

Storm Data and Unusual Weather Phenomena - April 2010

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|----------------------|------------------------|--------------------------------|
| IOWA, Southwest | | | | |
| POTTAWATTAMIE COUNTY --- AVOCA [41.48, -95.35] | | | | |
| | 04/05/10 23:05 CST | 0 | | Hail (1.50 in) |
| | 04/05/10 23:05 CST | 0 | | Source: Newspaper |
| Hail up to 1.5 inches in diameter caused rather extensive damage to cars and even some houses in the Avoca area. | | | | |
| SHELBY COUNTY --- 7.5 SE CORLEY [41.51, -95.22] | | | | |
| | 04/05/10 23:05 CST | 0 | | Hail (1.00 in) |
| | 04/05/10 23:05 CST | 0 | | Source: Public |
| HARRISON COUNTY --- DUNLAP [41.85, -95.60] | | | | |
| | 04/06/10 00:00 CST | 0 | | Hail (1.00 in) |
| | 04/06/10 00:00 CST | 0 | | Source: Law Enforcement |
| SHELBY COUNTY --- HARLAN [41.65, -95.33] | | | | |
| | 04/06/10 00:01 CST | 0 | | Hail (0.88 in) |
| | 04/06/10 00:01 CST | 0 | | Source: Trained Spotter |
| MONONA COUNTY --- SOLDIER [41.98, -95.78] | | | | |
| | 04/06/10 00:12 CST | 0 | | Hail (0.88 in) |
| | 04/06/10 00:12 CST | 0 | | Source: Law Enforcement |
| MONONA COUNTY --- SOLDIER [41.98, -95.78] | | | | |
| | 04/06/10 00:15 CST | 0 | | Hail (1.00 in) |
| | 04/06/10 00:15 CST | 0 | | Source: Trained Spotter |
| A trained spotter reported that hail a little larger than nickel-size fell. | | | | |
| Thunderstorms, a few severe, developed north of a warm front in an area of warm advection aided by a low level jet. The storms in southwest Iowa mainly produced hail up to quarter-size, although just to the west in eastern Nebraska one storm caused wind damage. | | | | |
| FREMONT COUNTY --- 4.0 SW THURMAN [40.78, -95.78], 4.0 WSW THURMAN [40.80, -95.80] | | | | |
| | 04/24/10 12:25 CST | 0 | | Hail (0.88 in) |
| | 04/24/10 12:35 CST | 0 | | Source: Public |
| Hail up to nickel size fell for about 10 minutes southwest of Thurman. | | | | |
| A large upper level low pressure system caused scattered thunderstorms to develop during the late morning and early afternoon of April 24th. The storms then moved west and southwest in response to the upper circulation center...and a few of them produced large hail. | | | | |
| MILLS COUNTY --- 0.7 N EMERSON [41.03, -95.40] | | | | |
| | 04/29/10 19:13 CST | 0 | | Hail (0.88 in) |
| | 04/29/10 19:13 CST | 0 | | Source: Fire Department/Rescue |
| MILLS COUNTY --- 1.7 SW MINEOLA [41.13, -95.74] | | | | |
| | 04/29/10 22:00 CST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 04/29/10 22:00 CST | 0 | | Source: NWS Employee |
| Thunderstorm winds estimated at 55 to 60 mph downed half of a small dead tree in the area. | | | | |
| MILLS COUNTY --- 4.0 ESE GLENWOOD [41.03, -95.70] | | | | |
| | 04/29/10 22:00 CST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 04/29/10 22:00 CST | 0 | | Source: NWS Employee |
| Thunderstorm wind gusts estimated at close to 60 mph downed 2 to 3 inch in diameter tree limbs in the area. | | | | |
| MILLS COUNTY --- 3.0 NE MALVERN [41.03, -95.56], 5.0 ENE MALVERN [41.03, -95.51] | | | | |

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| | 04/29/10 22:15 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 04/29/10 22:16 CST | | 0 | Source: NWS Employee |

Thunderstorm winds estimated at around 60 mph downed several tree limbs up to 6 inches in diameter east northeast of Malvern.

| MILLS COUNTY --- 1.6 W HENDERSON [41.13, -95.48] | | | | |
|---|--------------------|--|---|------------------------------|
| | 04/29/10 22:20 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 04/29/10 22:20 CST | | 0 | Source: NWS Employee |

Thunderstorm wind gusts estimated at close to 60 mph downed 3 to 4 inch in diameter tree limbs.

| FREMONT COUNTY --- 2.3 SSW THURMAN [40.79, -95.75] | | | | |
|---|--------------------|--|---|------------------------------|
| | 04/29/10 22:35 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 04/29/10 22:35 CST | | 0 | Source: NWS Employee |

Thunderstorm winds estimated at 55 to 60 mph downed a tree limb around 2 inches in diameter.

| FREMONT COUNTY --- 3.4 ENE PERCIVAL [40.77, -95.74] | | | | |
|--|--------------------|--|---|------------------------------|
| | 04/29/10 22:35 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 04/29/10 22:35 CST | | 0 | Source: NWS Employee |

Thunderstorm winds estimated at 55 to 60 mph downed a 2 inch in diameter tree limb.

A large upper level low pressure system over the northern plains brought gusty southwest winds and warm and relatively dry air to eastern Nebraska and southwest Iowa during the afternoon of April 29th. By early evening strong south winds transporting more moist and unstable air caused thunderstorms to develop over north central Kansas near the intersection of the drier air and this more unstable airmass. These thunderstorms then tracked northeast into southeast Nebraska and southwest Iowa aided by an increasing low level jet. The thunderstorms produced a modest amount of large hail reports and at least one tornado in southeast Nebraska. Areas of heavy rain also accompanied some of the activity.

NEBRASKA, East

| NEMAHA COUNTY --- 3.4 N BROWNVILLE [40.45, -95.65], 2.1 E PERU [40.49, -95.69], 1.1 E PERU [40.48, -95.71], 2.2 S BROWNVILLE [40.37, -95.65], 1.6 SE BROWNVILLE [40.38, -95.63] | | | | |
|--|--------------------|--|---|---------------------------------------|
| | 04/01/10 00:01 CST | | 0 | Flood (due to Heavy Rain / Snow Melt) |
| | 04/03/10 06:45 CST | | 0 | Source: Official NWS Observations |

Minor flooding continued into early April along the Missouri River near Brownville. The river at Brownville crested around 38 feet in late March and finally fell below its 32 foot flood stage during the morning of April 3. The higher water and any damage was mainly caused by the higher water levels that occurred in late March.

Snow melt and several rain episodes caused the Missouri River to flood from mid March into early April.

| NEMAHA COUNTY --- 1.4 S AUBURN [40.38, -95.83] | | | | |
|---|--------------------|--|---|-------------------------|
| | 04/05/10 10:07 CST | | 0 | Hail (1.00 in) |
| | 04/05/10 10:07 CST | | 0 | Source: Trained Spotter |

| NEMAHA COUNTY --- PERU [40.48, -95.73], 1.0 N PERU [40.49, -95.73] | | | | |
|---|--------------------|--|---|-------------------------|
| | 04/05/10 10:22 CST | | 0 | Hail (1.25 in) |
| | 04/05/10 10:30 CST | | 0 | Source: Law Enforcement |

Law enforcement reported half dollar-size hail just north of Peru. A few minutes earlier a report of nickel size hail was reported in town.

Scattered thunderstorms moved into southeast Nebraska during the morning of April 5th as warm and moist air streamed northeast into the region. Isolated storms produced large hail.

| LANCASTER COUNTY --- 0.9 SW WAVERLY [40.91, -96.53] | | | | |
|--|--------------------|--|-----|------------------------------|
| | 04/05/10 23:20 CST | | 10K | Thunderstorm Wind (EG 55 kt) |
| | 04/05/10 23:20 CST | | 0 | Source: Emergency Manager |

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|----------|-----------|-------------------|---------------------|------------------------|

Thunderstorm wind gusts estimated at over 60 mph partially destroyed a 3000 square foot storage shed that was under construction. This same cell went on to cause further damage a little farther east/northeast of the area.

DODGE COUNTY --- 1.5 SSE FREMONT [41.43, -96.49]

| | | | | |
|--|--------------------|--|---|-------------------------|
| | 04/05/10 23:22 CST | | 0 | Hail (0.88 in) |
| | 04/05/10 23:22 CST | | 0 | Source: Trained Spotter |

SAUNDERS COUNTY --- 3.4 ENE CEDAR BLUFFS [41.42, -96.56]

| | | | | |
|--|--------------------|--|---|----------------------|
| | 04/05/10 23:22 CST | | 0 | Hail (0.88 in) |
| | 04/05/10 23:22 CST | | 0 | Source: NWS Employee |

CASS COUNTY --- 3.8 ENE GREENWOOD [41.00, -96.37], 0.7 SSW GREENWOOD [40.96, -96.43]

| | | | | |
|--|--------------------|--|-----|------------------------------|
| | 04/05/10 23:30 CST | | 20K | Thunderstorm Wind (EG 55 kt) |
| | 04/05/10 23:35 CST | | 0 | Source: Trained Spotter |

Thunderstorm wind gusts estimated at over 60 mph damaged a few signs along Interstate 80 and blew a semi truck over near mile marker 422. The storm also did some damage to a race track bleacher section near the area. This same cell caused some damage in the Waverly area a few minutes earlier.

DODGE COUNTY --- 1.7 ESE FREMONT [41.44, -96.47]

| | | | | |
|--|--------------------|--|---|-------------------------|
| | 04/05/10 23:30 CST | | 0 | Hail (1.00 in) |
| | 04/05/10 23:33 CST | | 0 | Source: Trained Spotter |

Hail up to 1 inch in diameter fell for several minutes in the Fremont area.

WASHINGTON COUNTY --- 6.2 NE SPIKER [41.67, -96.22]

| | | | | |
|--|--------------------|--|---|-------------------------|
| | 04/05/10 23:45 CST | | 0 | Hail (0.88 in) |
| | 04/05/10 23:45 CST | | 0 | Source: Trained Spotter |

DOUGLAS COUNTY --- 0.2 SW DUNDEE [41.28, -96.02], 1.0 SE OMAHA MILLARD ARPT [41.19, -96.11]

| | | | | |
|--|--------------------|--|---|-------------------------|
| | 04/05/10 23:58 CST | | 0 | Hail (0.88 in) |
| | 04/06/10 00:02 CST | | 0 | Source: Trained Spotter |

Hail around penny and nickel-size was reported near 126th and Harrison Streets and 75th and Blondo. The hail at 126th and Harrison was accompanied by winds estimated at 40 mph.

DOUGLAS COUNTY --- 1.0 E WEST BENSON [41.28, -95.98]

| | | | | |
|--|--------------------|--|-----|-------------------|
| | 04/06/10 00:05 CST | | 90K | Lightning |
| | 04/06/10 00:05 CST | | 0 | Source: Newspaper |

Lightning struck a tree which then caught fire and spread to a nearby house nearly destroying it. The house was in the 2600 block of North 45th Street.

Thunderstorms, a few severe, developed near a warm front over southeast Nebraska, during the evening of April 5. After these storms diminished by late evening, new storms developed in an area of warm advection aided by a low level jet. Although the storms primarily produced large hail, isolated storms in the late evening/early morning hours also produced damaging winds.

(NE-Z016) ANTELOPE

| | | | | |
|--|--------------------|--|-----|-------------------------|
| | 04/13/10 17:00 CST | | 15K | Strong Wind (MAX 44 kt) |
| | 04/13/10 17:00 CST | | 0 | |

Deep low pressure over Wyoming brought strong southerly winds to eastern Nebraska. Sustained winds of 25 to 35 mph with gusts of 40 to 50 mph were common. These winds caused isolated damage across the region, most notably a large livestock shed which was destroyed with the debris scattered across Highway 70 west of Elgin.

SARPY COUNTY --- 3.5 S GRETNA [41.10, -96.24]

| | | | | |
|--|--------------------|--|---|----------------------|
| | 04/23/10 18:02 CST | | 0 | Hail (1.00 in) |
| | 04/23/10 18:02 CST | | 0 | Source: NWS Employee |

Hail up to 1 inch in diameter was observed by off duty NWS meteorologists along Interstate 80 near exit 432.

GAGE COUNTY --- 4.4 NNE FILLEY [40.34, -96.50]

| | | | | |
|--|--------------------|--|---|----------------|
| | 04/23/10 18:15 CST | | 0 | Hail (1.00 in) |
| | 04/23/10 18:15 CST | | 0 | Source: Public |

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|---|--------------------|----------------------|------------------------|------------------------------|
| GAGE COUNTY --- 1.7 WSW ADAMS [40.46, -96.53] | | | | |
| | 04/23/10 18:39 CST | | 0 | Hail (0.88 in) |
| | 04/23/10 18:39 CST | | 0 | Source: Storm Chaser |
| LANCASTER COUNTY --- 2.2 WNW BENNET [40.69, -96.54] | | | | |
| | 04/23/10 18:45 CST | | 0 | Hail (1.00 in) |
| | 04/23/10 18:45 CST | | 0 | Source: Public |
| LANCASTER COUNTY --- 0.9 SW WAVERLY [40.91, -96.53] | | | | |
| | 04/23/10 18:50 CST | | 0 | Hail (0.88 in) |
| | 04/23/10 18:50 CST | | 0 | Source: Storm Chaser |
| Accompanied by 50 mph gusts. | | | | |
| LANCASTER COUNTY --- 5.0 NNW BENNET [40.75, -96.54] | | | | |
| | 04/23/10 18:54 CST | | 0 | Hail (1.00 in) |
| | 04/23/10 18:54 CST | | 0 | Source: Storm Chaser |
| LANCASTER COUNTY --- 0.9 SW WAVERLY [40.91, -96.53] | | | | |
| | 04/23/10 19:05 CST | | 0 | Hail (1.00 in) |
| | 04/23/10 19:05 CST | | 0 | Source: Trained Spotter |
| LANCASTER COUNTY --- 3.0 N BENNET [40.72, -96.50] | | | | |
| | 04/23/10 19:30 CST | | 0 | Hail (1.50 in) |
| | 04/23/10 19:30 CST | | 0 | Source: Public |
| SAUNDERS COUNTY --- 2.0 E WESTON [41.20, -96.71] | | | | |
| | 04/23/10 19:30 CST | | 0 | Hail (1.75 in) |
| | 04/23/10 19:30 CST | | 0 | Source: Public |
| The public reported a few hailstones reached golfball-size. | | | | |
| CASS COUNTY --- 3.1 W ALVO [40.87, -96.44] | | | | |
| | 04/23/10 19:35 CST | | 0 | Hail (1.25 in) |
| | 04/23/10 19:35 CST | | 0 | Source: Public |
| CASS COUNTY --- 3.0 E GREENWOOD [40.97, -96.37] | | | | |
| | 04/23/10 19:47 CST | | 0 | Hail (0.75 in) |
| | 04/23/10 19:47 CST | | 0 | Source: NWS Employee |
| SAUNDERS COUNTY --- 3.0 SW YUTAN [41.22, -96.44] | | | | |
| | 04/23/10 20:04 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 04/23/10 20:04 CST | | 0 | Source: Emergency Manager |
| Emergency management estimated thunderstorm wind gusts reached around 60 mph southwest of Yutan. | | | | |
| DOUGLAS COUNTY --- 0.5 W VALLEY [41.32, -96.36] | | | | |
| | 04/23/10 20:10 CST | | 0 | Hail (0.75 in) |
| | 04/23/10 20:10 CST | | 0 | Source: NWS Employee |
| DOUGLAS COUNTY --- 0.5 W VALLEY [41.32, -96.36] | | | | |
| | 04/23/10 20:17 CST | | 0 | Hail (1.00 in) |
| | 04/23/10 20:29 CST | | 0 | Source: NWS Employee |
| Hail at the NWS office fell for almost 20 minutes, although there was a brief break. The hail reached 1 inch in diameter toward the end of the second episode and was accompanied by very heavy rain, with nearly 2 inches measured from the storm, and 35 mph winds. | | | | |
| WASHINGTON COUNTY --- 1.5 SSE BLAIR [41.53, -96.14] | | | | |

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| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|----------------------|------------------------|---------------------------|
| | 04/23/10 20:34 CST | | 0 | Hail (0.75 in) |
| | 04/23/10 20:34 CST | | 0 | Source: Public |
| <hr/> | | | | |
| OTOE COUNTY --- 3.9 WSW PALMYRA [40.68, -96.45] | | | | |
| | 04/23/10 20:40 CST | | 0 | Hail (1.00 in) |
| | 04/23/10 20:40 CST | | 0 | Source: Trained Spotter |
| <hr/> | | | | |
| CEDAR COUNTY --- 0.5 W RANDOLPH [42.38, -97.36] | | | | |
| | 04/23/10 21:03 CST | | 0 | Hail (1.00 in) |
| | 04/23/10 21:03 CST | | 0 | Source: Emergency Manager |
| <hr/> | | | | |
| SAUNDERS COUNTY --- 2.0 NE WAHOO [41.24, -96.59] | | | | |
| | 04/23/10 21:14 CST | | 0 | Hail (0.75 in) |
| | 04/23/10 21:14 CST | | 0 | Source: Trained Spotter |
| <hr/> | | | | |
| BURT COUNTY --- 0.5 E TEKAMAH [41.78, -96.22] | | | | |
| | 04/23/10 21:33 CST | | 0 | Hail (0.88 in) |
| | 04/23/10 21:33 CST | | 0 | Source: Law Enforcement |
| <hr/> | | | | |
| ANTELOPE COUNTY --- NELIGH [42.13, -98.03] | | | | |
| | 04/23/10 22:48 CST | | 0 | Hail (1.00 in) |
| | 04/23/10 22:48 CST | | 0 | Source: Law Enforcement |
| <hr/> | | | | |
| <p>A warm front lifted north across eastern Nebraska during the afternoon of April 23rd. This allowed unstable conditions to spread north across the region. A large upper level low pressure system began moving onto the plains from the central Rocky Mountains during the evening of the 23rd which aided in thunderstorm development over the region. In addition...a dryline spread into southeast Nebraska during the evening of the 23rd also aiding in convective development.</p> | | | | |
| <hr/> | | | | |
| PIERCE COUNTY --- 2.9 SW PIERCE [42.17, -97.57], 3.0 W PIERCE [42.20, -97.59] | | | | |
| | 04/24/10 13:18 CST | | 0 | Hail (1.75 in) |
| | 04/24/10 13:20 CST | | 0 | Source: Law Enforcement |
| <p>Hail, mostly up to 1 inch in diameter, covered the ground west of Pierce. A few hailstones reached golfball-size.</p> | | | | |
| <hr/> | | | | |
| PIERCE COUNTY --- 3.1 W PIERCE [42.20, -97.59] | | | | |
| | 04/24/10 14:18 CST | | 0 | Hail (1.00 in) |
| | 04/24/10 14:18 CST | | 0 | Source: Public |
| <p>From the second severe storm to hit the area in about 1 hour.</p> | | | | |
| <hr/> | | | | |
| KNOX COUNTY --- 5.8 WSW SANTEE [42.79, -97.92] | | | | |
| | 04/24/10 14:55 CST | | 0 | Hail (0.75 in) |
| | 04/24/10 14:55 CST | | 0 | Source: Law Enforcement |
| <p>A large upper level low pressure system caused scattered thunderstorms to develop during the late morning and early afternoon of April 24th. The storms then moved west and southwest in response to the upper circulation center...and a few of them produced large hail.</p> | | | | |
| <hr/> | | | | |
| JEFFERSON COUNTY --- 2.1 E DAYKIN [40.32, -97.24] | | | | |
| | 04/29/10 17:55 CST | | 0 | Hail (0.88 in) |
| | 04/29/10 17:55 CST | | 0 | Source: Public |
| <hr/> | | | | |
| SALINE COUNTY --- 3.5 SE WESTERN [40.36, -97.16] | | | | |
| | 04/29/10 17:58 CST | | 0 | Hail (1.00 in) |
| | 04/29/10 17:58 CST | | 0 | Source: Emergency Manager |
| <hr/> | | | | |
| SALINE COUNTY --- 3.8 SW WILBER MUNI ARPT [40.43, -97.03] | | | | |
| | 04/29/10 18:10 CST | | 0 | Hail (0.75 in) |
| | 04/29/10 18:10 CST | | 0 | Source: Trained Spotter |

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| JEFFERSON COUNTY --- 0.9 SW FAIRBURY [40.14, -97.18] | | | | |
| | 04/29/10 19:12 CST | | 0 | Hail (1.00 in) |
| | 04/29/10 19:12 CST | | 0 | Source: Emergency Manager |
| JEFFERSON COUNTY --- 2.1 N ENDICOTT [40.11, -97.10], 2.9 NNE ENDICOTT [40.12, -97.09] | | | | |
| | 04/29/10 19:15 CST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 04/29/10 19:15 CST | | 0 | Source: Emergency Manager |
| Thunderstorm wind gusts estimated at over 65 mph downed trees and power lines along 710 road. The damage was probably the rear flank downdraft from the supercell that spawned a tornado just to the northeast a few minutes later. | | | | |
| JEFFERSON COUNTY --- 3.5 W DILLER [40.10, -97.00], 2.9 ENE SHEA [40.14, -96.97] | | | | |
| | 04/29/10 19:22 CST | | 0.65M | Tornado (EF1, L: 2.89 mi , W: 300 yd) |
| | 04/29/10 19:25 CST | | 0 | Source: NWS Storm Survey |
| An Assessment team from the NWS determined that a tornado tracked around 3 miles west through northwest of the Diller area. The damage path was around 300 yards at its widest. Trees and farm outbuildings were damaged along its path and 35 large power poles were snapped. A house in the area also sustained major damage to the roof and windows and the upper floor was partially shifted from the lower floor and a wall was bowed outward and garage destroyed. A center irrigation pivot was damaged at the tornadoes lifting point . | | | | |
| LANCASTER COUNTY --- 1.7 NW KRAMER [40.60, -96.89] | | | | |
| | 04/29/10 19:36 CST | | 0 | Hail (1.00 in) |
| | 04/29/10 19:36 CST | | 0 | Source: Trained Spotter |
| OTOE COUNTY --- 0.7 N BURR [40.54, -96.30] | | | | |
| | 04/29/10 20:20 CST | | 0 | Hail (0.88 in) |
| | 04/29/10 20:20 CST | | 0 | Source: Emergency Manager |
| JEFFERSON COUNTY --- 2.0 W REYNOLDS [40.07, -97.37] | | | | |
| | 04/29/10 20:39 CST | | 0 | Hail (0.75 in) |
| | 04/29/10 20:39 CST | | 0 | Source: Emergency Manager |
| SARPY COUNTY --- BELLEVUE [41.12, -95.90] | | | | |
| | 04/29/10 20:40 CST | | 0 | Hail (0.88 in) |
| | 04/29/10 20:40 CST | | 0 | Source: Public |
| GAGE COUNTY --- 0.9 NW CORTLAND [40.51, -96.71] | | | | |
| | 04/29/10 20:41 CST | | 0 | Hail (1.00 in) |
| | 04/29/10 20:41 CST | | 0 | Source: Trained Spotter |
| LANCASTER COUNTY --- 1.1 W HICKMAN [40.60, -96.69] | | | | |
| | 04/29/10 20:46 CST | | 0 | Hail (1.00 in) |
| | 04/29/10 20:46 CST | | 0 | Source: Amateur Radio |
| JEFFERSON COUNTY --- 0.9 SW FAIRBURY [40.14, -97.18] | | | | |
| | 04/29/10 20:56 CST | | 0 | Hail (1.00 in) |
| | 04/29/10 20:56 CST | | 0 | Source: Emergency Manager |
| JEFFERSON COUNTY --- 5.0 WSW ENDICOTT [40.05, -97.19] | | | | |
| | 04/29/10 20:57 CST | | 0 | Hail (2.00 in) |
| | 04/29/10 20:57 CST | | 0 | Source: Storm Chaser |
| Hail up to 2 inches in diameter caused damage to a car west southwest of Endicott. | | | | |
| LANCASTER COUNTY --- 2.1 NNW CHENEYS [40.76, -96.61] | | | | |
| | 04/29/10 20:58 CST | | 0 | Hail (1.00 in) |
| | 04/29/10 20:58 CST | | 0 | Source: Amateur Radio |

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| OTOE COUNTY --- 0.9 NW PALMYRA [40.71, -96.39] | | | | |
| | 04/29/10 21:00 CST | | 0 | Hail (1.50 in) |
| | 04/29/10 21:00 CST | | 0 | Source: Emergency Manager |
| SAUNDERS COUNTY --- 0.9 SE ASHLAND [41.04, -96.37] | | | | |
| | 04/29/10 21:15 CST | | 0 | Hail (1.00 in) |
| | 04/29/10 21:15 CST | | 0 | Source: Broadcast Media |
| GAGE COUNTY --- 1.5 NNW BLUE SPGS [40.15, -96.68] | | | | |
| | 04/29/10 21:36 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 04/29/10 21:36 CST | | 0 | Source: Storm Chaser |
| Thunderstorm wind gusts estimated at close to 60 mph blew 6 inch diameter metal irrigation pipes onto a road. | | | | |
| LANCASTER COUNTY --- 0.5 W BENNET [40.68, -96.51] | | | | |
| | 04/29/10 21:45 CST | | 0 | Heavy Rain |
| | 04/29/10 21:45 CST | | 0 | Source: Emergency Manager |

Rainfall of 2.75 inches in Bennet from several storms that moved across the area this evening caused considerable standing water in farm fields around town.

A large upper level low pressure system over the northern plains brought gusty southwest winds and warm and relatively dry air to eastern Nebraska and southwest Iowa during the afternoon of April 29th. By early evening strong south winds transporting more moist and unstable air caused thunderstorms to develop over north central Kansas near the intersection of the drier air and this more unstable airmass. These thunderstorms then tracked northeast into southeast Nebraska and southwest Iowa aided by an increasing low level jet. The thunderstorms produced a modest amount of large hail reports and at least one tornado in southeast Nebraska. Areas of heavy rain also accompanied some of the activity.