



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### ILLINOIS, Northwest

**ILZ001>002-007-009-015>018-024>026-034>035**    **Jo Daviess - Stephenson - Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - McDonough**

<b>03</b>	<b>0100CST 0800CST</b>				<b>0</b>	<b>0</b>	<b>26.4M</b>		<b>Frost/Freeze</b>
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Record breaking cold settled over the Midwest during the early morning hours of 3 May 2005. The cold was of such intensity that all time record minimums for the month of May were tied or shattered at most first order stations and many co-operative stations. Farmers that took advantage of the unseasonably mild weather during the first half of April had to replant after crops were killed off by the freeze. In some cases, crops had to be replanted even though the growing point was below the surface. This was due to the soil being a sandy loam which allowed freezing temperatures to penetrate into the ground

### **Bureau County Spring Vly**

<b>11</b>	<b>0428CST 0431CST</b>				<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind (EG61)</b>
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A downburst or weak microburst occurred over Spring Valley, Illinois and affected roughly a 3-4 block area concentrated on 2nd through 4th streets. The wind pushed over a utility pole which broke in half when a large tree branch fell on it. Shingles were torn off a few roofs with a tree snapped off at its base. At one residence, a wooden fence was blown over.

Thunderstorms developed in a semi-moist atmosphere north of a stationary front across Southern Iowa and Central Illinois. The storms evolved into a mesoscale line that developed a small bow as it moved through East Central Iowa. The bow continued across the Mississippi and into North Central Illinois.

### **Whiteside County 2.8 S Rock Falls**

<b>19</b>	<b>1434CST</b>				<b>0</b>	<b>0</b>	<b>200K</b>		<b>Lightning</b>
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Lightning struck the chimney of the Montmorency School south of Rock Falls while students were being dismissed for the day. Luckily the chimney was located in the back of the school and the school bus boarding area is in the front so there were no injuries. The chimney had to be toppled by a wrecking company that evening for safety reasons. Repairs from the lightning strike and subsequent damage to part of the roof and a boiler were briefly put on hold when asbestos was discovered in the damaged area.

### **Stephenson County Lake Summerset**

<b>19</b>	<b>1534CST 1535CST</b>				<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
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Thunderstorms developed in a semi moist atmosphere along a cold front and occluded front in Northwest Illinois. A lone storm became strong enough to produce nickel hail in northeast Stephenson County. An hour earlier, a lightning strike severely damaged a chimney at a school south of Rock Falls, Illinois as students were being dismissed for the day

### IOWA, East Central and Southeast

**IAZ040>042-051>054-063>068-076>078-087>089-098>099**    **Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton - Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee**

<b>03</b>	<b>0100CST 0800CST</b>				<b>0</b>	<b>0</b>	<b>10.2M</b>		<b>Frost/Freeze</b>
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Record breaking cold settled over the Midwest during the early morning hours of 3 May 2005. The cold was of such intensity that all time record minimums for the month of May were tied or shattered at most first order stations and many co-operative stations.



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### IOWA, East Central and Southeast

Farmers that took advantage of the unseasonably mild weather during the first half of April had to replant after crops were killed off by the freeze. In some cases, crops had to be replanted even though the growing point was below the surface. This was due to the soil being a sandy loam which allowed freezing temperatures to penetrate into the ground.

#### **Muscatine County**

**1.5 N Muscatine**

10	2353CST 2354CST				0	0			<b>Hail(0.88)</b>
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#### **Linn County**

**Cedar Rapids**

11	0025CST 0125CST				0	0			<b>Heavy Rain</b>
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1 inch in the past hour.

#### **Scott County**

**Davenport**

11	0102CST 0130CST				0	0			<b>Heavy Rain</b>
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1 inch in 28 minutes.

#### **Iowa County**

**Amana**

11	0119CST 0125CST				0	0	0.50K		<b>Thunderstorm Wind (EG52)</b>
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Branches down

#### **Linn County**

**4 SSW Fairfax**

11	0122CST 0126CST				0	0	2K		<b>Thunderstorm Wind (EG52)</b>
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Location is 2 miles southeast of Walford, Iowa. Co-op observer reported several large trees down and a corn crib damaged. The trees were partially or fully rotten. The estimated 52 knots (60 mph) was based on a measured gust of 49 knots (56 mph) at 0135 CST from the KCID ASOS 5 miles to the east northeast and KDVN 88D velocities indicating 50 to 55 knots (58 to 63 mph) in the bow section.

#### **Johnson County**

**1.2 S Swisher**

11	0132CST 0139CST				0	0	4K		<b>Thunderstorm Wind (EG52)</b>
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Large sliding doors blown in with a utility pole down.

#### **Cedar County**

**West Branch**

11	0200CST 0205CST				0	0	1K		<b>Thunderstorm Wind (EG52)</b>
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#### **Scott County**

**2.5 S Dixon**

11	0235CST 0239CST				0	0	0.50K		<b>Thunderstorm Wind (EG52)</b>
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several limbs down from a live maple.

#### **Muscatine County**

**2 N Muscatine**

11	0240CST				0	0	1K		<b>Thunderstorm Wind (MG53)</b>
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From Co-op observer.

Thunderstorms developed in a semi-moist atmosphere north of a stationary front across Southern Iowa and Central Illinois. The storms evolved into a mesoscale line that developed a small bow as it moved through East Central Iowa. The bow continued across the Mississippi and into North Central Illinois.

#### **Henry County**

**Wayland to  
1 E Wayland**

12	2154CST 2157CST				0	0	5K		<b>Thunderstorm Wind (EG52)</b>
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Downburst occurred over and immediately east of Wayland, Iowa. Several trees were downed including some that were 14 inches in diameter. One tree in town spared a direct hit on a house but took out the porch.



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### IOWA, East Central and Southeast

#### Linn County

Cedar Rapids	12	2222CST 2226CST			0	0	0.50K		Thunderstorm Wind (MG54)
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Downburst occurred a few miles northeast of KCID but was caught by an IDOT RWIS on U.S. 30 just west of Interstate 380.

A squall line developed in a semi-moist atmosphere north of a warm front that was in far northern Missouri. Peak wind gust speeds associated with the squall line were generally in the 30 to 40 knot range (35 to 46 mph). Two severe downbursts occurred in Cedar Rapids and Wayland.

#### IAZ063

#### Iowa

13	0754CST				0	0	5K		Flood
23	0820CST								

Affected agricultural land

A heavy rain event of 1 to 2.5 inches occurred on May 10th-14th in central Iowa. This resulted in minor agricultural flooding on the Iowa River around Marengo.

#### Dubuque County

2 WNW Peosta to  
2 SW Peosta

27	1533CST 1541CST				0	0			Hail(0.75)
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Mainly 0.50 to 0.70 inch hail

A weak upper level disturbance produced scattered showers and thunderstorms in a near semi-dry atmosphere across northeast Iowa. A low freezing level aloft allowed storms to be prolific hail producers. A lone storm became strong enough to produce a swath of mainly 0.50 to 0.70 inch hail near Peosta, Iowa.

### MISSOURI, Northeast

#### MOZ009>010

#### Scotland - Clark

03	0100CST 0800CST				0	0	2.6M		Frost/Freeze
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