

Storm Data and Unusual Weather Phenomena - May 2010

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|----------------------|------------------------|---------------------------|
| IOWA, Southwest | | | | |
| POTTAWATTAMIE COUNTY --- 1.3 WNW UNDERWOOD [41.39, -95.70] | | | | |
| | 05/12/10 20:11 CST | 0 | | Hail (0.88 in) |
| | 05/12/10 20:11 CST | 0 | | Source: Trained Spotter |
| <p>Scattered thunderstorms, a few severe, developed and moved north of a warm front that extended near the Kansas and Nebraska border. The storms development was aided by a large upper level low pressure system that was moving slowly east across the plains and the main severe weather produced was large hail. Although the thunderstorms generally weakened as they moved from eastern Nebraska into southwest Iowa, at least one storm dropped nickel-size hail in western Iowa.</p> | | | | |
| NEBRASKA, East | | | | |
| JEFFERSON COUNTY --- 2.0 SW FAIRBURY [40.13, -97.20] | | | | |
| | 05/12/10 17:48 CST | 0 | | Hail (1.00 in) |
| | 05/12/10 17:48 CST | 0 | | Source: Emergency Manager |
| <p>The first of two supercell thunderstorms that dropped large hail southwest of Fairbury.</p> | | | | |
| JEFFERSON COUNTY --- 3.0 SW FAIRBURY [40.12, -97.21] | | | | |
| | 05/12/10 18:00 CST | 0 | | Hail (1.75 in) |
| | 05/12/10 18:00 CST | 0 | | Source: Emergency Manager |
| <p>From the second supercell thunderstorm that dropped large hail within an hour southwest of Fairbury.</p> | | | | |
| SALINE COUNTY --- 0.5 W CRETE [40.63, -96.96] | | | | |
| | 05/12/10 18:03 CST | 0 | | Hail (1.00 in) |
| | 05/12/10 18:06 CST | 0 | | Source: Trained Spotter |
| <p>Nickel to quarter-size hail fell for several minutes in the Crete area.</p> | | | | |
| LANCASTER COUNTY --- 2.1 N BERKS [40.70, -96.90] | | | | |
| | 05/12/10 18:12 CST | 0 | | Hail (1.00 in) |
| | 05/12/10 18:12 CST | 0 | | Source: Public |
| <p>Most of the hail was less than 1 inch in diameter.</p> | | | | |
| SALINE COUNTY --- WILBER [40.48, -96.95] | | | | |
| | 05/12/10 18:38 CST | 0 | | Hail (0.75 in) |
| | 05/12/10 18:38 CST | 0 | | Source: Emergency Manager |
| SAUNDERS COUNTY --- 2.1 E VALPARAISO [41.08, -96.79], 3.0 NE VALPARAISO [41.11, -96.79] | | | | |
| | 05/12/10 18:50 CST | 0 | | Hail (1.00 in) |
| | 05/12/10 18:52 CST | 0 | | Source: Public |
| <p>Most of it was smaller but a few stones up to one inch in diameter fell east through northeast of Valparaiso.</p> | | | | |
| LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69] | | | | |
| | 05/12/10 19:15 CST | 0 | | Hail (0.75 in) |
| | 05/12/10 19:15 CST | 0 | | Source: Emergency Manager |
| <p>Reported near 84th and Van Dorn Streets.</p> | | | | |
| SARPY COUNTY --- 0.9 WSW CHALCO [41.18, -96.17] | | | | |
| | 05/12/10 19:30 CST | 0 | | Hail (1.00 in) |
| | 05/12/10 19:30 CST | 0 | | Source: Public |
| <p>Reported near 161st and Giles.</p> | | | | |

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| DOUGLAS COUNTY --- 3.8 W OMAHA MILLARD ARPT [41.19, -96.19], 2.1 ESE MILLARD [41.21, -96.08] | | | | |
| | 05/12/10 19:42 CST | | 0 | Hail (0.88 in) |
| | 05/12/10 19:54 CST | | 0 | Source: Trained Spotter |
| Nickel size hail was reported from near 177th and Harrison to 108th and L Streets in southwest Omaha. | | | | |
| SARPY COUNTY --- 2.2 SW CHALCO [41.16, -96.18], 0.2 SSE CHALCO [41.18, -96.15] | | | | |
| | 05/12/10 19:42 CST | | 0 | Hail (1.00 in) |
| | 05/12/10 19:48 CST | | 0 | Source: COOP Observer |
| Nickel to quarter-size hail was reported from just northeast of Gretna through the 151st and Giles Street area. | | | | |
| DOUGLAS COUNTY --- 2.2 WSW MILLARD [41.21, -96.16] | | | | |
| | 05/12/10 19:46 CST | | 0 | Hail (1.00 in) |
| | 05/12/10 19:46 CST | | 0 | Source: Trained Spotter |
| Most of the hail in southwest Omaha was nickel-size but some up to one inch in diameter was reported northwest of 159th and Giles. | | | | |
| DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01] | | | | |
| | 05/12/10 20:05 CST | | 0 | Hail (0.75 in) |
| | 05/12/10 20:05 CST | | 0 | Source: Broadcast Media |
| Near 35th and Farnam Streets. | | | | |
| <p>Scattered thunderstorms, a few severe, developed and moved north of a warm front that extended near the Kansas and Nebraska border. The storms development was aided by a large upper level low pressure system that was moving slowly east across the plains and the main severe weather produced was large hail. Several of these thunderstorms tracked across the Omaha metro area producing numerous reports of nickel to quarter-size hail in the Millard area and surrounding areas of northern Sarpy county and southwest Omaha.</p> | | | | |
| (NE-Z052) DOUGLAS | | | | |
| | 05/22/10 14:45 CST | 1 | 0 | Strong Wind (MAX 35 kt) |
| | 05/22/10 14:45 CST | | 0 | |
| Direct Fatalities: M7OU | | | | |
| Strong gradient south winds downed a large tree limb in the Omaha area killing a 7-year-old boy. | | | | |
| (NE-Z018) WAYNE, (NE-Z031) MADISON | | | | |
| | 05/24/10 15:15 CST | | 0 | High Wind (MAX 50 kt) |
| | 05/24/10 16:15 CST | | 0 | |
| Strong south winds ahead of deep low pressure over the northern high plains caused scattered damage over the area. These winds hit 58 mph at least at one location. | | | | |
| JEFFERSON COUNTY --- 0.9 SW FAIRBURY [40.14, -97.18] | | | | |
| | 05/24/10 21:44 CST | | 0 | Thunderstorm Wind (MG 52 kt) |
| | 05/24/10 21:46 CST | | 0 | Source: Emergency Manager |
| Outflow from thunderstorms were measured at 60 mph. After the outflow moved through additional strong winds from the thunderstorms themselves caused scattered damage about 20 to 30 minutes later. | | | | |
| JEFFERSON COUNTY --- 0.5 W PLYMOUTH [40.30, -96.99], PLYMOUTH [40.30, -96.98] | | | | |
| | 05/24/10 21:55 CST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 05/24/10 21:58 CST | | 0 | Source: Emergency Manager |
| Thunderstorm wind gusts estimated at over 60 mph blew windows out of some vehicles, destroyed farm outbuildings and overturned a center pivot. Some power poles were also downed and at least one house sustained damage. Most of the damage was on the southeast side of town. | | | | |
| CEDAR COUNTY --- 0.5 E HARTINGTON [42.62, -97.26] | | | | |

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| | 05/24/10 21:58 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 05/24/10 21:58 CST | | 0 | Source: Emergency Manager |

Emergency management estimated that thunderstorm wind gusts reached around 60 mph in the area.

SALINE COUNTY --- 0.7 N WILBER MUNI ARPT [40.48, -96.98]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 05/24/10 22:02 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 05/24/10 22:02 CST | | 0 | Source: Trained Spotter |

Thunderstorm winds estimated at around 60 mph downed some tree branches of 2 inches or so in diameter.

JEFFERSON COUNTY --- FAIRBURY [40.15, -97.17], 4.0 S FAIRBURY [40.09, -97.17]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 05/24/10 22:10 CST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 05/24/10 22:10 CST | | 0 | Source: Emergency Manager |

Thunderstorm winds estimated at over 60 mph downed many large tree branches in town and also knocked over a least one power pole and power lines near Highway 15 and 708 Road. The winds were from the main thunderstorm which followed a period of outflow winds that occurred some 20 to 30 minutes prior.

LANCASTER COUNTY --- 3.0 NE DENTON [40.76, -96.79], 3.0 NE LINCOLN ARPT [40.88, -96.73]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 05/24/10 22:25 CST | | 0 | Thunderstorm Wind (MG 51 kt) |
| | 05/24/10 22:40 CST | | 0 | Source: ASOS |

Thunderstorm wind gusts, which were measured at 59 mph by the Asos at the Lincoln airport, occurred from southwest of Lincoln across the northwest side of town.

DODGE COUNTY --- DODGE [41.72, -96.88], 2.0 S DODGE [41.69, -96.88]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 05/24/10 23:00 CST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 05/24/10 23:10 CST | | 0 | Source: COOP Observer |

Thunderstorm wind gusts estimated at over 60 mph cause scattered tree damage from south of Dodge into town. Outbuildings and other property in the area sustained damage as well. The winds were accompanied by hail that was at golf ball-size.

DODGE COUNTY --- 0.9 SE FREMONT [41.44, -96.49]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 05/24/10 23:05 CST | | 0 | Thunderstorm Wind (MG 55 kt) |
| | 05/24/10 23:05 CST | | 0 | Source: NWS Employee |

Thunderstorm outflow reached 63 mph according to home weather equipment of an off duty NWS employee.

DODGE COUNTY --- DODGE [41.72, -96.88], 2.0 S DODGE [41.69, -96.88]

| | | | | |
|--|--------------------|--|---|-------------------|
| | 05/24/10 23:05 CST | | 0 | Hail (1.75 in) |
| | 05/24/10 23:10 CST | | 0 | Source: Newspaper |

Hail up to golf ball-size was accompanied by thunderstorm wind gusts estimated at over 60 mph. The hail caused extensive siding damage to at least one home south of Dodge. There were some unverified reports of hail as large as softballs in the area.

SAUNDERS COUNTY --- 0.5 E CEDAR BLUFFS [41.40, -96.61]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 05/24/10 23:07 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 05/24/10 23:07 CST | | 0 | Source: Law Enforcement |

Thunderstorm winds estimated at around 60 mph downed large branches on a few vehicles and houses in the area.

CUMING COUNTY --- 0.5 E BEEMER [41.93, -96.81]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 05/24/10 23:10 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 05/24/10 23:10 CST | | 0 | Source: Trained Spotter |

Thunderstorm wind gusts estimated at close to 60 mph downed some 2 to 3 inch in diameter tree limbs.

DODGE COUNTY --- 1.5 NNE SNYDER [41.72, -96.79]

| | | | | |
|--|--------------------|--|---|------------------------------|
| | 05/24/10 23:12 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 05/24/10 23:12 CST | | 0 | Source: Trained Spotter |

Thunderstorm winds estimated at close to 60 mph downed a large tree branch on the north side of town.

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| DODGE COUNTY --- 1.2 NW RIDGELEY [41.61, -96.74] | | | | |
| | 05/24/10 23:15 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 05/24/10 23:15 CST | | 0 | Source: Emergency Manager |

Thunderstorm wind gusts estimated at around 60 mph blew a roof off of a building.

A broken line of thunderstorms moved in eastern Nebraska as an intense upper level low pressure system lifted north into eastern Montana. Strong south winds prevailed across the region ahead of the thunderstorms, and in some cases outflow from the storms added to the gradient winds producing wind gusts around or a little over 60 mph. The strong winds caused scattered damage across the area.

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|--|--------------------|--|---|----------------|
| RICHARDSON COUNTY --- 1.8 S FALLS CITY ARPT [40.04, -95.57] | | | | |
| | 05/26/10 14:15 CST | | 0 | Heavy Rain |
| | 05/26/10 15:00 CST | | 0 | Source: Public |

Almost 2.5 inches of rain fell in about a 40 minute period near Falls City. The heavy rain caused some ponding of water across a few roads in the area and at least one car briefly floated after driving into the high water.

A remnant upper level disturbance left over from earlier convection helped cause new thunderstorm development during the afternoon of May 26th. Due to relatively light winds aloft the storms moved little after development which caused isolated storms over extreme southeast Nebraska to produce heavy rain.

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|--|--------------------|--|---|----------------|
| RICHARDSON COUNTY --- 2.1 NW DAWSON [40.15, -95.86] | | | | |
| | 05/30/10 14:10 CST | | 0 | Hail (1.00 in) |
| | 05/30/10 14:10 CST | | 0 | Source: Public |

Scattered thunderstorms developed behind a cold front in southeast Nebraska and southwest Iowa. At least one of these storms produced large hail in extreme southeast Nebraska.