

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>IOWA, Northeast</b>				
<b>MITCHELL COUNTY --- 1.1 S MITCHELL [43.30, -92.88]</b>				
	06/04/10 05:50 CST		30K	Lightning
	06/04/10 09:00 CST		0	Source: Newspaper
Lightning caused a barn to catch on fire and destroyed the barn in rural Mitchell County.				
<b>Thunderstorms developed along a cold front and moved across portions of northeast Iowa in the morning hours of June 4th. Lightning from the thunderstorms struck a barn and started it on fire in rural Mitchell County.</b>				
<b>MITCHELL COUNTY --- ST ANSGAR [43.38, -92.93]</b>				
	06/17/10 20:30 CST		5K	Thunderstorm Wind (EG 52 kt)
	06/17/10 20:30 CST		0	Source: Newspaper
Media reports indicate several large trees were uprooted.				
<b>MITCHELL COUNTY --- 0.5 E OSAGE [43.28, -92.81]</b>				
	06/17/10 20:35 CST		10K	Thunderstorm Wind (EG 56 kt)
	06/17/10 20:35 CST		0	Source: Law Enforcement
Numerous trees and power lines were reported down throughout the county.				
<b>HOWARD COUNTY --- 0.9 SE CHESTER [43.49, -92.36]</b>				
	06/17/10 20:53 CST		0.25K	Thunderstorm Wind (EG 52 kt)
	06/17/10 20:53 CST		0	Source: Law Enforcement
A large tree limb was blown down across Highway 63.				
<b>HOWARD COUNTY --- 0.5 E CRESCO MUNI ARPT [43.37, -92.12]</b>				
	06/17/10 21:10 CST		4K	Thunderstorm Wind (EG 52 kt)
	06/17/10 21:10 CST		0	Source: Law Enforcement
Power lines were blown down. Media reports indicate a large tree was blown down onto a house but the house did not sustain any structural damage. Other large tree limbs were also blown down.				
<b>Severe thunderstorms developed during the evening of June 17th along a warm front that was lifting north through the region. These severe thunderstorms produced some damaging winds across portions of Mitchell and Howard Counties.</b>				
<b>FLOYD COUNTY --- 1.5 W FOLKERTS FLD ARPT [43.13, -92.90]</b>				
	06/18/10 08:45 CST		0	Hail (1.00 in)
	06/18/10 08:45 CST		0	Source: Law Enforcement
<b>Thunderstorms developed north of a stationary front over western Iowa early in the morning of June 16th. These storms then moved northeast across central into northeast Iowa dropping some large hail in Floyd County.</b>				
<b>FAYETTE COUNTY --- 5.1 NNW WESTGATE [42.84, -92.03]</b>				
	06/23/10 01:25 CST		25K	Thunderstorm Wind (EG 78 kt)
	06/23/10 01:25 CST		0	Source: Law Enforcement
Severe thunderstorm winds damaged several farm outbuildings, including a new grain bin. A NWS storm survey concluded the damage was created by straight-line winds of estimated speeds up to 90 mph.				
<b>FAYETTE COUNTY --- 6.9 NNW WESTGATE [42.86, -92.06]</b>				
	06/23/10 01:28 CST		2K	Thunderstorm Wind (EG 65 kt)
	06/23/10 01:28 CST		0	Source: Law Enforcement
Severe thunderstorms winds blew down a tree, broke some windows and created a propane leak.				
<b>FAYETTE COUNTY --- 2.1 NW ARLINGTON [42.77, -91.70]</b>				
	06/23/10 01:50 CST		32K	Thunderstorm Wind (EG 75 kt)
	06/23/10 01:50 CST		0	Source: Law Enforcement

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Severe thunderstorm winds caused the roofs of two hog confinement buildings to cave in on a farm on County Road W45 (G Avenue). Media reports indicate several hogs had to later be destroyed due to the extent of their injuries suffered when the building collapsed. Several other farm buildings in the area were also damaged or blown down.

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**FAYETTE COUNTY --- 1.9 ENE STANLEY [42.66, -91.76], 5.7 E STANLEY [42.66, -91.69]**

	06/23/10 01:53 CST		50K	Thunderstorm Wind (EG 78 kt)
	06/23/10 01:55 CST		0	Source: NWS Storm Survey

Severe thunderstorms winds created a path of damage between I and E Avenues just south of 20th Street. Several trees, power lines and buildings were damaged. A NWS storm survey determined the damage was created by straight-line winds of estimated speeds between 70 and 90 mph.

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**CLAYTON COUNTY --- 2.2 SW MEDERVILLE [42.75, -91.45]**

	06/23/10 02:14 CST		0.50K	Thunderstorm Wind (EG 56 kt)
	06/23/10 02:14 CST		0	Source: Emergency Manager

Thunderstorm winds knocked down trees along Evergreen Road.

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**MITCHELL COUNTY --- 0.4 NNW STACYVILLE [43.44, -92.78], 0.7 NNW STACYVILLE [43.44, -92.79], 0.7 NNW STACYVILLE [43.44, -92.79], 0.6 NNW STACYVILLE [43.44, -92.78], 0.5 N STACYVILLE [43.44, -92.78], 0.5 N STACYVILLE [43.44, -92.78]**

	06/23/10 02:54 CST		0	Flood (due to Heavy Rain)
	06/23/10 05:00 CST		0	Source: Law Enforcement

Heavy rain produced some street flooding in Stacyville and the Little Cedar River was bankful in Riverside Park. Total 24-hour rainfalls included 3.00 inches at Stacyville, 2.60 inches at Osage, and 2.50 inches at Riceville.

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**CHICKASAW COUNTY --- 0.9 SE NEW HAMPTON [43.06, -92.32], 1.0 SE NEW HAMPTON [43.06, -92.32], 1.1 SE NEW HAMPTON [43.06, -92.32], 0.9 SE NEW HAMPTON [43.06, -92.32]**

	06/23/10 03:14 CST		0	Flood (due to Heavy Rain)
	06/23/10 05:15 CST		0	Source: Law Enforcement

Heavy rains produced some street flooding in New Hampton. A 24-hour rainfall total of 2.30 inches was reported.

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**WINNESHIEK COUNTY --- 0.6 ENE DECORAH [43.30, -91.79], 0.8 WNW FREEPORT [43.30, -91.78], 0.7 WNW FREEPORT [43.30, -91.78], 0.5 ENE DECORAH [43.30, -91.79]**

	06/23/10 03:15 CST		0	Flood (due to Heavy Rain)
	06/23/10 05:15 CST		0	Source: Law Enforcement

Heavy rain produced some street flooding in the city of Decorah.

**A slow moving warm front over central Iowa allowed thunderstorms to develop over northern Iowa during the evening of the 22nd into the early morning of the 23rd. These storms then moved east across northeast Iowa into southwest Wisconsin producing damaging winds and heavy rain. Storm surveys completed by staff members from the Des Moines National Weather Service estimated straight-line thunderstorm winds of 70 to 90 mph caused the damage.**

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**MITCHELL COUNTY --- 0.9 NE ST ANSGAR [43.39, -92.92]**

	06/25/10 20:15 CST		0	Hail (0.88 in)
	06/25/10 20:15 CST		0	Source: Law Enforcement

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**FLOYD COUNTY --- 2.4 NW FLOYD HANRY ARPT [43.20, -92.74]**

	06/25/10 20:31 CST		0	Hail (1.00 in)
	06/25/10 20:31 CST		0	Source: Fire Department/Rescue

The winds from the thunderstorms were estimated to be around 60 mph.

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**FLOYD COUNTY --- 7.0 SE CHARLES CITY [43.00, -92.60]**

	06/25/10 20:56 CST		0	Funnel Cloud
	06/25/10 20:56 CST		0	Source: Trained Spotter

Spotters from Nashua reported a funnel cloud about 7 miles southeast of Charles City or 3 miles northwest of Nashua.

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**CHICKASAW COUNTY --- 0.9 NE IONIA [43.04, -92.46]**

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/25/10 20:57 CST		0	Hail (1.00 in)
	06/25/10 20:57 CST		0	Source: Law Enforcement

Severe thunderstorms developed across western and central Minnesota during the afternoon of June 25th and moved southeast with the strongest storms remaining across the central parts of Minnesota and Iowa. The storms that did move across northeast Iowa dropped hail and also produced a funnel cloud.

### MINNESOTA, Southeast

#### (MN-Z095) FILLMORE

06/11/10 08:40 CST	1K	Strong Wind (MAX 39 kt)
06/11/10 08:40 CST	0	

Outflow from thunderstorms produced damaging winds in parts of southeast Minnesota in the late morning hours of June 11th. The automated weather observing system at the Preston airport reported a wind gust of 45 miles per hour in the late morning hours. The strong wind gusts knocked down large branches in the city of Preston (Fillmore County).

#### OLMSTED COUNTY --- 0.5 WNW BYRON [44.03, -92.66]

06/15/10 12:00 CST	0	Funnel Cloud
06/15/10 12:00 CST	0	Source: Law Enforcement

#### DODGE COUNTY --- 4.0 NE MANTORVILLE [44.11, -92.70]

06/15/10 12:30 CST	0	Funnel Cloud
06/15/10 12:30 CST	0	Source: Emergency Manager

Scattered thunderstorms developed north of a warm front in the early afternoon hours of June 15th. The thunderstorms produced funnel clouds over parts of Dodge and Olmsted Counties in southeast Minnesota.

#### DODGE COUNTY --- 9.0 W HAYFIELD [43.87, -93.05]

06/17/10 18:50 CST	0	Hail (0.75 in)
06/17/10 18:52 CST	0	Source: Public

Employees at a gas station reported the hail fell for a few minutes.

#### DODGE COUNTY --- 0.7 S CLAREMONT [44.04, -93.00]

06/17/10 19:21 CST	0	Hail (1.00 in)
06/17/10 19:21 CST	0	Source: Emergency Manager

#### DODGE COUNTY --- 8.9 W HAYFIELD [43.90, -93.05], 5.5 S CLAREMONT [43.97, -93.01]

06/17/10 19:33 CST	0	Tornado (EF0, L: 4.85 mi , W: 25 yd)
06/17/10 19:40 CST	2K	Source: NWS Storm Survey

A tornado developed over Steele county and briefly moved north-northeast into Dodge County before dissipating southwest of Claremont. The tornado traveled across rural areas of Dodge County with little damage.

#### DODGE COUNTY --- 9.0 WNW HAYFIELD [43.91, -93.05], 5.7 WNW HAYFIELD [43.92, -92.97]

06/17/10 19:35 CST	30K	Tornado (EF1, L: 4.12 mi , W: 33 yd)
06/17/10 19:45 CST	0	Source: NWS Storm Survey

This was the second tornado of the night to hit Dodge County. It formed over Steele County where it was rated an EF2, and then moved into Dodge County affecting rural areas of the county northeast of Blooming Prairie. Most of the damage occurred near County Roads 3 and 4 where roofs were partially torn off buildings and trees were blown down.

#### DODGE COUNTY --- DODGE CENTER [44.03, -92.85]

06/17/10 19:45 CST	0	Thunderstorm Wind (EG 52 kt)
06/17/10 19:45 CST	0	Source: Emergency Manager

The Dodge County emergency manager reported an estimated wind gust of 60 mph.

#### DODGE COUNTY --- 3.0 S HAYFIELD [43.84, -92.87]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/17/10 19:46 CST		0	Thunderstorm Wind (EG 52 kt)
	06/17/10 19:46 CST		0	Source: Public

A peak wind gust of 60 mph occurred.

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### OLMSTED COUNTY --- 0.7 S ROCK DELL [43.91, -92.65]

	06/17/10 19:57 CST		0	Thunderstorm Wind (MG 65 kt)
	06/17/10 20:00 CST		0	Source: Trained Spotter

Trained spotters and amateur radio operators reported measured wind gusts of 70 to 75 mph.

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### OLMSTED COUNTY --- 1.2 SE BYRON [44.02, -92.63]

	06/17/10 19:57 CST		0	Thunderstorm Wind (MG 70 kt)
	06/17/10 20:11 CST		0	Source: Emergency Manager

Trained spotters, amateur radio operators and the Olmsted County emergency manager reported several wind gusts ranging in speed from 60 to 80 mph.

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### OLMSTED COUNTY --- 1.2 SE BYRON [44.02, -92.63]

	06/17/10 19:59 CST		0	Hail (1.00 in)
	06/17/10 20:00 CST		0	Source: Amateur Radio

The hail ranged from the size of a nickel up to a quarter.

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### OLMSTED COUNTY --- 4.1 SSE DOUGLAS [44.06, -92.54], 3.7 NNW ROCHESTER [44.08, -92.50]

	06/17/10 20:03 CST		1.90M	Tornado (EF1, L: 2.38 mi , W: 150 yd)
	06/17/10 20:10 CST		0	Source: NWS Storm Survey

An EF1 tornado produced intermittent damage starting near 50th Ave NW just south of the Northern Hills Golf Course northeast almost to the intersection of 55th St NW and and 23rd Ave NW in the city of Rochester. The path of the tornado took it through a residential area where several homes were damaged. It also struck a Menards store doing extensive damage before dissipating a few minutes later. According to media reports, the tornado damaged at least 30 homes, one of which was destroyed.

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### OLMSTED COUNTY --- 1.5 E LAIRD [43.97, -92.20]

	06/17/10 20:21 CST		0	Thunderstorm Wind (MG 63 kt)
	06/17/10 20:21 CST		0	Source: Mesonet

A mesonet automated reporting station recorded a peak wind gust of 72 mph.

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### WINONA COUNTY --- ST CHARLES [43.97, -92.08]

	06/17/10 20:35 CST		50K	Thunderstorm Wind (EG 61 kt)
	06/17/10 20:35 CST		0	Source: Emergency Manager

The Winona County emergency manager reported a large grain bin blown over along with power lines down.

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### WINONA COUNTY --- 1.0 E ST CHARLES [43.97, -92.06]

	06/17/10 20:37 CST		65K	Thunderstorm Wind (EG 61 kt)
	06/17/10 20:37 CST		0	Source: Emergency Manager

The Winona County emergency manager reported railroad crossing guard rails and trees blown down.

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### WINONA COUNTY --- 1.4 WSW GOODVIEW [44.06, -91.73]

	06/17/10 20:53 CST		95K	Thunderstorm Wind (EG 56 kt)
	06/17/10 20:53 CST		0	Source: Newspaper

Thunderstorm winds damaged at least a dozen mobile homes in the Hidden Valley mobile home park. One home was destroyed when a large tree was uprooted and fell on the home. No injuries occurred as the family decided to stay the night with friends. In addition, the roof of a cattle slaughtering plant was damaged in the Bethany area.

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### WINONA COUNTY --- 0.5 W WINONA [44.05, -91.66]

	06/17/10 20:54 CST		0	Thunderstorm Wind (MG 53 kt)
	06/17/10 20:54 CST		0	Source: AWOS

The automated weather observing equipment at the Winona airport reported a peak wind gust of 61 mph.

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>FILLMORE COUNTY --- 0.9 NE HARMONY [43.56, -92.01]</b>				
	06/17/10 21:17 CST		0	Thunderstorm Wind (MG 52 kt)
	06/17/10 21:17 CST		0	Source: Fire Department/Rescue
The Harmony fire department reported a peak wind gust of 60 mph.				
<b>HOUSTON COUNTY --- 1.0 E NEWHOUSE [43.52, -91.70]</b>				
	06/17/10 21:30 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/17/10 21:30 CST		0	Source: Law Enforcement
Trees were blown down across Highway 44.				
<b>WINONA COUNTY --- NODINE [43.90, -91.45]</b>				
	06/17/10 21:46 CST		0	Hail (1.00 in)
	06/17/10 21:46 CST		0	Source: Emergency Manager

Severe thunderstorms developed during the evening of June 17th along a warm front that was lifting north through southern Minnesota and northeast Iowa. These severe thunderstorms produced the first tornadoes of 2010 for southeast Minnesota with three confirmed tornadoes. Two of these occurred in rural portions of Dodge County while the third moved through the northwest side of Rochester (Olmsted County). The tornadoes in Dodge County were rated EF0 and EF1 on the Enhanced Fujita Scale while the tornado in Rochester was rated EF1. The tornado in Rochester was the first to occur within the city limits since August 1995. As the storms progressed east, they became prolific wind producers with wind gusts of 60 to 80 mph across Olmsted and Winona Counties. Numerous buildings were damaged or destroyed with most of this occurring from Rochester east through the Winona area (Winona County). Federal Disaster Declarations for public assistance were designated for Olmsted and Houston Counties in southeast Minnesota.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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*Tornado damage in northwest Rochester, MN from June 17, 2010. Photo taken by Randy Breeser, NOAA/NWS La Crosse.*

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**FILLMORE COUNTY --- 2.0 W BRATSBERG [43.73, -91.81]**

06/21/10 14:25 CST	0	Hail (1.00 in)
06/21/10 14:25 CST	0	Source: Public

Thunderstorms developed during the afternoon of the 21st across southeast Minnesota ahead of an area of low pressure moving east out of North Dakota. These storms produced some hail up to the size of quarters across Fillmore County.

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**FILLMORE COUNTY --- 1.0 S PETERSON [43.79, -91.83]**

06/23/10 03:00 CST	0	Heavy Rain
06/23/10 06:00 CST	0	Source: COOP Observer

The 24-hour rainfall total was 2.39 inches.

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**MOWER COUNTY --- LE ROY [43.52, -92.52]**

06/23/10 03:00 CST	0	Heavy Rain
06/23/10 06:00 CST	0	Source: COOP Observer

An official rainfall total of 3.20 inches was reported.

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**HOUSTON COUNTY --- 0.8 S RENO [43.59, -91.28], 0.8 S RENO [43.59, -91.28], 0.9 S RENO [43.59, -91.28], 1.0 S RENO [43.59, -91.28], 1.0 S RENO [43.59, -91.28]**

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/23/10 03:15 CST		4K	Flash Flood (due to Heavy Rain)
	06/23/10 06:00 CST		0	Source: Law Enforcement

Thunderstorms with heavy rain caused mud slides to cover parts of Highway 26 in the vicinity of Reno. Also, a small section of County Road 249 near Freeburg was washed out. Rainfall totals included 3.71 inches at Reno, MN, 3.49 inches about 6 miles south of Caledonia, and 2.60 inches in La Crescent.

**A slow moving warm front over central Iowa allowed thunderstorms to develop over northern Iowa during the evening of the 22nd into the early morning of the 23rd. These storms then moved northeast across northeast Iowa into southeast Minnesota producing heavy rains and a mud slide in Houston County.**

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MOWER COUNTY --- 2.1 S CORNING [43.74, -93.05], 1.5 W SARGEANT [43.80, -92.85]				
	06/26/10 21:24 CST		88K	Thunderstorm Wind (EG 70 kt)
	06/26/10 21:36 CST		0	Source: NWS Storm Survey

Amateur radio operators reported estimated wind gusts up to 80 mph. A NWS Storm Survey confirmed straight-line wind damage to a large area of trees and roof damage to a farm building.

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MOWER COUNTY --- 0.7 W MAPLEVIEW [43.68, -92.99]				
	06/26/10 21:32 CST		0	Thunderstorm Wind (EG 61 kt)
	06/26/10 21:32 CST		0	Source: Law Enforcement

Thunderstorm winds blew vehicles off the road and into a cornfield at the intersection of Highway 218 and Interstate 90.

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DODGE COUNTY --- WEST CONCORD [44.15, -92.90]				
	06/26/10 21:37 CST		0	Thunderstorm Wind (MG 52 kt)
	06/26/10 21:37 CST		0	Source: Emergency Manager

The Dodge County emergency manager reported a measured wind gust of 60 mph in West Concord.

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DODGE COUNTY --- DODGE CENTER ARPT [44.02, -92.83]				
	06/26/10 21:45 CST		0	Thunderstorm Wind (MG 64 kt)
	06/26/10 21:45 CST		0	Source: AWOS

The automated weather observing equipment at the Dodge Center airport measured a wind gust of 74 mph.

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OLMSTED COUNTY --- 1.5 SSW ROCHESTER [44.01, -92.48]				
	06/26/10 22:10 CST		0	Hail (0.75 in)
	06/26/10 22:10 CST		0	Source: COOP Observer

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OLMSTED COUNTY --- 1.5 SSW ROCHESTER [44.01, -92.48]				
	06/26/10 22:10 CST		4K	Thunderstorm Wind (EG 48 kt)
	06/26/10 22:10 CST		0	Source: Law Enforcement

Thunderstorm winds knocked down nine trees in the city of Rochester with some of these landing on vehicles. Power outages occurred from tree branches landing on power lines. Approximately 200 homes were affected.

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OLMSTED COUNTY --- 2.1 N SIMPSON [43.96, -92.40]				
	06/26/10 22:12 CST		0	Hail (0.88 in)
	06/26/10 22:12 CST		0	Source: Emergency Manager

The thunderstorm winds were estimated to be between 40 and 50 mph.

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OLMSTED COUNTY --- 1.5 E LAIRD [43.97, -92.20]				
	06/26/10 22:21 CST		0	Thunderstorm Wind (MG 52 kt)
	06/26/10 22:21 CST		0	Source: Mesonet

An automated mesonet sensor system recorded a measured wind gust of 60 mph.

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OLMSTED COUNTY --- 0.7 N EYOTA [43.99, -92.23]				
	06/26/10 22:22 CST		0	Thunderstorm Wind (MG 52 kt)
	06/26/10 22:22 CST		0	Source: Fire Department/Rescue

Spotters in Eyota measured a thunderstorm wind gust of 60 mph.

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**OLMSTED COUNTY --- 1.0 E DOVER [43.97, -92.13]**

06/26/10 22:24 CST			0	Thunderstorm Wind (MG 52 kt)
06/26/10 22:24 CST			0	Source: Fire Department/Rescue

Spotters in Dover measured a thunderstorm wind gust of 60 mph.

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**WINONA COUNTY --- ALTURA [44.07, -91.93]**

06/26/10 22:32 CST			2K	Thunderstorm Wind (EG 52 kt)
06/26/10 22:32 CST			0	Source: Emergency Manager

Thunderstorm winds blew down some trees, landing on power lines. Nickel sized hail also occurred.

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**HOUSTON COUNTY --- 4.2 WNW PERKINS [43.80, -91.73], 2.0 W MONEY CREEK [43.82, -91.66]**

06/26/10 22:45 CST			2K	Thunderstorm Wind (EG 52 kt)
06/26/10 22:47 CST			0	Source: Law Enforcement

Thunderstorm winds blew down 8 trees across County Road 26 from east of Rushford to west of the Money Creek area.

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**HOUSTON COUNTY --- 3.6 ENE MONEY CREEK [43.84, -91.55]**

06/26/10 22:50 CST			2K	Thunderstorm Wind (EG 52 kt)
06/26/10 22:50 CST			0	Source: Law Enforcement

Thunderstorms winds blew down trees. An electrical transformer was on fire but the cause was unknown.

**Thunderstorms developed along a nearly stationary front over western and central Minnesota during the late afternoon and early evening of the 26th. The storms then tracked east across southeast Minnesota during the evening hours. A NWS Storm Survey estimated the wind speed from straight-line thunderstorms winds to be between 70 and 85 mph over parts of Mower County.**

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**MOWER COUNTY --- 1.3 SE MAPLEVIEW [43.67, -92.96]**

06/30/10 02:30 CST			1K	Lightning
06/30/10 02:45 CST			0	Source: Broadcast Media

Lightning struck a tree in Driesner Park in Austin starting a small fire and caused the tree to split open.

**Lightning from overnight thunderstorms struck a tree in Austin (Mower County) starting a small fire.**

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### WISCONSIN, Southwest

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**(WI-Z017) TAYLOR, (WI-Z029) CLARK**

06/01/10 00:00 CST			0	Drought
06/29/10 12:00 CST			0	

**Severe drought conditions developed across parts of north central Wisconsin early in the month and continue until rains increased soil moisture conditions by late in the month.**

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**CLARK COUNTY --- 0.7 S THORP [44.96, -90.80]**

06/01/10 14:55 CST			1.50K	Thunderstorm Wind (EG 56 kt)
06/01/10 14:55 CST			0	Source: Law Enforcement

A tree fell on power lines and caused power outages in the city of Thorp.

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**CRAWFORD COUNTY --- 2.8 NNW BELL CENTER [43.32, -90.84]**

06/01/10 22:00 CST			0	Hail (0.75 in)
06/01/10 22:15 CST			2K	Source: Public

Hail damaged apple trees on a farm near the city of Gays Mills.

**A cold front moved east across western Wisconsin during the late afternoon and evening hours of June 1st. This allowed scattered thunderstorms to develop and track across portions of western Wisconsin. The thunderstorms knocked down a tree onto power lines and caused power outages in the city of Thorp (Clark County) and hail damaged apple trees on a farm in Crawford County.**

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<b>TREMPEALEAU COUNTY --- 2.5 NNW BUTMAN CORNERS [44.11, -91.31]</b>				
	06/06/10 12:04 CST		0	Hail (0.88 in)
	06/06/10 12:04 CST		0	Source: Law Enforcement
<b>VERNON COUNTY --- 4.3 NE STODDARD [43.72, -91.16]</b>				
	06/06/10 12:16 CST		0	Hail (0.75 in)
	06/06/10 12:16 CST		0	Source: NWS Employee
<b>TREMPEALEAU COUNTY --- 2.0 WSW FRENCHVILLE [44.14, -91.36]</b>				
	06/06/10 15:25 CST		0	Hail (0.88 in)
	06/06/10 15:29 CST		0	Source: Public
The public reported the ground covered by nickel to pea size hail and leaves shredded off of plants.				
<b>TREMPEALEAU COUNTY --- 3.0 ENE GALESVILLE [44.10, -91.29]</b>				
	06/06/10 15:29 CST		0	Hail (1.00 in)
	06/06/10 15:29 CST		0	Source: Public
<b>LA CROSSE COUNTY --- WEST SALEM [43.90, -91.08]</b>				
	06/06/10 15:55 CST		0	Hail (0.75 in)
	06/06/10 15:55 CST		0	Source: Public
An upper level disturbance enabled scattered thunderstorms to develop over southwest Wisconsin in the afternoon hours of June 6th. The thunderstorms produced hail up to one inch in diameter in Trempealeau, Vernon and La Crosse Counties.				
<b>(WI-Z041) LA CROSSE</b>				
	06/11/10 09:40 CST		8.75K	Strong Wind (MAX 40 kt)
	06/11/10 09:59 CST		0	
Outflow from thunderstorms produced damaging winds in parts of southwest Wisconsin in the late morning hours of June 11th. The strong wind gusts knocked down trees and tree branches onto power lines across La Crosse County.				
<b>JUNEAU COUNTY --- 2.6 ESE LYNDON STATION [43.71, -89.85]</b>				
	06/11/10 16:30 CST		16.50K	Lightning
	06/11/10 16:30 CST		0	Source: Newspaper
Lightning struck an oak tree and killed a dozen cattle on a farm on County Road N.				
Thunderstorms developed along a cold front and moved over central Wisconsin in the evening hours of June 12th. Lightning from the thunderstorms struck an oak tree and killed a dozen cows in rural Juneau County.				
<b>BUFFALO COUNTY --- 3.0 NW FOUNTAIN CITY [44.16, -91.76]</b>				
	06/17/10 20:49 CST		2K	Thunderstorm Wind (EG 54 kt)
	06/17/10 20:53 CST		0	Source: Public
Strong thunderstorm wind gusts were reported along the Mississippi River in southwest parts of Buffalo County.				
<b>BUFFALO COUNTY --- 1.0 W CREAM [44.32, -91.79], 1.3 E CREAM [44.32, -91.74]</b>				
	06/17/10 20:57 CST		8K	Tornado (EF1, L: 2.28 mi , W: 25 yd)
	06/17/10 21:01 CST		0	Source: NWS Storm Survey
A brief tornado in the vicinity of Cream created mainly tree damage with some minor damage to a few buildings. Some of the trees damaged included 30 inch diameter trees snapped off or blown down.				
<b>TREMPEALEAU COUNTY --- 1.0 ESE GALESVILLE [44.07, -91.33]</b>				
	06/17/10 21:12 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/17/10 21:12 CST		0	Source: Law Enforcement
Trees were blown down onto Highway 53 blocking a lane of traffic.				
<b>TREMPEALEAU COUNTY --- ETRICK [44.17, -91.27]</b>				

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/17/10 21:17 CST		2.50K	Thunderstorm Wind (EG 52 kt)
	06/17/10 21:17 CST		0	Source: Law Enforcement
Several trees were blown down.				
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<b>JACKSON COUNTY --- NORTHFIELD [44.47, -91.10]</b>				
	06/17/10 21:36 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/17/10 21:36 CST		0	Source: Amateur Radio
Amateur radio operators reported several trees blown down.				
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<b>JACKSON COUNTY --- TAYLOR [44.32, -91.12]</b>				
	06/17/10 21:36 CST		3K	Thunderstorm Wind (EG 52 kt)
	06/17/10 21:36 CST		0	Source: COOP Observer
Trees and power lines were blown down.				
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<b>JACKSON COUNTY --- 0.5 W MERRILLAN [44.45, -90.84]</b>				
	06/17/10 21:45 CST		2.50K	Thunderstorm Wind (EG 52 kt)
	06/17/10 21:45 CST		0	Source: Emergency Manager
A tree was blown down onto a building and the power was out in the Merrilan area.				
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<b>GRANT COUNTY --- BLUE RIVER [43.18, -90.57]</b>				
	06/17/10 22:47 CST		1K	Thunderstorm Wind (EG 48 kt)
	06/17/10 22:47 CST		0	Source: Newspaper
Gusty thunderstorm winds brought down a large tree limb which landed on top of a vehicle.				
<p><b>Severe thunderstorms developed during the evening of June 17th along a warm front that was lifting north through southern Minnesota and northeast Iowa. These severe thunderstorms produced some damaging winds across portions of western into central Wisconsin. An EF1 tornado also formed and tracked across portions of Buffalo County.</b></p>				
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<b>CRAWFORD COUNTY --- 3.7 SE STAR VLY [43.34, -90.83], 1.2 WSW ROLLING GROUND [43.33, -90.75]</b>				
	06/23/10 02:22 CST		5K	Tornado (EF0, L: 3.86 mi , W: 25 yd)
	06/23/10 02:26 CST		0	Source: NWS Storm Survey
Storm surveys conducted by NWS La Crosse and the Crawford County Sheriffs Dept. found a tornado track a little over 3.5 miles long. Damaged caused by the tornado included one out building and several trees along Del La Mater Road and Highway 171.				
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<b>CRAWFORD COUNTY --- ROLLING GROUND [43.33, -90.73]</b>				
	06/23/10 02:35 CST		5K	Thunderstorm Wind (EG 56 kt)
	06/23/10 02:35 CST		0	Source: Law Enforcement
Thunderstorm winds blew down a shed with sheet metal moved about a quarter of a mile.				
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<b>VERNON COUNTY --- 0.5 E READSTOWN [43.45, -90.76]</b>				
	06/23/10 02:45 CST		2K	Thunderstorm Wind (EG 52 kt)
	06/23/10 02:45 CST		0	Source: Public
Numerous trees were reported blown down by thunderstorms winds. In addition, 2.65 inches of rain occurred.				
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<b>GRANT COUNTY --- 1.5 N KIELER [42.60, -90.60]</b>				
	06/23/10 03:20 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	06/23/10 03:20 CST		0	Source: Emergency Manager
Thunderstorm winds blew down trees across West Lane.				
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<b>VERNON COUNTY --- 2.1 N STODDARD [43.70, -91.21], 2.1 N STODDARD [43.70, -91.22], 2.1 N STODDARD [43.70, -91.22], 2.1 N STODDARD [43.70, -91.22]</b>				
	06/23/10 03:50 CST		0	Flood (due to Heavy Rain)
	06/23/10 06:00 CST		0	Source: Law Enforcement

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Heavy rains caused some minor erosion to occur washing some debris onto roads. Ponding of water on roads was reported in many locations across Vernon County.</p>				
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<b>RICHLAND COUNTY --- 2.5 SSW BUCK CREEK [43.39, -90.39], 2.5 SSW BUCK CREEK [43.39, -90.39], 2.7 SSW BUCK CREEK [43.38, -90.39], 2.6 SSW BUCK CREEK [43.38, -90.39], 2.6 SSW BUCK CREEK [43.39, -90.39], 2.6 SSW BUCK CREEK [43.39, -90.39], 2.5 SSW BUCK CREEK [43.39, -90.39]</b>	06/23/10 04:46 CST		3K	Flash Flood (due to Heavy Rain)
	06/23/10 08:00 CST		0	Source: Emergency Manager
<p>Heavy rains caused numerous land slides to occur across Richland County. Some of the reported slides were along Highways 56/80 and Highway 171. Broadcast Media also reported water over County Road MM near the intersection with Highway 56. Rainfall totals of 3.00 inches were reported about 4-5 miles east of Viola, WI.</p>				
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<b>VERNON COUNTY --- 4.3 NE STODDARD [43.72, -91.17], 4.3 NE STODDARD [43.72, -91.17], 4.3 NE STODDARD [43.72, -91.17], 4.2 NE STODDARD [43.72, -91.17]</b>	06/23/10 04:47 CST		10K	Flood (due to Heavy Rain)
	06/23/10 08:00 CST		0	Source: Law Enforcement
<p>Flooding forced the evacuation of an assisted living facility. All the residents were moved to another facility without any injuries being sustained. Media reports indicate most of the flooring in the facility had to be replaced.</p>				
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<b>VERNON COUNTY --- 1.4 NE CHASEBURG [43.66, -91.08], 1.0 NE CHASEBURG [43.66, -91.08], 1.1 NE CHASEBURG [43.66, -91.09], 1.4 NE CHASEBURG [43.66, -91.08]</b>	06/23/10 07:26 CST		0	Flood (due to Heavy Rain)
	06/23/10 10:30 CST		0	Source: Emergency Manager
<p>Heavy rain caused flooding to occur along Highway 162 near Chaseburg prompting officials to close the road until the water receded. Rainfall totals included 3.50 inches near Goose Island and 3.10 inches about 5 miles northeast of Stoddard near the La Crosse County border.</p> <p><b>A slow moving warm front over the region helped trigger the formation of severe thunderstorms during the evening of the 22nd into the early morning of the 23rd. These storms moved east across northeast Iowa into southwest Wisconsin producing damaging winds, a small tornado, and heavy rain.</b></p>				
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<b>CRAWFORD COUNTY --- 0.5 SSW SOLDIERS GROVE [43.39, -90.77], 0.5 SW SOLDIERS GROVE [43.39, -90.78], 0.4 SW SOLDIERS GROVE [43.40, -90.78], 0.4 WSW SOLDIERS GROVE [43.40, -90.78], 0.5 SW SOLDIERS GROVE [43.40, -90.78], 0.5 SW SOLDIERS GROVE [43.39, -90.78], 0.5 SSW SOLDIERS GROVE [43.39, -90.78], 0.5 SSW SOLDIERS GROVE [43.39, -90.77]</b>	06/24/10 02:00 CST		0	Flood (due to Heavy Rain)
	06/24/10 04:00 CST		0	Source: River/Stream Gage
<p>Heavy rain pushed the Kickapoo River right to flood stage in Soldiers Grove.</p>				
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<b>CRAWFORD COUNTY --- 3.2 NNW BELL CENTER [43.32, -90.85], 3.2 NNW BELL CENTER [43.32, -90.85], 3.0 NNW BELL CENTER [43.32, -90.85], 3.0 NNW BELL CENTER [43.32, -90.85], 3.1 NNW BELL CENTER [43.32, -90.85], 3.1 NNW BELL CENTER [43.32, -90.85]</b>	06/24/10 20:00 CST		0	Flood (due to Heavy Rain)
	06/25/10 01:00 CST		0	Source: River/Stream Gage
<p>Heavy rain pushed the Kickapoo River to a few hundredths of a foot over flood stage in Gays Mills.</p> <p><b>Locally heavy rains produced very minor flooding on parts of the Kickapoo River in late June.</b></p>				
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<b>BUFFALO COUNTY --- 0.7 N ALMA [44.33, -91.92]</b>	06/25/10 19:00 CST		2K	Thunderstorm Wind (EG 52 kt)
	06/25/10 19:00 CST		0	Source: Law Enforcement
<p>Thunderstorms winds blew down some trees.</p>				
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<b>BUFFALO COUNTY --- 0.5 W BUFFALO CITY [44.23, -91.86]</b>	06/25/10 19:23 CST		0	Hail (1.00 in)
	06/25/10 19:23 CST		0	Source: Public
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<b>BUFFALO COUNTY --- 0.9 SE FOUNTAIN CITY [44.12, -91.71], 0.8 SE FOUNTAIN CITY [44.12, -91.71], 0.8 SE FOUNTAIN CITY [44.12, -91.71], 0.9 SE FOUNTAIN CITY [44.12, -91.70]</b>	06/25/10 20:10 CST		0	Flood (due to Heavy Rain)
	06/25/10 22:15 CST		0	Source: Law Enforcement

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Street flooding was reported in Fountain City with eight inches of water of Highway 35.				
<b>BUFFALO COUNTY --- 0.6 N ALMA [44.33, -91.92], 0.6 N ALMA [44.33, -91.92], 0.4 ENE ALMA [44.32, -91.91], 0.3 ENE ALMA [44.32, -91.92]</b>				
	06/25/10 20:45 CST		0.15M	Flash Flood (due to Heavy Rain)
	06/26/10 00:00 CST		0	Source: Emergency Manager
Heavy rain produced a mud slide in the city of Alma that did major damage to one residence, three business, roads and utilities. Significant erosion occurred in Alma as a result of the mud slide.				
<b>LA CROSSE COUNTY --- 1.9 NE LA CROSSE [43.82, -91.22], 1.8 ENE LA CROSSE [43.81, -91.22], 1.7 ENE LA CROSSE [43.81, -91.22], 1.9 NE LA CROSSE [43.82, -91.22]</b>				
	06/25/10 20:50 CST		0	Flood (due to Heavy Rain)
	06/25/10 23:00 CST		0	Source: NWS Employee
Water was reported over the curb on both sides of Losey Boulevard reducing 5 lanes down to 2.				
<b>Severe thunderstorms developed across western and central Minnesota during the afternoon of June 25th and moved southeast with the strongest storms remaining across the central parts of Minnesota and Iowa. The storms that did move across western Wisconsin dropped heavy rain causing some flooding and also produced some wind damage and large hail.</b>				
<b>JACKSON COUNTY --- 2.1 N PLEASANT VIEW [44.30, -90.83]</b>				
	06/26/10 22:54 CST		0	Thunderstorm Wind (EG 52 kt)
	06/26/10 22:54 CST		0	Source: Law Enforcement
Thunderstorm winds were estimated to be 60 mph just east of Black River Falls.				
<b>LA CROSSE COUNTY --- 0.7 SE MIDWAY [43.92, -91.24]</b>				
	06/26/10 23:05 CST		1K	Thunderstorm Wind (EG 54 kt)
	06/26/10 23:05 CST		0	Source: Trained Spotter
A spotter measured a thunderstorm wind gust of 62 mph in the same area where the public reported a two and a half diameter tree was uprooted.				
<b>LA CROSSE COUNTY --- 0.6 E LA CROSSE [43.80, -91.24]</b>				
	06/26/10 23:08 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	06/26/10 23:08 CST		0	Source: Law Enforcement
A tree was blown down by thunderstorm winds at the intersection of 13th and Jackson streets.				
<b>LA CROSSE COUNTY --- WEST SALEM [43.90, -91.08]</b>				
	06/26/10 23:12 CST		0.25K	Thunderstorm Wind (EG 48 kt)
	06/26/10 23:12 CST		0	Source: NWS Employee
Thunderstorm winds blew several tree branches down taking out about a third of the tree. The diameter of the branches was measured at 10 inches.				
<b>MONROE COUNTY --- 0.7 N TOMAH [43.99, -90.50]</b>				
	06/26/10 23:44 CST		1K	Thunderstorm Wind (EG 48 kt)
	06/26/10 23:44 CST		0	Source: Law Enforcement
Three 5 to 7 inch diameter tree branches were blown down onto vehicles parked under the trees.				
<b>Thunderstorms developed along a nearly stationary front over western and central Minnesota during the late afternoon and early evening of the 26th. These storms then tracked east across western Wisconsin late in the evening of the 26th into the early morning hours of the 27th.</b>				