1986

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## CASS COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-99

-deaths 10 (10 on 06-20-1957), injuries 111 (8 on 08-30-1956, 103 on 06-20-1957)

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) -July 4, 2011 9:59 PM CDT to 10:06 PM CDT (and previous dates)

-length 3 miles from 2.5 miles southeast of Amenia to 3 miles northwest of Mapleton

-width 600 yards

-deaths 0, injuries 0

-This tornado took down three sets of dual wooden high voltage power poles. It removed the roof from a farmhouse and blew apart the attached garage. A semi-tractor and trailer were rolled and numerous trees were snapped or uprooted. Smaller sheds were destroyed. Damage was estimated at \$300,000. Estimated wind speeds were around 130 mph.

Highest rated tornado (F) 1950-2006

-F5 (261-318 mph) -June 20, 1957

-length 27 miles -width 500 yards -deaths 10, injuries 103

Highest wind speed (non-tornadic thunderstorm gust)...

-110 mph

-10:34 PM CDT June 24, 2003

-2 miles north of Tower City

-Seven 80 foot tall high voltage power transmission towers blown down.

Largest hailstone...

-4.50 inch diameter

-6:15 PM CDT July 17, 2001

-3 miles north of Chaffee

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# CAVALIER COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-41

-deaths 1 (1 on 06-24-1966), injuries 1 (1 on 06-24-1966)

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) -June 9, 2017 6:45 PM CDT to 7:11 PM CDT

-length 18 miles from 6.5 miles north-northeast of Easby to 5.7 miles east of Milton

-width 800 yards

-deaths 0, injuries 0

-This tornado was partially engulfed in downburst winds and hail. Large wooden power poles were snapped, roofing was stripped off of homes, steel pole sheds were dismantled, numerous steel grain bins were crushed, and large metal segments were carried for a mile downwind. Bean and grain fields were completely stripped. Peak winds were estimated at 120 mph. Estimated damage to property and crops was \$3.5 million.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -June 24, 1985 (and previous dates)

-length 1 mile -width 400 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-110 mph

-6:20 AM CDT June 19, 2005 (and previous dates)

-7 miles east of Langdon

-Barn blown down. Two grain bins ripped from foundations and debris scattered for a quarter mile.

Numerous trees uprooted and snapped. Shingles were torn from buildings and basement windows were broken.

Largest hailstone...

-4.50 inch diameter

-6:45 PM CDT July 19, 2003

-4 miles south of Langdon

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## DICKEY COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-35

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -July 10, 2011 3:48 to 3:50 PM CDT

-length 0.5 miles 5.5 to 6 miles northwest of Merricourt

-width 25 yards

-deaths 0, injuries 0

-A pole barn was damaged and numerous trees were snapped. Damage estimated at \$75,000. Estimated wind speeds were around 90 mph.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -July 27, 1999 (and previous dates)

-1 mile southwest to 1 mile south of Ellendale

-length 2 miles -width 40 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-125 mph

-3:40 PM CDT to 4:50 PM CDT July 10, 2011

-Across nearly the entire county from northwest of Merricourt to southeast of Oakes

-Mature hardwood trees were snapped and others uprooted along a 45 mile long and 4 mile wide path. Several communities had extensive damage to trees and structures. Near Merricourt a home and vehicles were damaged. In Monango 22 inch diameter hardwood trees were snapped. Two miles south of Fullerton a pole barn and grain bins were destroyed. Near Oakes there was extensive damage to buildings and a 200 foot radio station tower was destroyed. Damage was estimated at \$2.25 million.

Largest hailstone...

-4.50 inch diameter

-7:30 PM CDT July 12, 1988 (and previous dates)

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## DIVIDE COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-12

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -June 11, 2007 5:44 to 5:54 PM CDT

-length 3 miles from 21 miles southwest of Crosby to 18 miles southwest of Crosby

-width 70 yards

-deaths 0, injuries 0

-Roof torn from outbuilding on a farm 21 miles southwest of Crosby. No other damage along the path.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -June 14, 1950

-length 24 miles -width 33 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-90 mph

-10:45 PM CDT to 10:55 PM CDT August 10, 2007

-Tree limbs 10 to 12 inches in diameter were snapped. Part of a pool hall roof was blown off. Doors were torn off of several buildings.

Largest hailstone...

-4.50 inch diameter

-4:25 PM CDT July 20, 2001

-15 miles south-southwest of Noonan

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## DUNN COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-23

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) –June 1, 2018 4:34 PM MDT to 4:42 PM MDT

-length 3.49 miles from 9 miles north of Killdeer to 12.5 miles north of Killdeer

-width 200 yards

-deaths 0, injuries 0

-This was the second of two tornadoes this day in Dunn County. The earlier one was rated EF0, this one EF2 after striking a mobile home and completely destroying it. Winds estimated at 125 mph. No one was home at the time so no deaths and no injuries. It later did damage rated EF1 on a farm as it traveled north. People on the farm got to safety as the tornado struck – no deaths nor injuries. Estimated damage overall at \$180,000.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -May 26, 1978

-length 0 miles -width 33 yards -13 miles south-southeast of Manning

-deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-115 mph

-1:15 PM CDT July 13, 1997

-1 mile west of Halliday

-This wind was recorded by a digital instrument on a farm 1 mile west of Halliday. Numerous trees were down and extensive damage to farm and out buildings occurred. A tractor trailer was blown through a fence.

Largest hailstone...

-3.25 inch diameter

-5:00 PM CDT to 5:30 PM CDT July 10, 2016

-Killdeer

-There were two injuries. Damage estimate was \$21 million to property and crops. This was a devastating hail storm. A slow moving supercell thunderstorm produced the hail and wind gusts as high as 75 mph.

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## EDDY COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-20

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) –July 4, 2018 2:29 AM CDT to 2:31 AM CDT (and previous dates 08-03-2016)

-length 1.66 miles about 7 ½ miles west of Hamar (total path around 3 miles)

-width 400 yards

-deaths 0, injuries 0

-This tornado touched down in Eddy Township and crossed into Benson County to near Warwick. Power poles were snapped along Highway 20 and large trees were snapped in and around Warwick. Estimated winds around 115 mph. Damage estimated just over \$50,000. Another tornado occurred this day north of here, in Ramsey County.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -July 11, 1974

-length UNKNOWN -width UNKNOWN

-3 miles west of New Rockford -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-92 mph

-3:30 AM CDT to 3:38 AM CDT July 8, 2018 (and previously on July 4, 2018 at 2:07 AM CDT 1.5 miles north-northeast of Dundas Siding)

-Several reports from 3.5 miles west-southwest and 0.5 miles west of New Rockford and 2.5 miles southwest of Divide Siding

-Numerous trees uprooted, some falling on power lines and causing power outages. Machine shed destroyed. Estimated \$500,000 in damages.

Largest hailstone...

-4.50 inch diameter

-7:04 PM CDT July 28, 1996

-2 miles southwest to 2 miles south of New Rockford

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## EMMONS COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-37

-deaths 0, injuries 3 (2 on 07-12-1976, 1 on 06-09-2001)

Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) -July 16, 2011 9:47 PM CDT to 9:51 PM CDT (and previous dates)

-length 1.86 miles from 7.8 miles east-southeast of Linton to 9.6 miles east of Linton

-width 30 yards

-deaths 0, injuries 0

-There was shelterbelt tree and crop damage on two farms. Damage estimated at \$80,000. Estimated wind speeds were around 85 mph.

Highest rated tornado (F) 1950-2006

-F5 (261-318 mph) -May 29, 1953

-length 7 miles -width 600 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-100 mph

-12:50 AM CDT to 12:57 AM CDT June 3, 2011 (and previous dates)

-6.2 miles south of Kintyre

-A pole barn was destroyed and a stock trailer rolled 200 feet. Also, a garage roof was ripped off, a well house totaled, a grain bin blown over, and windows were blown out of vehicles. Damage was estimated at \$350,000.

Largest hailstone...

-4.50 inch diameter

-9:00 PM CDT June 27, 1981

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John Paul Martin

Warning Coordination Meteorologist

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## FOSTER COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-14

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) –May 30, 2018 12:15 PM CDT to 12:30 PM CDT (and previous dates)

-length 0.89 miles about 1 ½ miles east of Bordulac

-width 50 yards

-deaths 0, injuries 0

-The public reported the tornado touched down in open country.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -July 29, 1972

-length 2 miles -width 20 yards -Grace City area -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-105 mph

-7:20 PM CDT to 7:35 PM CDT July 21, 2014

-0.7 miles north of Bordulac to 0.7 miles south of Grace City

-Severe thunderstorm winds of 65 to 105 miles per hour tore across Foster County causing extensive damage on many farms and in towns. Damage included grain bins destroyed, a grain elevator severely damaged, roofs torn off of outbuildings, and damage to homes. Vehicle damage was also surveyed, including to a semi-tractor that was struck by a grain bin. Agricultural damage was severe and extensive. Damage estimates were \$2 million to property and \$1 million to crops.

Largest hailstone...

-2.75 inch diameter

-6:00 PM CDT August 18, 1994 (and previous dates)

-Carrington

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# GOLDEN VALLEY COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-10

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -June 30, 2015 6:25 PM CDT to 6:43 PM CDT

-length 6.24 miles from 5.2 miles west of Trotters to 7.3 miles southwest of Trotters

-width 50 yards

-deaths 0, injuries 0

-This tornado crossed the state line from Richland County, Montana, in the National Weather Service Glasgow, Montana, County Warning Area, into McKenzie County, North Dakota. It then crossed into Golden Valley County, North Dakota. The total path length of the tornado was nearly 17 miles. Nearly five of those miles in Richland County, six in McKenzie County, and just over six in Golden Valley County. No structures were impacted in North Dakota and for those segments it was rated EF0, however, there was EF1 damage in Montana and so the overall tornado is rated EF1. A 79 year old male was injured in Montana as the mobile home he was in, and another mobile home, was damaged. From the EF1 rating, winds were determined to be around 100 mph with the tornado while it was in Montana, with lower speeds in North Dakota.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -July 19, 1952

-length 7 miles -width 33 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-100 mph \*

-1:38 AM CDT June 13, 1980

-Beach

-\*Winds "over 100 mph" collapsed a small grandstand, moved an unoccupied house off its foundation, knocked trees down, blew the roof off a metal shed, downed power lines, and broke windows.

Largest hailstone...

-4.50 inch diameter

-8:30 PM CDT June 08, 2002

-5 miles north of Sentinel Butte

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

*\*This data was compiled from several sources and contains the best information available. Due to difficulties inherent in the collection of weather data it may not be all inclusive.\**

# GRAND FORKS COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-80

-deaths 1 (1 on 08-26-2007), injuries 20 (2 on 08-11-1958, 18 on 08-26-2007)

Highest rated tornado (EF) 2007-present

-EF4 (166 to 200 mph) -June 17, 2010 4:05 PM CDT to 4:18 PM CDT (and previous dates – see below)

-length 8 miles from 2.9 miles south-southwest of Holmes to 10 miles west of Thompson

-width 150 yards

-deaths 0, injuries 0

-This tornado crossed into Grand Forks County from Traill County where it traveled 9 miles

-A well constructed house near Holmes was completely swept from its foundation and destroyed. Several other farm buildings were destroyed. Damage \$ estimates were not available in StormData, but likely exceeded \$100,000. Estimated wind speeds were around 185 mph.

-EF4 (166 to 200 mph) -August 26, 2007 8:42 to 8:54 PM CDT (and earlier dates – see above)

-length 5 miles from 2 miles southwest of Northwood to 2 miles east-northeast of Northwood

-width 1,400 yards

-deaths 1, injuries 18

-Tremendous and extensive damage in and around the city of Northwood. It was estimated that 90 percent of the 460 homes in Northwood were damaged. The death occurred in a mobile home in a trailer park on the north side of Northwood where 19 units were demolished. Fifteen to 20 vehicles from a car dealership were tossed into a nearby field and in some cases were damaged beyond recognition. Hangars and aircraft at the airport were damaged. Trees throughout the area were uprooted, snapped, or damaged. Damage was estimated at \$52 million.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -August 11, 1958

-length UNKNOWN -width UNKNOWN -deaths 0, injuries 2

Highest wind speed (non-tornadic thunderstorm gust)...

-114 mph

-8:16 PM CDT August 08, 2001

-Grand Forks AFB

-Trees and power lines down on the base.

Largest hailstone...

-3.00 inch diameter

-5:37 PM CDT June 27, 2015

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## GRANT COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-27

-deaths 5 (5 on 07-04-1978), injuries 36 (1 on 06-11-1976, 35 on 07-04-1978)

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) -June 12, 2011 9:15 PM CDT to 9:22 PM CDT

-length about 6 miles from 8 miles south-southwest of Elgin to 3 miles south-southeast of Elgin

-width 800 yards

-deaths 0, injuries 0

-No fewer than four farmsteads were damaged along the path. The worst damage was about 6 miles south-southwest of Elgin where the tornado was nearly a half mile wide and damaged every building on a farm and completely destroyed smaller buildings. There was also damage to trees, vehicles, and power poles. Damage to the other farms was not as severe as the one detailed here and corresponded to EF1 and EF0 damage. Estimated damage was around \$2.05 million. Estimated wind speeds were around 120 mph.

Highest rated tornado (F) 1950-2006

-F4 (207-260 mph) -July 04, 1978 (F4 also on 06-29-1975)

-length 26 miles -width 250 yards -1 mile west of Elgin to south of Carson

-on the ground about an hour -deaths 5, injuries 35

Highest wind speed (non-tornadic thunderstorm gust)...

-126 mph \*

-10:20 PM CDT May 16, 1996

-2 miles southwest to 2 miles south of Heil

-Recorded on farm recording equipment. \* The wind equipment was destroyed at 126 mph.

Largest hailstone...

-4.50 inch diameter

-8:00 PM CDT July 07, 1990

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## GRIGGS COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-37

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -July 16, 2011 7:20 PM CDT to 7:24 PM CDT (and previous dates)

-length 1.0 miles from 0.9 miles east of Revere to 6.0 miles northwest of Hannaford

-width 100 yards

-deaths 0, injuries 0

-Tree damage. Steele roofing sheets were torn from a shed. Damage estimated at \$60,000.

-Peak wind estimated 95 mph.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -July 21, 1987 (and previous dates)

-length 1 mile -width 100 yards -4 miles south of Aneta

-deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-104 mph

-9:10 PM CDT May 8, 2005

-2 miles west northwest of Walum. Trees 4 feet in circumference completely uprooted.

Largest hailstone...

-2.75 inch diameter

-8:35 PM CDT August 9, 2021 (and previous dates)

-6.2 miles north of Binford. Social media report. Hail was larger than the diameter of a soda can.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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# HETTINGER COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-20

-deaths 1 (1 on 06-29-1975), injuries 4 (4 on 06-29-1975)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) –July 12, 2019 9:24 PM MDT to 9:32 PM MDT (and previous dates 06-21-2016)

-length 2.90 miles from just northwest of Mott, through the northeast part of the city, to just southeast Mott

-width 200 yards

-deaths 0, injuries 0

-This was the night of the county fair being held in Mott. Farm bins torn from foundations and a shed destroyed along with a very large building on the fairgrounds. The roof was torn from a storage facility at the intersection of ND8 and ND21 and a house just east of there had its attached garage torn off its foundation and collapsed. Winds estimated at 105 mph and damage estimated at \$1.6 million. A lot of tree damage in Mott was a result of the rear-flank downdraft high winds. NDAWN measured wind on the north side of Mott at 78 knots, 90 mph.

Highest rated tornado (F) 1950-2006

-F4 (207-260 mph) -June 29, 1975

-length 46 miles -width 880 yards -4 miles west of New England to 7 miles southeast of Regent

-deaths 1, injuries 4

Highest wind speed (non-tornadic thunderstorm gust)...

-92 mph

-10:35 PM CDT to 10:45 PM CDT August 12, 2010

-0.8 miles southwest of Mott

-Trees and power lines were damaged. Damage was also done to a grain bin and the elevator in Mott. Damage was estimated at \$350,000.

Largest hailstone...

-4.25 inch diameter

-12:22 AM CDT to 12:32 AM CDT July 14, 2010

-Burt

-Roofs and siding were damaged and windows broken. There was extensive vehicle damage.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## KIDDER COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-21

-deaths 1 (1 on 07-01-1952), injuries 27 (26 on 07-01-1952, 1 on 06-12-1988)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -May 24, 2010 9:00 PM CDT to 9:10 PM CDT

-length 2.35 miles from 6.5 miles south-southeast of Tuttle to 4.3 miles south-southeast of Tuttle

-width 70 yards

-deaths 0, injuries 0

-There was extensive wind damage and in the area and some damage indicative of a tornado with damage to vehicles, garages, stalls, and barns. A garage was blown to the west and animal feeders to the east. Trees were uprooted. Damage estimates were \$250,000. Estimated wind speeds were around 100 mph.

Highest rated tornado (F) 1950-2006

-F4 (207-260 mph) -July 01, 1952

-length UNKNOWN -width UNKNOWN -deaths 1, injuries 26

Highest wind speed (non-tornadic thunderstorm gust)...

-110 mph

-10:38 PM CDT June 25, 1999

-5 miles south to 10 miles southeast of Tuttle

-200 farm building damaged. 51 metal power line towers collapsed. 22 irrigation systems destroyed.

Largest hailstone...

-4.50 inch diameter

-6:51 PM CDT August 31, 1997

-From Steele to 5 miles southwest of Dawson

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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# LAMOURE COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-34

-deaths 0, injuries 1 (1 on 07-17-2011)

Highest rated tornado (EF) 2007-present

-EF3 (136 to 165 mph) -July 17, 2011 5:57 PM CDT to 6:37 PM CDT

-length 16.18 miles from 6.3 miles southeast of Nortonville to 6 miles south-southeast of Berlin

-width 880 yards

-deaths 0, injuries 1

-This was a long tracked tornado across Russell, Wano, Henrietta, and Badger townships. Damage was observed all along the path with no fewer than five farmsteads impacted, some very severely. One injury occurred where the farm home was damaged beyond repair. There were no deaths. The worst damage consisted of a farm home completely destroyed, outbuildings destroyed, a vehicle tossed one-half mile and almost unrecognizable as an automobile, and a significant number of very large trees snapped and uprooted. The violence was evidenced by twisted and mangled trees. Farm animals were killed. Damaged estimated at \$750,000. Estimated wind speeds were around 165 mph.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -May 20, 1974

-length 17 miles -width 33 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-105 mph

-3:04 AM CDT to 3:15 AM CDT July 14, 2010 (and previous dates)

-Grand Rapids

-Numerous trees were snapped and others uprooted. There was damage to roofs and pole barns, and several grain bins were destroyed. Wind was estimated by a NWS damage survey team and later it was learned that a wind tower 10 miles west of Edgeley recorded a 103 mph gust.

Largest hailstone...

-2.75 inch diameter

-6:05 PM CDT to 6:35 PM CDT July 17, 2011 (and previous dates)

-7.1 miles northwest of Berlin

-This hail fell from a thunderstorm that also produced an EF3 tornado in LaMoure County.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## LOGAN COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-17

-deaths 0, injuries 7 (5 on 08-19-1974, 2 on 07-16-1990)

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) -July 10, 2011 2:40 PM CDT to 2:59 PM CDT

-length nearly 12 miles from 7 miles south-southwest of Napoleon to 3.7 miles east of Burnstad

-width 50 yards

-deaths 0, injuries 0

-No fewer than three farmsteads were damaged along the path. The worst damage was 7 miles south-southwest of Napoleon where an 18,000 bushel grain bin was thrown 250 yards, and 1,800 feet of shelter belt with trees 100 feet tall was devastated. To the east-southeast a 10 ton grain bin was rolled three quarters of a mile and damaged a barn on the next farm. Estimated damage was \$450,000. Estimated wind speed was 120 mph.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -August 19, 1974

-length UNKNOWN -width UNKNOWN -deaths 0, injuries 5

Highest wind speed (non-tornadic thunderstorm gust)...

-100 mph

-1:50 AM CDT to 2:00 AM CDT June 22, 2016 (and previous dates)

-7.3 miles west of Burnstad

-Power lines were down south of Napoleon along Highway 3. A 70 foot tall electrical high-voltage structure was toppled. Significant farm damage. Damage estimate \$1.25 million.

Largest hailstone...

-3.50 inch diameter

-7:45 PM CDT to 8:50 PM CDT August 26, 2007

-4 miles northeast of Napoleon to 8 miles northeast of Napoleon, and 17 miles east of Napoleon (several reports)

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## McHENRY COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-35

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -June 22, 2007 7:30 to 7:45 PM CDT

-length 0.5 miles from 6 miles south of Upham to 6.5 miles south of Upham

-width 250 yards

-deaths 0, injuries 0

-Damage to trees and outbuildings on one farm.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -June 6, 1982

-length 8 miles -width 100 yards -5 miles southeast of Surrey to 4 miles south of Granville

-deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-90 mph

-12:30 AM CDT to 12:35 AM CDT July 8, 2020

-1.4 miles west of Anamoose to Anamoose

-Estimated \$850,000 in damage.

-Emergency manager report. A fertilizer and chemical storage building was destroyed. A one-half mile stretch of power lines were down onto highway 52. Many trees were severely damaged or toppled in Anamoose and vehicles and structures were damaged.

Largest hailstone...

-4.00 inch diameter

-11:15 PM CDT to 11:17 PM CDT June 06, 2004

-Voltaire

-Accompanied by strong wind. EM reported downed trees and broken windows along with shingle and siding damage to houses and farm buildings.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## McINTOSH COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-21

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) -June 18, 2014 7:08 PM CDT to 7:09 PM CDT (and previous dates)

-length 0.02 miles around 4 miles southwest of Ashley

-width 20 yards

-deaths 0, injuries 0

-this tornado touched down briefly in open country just off of North Dakota Highway 3 south of Ashley.

There was no damage so this tornado was rated EF0.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -July 31, 1966

-length 1 mile -width 33 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-92 mph

-2:20 AM CDT August 24, 1995

-Wishek

-8,000 pound grain truck tipped over.

Largest hailstone...

-2.75 inch diameter

-8:45 PM CDT June 9, 2001 (and previous dates)

-Ashley

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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# McKENZIE COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-23  
-deaths 1 (1 on 07-09-2018), injuries 38 (1 on 07-02-1990, 9 on 05-26-2014, 28 on 07-09-2018)

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) –July 10, 2018 12:45 AM CDT to 12:48 AM CDT (and previous dates 05-26-2014)  
-length 0.53 miles through the southwest side of Watford City  
-width 400 yards  
-deaths 1, injuries 28  
-This tornado took the life of a 6 day old infant boy and injured 28 other people, about 13 of them seriously, and displaced about 135 people from their homes. It did an estimated \$3.5 million in damage with its estimated 127 mph winds. The tornado passed through a large recreational vehicle, camper, and mobile home park causing extensive and severe damage to over 100 vehicles, campers, and single wide manufactured homes. Power poles were snapped and other smaller buildings were destroyed, including a well-built pole barn.

-EF2 (111 to 135 mph) –May 26, 2014 7:46 PM CDT to 7:56 PM CDT (and see above)  
-length 0.46 miles around 6.2 miles south of Watford City -width 100 yards -deaths 0, injuries 9  
-Thirteen campers, serving as homes, were completely destroyed and two more were damaged by this tornado. Other damage included a snapped wooden power line pole, automobiles, and fences, both wooden and metal. One automobile was tossed sixty feet and flipped onto its roof, with a trailer parked next to its initial location also flipped and completely destroyed. About a dozen other vehicles were damaged, some destroyed. Estimated winds 120 mph. Damage was estimated at \$2.5 million.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -July 01, 1952  
-length 10 miles -width 33 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-96 mph  
-11:04 PM CDT July 29, 1995  
-Watford City

Largest hailstone...

-4.50 inch diameter  
-8:05 PM CDT September 4, 1996 (and previous dates)  
-Keene

Updated 1-1-2022

John Paul Martin  
Warning Coordination Meteorologist  
NWS Bismarck ND

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## McLEAN COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-42

-deaths 0, injuries 9 (5 on 05-24-1975, 4 on 07-09-2007)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -July 9, 2007 7:25 to 7:34 PM CDT

-length 1.5 miles from 6 miles south of White Shield to 8 miles south-southeast of White Shield

-width 60 yards

-deaths 0, injuries 4

-Tornado occurred on the Fort Berthold Reservation of McLean County. One manufactured home with three occupants was rolled and badly damaged. A pickup truck, parked nearby, was destroyed as the home rolled on top of it. The truck actually stopped the home from rolling farther. A second mobile home with one occupant was completely destroyed about one mile from the first. Wind driven hail accompanied the tornado and resulted in 100 percent crop loss in the area. Damage was estimated at \$950,000.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -June 05, 1956

-length UNKNOWN -width UNKNOWN -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-125 mph

-7:27 PM CDT to 7:38 PM CDT July 12, 2006

-Coleharbor

-Damage was extensive and severe. Nearly every building in the town of about 80 people was damaged. The degree of damage varied with heavier damage to structures and trees on the west side of town, including to a school built in 1916 and used until the mid 1960s. Just across highway 83, on the west side of town, an empty railroad coal car was off the tracks and on its side. The damage pattern, coupled with comments from eye witnesses and 88D RADAR data, led to the determination that the event was a wet microburst with wind speeds to 125 mph. Witnesses described a shelf cloud approach, followed by very high wind and then very heavy rain. There were 2 very minor injuries and no fatalities. Outside of town damage included a barn, many trees, and moved straw or hay bales. Damage covered an area just under 2 ½ miles on a side. Severe winds continued for 11 minutes with the highest winds lasting only a few minutes.

Damage was estimated at \$3 Million. Note that 1 mile East of Coleharbor wind speed was measured at 92 mph.

Largest hailstone...

-4.50 inch diameter

-11:55 PM CDT August 6, 1982

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## MERCER COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-21

-deaths 0, injuries 3 (1 on 06-18-1956, 2 on 07-12-1976)

Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) -July 8, 2019 1:52 PM CDT to 1:54 PM CDT (and previous dates)

-length 0.61 miles about 1 ½ miles northwest of Hazen

-width 50 yards

-deaths 0, injuries 0

-The public reported this tornado touched down just northwest of Hazen with high anxiety being so close to the city.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -June 18, 1956

-length 11 miles -width 100 yards -deaths 0, injuries 1

Highest wind speed (non-tornadic thunderstorm gust)...

-130 mph

-12:30 AM CDT to 12:35 AM CDT June 29, 2018

-4.8 miles north-northwest of Stanton. Intense microburst. Every building on property severely damaged or destroyed, including the home. Large trees snapped. Crop damage. Four people inside home – uninjured.

Damage estimate \$475,000.

Largest hailstone...

-5.00 inch diameter

-9:00 PM CDT August 03, 1969

-This ties Sioux County for the North Dakota record diameter hail stone size.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## MORTON COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-53

-deaths 2 (2 on 05-29-1953), injuries 20 (20 on 05-29-1953)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -June 25, 2010 4:55 PM CDT to 5:05 PM CDT (and previous dates)

-length 1.64 miles from 5.1 miles west-southwest of the Mandan airport to 4 miles southwest of the Mandan airport

-width 50 yards

-deaths 0, injuries 0

-Grain bins were destroyed by the tornado and there was crop damage. Damage was estimated at \$250,000.

Estimated wind speeds were around 95 mph.

Highest rated tornado (F) 1950-2006

-F5 (261-318 mph) -May 29, 1953

-length 7 miles -width 600 yards -deaths 2, injuries 20

Highest wind speed (non-tornadic thunderstorm gust)...

-100 mph

-9:32 PM CDT June 25, 1999

-2 miles east-southeast of St. Anthony

-Crumpled six power lines.

Largest hailstone...

-4.50 inch diameter

-8:31 PM CDT July 29, 1986

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## MOUNTRAIL COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-30

-deaths 0, injuries 2 (2 on 06-30-1958)

Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) –July 20, 2016 4:42 PM CDT to 4:46 PM CDT (and previous dates)

-length 0.95 miles from 3.1 miles east-southeast of Palermo to 3.6 miles west-southwest of Blaisdell

-width 30 yards

-deaths 0, injuries 0

-There was no damage.

Highest rated tornado (F) 1950-2006

-F4 (207-260 mph) -July 05, 1955

-length 28 miles -width 100 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-95 mph

-11:35 PM CDT August 06, 1982

-Parshall

-High thunderstorms winds throughout southern Mountrail County. In the New Town area...tree limbs were broken, fences were blown over, television antennas destroyed, and about 18 mobile homes and camping trailers were damaged or destroyed, along with several boats, vehicles, and pontoons. In the Parshall area...1.75 inch hail accompanied the storm. There were eight injuries reported.

Largest hailstone...

-4.50 inch diameter

-6:20 PM CDT July 06, 1971

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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# NELSON COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-38

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF3 (136 to 165 mph) -August 26, 2007 8:04 PM CDT to 8:14 PM CDT

-length 5 miles from 6 miles north-northeast of Aneta to 11 miles north-northeast of Aneta

-width 580 yards

-deaths 0, injuries 0

-A garage and farm outbuildings on three farmsteads were destroyed. Five buffalo were killed. Empty metal grain bins were torn from their anchors and demolished. Gravel roads were deeply scarred by debris. The tornado continued into Grand Forks County.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -July 18, 2001 6:05 PM CDT to 6: 10 PM CDT

-9 miles southwest to 5 miles southwest of Pekin

-length 5 miles -width 150 yards -deaths 0, injuries 0

-A house had the roof torn off and a barn was destroyed. A car was crushed. Estimated damage was \$200,000.

Highest wind speed (non-tornadic thunderstorm gust)...

-96 mph

-3:34 AM CDT June 29, 2018

-0.5 west of McVille

-A grain bin was blown in and there was significant tree damage.

Largest hailstone...

-3.00 inch diameter

-12:34 AM CDT August 17, 1988

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## OLIVER COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-11

-deaths 0, injuries 1 (1 on 06-18-1990)

Highest rated tornado (EF) 2007-present

--EF1 (86 to 110 mph) --July 7, 2020 11:30 PM CDT to 11:31 PM CDT

-length 0.22 miles about 2.8 miles north of Sanger

-width 50 yards

-deaths 0, injuries 0

-Touchdown was at Cross Ranch State Park, passing along the Matah Trail before lifting over the Missouri River. Large cottonwood trees were broken and twisted in different directions. Based on the damage done the tornado was rated EF1 and from that wind speeds were estimated at around 90 mph.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -June 18, 1990

-length 6 miles -width 93 yards -deaths 0, injuries 1

Highest wind speed (non-tornadic thunderstorm gust)...

-85 mph

-10:08 PM CDT to 10:15 PM CDT July 6, 2014

-1.2 miles southwest of Hannover

-Very strong straight line thunderstorm winds resulted in extensive tree and building damage to a farmstead near Hannover . The worst of the damage occurred to a shed, which was blown apart and scattered one half of a mile downwind. Damage was estimated at \$60,000.

Largest hailstone...

-2.75 inch diameter

-01:00 AM CDT to 01:03 AM CDT September 04, 2014 (and previous dates)

-Center

-There was damage to buildings and the hail stripped leaves from trees and broke branches. Damage was estimated at \$200,000 to property and \$100,000 to crops.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

*\*This data was compiled from several sources and contains the best information available. Due to difficulties inherent in the collection of weather data it may not be allinclusive.\**

## PEMBINA COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-42

-deaths 0, injuries 4 (4 on 06-22-1992)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -June 9, 2017 7:12 PM CDT to 7:14 PM CDT (and previous dates)

-length 1.00 mile from 1.4 miles east of Mountain to 3 miles east of Mountain.

-width 200 yards

-deaths 0, injuries 0

-This tornado snapped trees in shelterbelts and demolished a pole shed at a farm. Shingles and roofing materials were peeled from buildings and a television antenna was bent over. Debris was spread downstream and over a wide arc to the north and northwest by the east-southeast moving storm. Wind speeds were estimated at 110 mph.

Highest rated tornado (F) 1950-2006

-F4 (207-260 mph) -June 6, 1999

-5 mile west of Crystal to Mountain

-length 8 miles -width 500 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-91 mph

-7:24 PM CDT June 9, 2017

-3.5 miles east-northeast of Gardar

-Gust measured at personal weather station.

Largest hailstone...

-4.50 inch diameter

-9:00 AM CDT August 27, 1990

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## PIERCE COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-16

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -July 20, 2011 6:50 AM CDT to 6:55 AM CDT

-length 1.25 miles 4 to 5 miles south of Rugby

-width 50 yards

-deaths 0, injuries 0

-The tornado was within a larger area of straight line winds. Buildings were damaged and a few destroyed. Three power poles and several trees were snapped or uprooted. A semi-truck was picked up and tossed into a ditch along highway 3. Estimated damage was nearly \$500,000. Winds were estimated at 100 mph.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -August 21, 1973

-length UNKNOWN -width UNKNOWN -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-110 mph

-4:47 AM CDT to 4:57 AM CDT June 19, 2005

-6 miles southwest Silva to 4 miles southeast Silva

-Six miles of 230 KV high voltage transmission lines were blown down. Damage was estimated at \$1.8 million.

Largest hailstone...

-3.00 inch diameter

-6:15 PM CDT June 26, 1986

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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# RAMSEY COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-49

-deaths 0, injuries 1 (1 on 08-05-1966)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) –July 4, 2018 3:20 AM CDT to 3:21 AM CDT (and previous dates 07-21-2013)

-length 1 mile about 5 miles northwest of Lawton

-width 150 yards

-deaths 0, injuries 0

-An old barn was peeled open and sections of its walls were flung to the north with timbers penetrating a home 80 yards to the north. Winds estimated at 105 mph. Damage estimated just over \$200,000. Another tornado occurred this day south of here, moving from Eddy into Benson County.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -June 12, 1976 (and previous dates)

-length UNKNOWN -width UNKNOWN -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-115 mph

-5:45 PM CDT August 8, 1966

Largest hailstone...

-2.75 inch diameter

-5:47 PM CDT August 10, 2006 (and previous dates)

-14 miles east-northeast of Devils Lake

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## RANSOM COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-28

-deaths 0, injuries 8 (1 on 06-25-1969, 7 on 08-29-1970)

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) -July 14, 2010 3:59 AM CDT to 4:11 AM CDT (and previous dates)

-length 9.12 miles from 3 miles west of Lisbon airport to 4 miles east of Lisbon

-width 300 yards

-deaths 0, injuries 0

-The tornado was embedded in a squall line which also produced large hail and a wide swath of damaging downburst winds. The most extreme tornado damage was on two farms, one four miles west of Lisbon where a barn was ripped off its foundation and destroyed, and another four miles east-southeast of Lisbon where a well-constructed steel shop was blown apart. At least three wooden power poles were snapped at two different locations east of Lisbon. Numerous large trees were uprooted in Lisbon and many homes and businesses had extensive roofing damage. Estimated damage was \$2.4 million. Estimated wind speeds were around 120mph.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -August 15, 1999 (and previous dates)

-length 20 miles -width 400 yards

-5 miles northwest of Fort Ransom to 6 miles north of Lisbon

-deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-115 mph

-3:06 PM CDT to 3:12 PM CDT September 7, 2016

-7.2 miles south-southeast of Elliott to 7.5 miles south-southeast of Lisbon

-Downburst wind and wind driven hail heavily damaged cropland. Several farmsteads were impacted, with a machine shed and pole barn completely destroyed. A trailer home and tractor were tipped onto their sides and large steel grain bins were popped off their pads and crushed. At least 18 power poles were snapped or cracked. Numerous trees were snapped and uprooted.

Largest hailstone...

-4.50 inch diameter

-11:00 PM CDT August 24, 1991

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## RENVILLE COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-25

-deaths 1 (1 on 07-23-1997), injuries 3 (1 on 07-08-1989, 2 on 07-23-1997)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -July 8, 2009 9:30 to 9:50 PM CDT

-length 10.5 miles from 9 miles west-southwest of Sherwood to 2 miles west-southwest of Loraine

-width 50 yards

-deaths 0, injuries 0

-Damage on a farm 9 west and 4 south of Sherwood. 90 mph.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -July 23, 1997

-12 miles south to 12 miles southeast of Greene

-length 0 miles -width 30 yards -deaths 1, injuries 2

Highest wind speed (non-tornadic thunderstorm gust)...

-98 mph

-9:45 PM CDT July 10, 1997

-Tolley

-An 85,000 bushel grain bin, with 4,000 bushels in it, was toppled.

Largest hailstone...

-2.75 inch diameter

-8:00 PM CDT to 8:05 PM CDT July 21, 2017 (and previous dates)

-3.9 miles west-northwest of Loraine

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## RICHLAND COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-55

-deaths 2 (2 on 07-02-1955), injuries 30 (19 on 07-02-1955, 11 on 05-05-1964)

Highest rated tornado (EF) 2007-present

-EF4 (166 to 200 mph) -August 7, 2010 6:25 PM CDT to 6:37 PM CDT

-length 2.5 miles from 3.1 miles south-southwest of Tyler to 3.3 miles south-southeast of Tyler

-width 600 yards

-deaths 0, injuries 0

-This tornado crossed the Bois de Sioux River into Wilkin County, MN, where it continued for another 2.5 miles. Estimated wind speeds were around 175 mph. No other details were included in StormData.

Highest rated tornado (F) 1950-2006

-F4 (207-260 mph) -July 2, 1955

-length 9 miles -width 150 yards -deaths 2, injuries 19

Highest wind speed (non-tornadic thunderstorm gust)...

-90 mph

-4:15 AM CDT July 8, 2020 (and previous dates)

-Fairmount

-This was a squall line with embedded microburst. Large branches and smaller trees were snapped. Garage doors were blown in and a fertilizer plant had its large north-facing overhead door blown in and a section of its northeast side wall blown out. An NWS damage survey was conducted.

Largest hailstone...

-4.50 inch diameter

-6:45 PM CDT July 14, 1998 (and previous dates)

-Abercrombie

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## ROLETTE COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-17

-deaths 0, injuries 3 (3 on 07-07-2008)

Highest rated tornado (EF) 2007-present

-EF3 (136 to 165 mph) -July 7, 2008 2:50 to 3:45 PM CDT

-length 17.6 miles from 5.44 miles east northeast of San Haven to 3.3 miles east northeast of Rolla

-width 250 yards

-deaths 0, injuries 3

-West and northwest of Belcourt was EF1-EF2 damage with around 70 structures impacted (around 315 PM).

EF3 damage was found in Rolla where 12 homes were destroyed and 18 homes were damaged (around 330 PM). There was one injury around Belcourt, and two around Rolla. The tornado weakened as it moved east of Rolla, where EF2 damage was found. This tornado crossed into Towner County, ND. 140 mph estimated speed. NWS storm damage survey was conducted the following day.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -May 20, 1965

-length 4 miles -width 50 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-85 mph

-7:30 to 7:37 PM CDT June 25, 2011

-11.2 miles west of Nanson

-The roof was torn from a barn. Damage was estimated at \$30,000.

Largest hailstone...

-3.00 inch diameter

-4:20 PM CDT to 4:28 PM CDT August 3, 2016

-10.7 miles northwest of San Haven

-About \$250,000 damage to property and crops.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## SARGENT COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-25

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) -July 10, 2011 4:50 PM CDT to 5:27 PM CDT

-length 26 miles from around 4 miles west of Nicholson to 2.5 miles southeast of Cayuga

-width 600 yards

-deaths 0, injuries 0

-Tornado was enshrouded in downburst winds and heavy rain. It was briefly visible near Cogswell. Nearly seven miles of trees and dual wooden high voltage power poles were snapped and pole sheds and steel grain bins were destroyed along the path. Estimated damage was \$2.8 million. Estimated wind speeds around 120 mph.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -July 1, 1973

-length UNKNOWN -width UNKNOWN -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-127 mph

-4:49 PM CDT July 10, 2011

-2 miles west-northwest Straubville

-Wind speed was measured at a wind energy tower. This was a downburst wind. Damaged was estimated at \$150,000.

Largest hailstone...

-2.75 inch diameter

-9:05 PM CDT July 2, 2018

-0.7 miles north of Cogswell

-Broadcast media report.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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# SHERIDAN COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-19

-deaths 0, injuries 1 (1 on 07-13-2003)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -July 16, 2011 5:46 PM CDT to 5:51 PM CDT

-length 2.13 miles from 10.2 miles south-southeast of Pickardville to 8.5 miles south-southeast of Pickardville

-width 50 yards

-deaths 0, injuries 0

-This tornado crossed into Sheridan County from Burleigh County where it first traveled 4.05 miles

-The tornado uprooted and snapped large trees in Burleigh County but there was no damage reported in Sheridan County. Estimated wind speeds were around 100 mph based on the Burleigh County damage.

Highest rated tornado (F) 1950-2006

-F1 (73-112 mph) -July 13, 2003 (and previous dates)

-21 miles west-northwest of Pickardville to Pickardville

-length 21 miles -width 40 yards -deaths 0, injuries 1

-Tornado crossed from McLean County. Damage to elevator and boy injured in Pickardville.

Highest wind speed (non-tornadic thunderstorm gust)...

-81 mph

-9:30 to 9:50 PM CDT May 24, 2010 (and previous dates)

-Martin

-There was damage to trees and to a farm. Damage was estimated at \$10,000.

Largest hailstone...

-4.00 inch diameter

-5:30 PM CDT August 24, 1983

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## SIOUX COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-16

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) -May 24, 2010 6:05 PM CDT to 6:10 PM CDT

-length 0.73 miles 50 miles west of Selfridge

-width 40 yards

-deaths 0, injuries 0

-This tornado crossed into Grant County.

-There was damage in Sioux County to the roof of a farmstead. Damage was estimated at \$25,000. Estimated wind speeds were around 90 mph.

Highest rated tornado (F) 1950-2006

-F1 (73-112 mph) -June 25, 1999 (and previous dates)

-length 1 mile -width 20 yards -5 miles north to 5 miles north of Selfridge

-deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-96 mph

-7:30 PM CDT to 7:40 PM CDT July 9, 2007

-10 miles south of Solen

-Damage to outbuildings, grain bins, a horse trailer, picnic benches, empty oil drums, and other items. Location was 10 miles south and 1 mile east of Solen.

Largest hailstone...

-5.00 inch diameter

-12:40 to 12:55 AM CDT July 14, 2010

-7.8 miles south-southwest of Cannonball

-This ties Mercer County for the North Dakota record diameter hail stone size.

-This hail fell at the Prairie Knights Resort. There was extensive damage across the county from no fewer than three thunderstorms passing through, all with golf ball or larger size hail. Two people were injured at the resort.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## SLOPE COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-11

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) -September 9, 2010 5:00 PM CDT to 5:05 PM CDT (and previous dates)

-length 0.82 miles from 12.4 miles north of Marmarth to 13.1 miles north of Marmarth

-width 40 yards

-deaths 0, injuries 0

-The tornado touched down near a farmstead where a small outbuilding and some small trees were damaged.

Estimated damage was \$30,000. Estimated wind speeds were around 85 mph.

Highest rated tornado (F) 1950-2006

-F1 (73-112 mph) -June 08, 1991

-length 0 miles -width 7 yards -9 miles north of Rhame -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-143 mph

-8:12 PM CDT September 15, 1997

-20 miles northwest to 7 miles northwest of Amidon

-Severe thunderstorm winds continued through 8:30 PM CDT.

-Downburst winds developed over the Logging Creek Ranch where between 300 and 400 Ponderosa Pines were knocked down or torn in half. Four miles south of the logging camp a rancher had two roofs blown off sheds and his steel wind mill was doubled over. At the Sand Creek Wildlife Refuge 7 miles northwest of Amidon another 200 to 300 pines were stripped, torn in half, or toppled altogether. At the refuge the Forest Service had a wind recorder that recorded a peak gust of 135 mph.

Largest hailstone...

-4.50 inch diameter

-7:30 PM CDT July 17, 2003

-15 miles east-southeast of Marmarth

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## STARK COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-24

-deaths 0, injuries 2 (2 on 07-08- 2009)

Highest rated tornado (EF) 2007-present

-EF3 (111 to 135 mph) -July 8, 2009 9:15 to 9:30 PM CDT

-length 2.3 miles through the extreme south side of Dickinson...south of the Heart River.

-width 350 yards

-deaths 0, injuries 2

-Tornado likely rain wrapped. 450 structures damaged with 100 of those beyond repair or completely destroyed. Numerous vehicles damaged...some flipped onto their roofs. Power lines and trees snapped. Rear Flank Downdraft of the storm caused more damage. Tornado estimated speed of 150 mph.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -June 4, 1976 (and previous dates)

-length 6 miles -width 33 yards -north of Belfield

-deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-105 mph

-10:26 PM CDT June 11, 1980

-Taylor

-A shed and several barns were destroyed. A grain bin was moved off its foundation, fences were ripped down, and hay wagons were overturned.

Largest hailstone...

-3.00 inch diameter

-7:55 PM CDT to 7:59 PM CDT August 10, 2016 (and previous dates)

-5.5 miles north of Richardton with about \$250,000 in property and crop damage.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## STEELE COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-43

-deaths 0, injuries 1 (1 on 06-21-1997)

Highest rated tornado (EF) 2007-present

-EF2 (111 to 135 mph) –August 9, 2021 9:20 PM CDT to 9:28 PM CDT (and previous dates)

-length 2.88 miles from 5 miles north-northeast of Sharon to 5.9 miles northeast of Sharon

-width 300 yards

-deaths 0, injuries 0

-This tornado completely dismantled and destroyed a barn and snapped and uprooted trees. Damage estimate was about \$155,000.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -June 21, 1971

-length 14 miles -width 500 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-105 mph

-2:35 AM CDT August 1, 2011

-Hope

-More than 25 trees were uprooted. Some landed on homes and automobiles. There was also damage to the grain elevator.

Largest hailstone...

-4.50 inch diameter

-5:45 PM CDT July 17, 2001 (and previous dates)

-10 miles south of Finley

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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# STUTSMAN COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

## Total number of tornadoes...

-54

-deaths 0, injuries 9 (1 on 08-24-1959, 3 on 08-23-1968, 2 on 06-19-1970, 2 on 06-22-1983,  
1 on 06-13-2000)

## Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) –June 15, 2019 2:53 PM CDT to 2:55 PM CDT (and previous dates)

-length 0.37 miles about 7 miles southwest of Edmunds

-width 30 yards

-deaths 0, injuries 0

-This tornado was reported by the public and touched down in a field west of Pingree with some damage to crops. There was another tornado this day north of here, in Wells County.

## Highest rated tornado (F) 1950-2006

-F4 (207-260 mph) -August 11, 2002

-5 miles north to 5 miles northeast of Medina

-length 1 mile -width 300 yards -deaths 0, injuries 0

## Highest wind speed (non-tornadic thunderstorm gust)...

-120 mph

-7:15 AM CDT to 7:25 AM CDT September 14, 2018

-4.8 miles south of Cleveland

-Two single legged aluminum and steel electrical towers over a quarter mile were damaged and seven were destroyed. \$12 million in damage.

## Largest hailstone...

-4.50 inch diameter

-6:20 PM CDT August 31, 1997 (and previous dates)

-Jamestown

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## TOWNER COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-32

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF3 (136 to 165 mph) -July 7, 2008 3:45 to 3:50 PM CDT

-length 3 miles from 7.3 miles west of Armourdale to 11 miles west northwest of Rocklake

-width 75 yards

-deaths 0, injuries 0

-This tornado crossed from Rolette County, ND, where it did EF3 damage. It was weakening as it moved into Towner County, where damage was EF1 (90 mph) to trees and crops.

Highest rated tornado (F) 1950-2006

-F1 (73-112 mph) -June 12, 1993

-length UNKNOWN -width UNKNOWN

-7 miles south of Rolla to 10 miles southeast of Rolla (crossed county line)

-deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-98 mph

-6:23 PM CD August 3, 2016

-2.5 miles north-northwest of Arndt

-Storm chaser report of power lines and poles snapped along highway 281.

Largest hailstone...

-3.00 inch diameter

-8:00 PM CDT May 27, 2006

-6 miles south of Bisbee

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## TRAILL COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-33

-deaths 0, injuries 1 (1 injury on 06-17-2010)

Highest rated tornado (EF) 2007-present

-EF4 (166 to 200 mph) -June 17, 2010 3:49 PM CDT to 4:05 PM CDT

-length 9 miles from 2.5 miles southeast of Portland JCT to 2 miles southeast of Hattonairport

-width 150 yards

-deaths 0, injuries 1

-This tornado crossed into Grand Forks County and traveled an additional 8 miles.

-In Traill County trees were snapped, uprooted, and sheared off. A farm shop was destroyed five and a half miles north of Mayville and a person inside was injured. Damage \$ estimates were not included in StormData, but likely exceeded \$50,000. Estimated wind speeds were around 185 mph.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -June 16, 1973

-length UNKNOWN -width UNKNOWN -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-110 mph

-1:20 AM CDT August 8, 2001

-Hillsboro

-A Davis system measured a 110 mph wind gust. Sustained winds were measured at 100 mph. 2,400 trees were blown down along with 23 miles of power lines. Road and business signs were folded over and some windows in town were blown in. 25 percent of the 200 homes in town had damage. The courthouse dome was damaged and the local government communications tower was blown over. Several semi-trucks were flipped over along Interstate 29.

Largest hailstone...

-2.75 inch diameter

-5:30 PM CDT July 21, 1987

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## WALSH COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-54

-deaths 0, injuries 1 (1 on 07-06-1971)

Highest rated tornado (EF) 2007-present

-EF1 (86 to 110 mph) –July 11, 2017 6:30 PM CDT to 6:46 PM CDT (and previous dates)

-length 7.00 miles from 3.7 miles east of Fairdale to 2 miles east-northeast of Adams

-width 150 yards

-deaths 0, injuries 0

-This tornado snapped a few hardwood trees at different locations. Winds were estimated at 105 mph.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph) -June 06, 1999 (and previous dates)

-10 miles southwest of Lankin to 13 miles southwest of Adams

-length 3 miles -width 150 yards -deaths 0, injuries 0

Highest wind speed (non-tornadic thunderstorm gust)...

-110 mph

-12:05 PM CDT July 2, 2003

-Fairdale

-Four 75 foot tall 30,000 bushel grain bins crushed. The bins were about half full. A roof was blown off a fertilizer plant and numerous trees were uprooted.

Largest hailstone...

-4.00 inch diameter

-6:45 PM CDT July 19, 2016 (and previous dates)

-Social media report

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## WARD COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-55

-deaths 1 (1 on 08-12-2010), injuries 2 (1 on 08-02-1960 and 1 on 08-12-2010)

Highest rated tornado (EF) 2007-present

-EF3 (136 to 165 mph) -August 12, 2010 9:40 PM CDT to 9:55 PM CDT

-length 2.48 miles from 9.7 miles north-northeast of Niobe to 9.2 miles north of Kenmare

-width 400 yards -deaths 1, injuries 1

-This tornado crossed from Burke County, where it traveled 2.55 miles, into Ward County. There was 1 fatality and 1 injury in Ward County. (Both were in a vehicle that was likely tossed from Burke into Ward where it landed in a field 200 yards off the highway.)

-The worst damage in both counties, and the death and injury, was immediately near the county line along highway 52 and the Des Lacs River. This tornado was the third of the evening from the same supercell thunderstorm. All three started in Burke with only the third one making it into Ward County. The earlier two tornadoes were brief and weak. A farm home and six outbuildings (Burke) were destroyed. Nineteen of 21 grain bins were damaged or destroyed. A fifty foot air seeder connected to a cultivator, with combined weight of 60,000 pounds, was picked up, carried 100 yards, and dropped. Another farm (Ward) had trees snapped and uprooted and the chimney on the house damaged. A third farm (Ward) had significant damage. Here a camper was tossed over the river and landed on the Burke County bank of the river. Estimated damage was \$600,000 (total \$1.45 million). Estimated wind speeds were around 165 mph.

Highest rated tornado (F) 1950-2006

-F2 (113-157 mph)

-June 06, 2004 (and previous dates June 06, 1982)

-7:34 PM CDT to 7:53 PM CDT

-length 8 miles from 3 miles west of Douglas to 22 miles south-southwest of Minot

-width 150 yards -deaths 0, injuries 0

-Barn destroyed 2 miles west of Douglas. One horse and 3 goats killed. Several outbuildings damaged and 45 evergreen trees uprooted.

Highest wind speed (non-tornadic thunderstorm gust)...

-119 mph

-8:15 PM CDT July 23, 1997

-Minot AFB

Largest hailstone...

-2.75 inch diameter

-2:30 PM CDT to 2:33 PM CDT September 20, 2019 0.5 miles west of Burlington (and previous dates) to

include the same day from 12:35 PM CDT to 12:38 PM CDT September 20, 2019 8.3 miles west of Berthold

-Vehicle and home windows broken and home siding damaged. Damage estimate of \$200,000.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS BismarckND

*\*This data was compiled from several sources and contains the best information available. Due to difficulties inherent in the collection of weather data it may not be all inclusive.\**

## WELLS COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-25

-deaths 0, injuries 1 (1 on 06-15-1952)

Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) –June 15, 2019 4:29 PM CDT to 4:31 PM CDT (and previous dates)

-length 0.46 miles about 3 ½ miles west of Cathay

-width 30 yards

-deaths 0, injuries 0

-Law enforcement reported the tornado touched down in a field near Cathay with damage to crops. There was another tornado this day south of here, in Stutsman County.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -June 15, 1952

-length 2 miles -width 33 yards -deaths 0, injuries 1

Highest wind speed (non-tornadic thunderstorm gust)...

-91 mph

-3:25 AM CDT to 3:28 AM CDT July 8, 2018

-6.1 miles northeast of Cathay.

-Wind speed measured – public report – no word on damage.

Largest hailstone...

-3.50 inch diameter

-8:47 PM CDT to 8:52 PM CDT June 28, 2018

-6.1 miles west-southwest of Harvey. Damage to farm buildings. Crop damage minimal as there was little wind with the hail. About \$50,000 in damage total.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS Bismarck ND

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## WILLIAMS COUNTY NORTH DAKOTA STATISTICS

January 1, 1950 through December 31, 2021

Total number of tornadoes...

-25

-deaths 0, injuries 0

Highest rated tornado (EF) 2007-present

-EF0 (65 to 85 mph) –July 26, 2015 3:25 PM CDT to 3:31PM CDT (and previous dates)

-length 3.09 miles from 13.3 miles south of Tioga to 11.8 miles south of Tioga

-width 50 yards

-deaths 0, injuries 0

-The tornado was reported by a trained spotter to be in open country southeast of Ray. There were no reports of damage or impacted structures so the rating is EF0.

Highest rated tornado (F) 1950-2006

-F3 (158-206 mph) -5:30 PM CDT July 11, 1974

-6 miles southeast of Tioga

-length UNKNOWN -width UNKNOWN -deaths 0, injuries 0

Highest wind speed (non-tornadic gust)...

-113 mph

-10:50 PM CDT July 5, 1998

-2 miles northeast of Epping

-85 empty rail cars tipped over between Epping and Wheelock.

A grain elevator and blacksmith shop in Epping were damaged.

The roof was torn from barn 2 miles southeast of Epping.

Largest hailstone...

-2.75 inch diameter

-7:30 PM CDT to 7:40 PM CDT July 21, 2012

-8.5 miles north-northwest of Trenton

-Largest hail stones were few and there were no reports of damage.

Updated 1-1-2022

John Paul Martin

Warning Coordination Meteorologist

NWS BismarckND

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