

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

IOWA, Southwest

(IA-Z090) FREMONT

	05/03/15 00:55 CST	0	High Wind (MAX 54 kt)
	05/03/15 00:55 CST	0	

A weakening thunderstorm complex moved into western Iowa early in the morning on May 3rd. The light rain falling from the weakening thunderstorms interacted with a strong low-level jet to allow for strong winds to translate to the surface creating strong winds gusts.

MILLS COUNTY --- EMERSON [41.02, -95.40]

	05/07/15 13:59 CST	0	Hail (0.88 in)
	05/07/15 13:59 CST	0	Source: Emergency Manager

MONTGOMERY COUNTY --- 3.6 SSE WALES [41.07, -95.31]

	05/07/15 15:45 CST	0	Hail (1.25 in)
	05/07/15 15:45 CST	0	Source: Public

A cold front associated with the storm system that brought the heavy rainfall to the area on the evening of the 6th, moved through southeast Nebraska and southwest Iowa on the afternoon of the 7th. Scattered showers and thunderstorms developed along the cold front by mid afternoon and continued into the early evening hours. Isolated storms produced marginal severe weather in both southeast Nebraska and southwest Iowa.

HARRISON COUNTY --- 0.9 SW MISSOURI VLY [41.56, -95.91]

	05/10/15 12:43 CST	0	Thunderstorm Wind (MG 56 kt)
	05/10/15 12:44 CST	0	Source: Storm Chaser

HARRISON COUNTY --- 0.7 N LITTLE SIOUX [41.81, -96.03]

	05/10/15 13:00 CST	0	Thunderstorm Wind (EG 52 kt)
	05/10/15 13:00 CST	0	Source: COOP Observer

The Little Sioux COOP Observer estimated winds to 60 mph.

A potent upper level storm system moving through the central Plains brought another round of isolated severe weather to the area. Thunderstorms increased during the early afternoon along and ahead of a Pacific cold front over eastern Nebraska and southwest Iowa and moved almost due north. Instability was very limited across the area, but strong shear allowed for a few of the storms to produced severe weather. Most of the severe weather was in the form of strong thunderstorm winds, but some hail was also observed.

FREMONT COUNTY --- 1.3 ESE MC PAUL [40.81, -95.78], 1.6 E BARTLETT [40.88, -95.75]

	05/25/15 17:25 CST	0	Hail (1.25 in)
	05/25/15 17:30 CST	0	Source: Trained Spotter

Trained spotters reported hail from 1 inch to 1.25 inches in diameter along the path of the storm.

Isolated to scattered thunderstorms developed during the late afternoon of the 25th as modified gulf moisture returned north into the middle Missouri River Valley. As moisture returned to the area, instability increased and allowed for the thunderstorm development. The majority of the thunderstorms were non-severe in nature due to the weak atmospheric shear and limited instability, but isolated large hail was observed in southeast Nebraska and southwest Iowa.

NEBRASKA, East

PLATTE COUNTY --- 0.5 E OCONEE [41.47, -97.49]

	05/02/15 17:57 CST	0	Hail (1.00 in)
	05/02/15 17:57 CST	0	Source: Public

PLATTE COUNTY --- 2.1 SW PLATTE CENTER [41.51, -97.53]

	05/02/15 18:00 CST	0	Hail (0.88 in)
	05/02/15 18:00 CST	0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
COLFAX COUNTY --- 8.2 NNW ROGERS [41.57, -97.02]				
	05/02/15 18:43 CST	0		Hail (1.50 in)
	05/02/15 18:43 CST	0		Source: Public
COLFAX COUNTY --- 1.1 SW SCHUYLER [41.44, -97.08]				
	05/02/15 19:02 CST	0		Hail (1.75 in)
	05/02/15 19:02 CST	0		Source: Trained Spotter
ANTELOPE COUNTY --- 3.2 WSW TILDEN [42.04, -97.89]				
	05/02/15 20:00 CST	0		Hail (1.00 in)
	05/02/15 20:00 CST	0		Source: Public
SAUNDERS COUNTY --- 2.1 SSE MORSE BLUFF [41.40, -96.77]				
	05/02/15 20:03 CST	0		Hail (1.50 in)
	05/02/15 20:03 CST	0		Source: Emergency Manager
DODGE COUNTY --- NORTH BEND [41.47, -96.78]				
	05/02/15 20:13 CST	0		Hail (0.88 in)
	05/02/15 20:13 CST	0		Source: Amateur Radio
CUMING COUNTY --- 3.4 WSW MONTEREY [41.78, -96.88]				
	05/02/15 20:40 CST	0		Hail (0.88 in)
	05/02/15 20:40 CST	0		Source: Trained Spotter
<p>Scattered severe thunderstorms developed out ahead of a surface trough along a couple of confluence zones in an area with steep mid level lapse rates and limited instability. There were a couple severe hail reports...the largest of which occurred from a splitting cell over Colfax county.</p>				
LANCASTER COUNTY --- 0.9 SE HANLON [40.66, -96.66]				
	05/03/15 16:57 CST	0		Hail (1.00 in)
	05/03/15 16:57 CST	0		Source: Trained Spotter
LANCASTER COUNTY --- 2.3 SSE ROCA [40.62, -96.63]				
	05/03/15 17:10 CST	0		Hail (1.75 in)
	05/03/15 17:10 CST	0		Source: Trained Spotter
LANCASTER COUNTY --- 5.1 SSE PANAMA [40.53, -96.49]				
	05/03/15 17:35 CST	0		Hail (2.00 in)
	05/03/15 17:35 CST	0		Source: Trained Spotter
OTOE COUNTY --- 4.2 WSW DOUGLAS [40.55, -96.44]				
	05/03/15 17:50 CST	0		Hail (1.75 in)
	05/03/15 17:50 CST	0		Source: Trained Spotter
GAGE COUNTY --- 2.1 NNW ADAMS [40.50, -96.51]				
	05/03/15 17:52 CST	0		Hail (2.00 in)
	05/03/15 17:52 CST	0		Source: Storm Chaser
LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]				
	05/03/15 17:52 CST	0		Hail (0.88 in)
	05/03/15 17:52 CST	0		Source: Trained Spotter
<p>Hail was falling near Memorial Stadium.</p>				
JOHNSON COUNTY --- 1.7 ESE STERLING [40.46, -96.34]				
	05/03/15 18:15 CST	0		Hail (1.00 in)
	05/03/15 18:15 CST	0		Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
JOHNSON COUNTY --- 0.9 SW STERLING [40.46, -96.38]				
	05/03/15 18:26 CST	0		Hail (2.00 in)
	05/03/15 18:37 CST	0		Source: Trained Spotter
Hail ranged in size at different times from penny size to as large as 2 inches in diameter.				
JOHNSON COUNTY --- 1.7 ESE STERLING [40.46, -96.34]				
	05/03/15 18:33 CST	0		Hail (1.75 in)
	05/03/15 18:33 CST	0		Source: Trained Spotter
LANCASTER COUNTY --- 3.1 NNW ROKEBY [40.76, -96.74]				
	05/03/15 18:41 CST	0		Hail (1.00 in)
	05/03/15 18:41 CST	0		Source: Public
CUMING COUNTY --- 8.4 NNE BEEMER [42.04, -96.75]				
	05/03/15 18:45 CST	0		Hail (2.00 in)
	05/03/15 18:45 CST	0		Source: Trained Spotter
LANCASTER COUNTY --- 1.8 NNE JAMAICA [40.73, -96.67]				
	05/03/15 19:04 CST	0		Hail (1.75 in)
	05/03/15 19:04 CST	0		Source: Emergency Manager
THURSTON COUNTY --- 0.5 W WALTHILL [42.15, -96.49]				
	05/03/15 19:18 CST	0		Hail (1.00 in)
	05/03/15 19:18 CST	0		Source: Emergency Manager
JOHNSON COUNTY --- 0.9 SE COOK [40.51, -96.16]				
	05/03/15 19:20 CST	0		Hail (1.00 in)
	05/03/15 19:32 CST	0		Source: COOP Observer
LANCASTER COUNTY --- 2.4 NW FIRTH [40.55, -96.63], 2.1 NW FIRTH [40.55, -96.63]				
	05/03/15 19:33 CST	0		Tornado (EF0, L: 0.30 mi , W: 100 yd)
	05/03/15 19:35 CST	0		Source: Storm Chaser
Storm chaser reports, as well as video, indicated a brief tornado occurred from the supercell in southern Lancaster County. No damage was reported from the tornado, and video indicated that the tornado was brief.				
GAGE COUNTY --- 0.9 SE ADAMS [40.46, -96.49]				
	05/03/15 19:45 CST	0		Hail (1.00 in)
	05/03/15 19:45 CST	0		Source: Trained Spotter
NEMAHA COUNTY --- 0.7 S JOHNSON [40.41, -96.00]				
	05/03/15 20:00 CST	0		Hail (1.50 in)
	05/03/15 20:16 CST	0		Source: Trained Spotter
The hail lasted for several minutes in the city of Johnson and ranged from 1 inch to 1.50 inches in diameter.				
THURSTON COUNTY --- 0.7 N WINNEBAGO [42.24, -96.47]				
	05/03/15 20:03 CST	0		Hail (0.75 in)
	05/03/15 20:08 CST	0		Source: Emergency Manager
JOHNSON COUNTY --- 0.9 SW STERLING [40.46, -96.38]				
	05/03/15 20:05 CST	0		Hail (2.00 in)
	05/03/15 20:09 CST	0		Source: Storm Chaser
NEMAHA COUNTY --- 3.8 ESE JOHNSON [40.39, -95.94]				
	05/03/15 20:11 CST	0		Hail (1.75 in)
	05/03/15 20:11 CST	0		Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
JOHNSON COUNTY --- 0.9 SW TECUMSEH [40.36, -96.19], 0.5 W TECUMSEH [40.37, -96.19]				
	05/03/15 20:40 CST		0	Hail (1.25 in)
	05/03/15 20:45 CST		0	Source: COOP Observer
Hail from 1 inch to 1.25 inches in diameter was reported by both the public and an COOP Observer.				
SAUNDERS COUNTY --- 0.9 SE ASHLAND [41.04, -96.37]				
	05/03/15 22:35 CST		0	Hail (0.75 in)
	05/03/15 22:35 CST		0	Source: Trained Spotter
Thunderstorms developed in two areas of eastern Nebraska on the afternoon of May 3rd. The first and most intense developed near Lincoln at the intersection of a surface trough and a thermal boundary, which was the result of earlier day weaker thunderstorms. Although moisture and thus instability were limited, favorable shear and boundary interaction allowed for a couple of supercells to track southeast across southeast Nebraska producing significant hail and one weak tornado. The other area of thunderstorm development was across northeast Nebraska associated with a cold front. This area had limited instability as well, but also weaker shear than farther south and resulted in less intense storms. The threat of severe weather generally ended shortly after midnight as the storms weakened.				
SALINE COUNTY --- 1.5 SSW TOBIAS [40.40, -97.34]				
	05/06/15 18:01 CST		0	Hail (0.75 in)
	05/06/15 18:01 CST		0	Source: Emergency Manager
SALINE COUNTY --- 0.7 S WESTERN [40.39, -97.20]				
	05/06/15 18:18 CST		0	Thunderstorm Wind (EG 50 kt)
	05/06/15 18:18 CST		0	Source: Emergency Manager
The emergency manager relayed a report of a spotter estimated wind gust to 60 mph.				
JEFFERSON COUNTY --- 1.6 NNE REYNOLDS [40.09, -97.32], 1.6 S GLADSTONE [40.15, -97.30]				
	05/06/15 18:48 CST		0	Thunderstorm Wind (EG 50 kt)
	05/06/15 18:54 CST		0	Source: Emergency Manager
A survey from the emergency manager indicated an area of damaging winds in southwest Jefferson County . Damage included minor outbuilding damage, power lines downed, and center irrigation pivots overturned. The damage appears to have been caused by rear-flank downdrafts.				
JEFFERSON COUNTY --- 5.9 WNW DAYKIN [40.35, -97.39], 4.4 NE PLYMOUTH [40.35, -96.92], 3.9 SE HELVEY [40.24, -97.19], 5.4 W POWELL [40.22, -97.38]				
	05/06/15 20:49 CST		10K	Flash Flood (due to Heavy Rain)
	05/06/15 20:49 CST		0	Source: Emergency Manager
Extremely heavy rainfall of 5 to 10 inches occurred across the northern half of Jefferson County . This led to flash flooding across a large part of the northern half of the county with numerous road closures reported.				
LANCASTER COUNTY --- 1.5 SSW HUSKERVILLE [40.85, -96.83], 2.7 W WAVERLY [40.92, -96.57], 3.8 SSE PRINCETON [40.52, -96.67], 2.7 WSW MARTELL [40.62, -96.80], 2.5 NW DENTON [40.75, -96.87]				
	05/06/15 20:59 CST		50K	Flash Flood (due to Heavy Rain)
	05/06/15 22:29 CST		0	Source: Trained Spotter
Rainfall of 3 to 7 inches fell across a large portion of Lancaster County. Numerous reports of flash flooding were received, especially in and around the city of Lincoln. There were a large number of flooded streets as well as a few water recuse that took place.				
GAGE COUNTY --- 1.4 E HOAG [40.32, -96.80], 2.6 NNW (BIE)BEATRICE ARPT [40.34, -96.76]				
	05/06/15 21:33 CST		0	Thunderstorm Wind (EG 55 kt)
	05/06/15 21:39 CST		0	Source: NWS Storm Survey
An area of wind damage was surveyed to the northwest of the city of Beatrice. This damage appeared to be straight-lined in nature and consisted on tree branches from 1 to 3 inches in diameter and minor shed damage.				
GAGE COUNTY --- 0.6 NW CORTLAND [40.51, -96.71], 1.7 NNE CORTLAND [40.52, -96.69]				
	05/06/15 21:49 CST		0	Tornado (EF1, L: 1.51 mi , W: 500 yd)
	05/06/15 21:54 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

A damage survey indicated a weak tornado developed near Cortland and traveled to the northeast. Damage in Cortland and surrounding areas of Gage County consisted of large tree branches and some minor shed damage. This tornado then continued into Lancaster County.

LANCASTER COUNTY --- 3.3 S PRINCETON [40.52, -96.69], 2.1 WSW HOLLAND [40.59, -96.62]

	05/06/15 21:54 CST	0		Tornado (EF1, L: 6.16 mi, W: 500 yd)
	05/06/15 21:59 CST	0		Source: NWS Storm Survey

This tornado continued from Gage County into Lancaster County. The damage along the path of the tornado was generally minor and consisted of outbuildings, large tree branches, and downed power lines. The tornado appeared to reach its maximum intensity along Princeton Road and between 38th and 54th streets. Here several farmsteads were impacted where roof damage to homes was noted, and high-tension power lines were downed.

LANCASTER COUNTY --- 2.2 ESE HICKMAN [40.59, -96.63], 1.3 NNW HOLLAND [40.62, -96.59]

	05/06/15 22:02 CST	0		Thunderstorm Wind (EG 62 kt)
	05/06/15 22:09 CST	0		Source: NWS Storm Survey

An area of wind damage was surveyed and appeared to be caused by straight-lined winds. The damage consisted of some minor outbuilding damage, large tree limbs down, and center irrigation pivots overturned.

LANCASTER COUNTY --- 1.7 WSW CLEARIDGE ARPT [40.71, -96.51]

	05/06/15 22:15 CST	0		Hail (0.88 in)
	05/06/15 22:15 CST	0		Source: Amateur Radio

SALINE COUNTY --- 2.9 ESE SHESTAK [40.52, -96.92], 3.3 S DE WITT [40.35, -96.92], 4.8 SW WESTERN [40.35, -97.27], 3.3 NE WESTERN [40.43, -97.15], 0.7 W SHESTAK [40.53, -96.98]

	05/06/15 23:00 CST	20K		Flash Flood (due to Heavy Rain)
	05/06/15 23:00 CST	0		Source: Emergency Manager

Rainfall of 6 to 10 inches across the county lead to significant flash flooding. In addition to street flooding in the communities of Wilber, De Witt, and Western, State highways 103 and 41 were also closed due to water over the road. At least one water rescue was performed due to the flooding.

LANCASTER COUNTY --- 2.1 NNW WAVERLY [40.95, -96.53], 4.1 W DENTON [40.74, -96.91], 3.5 SW KRAMER [40.54, -96.91], 0.9 E SPRAGUE [40.62, -96.71], 3.6 ESE WALTON [40.77, -96.51]

	05/07/15 02:01 CST	50K		Flash Flood (due to Heavy Rain)
	05/07/15 02:55 CST	0		Source: Emergency Manager

The heavy rainfall continued across Lancaster County and allowed for flash flooding to continue well into the night. The flash flooding included along the Beal Slough Creek and continued street flooding.

JEFFERSON COUNTY --- 5.7 WNW DAYKIN [40.35, -97.38], 3.5 NNE PLYMOUTH [40.34, -96.95], 5.8 E HELVEY [40.27, -97.14], 0.4 SSE HELVEY [40.26, -97.25], 5.3 WSW DAYKIN [40.28, -97.37]

	05/07/15 02:55 CST	0.50M		Flash Flood (due to Heavy Rain)
	05/07/15 02:55 CST	0		Source: Emergency Manager

The emergency manager reported that flash flooding continued as heavy rainfall continued during the overnight. The flooding destroyed a bridge along state highway 15 in northern Jefferson County.

A storm system moving through the central plains allowed for low pressure to develop over the high Plains, and a warm front to lift north into the northern Plains. Thunderstorms developed during the early afternoon along a sharpening dry line over central Plains and moved northeast. Moisture and thunderstorms moved into eastern Nebraska and southwest Iowa during the late afternoon hours. As shear increased during the evening isolated severe weather was observed over southeast Nebraska, mainly in the form of strong winds and 1 EF1 tornado. Although isolated severe weather occurred, training thunderstorms resulting in extremely heavy rainfall and flash flooding across many areas of southeast Nebraska.

SALINE COUNTY --- 3.2 WSW SHESTAK [40.51, -97.02], 4.2 W DE WITT [40.40, -97.00], 1.7 S DE WITT [40.37, -96.92], 2.6 SW SHESTAK [40.50, -97.00]

	05/06/15 21:45 CST	0.10B		Flood (due to Heavy Rain)
	05/09/15 09:46 CST	50K		Source: River/Stream Gage

Extremely heavy rainfall of 5 to 10 inches fell along the Turkey Creek basin. This allowed for the creek to swell into moderate flood levels. Flooding along the Creek resulted in numerous rural road closures and significant low-land flooding. The combination of the Turkey Creek and Big Blue river led to nearly the entire town of De Witt to be flooded on the 7th of May resulting in a voluntary evacuation of the city. The creek at Wilber crested at 17.89 feet, or 5.39 feet above flood stage.

LANCASTER COUNTY --- 0.7 SSW ROCA [40.64, -96.65], 1.7 ESE LAKEVIEW [40.81, -96.70], 2.0 WSW WAVERLY [40.91, -96.56], 3.3 NNE HAVELock [40.91, -96.60], 1.5 W LAKEVIEW [40.82, -96.76]

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/06/15 23:14 CST		0.10B	Flood (due to Heavy Rain)
	05/08/15 23:00 CST		50K	Source: River/Stream Gage

Record rainfall of 5 to 10 inches fell across Lancaster County, and the Salt Creek basin on the evening of the 6th into the early morning of the 7th. This led to significant flooding along the creek, from near Roca north through the Lincoln metro area. The flooding resulted in numerous road closures, water rescues and some mandatory evacuations. The flooding was largely contained within the levy system within the city of Lincoln, but many parks and low-lined areas were flooded.

JEFFERSON COUNTY --- 0.4 WSW POWELL [40.22, -97.29], 1.4 S POWELL [40.20, -97.28], 1.6 W ENDICOTT [40.08, -97.13], 1.3 WNW ENDICOTT [40.09, -97.12], 2.8 NE HEDRIX [40.21, -97.22]

05/07/15 00:44 CST	1	5M	Flood (due to Heavy Rain)
05/08/15 11:18 CST		0.30M	Source: River/Stream Gage

Extremely heavy rainfall of 6 to 10 inches fell across the northern basin of the Little Blue River. This cause the river to swell to record levels around the Fairbury area. The flooding resulted in the mandatory evacuations of areas of the western and southern parts of town, to the west of the Union Pacific Railroad tracks. The flooding of some residents along the river did result in one fatality of an elderly residence in her basement. The river crested at 25.42 feet or 6.92 feet above flood stage.

Direct Fatalities: F86PH

CASS COUNTY --- 2.0 SW GREENWOOD [40.95, -96.46], 3.5 NNE GREENWOOD [41.01, -96.40], 3.1 NNW GREENWOOD [41.01, -96.44], 1.8 NW GREENWOOD [40.99, -96.45], 1.6 WSW GREENWOOD [40.96, -96.46]

05/07/15 01:30 CST		30K	Flood (due to Heavy Rain)
05/08/15 12:15 CST		30K	Source: River/Stream Gage

Rainfall of 4 to 9 inches fell along the Salt Creek River basin leading to record river levels around the Greenwood area. Although the river reached record levels, most of the flood waters were confined to within the levy system and to low-lined areas along the creek.

SAUNDERS COUNTY --- 1.7 E ASHLAND [41.05, -96.35], 1.4 SE ASHLAND [41.03, -96.36], 2.8 SSW ASHLAND [41.02, -96.41], 3.5 SW ASHLAND [41.02, -96.43], 2.1 SW ASHLAND [41.03, -96.41]

05/07/15 01:30 CST		0.50M	Flood (due to Heavy Rain)
05/08/15 12:15 CST		20K	Source: River/Stream Gage

Very heavy rainfall of 4 to 7 inches fell across the Salt Creek River basin on the evening of the 6th into the early morning of the 7th. This led to significant flooding along the creek into the Ashland area. The flooding affected lower lined areas of the south and east side of Ashland, as well as rural areas upstream of town.

SALINE COUNTY --- 4.5 NNW CRETE [40.69, -96.97], 0.6 WSW CRETE [40.63, -96.96], 1.6 N DE WITT [40.42, -96.92], 2.8 WNW DE WITT [40.42, -96.97], 4.9 NNW CRETE [40.69, -97.00]

05/07/15 04:31 CST		4.50M	Flood (due to Heavy Rain)
05/09/15 15:23 CST		0.25M	Source: River/Stream Gage

Heavy rainfall of 3 to 7 inches across the Big Blue River basin led to minor flooding along the river near Crete. The flooding was even more significant to the south of the river gauge near DeWitt where the entire town was inundated with flooding leading to evacuations. The Big Blue River crested near Crete at 24.21 feet, or 3.21 feet above flood stage during the afternoon of the 7th.

SAUNDERS COUNTY --- 1.1 ESE ASHLAND [41.04, -96.36], 2.0 W MEMPHIS [41.10, -96.49], 1.3 SSW ITHACA [41.15, -96.56], 2.0 ESE ITHACA [41.15, -96.52], 2.1 ESE MEMPHIS [41.09, -96.41]

05/07/15 06:45 CST		0	Flood (due to Heavy Rain)
05/07/15 21:42 CST		20K	Source: River/Stream Gage

Heavy rainfall of 2 to 5 inches fell across the Wahoo Creek basin from the evening of the 6th into the morning of the 7th. This resulted in widespread low-land flooding along the creek from near Ithaca to Ashland. The creek crested during the morning on the 7th at 1.64 feet above flood stage at 20.43 feet.

SEWARD COUNTY --- 2.2 S STAPLEHURST [40.94, -97.16], 2.7 S STAPLEHURST [40.93, -97.18], 2.8 WNW SEWARD [40.91, -97.15], 0.5 WSW SEWARD [40.90, -97.11], 1.1 NW SEWARD [40.91, -97.12]

05/07/15 08:45 CST		0	Flood (due to Heavy Rain)
05/07/15 21:00 CST		10K	Source: River/Stream Gage

Heavy rainfall of 3 to 6 inches on the evening of May 6th into the early morning of the 7th led to the Lincoln Creek to rise to just above flood stage near Seward. this resulted in low-land flooding along the river. The creek crested at 15.05 feet, or .05 feet above flood stage.

GAGE COUNTY --- 5.7 SW CLATONIA [40.41, -96.90], 2.7 NNW HOLMESVILLE [40.24, -96.67], 2.2 E BLUE SPGS [40.13, -96.63], 0.7 NNE BLUE SPGS [40.14, -96.67], 5.3 NW HOAG [40.37, -96.90]

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/07/15 09:48 CST		0.75M	Flood (due to Heavy Rain)
	05/10/15 18:05 CST		0.10M	Source: River/Stream Gage

Moderate flooding occurred along the Big Blue River through northern and central Gage County. The flooding was extensive over the western and southern side of the city of Beatrice leading to many local streets to be closed, in addition to U.S. Highway 77 and U.S. 136. The Big Blue River at Beatrice crested at 30.11 feet, or 12.11 feet above flood stage late in the evening on the 7th.

GAGE COUNTY --- 0.4 S BARNESTON [40.05, -96.58], 2.3 NNW HOLMESVILLE [40.23, -96.67], 3.2 SSE BEATRICE [40.23, -96.71], 1.5 NNE BLUE SPGS [40.15, -96.66], 0.8 WSW BARNESTON [40.05, -96.60]

05/07/15 22:25 CST	0.10M	Flood (due to Heavy Rain)
05/10/15 12:52 CST	0.10M	Source: River/Stream Gage

Very heavy rainfall of 3 to 7 inches fell upstream of the river gauge and allowed for the river to rise into moderate flooding near Barneston. This resulted in significant low-land flooding along the river. In addition, small streams near Wymore and Blue Springs backed up causing local flood problems in these areas. The Big Blue River near Barneston crested at 28.93 feet or 8.93 feet above flood stage during the morning on the 8th.

RICHARDSON COUNTY --- 4.6 NNE RULO [40.11, -95.40], 4.5 N RULO [40.11, -95.42], 0.3 ENE RULO [40.05, -95.43], 1.3 SSE RULO [40.03, -95.42], 2.7 NE RULO [40.08, -95.40]

05/08/15 10:45 CST	0	Flood (due to Heavy Rain)
05/09/15 08:00 CST	10K	Source: River/Stream Gage

Heavy rainfall over parts of southeast Nebraska on the 6th and 7th of May resulting in minor flooding along the Missouri River near Rulo. The river crested at 17.30 feet, or .3 feet above flood state during the early morning on the 9th of May. The flooding was confined to low-lying areas along the river.

NEMAHA COUNTY --- 1.0 ESE PERU [40.47, -95.71], 1.8 E PERU [40.48, -95.70], 2.5 N BROWNVILLE [40.43, -95.66], 2.4 SSE BROWNVILLE [40.37, -95.64]

05/08/15 17:22 CST	0	Flood (due to Heavy Rain)
05/09/15 20:45 CST	10K	Source: River/Stream Gage

Runoff from heavy rainfall over parts of southeast Nebraska from the 6 into the 7th of May lead to minor flooding along the Missouri River. The river crested just above flood stage at 33.04 feet during the evening of the 8th of May, and resulted in just minor flooding of low-lands along the river.

Very heavy, and in some cases, record rainfall fell across southeast Nebraska on the evening of the 6th and into the early morning hours of the 7th. This led to flooding on several rivers and creeks across southeast Nebraska on the days to follow. In some cases the flooding reached record levels and resulted in significant damage, and tragically 1 fatality.

GAGE COUNTY --- 2.1 NW ODELL [40.07, -96.83]

05/07/15 14:04 CST	0	Hail (1.25 in)
05/07/15 14:04 CST	0	Source: Public

GAGE COUNTY --- 2.1 NNE LANHAM [40.03, -96.86]

05/07/15 14:05 CST	0	Hail (0.88 in)
05/07/15 14:05 CST	0	Source: Trained Spotter

JOHNSON COUNTY --- 0.9 SW STERLING [40.46, -96.38]

05/07/15 17:37 CST	0	Thunderstorm Wind (EG 52 kt)
05/07/15 17:37 CST	0	Source: Trained Spotter

A spotter reported tree limbs were blown down. The spotter estimated winds near 60 mph.

A cold front associated with the storm system that brought the heavy rainfall to the area on the evening of the 6th, moved through southeast Nebraska and southwest Iowa on the afternoon of the 7th. Scattered showers and thunderstorms developed along the cold front by mid afternoon and continued into the early evening hours. Isolated storms produced marginal severe weather in both southeast Nebraska and southwest Iowa.

NEMAHA COUNTY --- 1.7 ESE AUBURN ARPT [40.39, -95.75]

05/10/15 11:12 CST	0	Thunderstorm Wind (EG 52 kt)
05/10/15 11:12 CST	0	Source: COOP Observer

The COOP Observer reported winds near 60 mph.

DOUGLAS COUNTY --- 0.7 SE (OMA)EPPELY FLD OMAH [41.29, -95.89]

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/10/15 12:25 CST		0	Thunderstorm Wind (MG 50 kt)
	05/10/15 12:25 CST		0	Source: ASOS
<hr/>				
CEDAR COUNTY --- 0.7 N COLERIDGE [42.51, -97.20]				
	05/10/15 12:30 CST		0	Hail (0.75 in)
	05/10/15 12:30 CST		0	Source: Public
<hr/>				
WASHINGTON COUNTY --- 1.6 W FT CALHOUN [41.47, -96.06]				
	05/10/15 12:34 CST		0	Thunderstorm Wind (EG 52 kt)
	05/10/15 12:34 CST		0	Source: Trained Spotter
<hr/>				
A trained spotter estimated wind gusts to 60 mph.				
<hr/>				
CEDAR COUNTY --- 2.6 SE LAUREL [42.40, -97.05]				
	05/10/15 12:37 CST		0	Hail (1.50 in)
	05/10/15 12:37 CST		0	Source: Public
<hr/>				
BURT COUNTY --- 0.2 SSE TEKAMAH ARPT [41.77, -96.18]				
	05/10/15 13:02 CST		0	Thunderstorm Wind (MG 56 kt)
	05/10/15 13:02 CST		0	Source: ASOS
<hr/>				
THURSTON COUNTY --- 4.9 SSE MACY [42.06, -96.30]				
	05/10/15 13:38 CST		0	Thunderstorm Wind (EG 52 kt)
	05/10/15 13:38 CST		0	Source: Emergency Manager
<hr/>				
A couple of trees were blown down blocking the road.				
<hr/>				
THURSTON COUNTY --- 0.9 SW MACY [42.11, -96.36]				
	05/10/15 13:40 CST		0	Hail (0.75 in)
	05/10/15 13:40 CST		0	Source: Emergency Manager
<hr/>				
<p>A potent upper level storm system moving through the central Plains brought another round of isolated severe weather to the area. Thunderstorms increased during the early afternoon along and ahead of a Pacific cold front over eastern Nebraska and southwest Iowa and moved almost due north. Instability was very limited across the area, but strong shear allowed for a few of the storms to produced severe weather. Most of the severe weather was in the form of strong thunderstorm winds, but some hail was also observed.</p>				
<hr/>				
BOONE COUNTY --- 5.0 SE CEDAR RAPIDS [41.52, -98.08], 4.0 SE CEDAR RAPIDS [41.53, -98.10]				
	05/17/15 19:43 CST		0	Thunderstorm Wind (EG 60 kt)
	05/17/15 19:44 CST		0	Source: Public
<hr/>				
<p>The public reported winds to near 70 mph. This resulted in tree limbs of 2 to 3 inches in diameter being blown down. There were also center irrigation pivots overturned as well.</p>				
<p>Scattered showers and thunderstorms developed during the afternoon on May 17th along and ahead of a cold front. Nearly all the storms remained below severe limits, but one cell moving through central Nebraska and into Boone County briefly became severe with strong gusty winds.</p>				
<hr/>				
OTOE COUNTY --- 1.6 E NEBRASKA CITY [40.65, -95.82]				
	05/25/15 17:07 CST		0	Hail (1.75 in)
	05/25/15 17:07 CST		0	Source: Public
<hr/>				
OTOE COUNTY --- 0.9 NW PALMYRA [40.71, -96.39]				
	05/25/15 18:45 CST		0	Hail (0.88 in)
	05/25/15 18:45 CST		0	Source: Law Enforcement
<hr/>				
OTOE COUNTY --- UNADILLA [40.68, -96.27]				
	05/25/15 18:45 CST		0	Hail (1.00 in)
	05/25/15 18:45 CST		0	Source: Trained Spotter

Isolated to scattered thunderstorms developed during the late afternoon of the 25th as modified gulf moisture returned north into the middle Missouri River Valley. As moisture returned to the area, instability increased and allowed for the thunderstorm development.

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	----------------------	------------------------	------------------------

The majority of the thunderstorms were non-severe in nature due to the weak atmospheric shear and limited instability, but isolated large hail was observed in southeast Nebraska and southwest Iowa.