

## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>NORTH DAKOTA, Central and West</b>				
<b>KIDDER COUNTY --- 5.8 NW DAWSON [46.92, -99.83]</b>				
	06/02/17 14:25 CST	0		Thunderstorm Wind (EG 52 kt)
	06/02/17 14:28 CST	0		Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
<b>KIDDER COUNTY --- 2.5 ENE DAWSON [46.88, -99.68]</b>				
	06/02/17 14:50 CST	0		Hail (1.00 in)
	06/02/17 14:52 CST	0		Source: Public
<b>KIDDER COUNTY --- 0.8 SW ROBINSON [47.14, -99.78]</b>				
	06/02/17 15:00 CST	0		Hail (1.00 in)
	06/02/17 15:03 CST	0		Source: Public
<b>KIDDER COUNTY --- 0.5 W CRYSTAL SPGS [46.88, -99.48]</b>				
	06/02/17 16:00 CST	0		Hail (1.00 in)
	06/02/17 16:03 CST	0		Source: NWS Employee
<b>STUTSMAN COUNTY --- 7.3 NNW STREETER [46.74, -99.43]</b>				
	06/02/17 16:15 CST	0		Hail (1.75 in)
	06/02/17 16:18 CST	0		Source: Public
<b>STUTSMAN COUNTY --- 4.7 NW MEDINA [46.92, -99.38]</b>				
	06/02/17 16:18 CST	0		Hail (0.88 in)
	06/02/17 16:20 CST	0		Source: Public
<b>STUTSMAN COUNTY --- 1.4 N MEDINA [46.90, -99.30]</b>				
	06/02/17 16:34 CST	0		Hail (1.00 in)
	06/02/17 16:36 CST	0		Source: NWS Employee
<b>STUTSMAN COUNTY --- 8.4 SW MEDINA [46.79, -99.42]</b>				
	06/02/17 17:40 CST	2K		Thunderstorm Wind (EG 52 kt)
	06/02/17 17:43 CST	0		Source: Public
Some pieces of tin were blown off a roof on a building.				
<b>KIDDER COUNTY --- 5.3 NW CRYSTAL SPGS [46.94, -99.54]</b>				
	06/02/17 18:00 CST	0		Hail (1.00 in)
	06/02/17 18:02 CST	0		Source: Public
Scattered supercell thunderstorms developed in an environment with strong instability but lower end shear ahead of a cold front. This produced severe weather over portions of Kidder and Stutsman counties.				
<b>SLOPE COUNTY --- 12.3 NNE MARMARTH [46.47, -103.82]</b>				
	06/05/17 14:30 MST	0		Hail (0.75 in)
	06/05/17 14:33 MST	0		Source: Public
<b>BOWMAN COUNTY --- 15.1 SW RHAME [46.08, -103.88]</b>				
	06/05/17 15:01 MST	0		Hail (1.00 in)
	06/05/17 15:05 MST	0		Source: Public
A surface low moved from Montana into southwestern North Dakota where modest instability and deep layer shear were noted. Thunderstorms developed over southwest North Dakota which were quick to intensify and weaken. One storm briefly became severe over Bowman County, and produced one-inch diameter hail.				
<b>MCLEAN COUNTY --- 0.5 E TURTLE LAKE [47.52, -100.89]</b>				

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	06/09/17 15:42 CST		0	Hail (1.75 in)
	06/09/17 15:45 CST		0	Source: Public
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<b>MCLEAN COUNTY --- 0.5 E TURTLE LAKE [47.52, -100.89]</b>				
	06/09/17 15:45 CST		0	Hail (1.00 in)
	06/09/17 15:48 CST		0	Source: Amateur Radio
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<b>MCLEAN COUNTY --- 0.5 E TURTLE LAKE [47.52, -100.89]</b>				
	06/09/17 15:55 CST		0	Hail (1.50 in)
	06/09/17 15:57 CST		0	Source: Amateur Radio
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<b>SHERIDAN COUNTY --- PICKARDVILLE [47.47, -100.58]</b>				
	06/09/17 16:12 CST		0	Hail (1.50 in)
	06/09/17 16:15 CST		0	Source: Public
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<b>MCHENRY COUNTY --- DEERING [48.40, -101.05]</b>				
	06/09/17 16:25 CST		0	Hail (1.75 in)
	06/09/17 16:28 CST		0	Source: Public
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<b>SHERIDAN COUNTY --- 4.9 N DENHOFF [47.55, -100.26]</b>				
	06/09/17 17:17 CST		0	Hail (2.00 in)
	06/09/17 17:19 CST		0	Source: Trained Spotter
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<b>MCHENRY COUNTY --- 2.8 E TOWNER [48.35, -100.34]</b>				
	06/09/17 17:27 CST		0	Thunderstorm Wind (MG 74 kt)
	06/09/17 17:30 CST		0	Source: Storm Chaser
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<b>MCHENRY COUNTY --- 2.0 NE TOWNER [48.37, -100.37]</b>				
	06/09/17 17:30 CST		0	Thunderstorm Wind (EG 52 kt)
	06/09/17 17:33 CST		0	Source: COOP Observer
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Thunderstorm wind gust speed estimated by a COOP observer.				
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<b>PIERCE COUNTY --- 6.5 W RUGBY [48.36, -100.12], 0.8 W RUGBY [48.37, -100.00]</b>				
	06/09/17 17:37 CST		75K	Thunderstorm Wind (EG 76 kt)
	06/09/17 18:00 CST		0	Source: Other Federal Agency
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Very strong straight line winds occurred with a thunderstorm that moved from west of Rugby into Rugby . The strongest wind gust reported was an instantaneous, non-averaged measurement of 104 mph taken three miles west of Rugby by a research team from the National Severe Storms Laboratory, which would correlate to an estimated 87 mph 5-second average gust based upon past published research. Four miles west-northwest of Rugby a large, older barn collapsed. In Rugby, large evergreen trees were uprooted at the cemetery at the northwest end of town.				
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<b>WELLS COUNTY --- 5.1 W HURDSFIELD [47.45, -100.01]</b>				
	06/09/17 17:37 CST		0	Hail (1.25 in)
	06/09/17 17:40 CST		0	Source: Storm Chaser
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<b>WELLS COUNTY --- 0.9 W CHASELEY [47.45, -99.82]</b>				
	06/09/17 18:00 CST		0	Hail (2.50 in)
	06/09/17 18:02 CST		0	Source: Public
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<b>WELLS COUNTY --- 4.4 ENE CHASELEY [47.47, -99.71]</b>				
	06/09/17 18:20 CST		0	Hail (1.50 in)
	06/09/17 18:25 CST		0	Source: Trained Spotter
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<b>FOSTER COUNTY --- 0.9 W CARRINGTON ARPT [47.45, -99.17]</b>				
	06/09/17 19:00 CST		0	Hail (1.75 in)
	06/09/17 19:03 CST		0	Source: Storm Chaser

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<b>FOSTER COUNTY --- CARRINGTON [47.45, -99.13]</b>				
	06/09/17 19:05 CST		0	Hail (1.75 in)
	06/09/17 19:08 CST		0	Source: Emergency Manager
<b>FOSTER COUNTY --- CARRINGTON [47.45, -99.13]</b>				
	06/09/17 19:10 CST		0	Hail (1.50 in)
	06/09/17 19:13 CST		0	Source: Public
<b>FOSTER COUNTY --- CARRINGTON [47.45, -99.13]</b>				
	06/09/17 19:35 CST		0	Hail (1.50 in)
	06/09/17 19:38 CST		0	Source: Public
<b>STUTSMAN COUNTY --- 0.8 NW JAMESTOWN [46.91, -98.71]</b>				
	06/09/17 19:38 CST		0	Hail (1.00 in)
	06/09/17 19:40 CST		0	Source: Amateur Radio
<b>STUTSMAN COUNTY --- 0.8 NE COURTENAY [47.23, -98.56]</b>				
	06/09/17 20:01 CST		0	Hail (1.00 in)
	06/09/17 20:03 CST		0	Source: Public
<b>STUTSMAN COUNTY --- 1.2 NW YPSILANTI [46.79, -98.57]</b>				
	06/09/17 20:24 CST		0	Hail (2.50 in)
	06/09/17 20:27 CST		0	Source: Public
<b>STUTSMAN COUNTY --- 2.8 SE YPSILANTI [46.75, -98.51]</b>				
	06/09/17 20:30 CST		0	Hail (1.75 in)
	06/09/17 20:33 CST		0	Source: Trained Spotter
<b>STARK COUNTY --- 4.2 S TAYLOR [46.84, -102.43]</b>				
	06/09/17 22:40 MST		30K	Hail (1.00 in)
	06/09/17 22:44 MST		0	Source: Public
Wind driven hail caused damage to the home, barns, and vehicles. Multiple windows were shattered on the home causing damage inside.				
<b>STARK COUNTY --- 2.0 SE RICHARDTON [46.86, -102.29]</b>				
	06/09/17 22:45 MST		15K	Hail (2.75 in)
	06/09/17 22:48 MST		0	Source: Public
Five windows were shattered by the hail.				
<b>STARK COUNTY --- 0.8 NE ANTELOPE [46.86, -102.19]</b>				
	06/09/17 23:11 MST		50K	Hail (2.75 in)
	06/09/17 23:14 MST		0	Source: Law Enforcement
Multiple car windshields were broken between mile marker 90 and 91 on Interstate 94.				
<b>MORTON COUNTY --- 0.9 W HEBRON [46.90, -102.05]</b>				
	06/10/17 00:03 CST		0	Hail (1.75 in)
	06/10/17 00:06 CST		0	Source: Public
<b>MORTON COUNTY --- 1.9 W HEBRON [46.90, -102.07]</b>				
	06/10/17 00:06 CST		0	Hail (1.00 in)
	06/10/17 00:10 CST		0	Source: Public
<b>MORTON COUNTY --- 9.7 N GLEN ULLIN [46.96, -101.83]</b>				
	06/10/17 00:10 CST		0	Hail (1.00 in)
	06/10/17 00:15 CST		0	Source: Public

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<b>MORTON COUNTY --- 9.0 NW NEW SALEM [46.93, -101.57]</b>				
	06/10/17 00:30 CST		40K	Hail (2.00 in)
	06/10/17 00:38 CST		15K	Source: Public
The home suffered paint and window damage. The metal roof on the barn had dents. Holes were punched in corn storage bags and crop damage was reported around the area.				
<b>OLIVER COUNTY --- 1.5 SSW HANNOVER [47.10, -101.44]</b>				
	06/10/17 00:40 CST		0	Hail (1.00 in)
	06/10/17 00:43 CST		0	Source: Trained Spotter
<b>MORTON COUNTY --- 3.5 N JUDSON [46.88, -101.28]</b>				
	06/10/17 00:45 CST		0	Thunderstorm Wind (EG 61 kt)
	06/10/17 00:50 CST		0	Source: NWS Employee
Thunderstorm wind gusts to 70 mph were estimated by a National Weather Service employee.				
<b>OLIVER COUNTY --- 0.7 S CENTER [47.11, -101.30]</b>				
	06/10/17 00:48 CST		0	Hail (1.00 in)
	06/10/17 00:51 CST		0	Source: Public
<b>OLIVER COUNTY --- 0.7 S HANNOVER [47.11, -101.43]</b>				
	06/10/17 02:40 CST		0	Thunderstorm Wind (MG 52 kt)
	06/10/17 02:45 CST		0	Source: Mesonet
<b>OLIVER COUNTY --- 1.5 SSW HANNOVER [47.10, -101.44]</b>				
	06/10/17 02:40 CST		0	Thunderstorm Wind (EG 52 kt)
	06/10/17 02:50 CST		0	Source: Trained Spotter
Thunderstorm wind gusts of 60 mph were estimated by a trained spotter.				
<b>MCLEAN COUNTY --- 1.7 NW WASHBURN [47.30, -101.04]</b>				
	06/10/17 02:54 CST		0	Thunderstorm Wind (MG 63 kt)
	06/10/17 02:59 CST		0	Source: Mesonet
<b>WELLS COUNTY --- 5.3 WNW BOWDON [47.49, -99.68]</b>				
	06/10/17 03:50 CST		0	Thunderstorm Wind (MG 50 kt)
	06/10/17 03:55 CST		0	Source: Mesonet
A two round severe event developed on the afternoon of June 9 and continued into the early morning hours of June 10. The first round started in the late afternoon of June 9 as a warm front lifted through central into eastern North Dakota and a dry line/cold front dropped towards south central North Dakota. Scattered supercell thunderstorms developed from north central North Dakota into the James River Valley. These storms moved out of the area and were followed by the second round late at night, Storms moved into southwest North Dakota from Montana and strengthened in a high shear and moderate instability environment. The strongest wind gusts estimated at 90 mph occurred near Rugby in Pierce County, while the largest hail was baseball sized, and occurred in multiple locations along and near Interstate 94 in Stark County.				
<b>LOGAN COUNTY --- 9.6 SSW NAPOLEON [46.38, -99.87]</b>				
	06/13/17 17:20 CST		0	Hail (1.00 in)
	06/13/17 17:22 CST		0	Source: Public
<b>BILLINGS COUNTY --- 2.1 NNW FAIRFIELD [47.21, -103.23]</b>				
	06/13/17 21:15 MST		0	Hail (0.88 in)
	06/13/17 21:17 MST		0	Source: Trained Spotter
<b>DUNN COUNTY --- 0.9 E KILLDEER [47.37, -102.75]</b>				
	06/13/17 22:16 MST		0	Hail (0.75 in)
	06/13/17 22:18 MST		0	Source: Law Enforcement

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<b>MCKENZIE COUNTY --- 0.5 E WATFORD CITY [47.80, -103.27]</b>				
	06/13/17 23:22 MST		0	Hail (0.75 in)
	06/13/17 23:24 MST		0	Source: Public
<p>A strong low pressure system moving through the region resulted in thunderstorms developing in the late afternoon and early evening over portions of south central North Dakota into the James River Valley. One storm became severe over Logan County, with one-inch diameter hail. Later that night additional thunderstorms developed over western North Dakota as the low gradually lifted north, with sub-severe hail reported.</p>				
<b>STUTSMAN COUNTY --- 5.2 SSW STATE HOSPITAL [46.81, -98.71]</b>				
	06/19/17 18:17 CST		25K	Thunderstorm Wind (EG 61 kt)
	06/19/17 18:22 CST		0	Source: Emergency Manager
<p>Portions of a roof were torn from a pole barn style building, and a semi trailer was blown over.</p> <p>A short wave trough and cold front moving through North Dakota combined with modest instability and elevated deep layer shear to produce thunderstorms over portions of eastern North Dakota into the James River Valley. One thunderstorm briefly became severe over Stutsman County. The storm caused property damage at a business south of Jamestown, where a portion of the roof was torn off a pole barn style building, and a semi trailer was tipped over.</p>				
<b>MORTON COUNTY --- 4.6 SSE MANDAN MUNI ARPT [46.71, -100.86]</b>				
	06/27/17 19:45 CST		0	Thunderstorm Wind (MG 50 kt)
	06/27/17 19:48 CST		0	Source: Trained Spotter
<b>BURLEIGH COUNTY --- BISMARCK ARPT [46.78, -100.75]</b>				
	06/27/17 20:04 CST		0	Thunderstorm Wind (MG 50 kt)
	06/27/17 20:06 CST		0	Source: ASOS
<b>MORTON COUNTY --- 2.8 E MANDAN MUNI ARPT [46.77, -100.84]</b>				
	06/27/17 20:23 CST		0	Hail (1.75 in)
	06/27/17 20:26 CST		0	Source: Trained Spotter
<b>BURLEIGH COUNTY --- 2.5 ESE (BIS)BISMARCK MUNI A [46.77, -100.70]</b>				
	06/27/17 20:32 CST		0	Hail (0.88 in)
	06/27/17 20:34 CST		0	Source: Public
<b>BURLEIGH COUNTY --- 7.7 S FT LINCOLN [46.71, -100.62]</b>				
	06/27/17 20:40 CST		0	Hail (1.00 in)
	06/27/17 20:42 CST		0	Source: Trained Spotter
<p>A short wave trough moved from northwest South Dakota into south central North Dakota where elevated instability and shear were noted, producing isolated severe thunderstorms. Golf ball sized hail was the largest reported, and occurred just south of Mandan in Morton County. The strongest thunderstorm wind gusts of 58 mph were reported in both Morton and Burleigh counties.</p>				
<b>MOUNTRAIL COUNTY --- 1.7 SSE MANITOU [48.31, -102.61]</b>				
	06/29/17 13:15 CST		0	Hail (1.00 in)
	06/29/17 13:18 CST		0	Source: Law Enforcement
<b>MOUNTRAIL COUNTY --- 1.4 S PARSHALL [47.95, -102.13]</b>				
	06/29/17 15:23 CST		0	Funnel Cloud
	06/29/17 15:25 CST		0	Source: Fire Department/Rescue
<p>Thunderstorms developed along and near a cold front as it moved through western North Dakota in the afternoon. One thunderstorm produced one inch diameter hail in Mountrail County, while another produced a funnel cloud.</p>				