

Storm Data and Unusual Weather Phenomena - May 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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NORTH DAKOTA, Central and West

STARK COUNTY --- 3.1 WNW TAYLOR [46.92, -102.48]				
	05/12/09 15:04 MST		0	Hail (0.75 in)
	05/12/09 15:08 MST		0	Source: Trained Spotter

WARD COUNTY --- 5.5 S SOUTH PRAIRIE [47.97, -101.30]				
	05/12/09 16:43 CST		0	Hail (0.88 in)
	05/12/09 16:48 CST		0	Source: Broadcast Media

MORTON COUNTY --- 6.7 NNE FLASHER [46.54, -101.18]				
	05/12/09 18:05 CST		20K	Thunderstorm Wind (EG 61 kt)
	05/12/09 18:12 CST		0	Source: Public

Thunderstorm wind gusts resulted in some structural damage to a farmstead along with isolated power outages in the area. Corral walls were blown down, windows were blown out, and some tree branches and shingles were reported on the ground.

BURLEIGH COUNTY --- 4.2 SE (BIS)BISMARCK MUNI A [46.73, -100.70]				
	05/12/09 18:50 CST		4K	Thunderstorm Wind (EG 52 kt)
	05/12/09 18:55 CST		0	Source: NWS Employee

Thunderstorm winds resulted in minor damage to vinyl siding and moved a steel trailer approximately 90 feet.

SHERIDAN COUNTY --- 3.7 E GOODRICH [47.47, -100.04]				
	05/12/09 19:56 CST		25K	Thunderstorm Wind (EG 52 kt)
	05/12/09 20:02 CST		0	Source: Public

Thunderstorm wind gusts resulted in a grain bin blowing over on a farmstead east of Goodrich.

In the mid afternoon of Tuesday, May 12th, Severe Thunderstorm Watch 289 was issued in anticipation of severe thunderstorms developing along a surface cold front as it progressed across the Dakotas. In addition, strong diabatic heating and cold air advection aloft produced steep mid-level lapse rates and little CIN (Convective Inhibition) which resulted in destabilization of the atmosphere by the late afternoon. Multiple severe thunderstorm warnings were issued. Two reports of large hail and three reports of severe thunderstorm wind gusts were received during the late afternoon and early evening hours.

(ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z043) BOWMAN, (ND-Z044) ADAMS				
	05/13/09 14:00 CST		0	High Wind (MAX 35 kt)
	05/13/09 15:00 CST		0	

Strong surface high pressure building into west and central North Dakota resulted in very strong west to northwest winds across the higher terrain of southwestern North Dakota during the afternoon hours of Wednesday, May 13th.

(ND-Z034) MORTON				
	05/20/09 01:30 CST		20K	High Wind (MAX 56 kt)
	05/20/09 01:40 CST		0	

Elevated shower activity during the early morning hours of Wednesday, May 20th, enabled strong mid level winds, associated with a nocturnal low level jet, to mix down to the surface in the form of a downburst. Winds up to 65 mph were estimated from the Bismarck Doppler radar, and resulted in some structural damage to a farmstead just south of St. Anthony in Morton County. In addition, compressional heating of the descending air resulted in temperatures of 90.5 and 94.6 recorded on two different thermometers seven miles south of St. Anthony.

EMMONS COUNTY --- 8.4 NW HAZELTON [46.57, -100.40]				
	05/28/09 15:35 CST		0	Hail (0.88 in)
	05/28/09 15:39 CST		0	Source: Trained Spotter

Diurnal thunderstorms developed across portions of south central North Dakota during the mid and late afternoon of Thursday, May 28th. One report of large hail was received in northern Emmons County.