

Storm Data and Unusual Weather Phenomena - April 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Southwest				
FREMONT COUNTY --- 0.7 S TABOR [40.89, -95.67]				
	04/12/14 17:46 CST	0		Hail (0.75 in)
	04/12/14 17:46 CST	0		Source: Trained Spotter
FREMONT COUNTY --- 0.5 E RANDOLPH [40.87, -95.56]				
	04/12/14 17:53 CST	0		Hail (1.00 in)
	04/12/14 17:53 CST	0		Source: COOP Observer
POTTAWATTAMIE COUNTY --- 0.5 E TREYNOR [41.23, -95.61]				
	04/12/14 17:55 CST	0		Hail (0.75 in)
	04/12/14 17:55 CST	0		Source: Trained Spotter
POTTAWATTAMIE COUNTY --- 0.9 SW MACEDONIA [41.19, -95.44], 0.9 SE MACEDONIA [41.19, -95.42]				
	04/12/14 18:50 CST	0		Hail (1.25 in)
	04/12/14 18:55 CST	0		Source: Trained Spotter
MONTGOMERY COUNTY --- RED OAK [41.02, -95.23]				
	04/12/14 19:14 CST	0		Hail (3.00 in)
	04/12/14 19:19 CST	0		Source: Newspaper
<p>The local newspaper, The Red Oak Express, reported hail as large as 3 inches in diameter fell in the city of Red Oak. The 2 to 3 inch hail was responsible for damage to roofs, broken windows in homes and cars.</p>				
SHELBY COUNTY --- EARLING [41.78, -95.42]				
	04/12/14 19:19 CST	0		Hail (1.00 in)
	04/12/14 19:19 CST	0		Source: Emergency Manager
POTTAWATTAMIE COUNTY --- 2.7 WSW OAKLAND [41.31, -95.45]				
	04/12/14 19:23 CST	0		Hail (1.00 in)
	04/12/14 19:23 CST	0		Source: Trained Spotter
MONTGOMERY COUNTY --- 0.9 SE RED OAK [41.01, -95.22]				
	04/12/14 19:42 CST	0		Hail (1.75 in)
	04/12/14 19:42 CST	0		Source: Emergency Manager
<p>The city of Red Oak was hit with a second hail storm on the same night. Another supercell thunderstorm move from southwest to northeast across the southern half of Red Oak with ping pong ball to golf ball size hail. The hail covered the ground in some spots.</p>				
PAGE COUNTY --- 0.9 NW CLARINDA [40.74, -95.04]				
	04/12/14 20:45 CST	0		Hail (0.75 in)
	04/12/14 20:45 CST	0		Source: Trained Spotter
MONTGOMERY COUNTY --- 8.0 W ELLIOTT [41.15, -95.32]				
	04/13/14 19:07 CST	0		Hail (1.75 in)
	04/13/14 19:07 CST	0		Source: Emergency Manager
<p>Ahead of a strong cold front, warm and moist air moved into the middle Missouri River Valley. As temperatures increased into the 80s ahead of the cold front, a strong capping inversion weakened and allowed for isolated to scattered thunderstorms to develop from western Iowa into southeast Nebraska. The thunderstorms produced isolated occurrences of severe weather in the form of large hail across parts of the area. Occasional strong thunderstorms continued overnight and into Sunday morning that continued to produce small hail. As the cold air rushed into the area the rain changed to snow over parts of eastern Nebraska and western Iowa. Some of the snow in northeast Nebraska was heaving leading to significant accumulations by Sunday evening.</p>				
POTTAWATTAMIE COUNTY --- 13.0 NE KEMLING [41.23, -95.18]				
	04/27/14 11:18 CST	0		Hail (0.75 in)
	04/27/14 11:18 CST	0		Source: Storm Chaser

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SHELBY COUNTY --- 1.2 SE HARLAN [41.64, -95.31]				
	04/28/14 12:00 CST		0	Hail (0.75 in)
	04/28/14 12:00 CST		0	Source: Public
Isolated to scattered thunderstorms moved across western Iowa on Sunday morning April 27th, and again developed along a nearly stationary boundary on Monday afternoon April 28th. Some of these storms produced small hail.				
NEBRASKA, East				
RICHARDSON COUNTY --- FALLS CITY [40.07, -95.60]				
	04/12/14 19:28 CST		0	Hail (1.00 in)
	04/12/14 19:33 CST		0	Source: Trained Spotter
The spotter indicated the hail lasted for 5 minutes.				
LANCASTER COUNTY --- 2.5 ENE ROKEBY [40.74, -96.69]				
	04/13/14 07:57 CST		0	Hail (0.88 in)
	04/13/14 07:57 CST		0	Source: Emergency Manager
Hail to the size of nickels was reported on the south side of Lincoln.				
(NE-Z015) THURSTON, (NE-Z016) ANTELOPE, (NE-Z030) BOONE				
	04/13/14 11:30 CST		0	Winter Weather
	04/13/14 18:30 CST		0	
Ahead of a strong cold front, warm and moist air moved into the middle Missouri River Valley. As temperatures increased into the 80s ahead of the cold front, a strong capping inversion weakened and allowed for isolated to scattered thunderstorms to develop from western Iowa into southeast Nebraska. The thunderstorms produced isolated occurrences of severe weather in the form of large hail across parts of the area. Occasional strong thunderstorms continued overnight and into Sunday morning that continued to produce small hail. As the cold air rushed into the area the rain changed to snow over parts of eastern Nebraska and western Iowa. Some of the snow in northeast Nebraska was heaving leading to significant accumulations by Sunday evening.				
(NE-Z016) ANTELOPE				
	04/23/14 20:50 CST		0	High Wind (MAX 56 kt)
	04/23/14 20:50 CST		0	
Strong winds were observed behind a weak band of showers and isolated thunderstorms in parts of northeast Nebraska during the evening of April 23rd. These winds, estimated near 65 mph, produced minor damage to trees and power lines in Wisner.				
RICHARDSON COUNTY --- 0.5 W HUMBOLDT [40.17, -95.94]				
	04/27/14 08:48 CST		0	Hail (0.88 in)
	04/27/14 08:48 CST		0	Source: Public
PLATTE COUNTY --- 1.7 SW ST BERNARD [41.70, -97.65]				
	04/27/14 17:25 CST		0	Hail (1.25 in)
	04/27/14 17:25 CST		0	Source: Storm Chaser
PLATTE COUNTY --- 2.0 E LINDSAY [41.70, -97.66]				
	04/27/14 17:25 CST		0	Thunderstorm Wind (EG 50 kt)
	04/27/14 17:25 CST		0	Source: Storm Chaser
A storm chaser reported wind gusts of 50 to 60 mph with the thunderstorm.				
MADISON COUNTY --- 2.6 SW MADISON [41.80, -97.50]				
	04/27/14 17:40 CST		0	Hail (1.00 in)
	04/27/14 17:40 CST		0	Source: Public
MADISON COUNTY --- 3.0 SW MADISON [41.80, -97.51]				

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	04/27/14 17:40 CST		0	Thunderstorm Wind (EG 50 kt)
	04/27/14 17:40 CST		0	Source: Public

The public estimated gusts of 50 to 60 mph associated with the thunderstorm.

PLATTE COUNTY --- 2.1 SSE LINDSAY [41.67, -97.69]

	04/27/14 18:40 CST		0	Hail (1.00 in)
	04/27/14 18:40 CST		0	Source: Public

PIERCE COUNTY --- PIERCE [42.20, -97.53], 4.0 N PIERCE [42.26, -97.53]

	04/27/14 19:25 CST		0	Hail (1.25 in)
	04/27/14 19:30 CST		0	Source: Law Enforcement

The ground was covered with mostly pea size hail, but a few up to quarter size was also observed in Pierce. The hail extended north of Pierce for several miles where hail up to half dollar size was measured.

PIERCE COUNTY --- 3.8 SW MC LEAN [42.33, -97.53]

	04/27/14 19:50 CST		0	Hail (1.50 in)
	04/27/14 19:50 CST		0	Source: Public

PIERCE COUNTY --- 0.5 W PLAINVIEW [42.35, -97.79]

	04/27/14 20:44 CST		0	Hail (1.00 in)
	04/27/14 20:44 CST		0	Source: Trained Spotter

THURSTON COUNTY --- 0.9 SW MACY [42.11, -96.36]

	04/28/14 10:58 CST		0	Hail (0.88 in)
	04/28/14 10:58 CST		0	Source: Trained Spotter

A powerful storm system moved into the central Plains during the day on Sunday April 27th. This system brought more widespread severe weather to areas of the southern Plains into the southeast United States, but for eastern Nebraska morning showers and thunderstorms, some of which were strong, severely limited the degree of instability that was available during the afternoon when a deep area of low pressure moved into central Nebraska. As a result only isolated thunderstorms were able to develop, and mainly confined to areas of central into northeast Nebraska where isolated severe weather in the form of large hail occurred. With the storm system still in the area on Monday the 28th, isolated strong storms again developed in the afternoon producing small hail.