

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>IOWA, Southwest</b>				
<b>SHELBY COUNTY --- HARLAN [41.65, -95.33]</b>				
	06/19/09 03:15 CST	0		Thunderstorm Wind (EG 52 kt)
	06/19/09 03:15 CST	0		Source: Trained Spotter
A spotter estimated thunderstorm wind gusts around 60 mph in the Harlan area.				
<b>SHELBY COUNTY --- IRWIN [41.80, -95.20]</b>				
	06/19/09 03:25 CST	0		Thunderstorm Wind (EG 50 kt)
	06/19/09 03:25 CST	0		Source: Trained Spotter
A spotter in the Irwin area stated that healthy tree branches , some up to a few inches in diameter, were downed by thunderstorm winds that were estimated at close to 60 mph.				
<p><b>A cluster of thunderstorms that developed west of the region moved into eastern Nebraska and western Iowa during the early morning hours of June 19th. A fairly strong cap was overcome, aided by a low level jet and an upper level disturbance which provided some cooling aloft. The strongest storms occurred in Butler county Nebraska as a cluster bowed out producing scattered wind damage. Although weakening somewhat, the storms continued to produce occasional wind damage as they progressed into western Iowa.</b></p>				
<b>(IA-Z069) POTTAWATTAMIE, (IA-Z079) MILLS, (IA-Z080) MONTGOMERY, (IA-Z090) FREMONT, (IA-Z091) PAGE</b>				
	06/22/09 13:00 CST	0		Excessive Heat
	06/23/09 17:00 CST	0		
<p>A period of hot and very humid conditions was observed over eastern Nebraska and southwest Iowa on June 22nd and 23rd. High temperatures on the 22nd were in the lower to mid 90s and in the mid to upper 90s on the 23rd. Overnight lows on the 23rd were in the mid to upper 70s. Dew point temperatures on the 23rd were in the mid 70s to lower 80s. The combination of the heat and humidity brought heat index values up into the 108 to 118 degree range during the afternoon of the 23rd. Since these extremely uncomfortable temperatures occurred with light winds, generally less than 10 mph, conditions became deadly for livestock, especially during the afternoon of the 23rd. It was estimated that at least 2,000 head of cattle died because of the heat in eastern Nebraska and western Iowa, most of them on the 23rd. Conditions improved a bit during the late afternoon and early evening of the 23rd when isolated thunderstorms and associated outflow brought a little cooler temperatures and increased winds.</p>				
<b>HARRISON COUNTY --- 2.5 SE LITTLE SIOUX [41.78, -95.99]</b>				
	06/23/09 14:13 CST	0		Hail (1.00 in)
	06/23/09 14:13 CST	0		Source: Trained Spotter
Accompanied by 40 mph winds.				
<b>HARRISON COUNTY --- 2.0 NW LITTLE SIOUX [41.82, -96.06]</b>				
	06/23/09 14:40 CST	0		Thunderstorm Wind (EG 61 kt)
	06/23/09 14:40 CST	0		Source: COOP Observer
A cooperative observer near Little Sioux estimated thunderstorm winds around 70 mph knocked down 3 to 4 inch diameter tree limbs and flattened corn in the area.				
<b>HARRISON COUNTY --- WOODBINE [41.73, -95.72]</b>				
	06/23/09 14:40 CST	0		Thunderstorm Wind (EG 60 kt)
	06/23/09 14:40 CST	0		Source: Trained Spotter
Thunderstorm winds estimated at 70 mph knocked down numerous 3 to 4 inch limbs and split at least several other larger trees. One large branch was toppled onto a moving pickup severely damaging its front end.				
<b>HARRISON COUNTY --- MODALE [41.62, -96.02]</b>				
	06/23/09 14:42 CST	0		Thunderstorm Wind (EG 50 kt)
	06/23/09 14:42 CST	0		Source: Newspaper
Thunderstorm winds estimated at close to 60 mph ripped the top part of a grain bin off near Modale spilling the corn stored inside.				
<b>HARRISON COUNTY --- 5.0 NE LOGAN [41.70, -95.73]</b>				

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/23/09 14:44 CST		0	Thunderstorm Wind (EG 55 kt)
	06/23/09 14:44 CST		0	Source: Trained Spotter

Thunderstorm winds estimated at over 60 mph knocked down 6 to 8 inch in diameter tree limbs.

### SHELBY COUNTY --- PANAMA [41.73, -95.48]

	06/23/09 15:05 CST		0	Thunderstorm Wind (EG 55 kt)
	06/23/09 15:05 CST		0	Source: Emergency Manager

A power pole was snapped near Mosquito Creek by thunderstorm winds estimated at over 60 mph.

### SHELBY COUNTY --- 5.0 E DEFIANCE [41.83, -95.25]

	06/23/09 15:10 CST		0	Thunderstorm Wind (EG 61 kt)
	06/23/09 15:10 CST		0	Source: Trained Spotter

Thunderstorm winds estimated at least at 60 to 70 mph by a spotter flattened crops in the area.

### SHELBY COUNTY --- HARLAN [41.65, -95.33]

	06/23/09 15:10 CST		0	Thunderstorm Wind (EG 55 kt)
	06/23/09 15:10 CST		0	Source: Emergency Manager

Thunderstorm wind gusts estimated at over 60 mph damaged a farm outbuilding near Harlan.

### MONTGOMERY COUNTY --- 5.0 SSE STANTON [40.91, -95.10]

	06/23/09 17:22 CST		0	Thunderstorm Wind (EG 52 kt)
	06/23/09 17:22 CST		0	Source: Trained Spotter

Thunderstorm wind gusts estimated at 60 mph knocked down 4 to 6 inch in diameter tree limbs.

Thunderstorms that developed in western Nebraska during the late evening of June 22nd moved into western Iowa around noon on the 23rd. The storms created an outflow boundary which collided with very unstable conditions, temperatures of 90 to 95 degrees and dew point temperatures in the upper 70s. This caused new thunderstorm development along and east of the Missouri River north of Omaha by mid afternoon. The storms were mainly wet micro-burst producers although some hail was reported.

### MILLS COUNTY --- HASTINGS [41.02, -95.52]

	06/24/09 14:22 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/09 14:22 CST		0	Source: Public

Thunderstorm wind gusts estimated at around 60 mph were accompanied by very heavy rain, although no rain amount was given.

### MONTGOMERY COUNTY --- 0.9 SE RED OAK [41.01, -95.22]

	06/24/09 14:45 CST		0	Thunderstorm Wind (MG 56 kt)
	06/24/09 14:45 CST		0	Source: AWOS

A thunderstorm wind gust of 64 mph was measured by the Awos at Red Oak.

### MONTGOMERY COUNTY --- STANTON [40.98, -95.12]

	06/24/09 15:10 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/09 15:10 CST		0	Source: Trained Spotter

Thunderstorms winds were estimated to have reached at least 60 mph by a trained spotter. The winds knocked some rotted trees down and were accompanied by pea-size hail.

A weak cold front, possibly reinforced by thunderstorms that occurred either earlier in the afternoon or during the previous evening, caused a few severe thunderstorms to develop from southwest Iowa into southeast Nebraska. Due to hot and humid conditions present over the region, the thunderstorms were mainly the wet micro-burst variety although some hail was reported.

## NEBRASKA, East

### RICHARDSON COUNTY --- VERDON [40.15, -95.70]

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/01/09 15:20 CST		0	Hail (1.00 in)
	06/01/09 15:24 CST		0	Source: Trained Spotter

One inch hail fell for several minutes in the Verdon area.

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### PAWNEE COUNTY --- STEINAUER [40.22, -96.23]

	06/01/09 16:04 CST		0	Hail (1.00 in)
	06/01/09 16:04 CST		0	Source: Trained Spotter

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### JOHNSON COUNTY --- 3.8 W ELK CREEK [40.27, -96.20]

	06/01/09 16:19 CST		0	Hail (1.00 in)
	06/01/09 16:19 CST		0	Source: Public

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### JEFFERSON COUNTY --- 3.0 SW FAIRBURY [40.12, -97.21]

	06/01/09 16:26 CST		0	Hail (0.75 in)
	06/01/09 16:26 CST		0	Source: Emergency Manager

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### JEFFERSON COUNTY --- JANSEN [40.18, -97.08]

	06/01/09 16:44 CST		0	Hail (1.00 in)
	06/01/09 16:44 CST		0	Source: Trained Spotter

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### GAGE COUNTY --- 3.2 ENE (BIE)BEATRICE ARPT [40.31, -96.69]

	06/01/09 16:46 CST		0	Hail (0.75 in)
	06/01/09 16:46 CST		0	Source: Emergency Manager

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### JEFFERSON COUNTY --- PLYMOUTH [40.30, -96.98]

	06/01/09 17:00 CST		0	Thunderstorm Wind (MG 51 kt)
	06/01/09 17:00 CST		0	Source: COOP Observer

The cooperative observer near Plymouth measured a thunderstorm wind gust of 59 mph. The winds were accompanied by hail up to 1 inch in diameter.

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### JEFFERSON COUNTY --- PLYMOUTH [40.30, -96.98]

	06/01/09 17:05 CST		0	Hail (1.00 in)
	06/01/09 17:05 CST		0	Source: Emergency Manager

The hail was accompanied by thunderstorm wind gusts measured at almost 60 mph.

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### SALINE COUNTY --- DE WITT [40.40, -96.92]

	06/01/09 17:15 CST		0	Hail (1.00 in)
	06/01/09 17:20 CST		0	Source: Emergency Manager

Hail 1 inch in diameter fell for several minutes in the De Witt area. The hail was accompanied by 1.25 inches of rain in 40 minutes.

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### SALINE COUNTY --- WILBER [40.48, -96.95]

	06/01/09 17:30 CST		0	Hail (1.00 in)
	06/01/09 17:30 CST		0	Source: Trained Spotter

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### RICHARDSON COUNTY --- 8.0 S HUMBOLDT [40.05, -95.93], 7.3 S HUMBOLDT [40.06, -95.95]

	06/01/09 19:00 CST		0	Heavy Rain
	06/01/09 22:20 CST		0	Source: Law Enforcement

Heavy rain was reported across sections of Richardson county during the evening of June 1 with a little over 6 inches reported 6 miles south of Humboldt. Law enforcement reported the rain caused minimal flooding or damage but 1 to 2 inches of water covered Highway 8 near mile marker 129, about 1/2 mile east of the Junction of Highways 105 and 8 for a while.

**A warm front that moved across eastern Nebraska during the afternoon and evening of May 31st was followed by a slow-moving cold front the next day. The cold front caused a few severe thunderstorms to develop over southeast Nebraska, a few of which also produced very heavy rainfall. Three to as much as six inches of rain was reported near the Kansas border from south of Beatrice to near Falls City.**

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### SALINE COUNTY --- 0.5 W TOBIAS [40.42, -97.34]

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/06/09 00:25 CST		0	Hail (1.00 in)
	06/06/09 00:25 CST		0	Source: Emergency Manager

A prolonged period of hail entered Saline county near Tobias and proceeded through Swanton and De Witt where it caused considerable crop damage . The hail covered the ground white and was a large as quarter-size in the Tobias area.

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### SALINE COUNTY --- 0.7 W SWANTON [40.38, -97.09], 0.5 SSW DE WITT [40.39, -96.92]

	06/06/09 01:00 CST		0	Hail (1.25 in)
	06/06/09 01:30 CST		1.50M	Source: Emergency Manager

Quarter to half dollar-size hail was widespread from near Swanton to De Witt. This hail storm caused significant crop damage in Saline county, especially across the southern part. Emergency management estimated crop damages to corn, soybeans and winter wheat would run over a million dollars. The damage was most significant along a 5 mile wide swath from around Tobias to Swanton to De Witt where the ground was covered white with hail .

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### SALINE COUNTY --- 5.0 SW WILBER [40.43, -97.02]

	06/06/09 01:10 CST		0	Hail (0.88 in)
	06/06/09 01:25 CST		0	Source: Emergency Manager

Hail up to nickel size fell for at least 15 minutes in the area.

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### SEWARD COUNTY --- 4.0 S GOEHNER [40.77, -97.22]

	06/06/09 01:36 CST		0	Hail (0.75 in)
	06/06/09 01:36 CST		0	Source: Trained Spotter

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### GAGE COUNTY --- 5.5 NNW HOAG [40.39, -96.88], PICKRELL [40.38, -96.72]

	06/06/09 01:39 CST		0	Hail (1.00 in)
	06/06/09 01:39 CST		90K	Source: Fire Department/Rescue

Hail at least up to quarter-size fell across the northern part of Gage county near the Pickrell area. The hail caused considerable crop damage in northern Gage county and was a continuation of the storm that caused over a million dollars of crop damage in Saline county. In Gage county crop damage alone was estimated at \$90,000.

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### SEWARD COUNTY --- 4.0 NW BEAVER CROSSING [40.82, -97.32]

	06/06/09 01:52 CST		0	Thunderstorm Wind (MG 50 kt)
	06/06/09 01:52 CST		0	Source: Trained Spotter

Home weather equipment of a trained weather spotter measured thunderstorm wind gusts at 58 mph.

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### JOHNSON COUNTY --- STERLING [40.47, -96.37]

	06/06/09 02:08 CST		0	Hail (1.00 in)
	06/06/09 02:08 CST		0	Source: Trained Spotter

Quarter-size hail covered the ground.

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### JOHNSON COUNTY --- 2.0 S COOK [40.49, -96.17], COOK [40.52, -96.17]

	06/06/09 02:22 CST		0	Hail (1.25 in)
	06/06/09 02:25 CST		0	Source: Fire Department/Rescue

Quarter to half dollar-size hail was reported in the Cook area.

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### NEMAHA COUNTY --- JOHNSON [40.42, -96.00]

	06/06/09 02:40 CST		0	Hail (1.75 in)
	06/06/09 02:40 CST		0	Source: Emergency Manager

Golf ball-size hail was reported in Johnson by emergency management.

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### NEMAHA COUNTY --- AUBURN [40.40, -95.83]

	06/06/09 02:48 CST		0	Hail (1.00 in)
	06/06/09 02:48 CST		0	Source: Trained Spotter

A cold front moved into southeast Nebraska and stalled during the early morning hours of June 6th. Thunderstorms developed along the front in central and western Nebraska during the evening of the 5th and moved into eastern Nebraska early on the 6th. The storms produced large hail and a few produced strong winds. One storm that tracked across Saline county produced a prolonged period of hail

## Storm Data and Unusual Weather Phenomena - June 2009

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that was up to half dollar-size which caused significant crop damage, estimated by emergency management to be over a million dollars. The worst damage from that particular storm was along a 5 mile swath that stretched from Filmore county, across Saline county and then into extreme northern Gage county with an estimated 70,000 acres affected. Although the corn crop had the most visible damage, the soybean and winter wheat crop suffered significant damage.

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**JEFFERSON COUNTY --- FAIRBURY [40.15, -97.17]**

	06/06/09 21:43 CST	0		Hail (1.00 in)
	06/06/09 21:43 CST	0		Source: Law Enforcement

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**JEFFERSON COUNTY --- HARBINE [40.20, -96.97]**

	06/06/09 21:53 CST	0		Hail (0.75 in)
	06/06/09 21:53 CST	0		Source: Fire Department/Rescue

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**JEFFERSON COUNTY --- DILLER [40.10, -96.93]**

	06/06/09 21:56 CST	0		Hail (0.88 in)
	06/06/09 21:56 CST	0		Source: Emergency Manager

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**JEFFERSON COUNTY --- 3.2 SSE REYNOLDS [40.03, -97.30]**

	06/06/09 22:11 CST	0		Hail (1.75 in)
	06/06/09 22:11 CST	0		Source: Emergency Manager

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**JEFFERSON COUNTY --- 2.6 SW FAIRBURY [40.12, -97.20], 5.0 W FAIRBURY [40.15, -97.26]**

	06/06/09 22:23 CST	0		Hail (1.25 in)
	06/06/09 22:33 CST	0		Source: Emergency Manager

Hail up to half dollar-size was reported from 5 miles west of Fairbury to around 2 miles southwest of town.

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**PAWNEE COUNTY --- 1.0 W PAWNEE CITY [40.12, -96.17], PAWNEE CITY [40.12, -96.15]**

	06/06/09 22:40 CST	0		Hail (2.00 in)
	06/06/09 22:50 CST	0		Source: Newspaper

Hail just under baseball-size fell from just west of Pawnee City into town. The hail fell for 5 to 10 minutes before it started raining as it gradually shrunk to golf ball-size and smaller. The hail damaged some crops, vehicles and homes in the area.

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**JEFFERSON COUNTY --- 4.0 S PLYMOUTH [40.24, -96.98], PLYMOUTH [40.30, -96.98]**

	06/06/09 22:42 CST	0		Hail (1.75 in)
	06/06/09 22:57 CST	0		Source: Emergency Manager

Hail up to golf ball-size fell from around 4 miles south of Plymouth into Plymouth.

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**NEMAHA COUNTY --- 5.0 N AUBURN [40.47, -95.83]**

	06/06/09 23:13 CST	0		Hail (1.00 in)
	06/06/09 23:13 CST	0		Source: NWS Employee

Reported from an off-duty NWS employee.

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**SALINE COUNTY --- 1.0 SSW WESTERN [40.39, -97.21], 1.0 E WESTERN [40.40, -97.18]**

	06/06/09 23:13 CST	0		Hail (1.00 in)
	06/06/09 23:18 CST	0		Source: Trained Spotter

Quarter-size hail was reported from around 1 mile southwest of Western to around 1 mile east of town.

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**SALINE COUNTY --- 2.1 NW SWANTON [40.40, -97.11]**

	06/06/09 23:21 CST	0		Hail (0.88 in)
	06/06/09 23:21 CST	0		Source: Emergency Manager

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**SEWARD COUNTY --- 5.9 SSW PLEASANT DALE [40.70, -96.96]**

	06/06/09 23:48 CST	0		Hail (0.75 in)
	06/06/09 23:48 CST	0		Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LANCASTER COUNTY --- 2.2 ESE EMERALD [40.81, -96.78], 1.9 WSW ARROW ARPT [40.86, -96.68]</b>				
	06/07/09 00:05 CST	0		Hail (1.00 in)
	06/07/09 00:12 CST	0		Source: Trained Spotter
Quarter-size hail fell in the western and northwestern sections of Lincoln, from around the Cushman area through 27th and Superior Streets.				
<b>LANCASTER COUNTY --- 0.9 NW DENTON [40.74, -96.84]</b>				
	06/07/09 00:23 CST	0		Hail (1.00 in)
	06/07/09 00:23 CST	0		Source: Emergency Manager
Quarter-size hail was reported near Denton.				
<b>NEMAHA COUNTY --- PERU [40.48, -95.73]</b>				
	06/07/09 00:51 CST	0		Hail (1.00 in)
	06/07/09 00:51 CST	0		Source: Trained Spotter
<b>OTOE COUNTY --- NEBRASKA CITY ARPT [40.67, -95.87]</b>				
	06/07/09 01:17 CST	0		Hail (0.75 in)
	06/07/09 01:17 CST	0		Source: Law Enforcement
<p><b>A cold front which moved into southeast Nebraska during the morning of June 6th stalled from southeast Nebraska into central Kansas during the afternoon and evening of that day. Temperatures by late afternoon climbed into the upper 80s and lower 90s south of the front while readings northwest of the front were in the 50s and 60s. Thunderstorms developed near the boundary over Kansas early in the evening, and developed or spread into southeast Nebraska during the mid evening hours. The storms produced mainly large hail.</b></p>				
<b>MADISON COUNTY --- 0.5 NE STEFAN MEML ARPT [41.98, -97.44], NORFOLK [42.03, -97.42]</b>				
	06/07/09 09:35 CST	0		Hail (1.00 in)
	06/07/09 09:43 CST	0		Source: Law Enforcement
Hail up to quarter-size covered the ground from around the Norfolk airport through town.				
<b>WAYNE COUNTY --- 6.0 S WAYNE [42.14, -97.02]</b>				
	06/07/09 10:19 CST	0		Hail (1.75 in)
	06/07/09 10:19 CST	0		Source: Trained Spotter
<b>CEDAR COUNTY --- WYNOT [42.75, -97.17]</b>				
	06/07/09 13:58 CST	0		Hail (0.75 in)
	06/07/09 13:58 CST	0		Source: Public
<b>CUMING COUNTY --- 8.3 WNW BANCROFT [42.08, -96.71]</b>				
	06/07/09 13:59 CST	0		Hail (0.75 in)
	06/07/09 13:59 CST	0		Source: Public
<b>ANTELOPE COUNTY --- 7.0 NW ROYAL [42.40, -98.23]</b>				
	06/07/09 15:00 CST	0		Hail (0.88 in)
	06/07/09 15:00 CST	0		Source: Public
<b>GAGE COUNTY --- LIBERTY [40.08, -96.48]</b>				
	06/07/09 15:30 CST	0		Hail (1.00 in)
	06/07/09 15:30 CST	0		Source: Public
<b>PAWNEE COUNTY --- 3.0 S BURCHARD RINNE ARPT [40.09, -96.35]</b>				
	06/07/09 15:54 CST	0		Hail (1.50 in)
	06/07/09 15:54 CST	0		Source: NWS Employee
<b>PAWNEE COUNTY --- 11.0 W PAWNEE CITY [40.12, -96.36]</b>				
	06/07/09 16:00 CST	0		Hail (1.50 in)
	06/07/09 16:00 CST	0		Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>PAWNEE COUNTY --- 4.2 N TABLE ROCK [40.24, -96.09]</b>				
	06/07/09 16:45 CST		0	Hail (1.00 in)
	06/07/09 16:45 CST		0	Source: COOP Observer
<b>RICHARDSON COUNTY --- 4.9 N HUMBOLDT [40.24, -95.94]</b>				
	06/07/09 17:05 CST		0	Hail (1.00 in)
	06/07/09 17:05 CST		0	Source: Public
<b>RICHARDSON COUNTY --- 3.0 SE STELLA [40.20, -95.73]</b>				
	06/07/09 17:06 CST		0	Hail (0.75 in)
	06/07/09 17:06 CST		0	Source: Trained Spotter
<b>RICHARDSON COUNTY --- 4.0 W RULO [40.05, -95.51], 0.7 NNE RULO [40.06, -95.42]</b>				
	06/07/09 17:16 CST		0	Hail (1.75 in)
	06/07/09 17:19 CST		0	Source: Trained Spotter
Hail up to golf ball-size covered the ground from around 4 miles west of Rulo through Rulo and just northeast of town.				
<b>RICHARDSON COUNTY --- 2.2 WNW SHUBERT [40.24, -95.72]</b>				
	06/07/09 17:40 CST		0	Hail (1.00 in)
	06/07/09 17:40 CST		0	Source: Public
A public report of quarter-size hail was relayed to the NWS by local media.				
<b>RICHARDSON COUNTY --- HUMBOLDT [40.17, -95.93]</b>				
	06/07/09 21:25 CST		0	Hail (1.00 in)
	06/07/09 21:25 CST		0	Source: Trained Spotter
<b>RICHARDSON COUNTY --- 2.1 S FALLS CITY [40.04, -95.60]</b>				
	06/07/09 21:34 CST		0	Hail (0.75 in)
	06/07/09 21:39 CST		0	Source: Trained Spotter
The hail lasted for around 5 minutes.				
<b>RICHARDSON COUNTY --- 6.0 SE FALLS CITY [40.01, -95.52]</b>				
	06/07/09 21:50 CST		0	Hail (1.00 in)
	06/07/09 21:50 CST		0	Source: Trained Spotter
<b>JEFFERSON COUNTY --- 1.0 N FAIRBURY [40.16, -97.17], 11.0 N FAIRBURY [40.31, -97.17]</b>				
	06/07/09 22:24 CST		0	Hail (1.25 in)
	06/07/09 22:30 CST		0	Source: Trained Spotter
Hail up to half dollar-size was reported from the north part of Fairbury to 11 miles north of town.				
<b>JEFFERSON COUNTY --- 1.6 E PLYMOUTH [40.30, -96.95], 0.6 NW PLYMOUTH [40.31, -96.99]</b>				
	06/07/09 22:28 CST		0	Thunderstorm Wind (MG 53 kt)
	06/07/09 22:31 CST		0	Source: Trained Spotter
Thunderstorm wind gusts measured by home weather equipment at 61 mph in the Plymouth area caused a tree to fall down onto a house.				
<b>CASS COUNTY --- 0.5 W LOUISVILLE [41.00, -96.16]</b>				
	06/07/09 22:45 CST		0	Hail (1.00 in)
	06/07/09 22:45 CST		0	Source: NWS Employee
The hail dented at least one car in the area. The hail could have been larger according to the person who reported it the next day.				
<b>SALINE COUNTY --- 1.4 S DE WITT [40.38, -96.92]</b>				
	06/07/09 22:45 CST		0	Hail (1.00 in)
	06/07/09 22:45 CST		0	Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2009

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Quarter-size hail was observed a little south of De Witt. An unsubstantiated report of 2.5 inch hail was also received in the area.

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**GAGE COUNTY --- CLATONIA [40.47, -96.83]**

	06/07/09 22:55 CST	0	Hail (0.75 in)
	06/07/09 22:55 CST	0	Source: Law Enforcement

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**JEFFERSON COUNTY --- 2.0 E PLYMOUTH [40.30, -96.94]**

	06/07/09 22:56 CST	0	Hail (1.00 in)
	06/07/09 22:56 CST	0	Source: Trained Spotter

From the storm that also produced wind damage in the Plymouth area.

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**GAGE COUNTY --- 2.0 E ADAMS [40.47, -96.46], 0.9 SSW ADAMS [40.46, -96.51]**

	06/07/09 23:10 CST	0	Hail (1.25 in)
	06/07/09 23:15 CST	0	Source: Trained Spotter

Hail up to half dollar-size was accompanied by thunderstorm winds that also downed a few trees. The wind driven hail damaged numerous homes and cars in and around Adams and also caused crop damage in the area. One local insurance agent had already received 50 agriculture/crop claims and 150 house and auto claims by Monday morning June 8th, with "many, many, many claims against roof, siding and paint damage" to come he stated.

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**GAGE COUNTY --- ADAMS [40.47, -96.50]**

	06/07/09 23:10 CST	0	Thunderstorm Wind (EG 55 kt)
	06/07/09 23:10 CST	0	Source: Trained Spotter

Thunderstorm wind gusts estimated at over 60 mph downed a few trees in the area. The winds were accompanied by half dollar-size hail.

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**JOHNSON COUNTY --- 4.0 W STERLING [40.47, -96.45], STERLING [40.47, -96.37]**

	06/07/09 23:15 CST	0	Hail (1.00 in)
	06/07/09 23:20 CST	0	Source: Newspaper

Hail up to quarter-size was driven by strong winds causing substantial damage from around Adams in Gage county to near Sterling in Johnson county. The damage near Sterling was not as severe as around the Adams area, but there was still some home, auto and crop damage noted.

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**OTOE COUNTY --- 2.2 ENE BURR [40.54, -96.26]**

	06/07/09 23:35 CST	0	Hail (0.88 in)
	06/07/09 23:35 CST	0	Source: Trained Spotter

A stalled front extending from extreme southeast Nebraska into central Kansas, and an upper level low pressure trough to the west, brought scattered severe thunderstorms to eastern Nebraska during much of Sunday June 7th into the very early morning hours of June 8th. Temperatures climbed into the lower 80s in far southeast Nebraska and southwest Iowa on the 7th, while readings remained in the 50s in northeast Nebraska. Elevated storms, a few of which dropped large hail, moved across northeast Nebraska from late morning through the afternoon hours of the 7th. By late afternoon of that day several supercell thunderstorms developed along the stalled front. These storms shifted out of the region by early evening but additional thunderstorms that developed near the boundary in Kansas moved back into southeast Nebraska later that evening into the early overnight hours. Although the environment was favorable for tornadoes this evening, in Nebraska the storms produced large hail and a few strong wind reports.

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**RICHARDSON COUNTY --- 0.7 N FALLS CITY [40.08, -95.60], 1.2 NW FALLS CITY [40.08, -95.62], 2.3 ESE STRAUSSVILLE [40.11, -95.61], 2.3 NNW (FNB)BRENER FLD FALL [40.11, -95.60]**

	06/15/09 21:15 CST	0	Flash Flood (due to Heavy Rain)
	06/15/09 22:15 CST	0	Source: Law Enforcement

Heavy rain, for the second night in a row, caused flash flooding along Big Muddy Creek north of Falls City. The flooding closed Highway 73 for an hour or so. Damage along Highway 73 was minimal.

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**SEWARD COUNTY --- 1.0 S GOEHNER [40.82, -97.22]**

	06/15/09 21:15 CST	0	Hail (0.88 in)
	06/15/09 21:15 CST	0	Source: NWS Employee

Nickel-size hail was reported along Interstate 80.

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**RICHARDSON COUNTY --- 0.8 N SALEM [40.09, -95.72], 1.1 E SALEM [40.08, -95.70], 0.8 SSE SALEM [40.07, -95.71], 1.1 SW SALEM [40.07, -95.74]**

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/15/09 21:30 CST		10K	Flash Flood (due to Heavy Rain)
	06/15/09 23:30 CST		0	Source: COOP Observer

Heavy rain for the second night in a row caused flash flooding along Rock Creek and another unnamed creek near Salem. The flooding crossed several county roads causing some gravel washout and culvert damage.

### SEWARD COUNTY --- 1.0 NNE TAMORA [40.89, -97.21]

06/15/09 21:36 CST	0	Hail (1.25 in)
06/15/09 21:42 CST	0	Source: Trained Spotter

Hail up to half dollar-size fell for a little over 5 minutes near Tamora.

**Thunderstorms developed along and north of a warm front that extended across northern Kansas during the mid evening hours of June 15th. The storms produced very heavy rain, and some locations picked up 2 inches or so in an hour or two, which produced localized flash flooding. An isolated storm also produce large hail in Seward county.**

### JEFFERSON COUNTY --- 1.0 N REYNOLDS [40.08, -97.33], 3.0 S REYNOLDS [40.03, -97.33]

06/17/09 11:30 CST	0	Hail (1.00 in)
06/17/09 12:05 CST	0	Source: Emergency Manager

The first round of hail from a multi-updraft supercell thunderstorm that moved across the area this afternoon. The hail caused some crop damage in the area.

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

06/17/09 12:13 CST	0	Hail (1.25 in)
06/17/09 12:13 CST	0	Source: Emergency Manager

The first round of hail from a multi-updraft supercell thunderstorm that moved across the area this afternoon.

### JEFFERSON COUNTY --- 2.0 SE FAIRBURY [40.13, -97.14], 5.0 SE FAIRBURY [40.10, -97.10]

06/17/09 12:33 CST	0	Hail (1.75 in)
06/17/09 12:41 CST	0	Source: Emergency Manager

Hail up to golf ball-size was reported southeast of Fairbury. This was from the second round of hail from a multi-updraft supercell thunderstorm that moved across the area this afternoon.

### JEFFERSON COUNTY --- REYNOLDS [40.07, -97.33], 5.0 NE REYNOLDS [40.12, -97.26]

06/17/09 12:36 CST	0	Hail (2.75 in)
06/17/09 12:44 CST	0	Source: Trained Spotter

From a multi-updraft supercell thunderstorm that moved across the area this afternoon. The hail was up to baseball-size and caused damage to automobiles in the area.

### JEFFERSON COUNTY --- 5.0 SW FAIRBURY [40.10, -97.24], FAIRBURY [40.15, -97.17]

06/17/09 12:46 CST	0	Hail (3.00 in)
06/17/09 12:56 CST	0	Source: Emergency Manager

Hail between 1 inch and 3 inches in diameter fell from around 5 miles southwest of Fairbury into Fairbury. The hail fell from a multi-updraft supercell thunderstorm that moved across the area this afternoon and caused house and automobile damage.

### JEFFERSON COUNTY --- 0.9 NW DILLER [40.11, -96.94]

06/17/09 12:49 CST	0	Hail (0.75 in)
06/17/09 12:49 CST	0	Source: Emergency Manager

### GAGE COUNTY --- 0.7 N ODELL [40.06, -96.80]

06/17/09 13:05 CST	0	Hail (0.75 in)
06/17/09 13:05 CST	0	Source: Law Enforcement

### JEFFERSON COUNTY --- 0.9 NW DILLER [40.11, -96.94]

06/17/09 13:09 CST	0	Hail (1.75 in)
06/17/09 13:09 CST	0	Source: Emergency Manager

From a multi-updraft supercell thunderstorm that moved across the area this afternoon.

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>GAGE COUNTY --- 2.8 S ODELL [40.01, -96.80], 2.4 S ODELL [40.02, -96.80]</b>				
	06/17/09 13:18 CST		0	Tornado (EF0, L: 0.46 mi , W: 25 yd)
	06/17/09 13:20 CST		0	Source: Emergency Manager
A brief tornado touchdown was observed south of Odell and caused no apparent damage . The tornado, or funnel before it touched down, had two vorticies for a while.				
<b>GAGE COUNTY --- 1.2 WNW ODELL [40.06, -96.82], 2.0 SE ODELL [40.03, -96.77]</b>				
	06/17/09 13:22 CST		0	Hail (3.50 in)
	06/17/09 13:37 CST		0	Source: Law Enforcement
Hail up to baseball-size and even a few maybe up to softball-size fell from west of Odell across the south part of town and then to 2 miles south of town. The hail caused house and automobile damage in and around town. Some crop and tree damage was also reported. The hail was driven by winds that were estimated to be at least 50 mph.				
<b>PAWNEE COUNTY --- 3.0 SSE BOOKWATER [40.03, -96.35]</b>				
	06/17/09 14:23 CST		0	Hail (2.00 in)
	06/17/09 14:23 CST		0	Source: Public
<b>RICHARDSON COUNTY --- FALLS CITY [40.07, -95.60], 3.0 SSW FALLS CITY [40.03, -95.62]</b>				
	06/17/09 15:18 CST		0	Hail (1.75 in)
	06/17/09 15:32 CST		0	Source: Public
Hail up to golf ball-size was reported from southwest of Falls City into town. Many vehicles in town sustained hail damage, some substantially, along with roofs and sidings of homes. The hail was from a multi-updraft supercell thunderstorm that moved across the area that afternoon.				
<b>PLATTE COUNTY --- 0.9 NE PLATTE CENTER [41.54, -97.49]</b>				
	06/17/09 16:39 CST		0	Hail (0.75 in)
	06/17/09 16:39 CST		0	Source: Emergency Manager
<b>COLFAX COUNTY --- 6.4 NNW RICHLAND [41.52, -97.25]</b>				
	06/17/09 17:10 CST		0	Hail (1.75 in)
	06/17/09 17:10 CST		0	Source: Public
The ground was covered in hail up to golf ball-size.				
<b>COLFAX COUNTY --- 5.5 N SCHUYLER [41.53, -97.06]</b>				
	06/17/09 17:34 CST		0	Hail (1.75 in)
	06/17/09 17:34 CST		0	Source: Trained Spotter
<b>DODGE COUNTY --- 8.0 NW NORTH BEND [41.55, -96.89], 6.0 N NORTH BEND [41.56, -96.78]</b>				
	06/17/09 17:50 CST		0	Hail (1.00 in)
	06/17/09 18:12 CST		0	Source: Public
Hail up to 1 inch in diameter fell north of North Bend for over 10 minutes.				
<b>ANTELOPE COUNTY --- 5.0 S NELIGH [42.06, -98.03]</b>				
	06/17/09 19:56 CST		0	Hail (1.75 in)
	06/17/09 19:56 CST		0	Source: Emergency Manager
<b>KNOX COUNTY --- 8.0 E CREIGHTON ARPT [42.47, -97.69]</b>				
	06/17/09 19:56 CST		0	Hail (1.00 in)
	06/17/09 19:56 CST		0	Source: Trained Spotter
<b>ANTELOPE COUNTY --- OAKDALE [42.07, -97.97]</b>				
	06/17/09 20:00 CST		0	Hail (1.00 in)
	06/17/09 20:00 CST		0	Source: Trained Spotter
<b>KNOX COUNTY --- 4.9 N WAUSA [42.57, -97.54]</b>				

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/17/09 20:05 CST		0	Hail (1.75 in)
	06/17/09 20:05 CST		0	Source: Storm Chaser
<hr/>				
<b>MADISON COUNTY --- 2.1 SW MEADOW GROVE [42.01, -97.76]</b>				
	06/17/09 20:20 CST		0	Hail (0.88 in)
	06/17/09 20:20 CST		0	Source: Trained Spotter
<hr/>				
<b>MADISON COUNTY --- 1.0 W BATTLE CREEK [42.00, -97.62], NORFOLK [42.03, -97.42]</b>				
	06/17/09 20:35 CST		0	Thunderstorm Wind (EG 50 kt)
	06/17/09 20:50 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at nearly 60 mph caused scattered tree damage from west of Battle Creek into the Norfolk area. The winds were accompanied by hail up to half dollar-size.				
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<b>MADISON COUNTY --- 6.2 N BATTLE CREEK [42.09, -97.60], 3.0 NE BATTLE CREEK [42.03, -97.56]</b>				
	06/17/09 20:35 CST		0	Hail (1.25 in)
	06/17/09 20:45 CST		0	Source: Trained Spotter
Hail up to half dollar-size fell north of Battle Creek.				
<hr/>				
<b>MADISON COUNTY --- NORFOLK [42.03, -97.42]</b>				
	06/17/09 20:53 CST		0	Hail (1.25 in)
	06/17/09 20:58 CST		0	Source: NWS Employee
Hail up to half dollar-size fell in the Norfolk area for at least 5 minutes.				
<hr/>				
<b>STANTON COUNTY --- 1.5 E STANTON [41.95, -97.20]</b>				
	06/17/09 21:35 CST		0	Hail (2.00 in)
	06/17/09 21:35 CST		0	Source: Trained Spotter
Accompanied by thunderstorm wind gusts of at least 60 mph.				
<hr/>				
<b>STANTON COUNTY --- 2.8 S STANTON [41.91, -97.22]</b>				
	06/17/09 21:35 CST		15K	Thunderstorm Wind (EG 55 kt)
	06/17/09 21:35 CST		0	Source: Emergency Manager
Thunderstorm wind gusts estimated at over 60 mph downed two trees onto a house along Highway 57. The winds were accompanied by hail up to 2 inches in diameter.				
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<b>THURSTON COUNTY --- 3.6 E PENDER [42.11, -96.63]</b>				
	06/17/09 21:58 CST		0	Hail (0.75 in)
	06/17/09 21:58 CST		0	Source: Emergency Manager
Hot and unstable air, characterized by temperatures in the 90s and dew point temperatures in the 70s, stretched from eastern Kansas into south central Nebraska by mid afternoon on June 17th. Northeast of that region, over most of eastern Nebraska, temperatures were also quite warm, in the upper 80s to lower 90s, but dew point temperatures were a bit lower, mostly in the 60s. Supercell thunderstorms developed along this moisture discontinuity near the Kansas border during the early afternoon hours. At least one of these storms produced a tornado. Later in the afternoon and into the evening other storms that developed in central Nebraska on the nose of the warm and unstable air moved across the region producing mainly large hail but also areas of damaging winds.				
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<b>KNOX COUNTY --- VERDEL [42.82, -98.20]</b>				
	06/18/09 03:30 CST		0	Thunderstorm Wind (EG 55 kt)
	06/18/09 03:30 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at over 60 mph knocked down several trees in the Verdel area which damaged a few vehicles.				
<hr/>				
<b>ANTELOPE COUNTY --- 0.9 NE ORCHARD [42.34, -98.24], 3.0 E ORCHARD [42.33, -98.19]</b>				
	06/18/09 03:31 CST		0	Thunderstorm Wind (EG 52 kt)
	06/18/09 03:31 CST		0	Source: Law Enforcement
Thunderstorm wind gusts estimated at 60 mph knocked the power out in Orchard and flipped a center pivot 3 miles east of town.				

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>KNOX COUNTY --- 1.5 W CREIGHTON [42.47, -97.91]</b>				
	06/18/09 03:55 CST		0	Thunderstorm Wind (EG 52 kt)
	06/18/09 03:55 CST		0	Source: Law Enforcement
A thunderstorm wind gust estimated at 60 mph was reported in Creighton.				
<b>KNOX COUNTY --- CREIGHTON [42.47, -97.88]</b>				
	06/18/09 03:55 CST		0	Hail (0.75 in)
	06/18/09 03:55 CST		0	Source: Law Enforcement
The hail was accompanied by thunderstorm wind gusts estimated at 60 mph and 1 inch of rain in 15 minutes.				
<b>KNOX COUNTY --- BLOOMFIELD [42.60, -97.63]</b>				
	06/18/09 04:00 CST		0	Hail (2.50 in)
	06/18/09 04:00 CST		0	Source: COOP Observer
Hail up to baseball-size was reported during the storm which also produced wind gusts estimated at 70 mph.				
<b>KNOX COUNTY --- BLOOMFIELD [42.60, -97.63]</b>				
	06/18/09 04:00 CST		0	Thunderstorm Wind (EG 60 kt)
	06/18/09 04:10 CST		0	Source: COOP Observer
Thunderstorm winds estimated at close to 70 mph caused fairly widespread tree damage in the Bloomfield area. Large trees and branches fell on a few homes and vehicles causing damage and crops and irrigation systems in the region also sustained damage. This storm also produced hail up to baseball-size.				
<b>KNOX COUNTY --- WAUSA [42.50, -97.53]</b>				
	06/18/09 04:00 CST		0	Thunderstorm Wind (EG 56 kt)
	06/18/09 04:10 CST		0	Source: COOP Observer
Thunderstorm winds estimated at 60 to 70 mph caused areas of tree damage in the Wausa area and a transmission pole near the junction of Highways 84 and 121 was knocked down causing the loss of power for about 650 people for a few hours. A few center pivots were also damaged.				
<b>PIERCE COUNTY --- PIERCE [42.20, -97.53]</b>				
	06/18/09 04:13 CST		0	Thunderstorm Wind (EG 52 kt)
	06/18/09 04:13 CST		0	Source: Law Enforcement
Law enforcement reported thunderstorm wind gusts estimated at 60 mph.				
<b>CEDAR COUNTY --- 2.0 W HARTINGTON [42.62, -97.31], 2.0 E HARTINGTON [42.62, -97.23]</b>				
	06/18/09 04:20 CST		0	Thunderstorm Wind (EG 55 kt)
	06/18/09 04:28 CST		0	Source: Law Enforcement
Thunderstorm wind gusts estimated at 60 to 65 mph were reported from 2 miles west through 2 miles east of Hartington. The winds caused a roof to cave in on a house in Hartington and big trees were uprooted with lots of branches and trees down all over town. Some irrigation systems were overturned west of Hartington and a trailer there was tipped over and a shed destroyed. East of town some trees were downed and a fence destroyed.				
<b>CEDAR COUNTY --- 0.5 E HARTINGTON [42.62, -97.26]</b>				
	06/18/09 04:24 CST		0	Hail (1.00 in)
	06/18/09 04:24 CST		0	Source: Law Enforcement
The hail was accompanied by thunderstorm winds estimated at 60 mph.				
<b>CEDAR COUNTY --- ST HELENA [42.82, -97.25]</b>				
	06/18/09 04:30 CST		0	Thunderstorm Wind (EG 52 kt)
	06/18/09 04:30 CST		0	Source: Public
Thunderstorm wind gusts estimated at 60 mph downed large tree branches in town.				
<b>WAYNE COUNTY --- 0.7 N WAYNE [42.24, -97.02]</b>				

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/18/09 04:52 CST		0	Hail (0.75 in)
	06/18/09 04:52 CST		0	Source: Law Enforcement

A line of thunderstorms which developed in north central Nebraska during the late evening of the 17th tracked across northeast Nebraska during the early morning hours of the 18th. The storms bowed out across Knox and Cedar counties producing damaging winds and large hail.

### BUTLER COUNTY --- RISING CITY [41.20, -97.30]

06/19/09 01:20 CST	0	Thunderstorm Wind (EG 65 kt)
06/19/09 01:25 CST	0	Source: Trained Spotter

Thunderstorm wind gusts estimated at over 70 mph knocked a very large tree onto a garage destroying half of it. Other tree damage was noted in town.

### BUTLER COUNTY --- 1.4 S BONGERS ARPT [41.21, -97.13], 0.3 N DAVID CITY [41.25, -97.13]

06/19/09 01:25 CST	0	Thunderstorm Wind (MG 68 kt)
06/19/09 01:30 CST	0	Source: Department of Highways

A Nebraska Department of Roads sensor 3 miles south of David City measured a thunderstorm wind gust of 78 mph. The strong winds caused scattered tree, fence and house damage in the David City area and surrounding communities.

### SAUNDERS COUNTY --- WAHOO [41.22, -96.62]

06/19/09 01:42 CST	0	Thunderstorm Wind (MG 50 kt)
06/19/09 01:42 CST	0	Source: Broadcast Media

Local media weather equipment measured a thunderstorm wind gust of 58 mph in the Wahoo area. The winds knocked down a few tree limbs in town but overall the damage was "nothing major" according to the county Emergency Manager.

### BUTLER COUNTY --- 3.0 SE BRAINARD [41.15, -96.96]

06/19/09 01:45 CST	0	Thunderstorm Wind (EG 65 kt)
06/19/09 01:50 CST	0	Source: Trained Spotter

Thunderstorm wind gusts estimated at over 70 mph downed numerous large trees southeast of Brainard.

### WASHINGTON COUNTY --- 6.0 S BLAIR [41.46, -96.15]

06/19/09 02:40 CST	0	Thunderstorm Wind (MG 50 kt)
06/19/09 02:40 CST	0	Source: Mesonet

A local mesonet observation near the Washington county/Douglas county line south of Blair measured a thunderstorm wind gust of 58 mph.

A cluster of thunderstorms that developed west of the region moved into eastern Nebraska and western Iowa during the early morning hours of June 19th. A fairly strong cap was overcome, aided by a low level jet and an upper level disturbance which provided some cooling aloft. The strongest storms occurred in Butler county Nebraska as a cluster bowed out producing scattered wind damage. Although the thunderstorms weakened somewhat, the storms continued to produce occasional wind damage as they progressed into western Iowa.

### SEWARD COUNTY --- 5.0 SSE SEWARD [40.83, -97.06]

06/22/09 06:15 CST	0	Hail (2.25 in)
06/22/09 06:15 CST	0	Source: Trained Spotter

Hail up 2.25 inches in diameter dented cars south of Seward.

### SEWARD COUNTY --- 3.0 NE MILFORD [40.80, -97.01]

06/22/09 06:18 CST	0	Thunderstorm Wind (MG 59 kt)
06/22/09 06:18 CST	0	Source: Department of Highways

A Department of Roads sensor on Interstate 80 north of Milford measured a thunderstorm wind gust of 68 mph.

### SEWARD COUNTY --- 3.0 NW PLEASANT DALE [40.81, -96.96]

06/22/09 06:27 CST	0	Hail (1.75 in)
06/22/09 06:27 CST	0	Source: Trained Spotter

Hail up to golf ball-size was reported near Pleasant Dale.

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LANCASTER COUNTY --- 3.7 W EMERALD [40.82, -96.89]</b>				
	06/22/09 06:31 CST	0		Hail (1.25 in)
	06/22/09 06:31 CST	0		Source: Trained Spotter
<b>LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]</b>				
	06/22/09 06:41 CST	0		Hail (1.00 in)
	06/22/09 06:41 CST	0		Source: Trained Spotter
Hail up to 1 inch in diameter was reported on the west side of Lincoln.				
<b>LANCASTER COUNTY --- 2.9 NNW CHENEYS [40.77, -96.61]</b>				
	06/22/09 06:45 CST	0		Thunderstorm Wind (EG 50 kt)
	06/22/09 06:45 CST	0		Source: Broadcast Media
Thunderstorm wind gusts estimated at close to 60 mph toppled a tree onto Pioneers Blvd. near 79th Street in Lincoln temporarily blocking the westbound lane.				
<b>CASS COUNTY --- 1.0 SW ELMWOOD [40.82, -96.29]</b>				
	06/22/09 07:25 CST	0		Hail (1.00 in)
	06/22/09 07:25 CST	0		Source: Public
Mostly dime-size and smaller, but a few stones reached quarter-size. The hail was accompanied by winds of 35 to 45 mph.				
<p>The south end of a small cluster of thunderstorms that moved out of central Nebraska turned severe a little after sunrise in southeast Nebraska. An isolated storm produced large hail and gusty winds as it tracked from York county Nebraska east into Cass county. The storm turned severe as it encountered unstable conditions in southeast Nebraska which was located on the northeast nose of warm mid level temperatures.</p>				
<b>(NE-Z044) DODGE, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY, (NE-Z065) SEWARD, (NE-Z066) LANCASTER, (NE-Z067) CASS, (NE-Z068) OTOE, (NE-Z078) SALINE, (NE-Z088) JEFFERSON, (NE-Z089) GAGE, (NE-Z090) JOHNSON, (NE-Z091) NEMAHA, (NE-Z092) PAWNEE, (NE-Z093) RICHARDSON</b>				
	06/22/09 13:00 CST	0		Excessive Heat
	06/23/09 17:00 CST	0		
<p>A period of hot and very humid conditions was observed over eastern Nebraska and southwest Iowa on June 22nd and 23rd. High temperatures on the 22nd were in the lower to mid 90s and in the mid to upper 90s on the 23rd. Overnight lows on the 23rd were in the mid to upper 70s. Dew point temperatures on the 23rd were in the mid 70s to lower 80s. The combination of the heat and humidity brought heat index values up into the 108 to 118 degree range during the afternoon of the 23rd. Since these extremely uncomfortable temperatures occurred with light winds, generally less than 10 mph, conditions became deadly for livestock, especially during the afternoon of the 23rd. It was estimated that at least 2,000 head of cattle died because of the heat in eastern Nebraska and western Iowa, most of them on the 23rd. Conditions improved a bit during the late afternoon and early evening of the 23rd when isolated thunderstorms and associated outflow brought a little cooler temperatures and increased winds.</p>				
<b>DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01], 1.4 ESE MAY [41.19, -95.97]</b>				
	06/23/09 16:10 CST	0		Thunderstorm Wind (EG 55 kt)
	06/23/09 16:20 CST	0		Source: Newspaper
A micro-burst thunderstorm produced wind gusts estimated at over 60 mph. The winds knocked down trees and power lines in the southeast part of Omaha. Up to 6800 OPPD customers lost their power from the storm. The Omaha Public Works Department received about 15 reports of tree damage and a similar number of traffic light outages.				
<b>SARPY COUNTY --- 1.8 NW AVERY [41.19, -95.95], 0.5 E AVERY [41.17, -95.92]</b>				
	06/23/09 17:00 CST	0		Thunderstorm Wind (EG 55 kt)
	06/23/09 17:10 CST	0		Source: Law Enforcement
A wet micro-burst thunderstorm knocked down trees and limbs which downed power lines on the north side of Bellevue.				
<b>BUTLER COUNTY --- 2.0 NW RISING CITY [41.22, -97.33], RISING CITY [41.20, -97.30]</b>				
	06/23/09 17:07 CST	0		Thunderstorm Wind (EG 52 kt)
	06/23/09 17:10 CST	0		Source: Trained Spotter
Spotters estimated wind gusts of around 60 mph from northwest of Rising City into town. The winds were accompanied by nickel-size hail.				

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BUTLER COUNTY --- RISING CITY [41.20, -97.30]</b>				
	06/23/09 17:13 CST		0	Hail (0.88 in)
	06/23/09 17:13 CST		0	Source: Trained Spotter

Accompanied by thunderstorm wind gusts estimated at 60 mph.

<b>BUTLER COUNTY --- 2.6 W DAVID CITY [41.25, -97.18]</b>				
	06/23/09 17:30 CST		0	Thunderstorm Wind (EG 52 kt)
	06/23/09 17:30 CST		0	Source: Trained Spotter

A spotter estimated wind gusts from a thunderstorm reached around 60 mph.

<b>SALINE COUNTY --- 0.5 W TOBIAS [40.42, -97.34]</b>				
	06/23/09 20:00 CST		0	Thunderstorm Wind (EG 52 kt)
	06/23/09 20:00 CST		0	Source: Emergency Manager

A decaying thunderstorm flattened corn in the Tobias area.

Thunderstorms that developed in western Nebraska during the late evening of June 22nd moved into western Iowa around noon on the 23rd. The storms created an outflow boundary which collided with very unstable conditions, temperatures of 90 to 95 degrees and dew point temperatures in the upper 70s. This caused new thunderstorm development near the Missouri River north of Omaha by mid afternoon. These storms moved southeast clipping the Omaha metro area with and additional thunderstorm development farther west by evening. The storms were mainly wet micro-burst producers although some hail was reported.

<b>PAWNEE COUNTY --- DU BOIS [40.03, -96.05]</b>				
	06/24/09 13:54 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/09 14:16 CST		0	Source: Trained Spotter

A spotter estimated thunderstorm wind gusts of 60 mph lasted for around 20 minutes in the Du Bois area. The winds were accompanied by torrential rain.

<b>PAWNEE COUNTY --- 3.5 N DU BOIS [40.08, -96.05]</b>				
	06/24/09 14:05 CST		0	Hail (1.50 in)
	06/24/09 14:05 CST		0	Source: Emergency Manager

Thunderstorm winds estimated at around 60 mph were also reported in the area.

A weak cold front, possibly reinforced by thunderstorms that occurred either earlier in the afternoon or during the previous evening, caused a few severe thunderstorms to develop from southwest Iowa into southeast Nebraska. Due to hot and humid conditions present over the region, the thunderstorms were mainly the wet micro-burst variety although some hail was reported.

<b>KNOX COUNTY --- 5.0 W LINDY [42.73, -97.83]</b>				
	06/25/09 00:55 CST		0	Hail (0.88 in)
	06/25/09 00:55 CST		0	Source: Public

Scattered thunderstorms developed southeast out of South Dakota into northeast Nebraska during the early morning hours of June 25th. At least one hail report was received from a storm as it tracked across northeast Nebraska, but the activity quickly weakened after that.

<b>KNOX COUNTY --- 6.9 S VERDEL [42.72, -98.19]</b>				
	06/26/09 22:20 CST		0	Thunderstorm Wind (EG 52 kt)
	06/26/09 22:20 CST		0	Source: Trained Spotter

A spotter estimated thunderstorm wind gusts around 60 mph.

A line of thunderstorms developed in western Nebraska and southern South Dakota ahead of a cold front that was moving across the western plains. The storms produced areas of wind damage which decreased as they reached northeast Nebraska.