



# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

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

### OKLAHOMA, Western, Central and Southeast

<b>Logan County</b>									
Orlando	02	1450CST			0	0			Hail (1.00)
<b>Noble County</b>									
Perry	02	1507CST			0	0			Hail (0.75)
<b>Noble County</b>									
7 SE Red Rock to 8 ESE Red Rock	02	1545CST 1547CST	1	25	0	0	0		Tornado (F0)
<b>Noble County</b>									
3 N Billings	02	1705CST			0	0			Hail (1.75)
<b>Kay County</b>									
Tonkawa	02	1715CST			0	0			Hail (0.75)
<b>Kay County</b>									
3 W Tonkawa	02	1723CST			0	0			Hail (0.88)
<b>Beckham County</b>									
.5 E Mayfield	02	1810CST			0	0			Hail (1.00)
<b>Roger Mills County</b>									
9 ENE Sweetwater	02	1830CST			0	0			Hail (0.88)
<b>Roger Mills County</b>									
8 S Hammon	02	1850CST			0	0	20K		Hail (2.75)
<b>Roger Mills County</b>									
8 S Hammon	02	1850CST			0	0			Thunderstorm Wind (G52)
<b>Beckham County</b>									
Texola	02	1851CST			0	0			Hail (2.00)
<b>Harmon County</b>									
3 NW Vinson	02	1900CST			0	0			Hail (0.75)
<b>Kay County</b>									
Newkirk	02	1900CST			0	0			Hail (1.00)
<b>Custer County</b>									
Foss Res	02	1907CST	0.3	25	0	0	0.10K		Tornado (F0)
<b>Kay County</b>									
12 E Blackwell	02	1920CST			0	0			Hail (0.88)
Hail was reported near the intersection of Highway 77 and Highway 11.									
<b>Harmon County</b>									
7 ENE Vinson to 7.5 ENE Vinson	02	1925CST 1928CST	0.5	150	0	0	0		Tornado (F0)
<b>Greer County</b>									
8 SW Bloomington to 2 WNW Bloomington	02	1928CST 1950CST	7	150	0	0	40K		Tornado (F1)
<b>Kay County</b>									
Newkirk	02	1928CST			0	0			Hail (0.88)
Hail reported on the east side of Newkirk.									
<b>Kay County</b>									
2 NE Tonkawa	02	1945CST			0	0	0		Flood
<b>Kay County</b>									
Ponca City	02	2000CST			0	0	0		Flood
<b>Greer County</b>									
4 NW Willow to 5 NNW Willow	02	2013CST 2021CST	2	50	0	0	50K		Tornado (F1)



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					Killed	Injured	Property	Crops	
<b>Beckham County</b> 7 SSW Carter to 2 SW Carter	02	2021CST 2027CST	4	50	0	0	1K		Tornado (F0)
<b>Beckham County</b> 15 S Elk City	02	2035CST			0	0			Hail (1.75)
<b>Roger Mills County</b> 1 S Reydon	02	2045CST			0	0			Hail (0.75)
<b>Washita County</b> Burns Flat	02	2050CST			0	0			Hail (0.75)
<b>Washita County</b> Dill City	02	2050CST 2052CST	1	25	0	0	35K		Tornado (F1)
<b>Washita County</b> Burns Flat	02	2051CST			0	0			Hail (1.00)
<b>Washita County</b> .5 N Burns Flat	02	2100CST			0	0			Hail (1.50)
<b>Dewey County</b> Taloga	02	2110CST			0	0			Hail (0.75)
<b>Custer County</b> 2 W Custer City	02	2115CST			0	0			Hail (1.75)
<b>Washita County</b> 4 W Canute	02	2115CST			0	3	30K		Thunderstorm Wind
<b>Washita County</b> Canute	02	2115CST			0	0	1K		Thunderstorm Wind
<b>Dewey County</b> 4 SE Seiling	02	2118CST			0	0			Hail (0.88)
<b>Major County</b> 5 SE Chester	02	2120CST			0	0			Hail (0.88)
<b>Roger Mills County</b> 5 ESE Roll	02	2130CST			0	0			Hail (0.88)
<b>Custer County</b> 4 N Arapaho	02	2140CST			0	0			Hail (2.50)
<b>Custer County</b> 4 W Custer City	02	2154CST			0	0			Hail (3.00)
<b>Custer County</b> 2 N Custer City	02	2155CST	0.1	10	0	0	5K		Tornado (F0)
<b>Custer County</b> Butler	02	2200CST			0	0	1K		Thunderstorm Wind
<b>Dewey County</b> Taloga	02	2240CST			0	0			Hail (0.75)
<b>Harmon County</b> 3 W Gould	02	2305CST			0	0			Thunderstorm Wind (G72)
<b>Roger Mills County</b> 1 NNW Cheyenne	02	2330CST			0	0			Thunderstorm Wind (G52)
<b>Woodward County</b> Mutual	02	2345CST			0	0			Hail (1.00)
<b>Kiowa County</b> Mountain View	03	0020CST			0	0	0.10K		Thunderstorm Wind



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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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### OKLAHOMA, Western, Central and Southeast

<b>Canadian County</b> <b>Piedmont</b>	<b>03</b>	<b>0120CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind</b>
<b>Garfield County</b> <b>Carrier</b>	<b>03</b>	<b>0120CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
<b>Kingfisher County</b> <b>Kingfisher</b>	<b>03</b>	<b>0125CST 0135CST</b>			<b>0</b>	<b>0</b>	<b>45K</b>		<b>Thunderstorm Wind (G66)</b>
<b>Major County</b> <b>5 E Meno</b>	<b>03</b>	<b>0130CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Payne County</b> <b>Perkins</b>	<b>03</b>	<b>0210CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind</b>
<b>Noble County</b> <b>2 SE Marland</b>	<b>03</b>	<b>0225CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G52)</b>
<b>Payne County</b> <b>8 SE Glencoe</b>	<b>03</b>	<b>0225CST</b>			<b>0</b>	<b>0</b>	<b>12K</b>		<b>Thunderstorm Wind</b>
<b>Kay County</b> <b>Ponca City</b>	<b>03</b>	<b>0240CST</b>			<b>0</b>	<b>0</b>	<b>40K</b>		<b>Thunderstorm Wind</b>
<b>Lincoln County</b> <b>Meeker</b>	<b>03</b>	<b>0300CST</b>			<b>0</b>	<b>0</b>	<b>8K</b>		<b>Thunderstorm Wind</b>

Severe thunderstorms affected much of western and central Oklahoma from the afternoon of the 2nd through the early morning of the 3rd. Six tornadoes were confirmed, 5 of which occurred in west-central and southwest Oklahoma. There were also numerous reports of large hail and damaging straight-line winds. The first tornado developed in Noble County at 1545 CST and was witnessed by a member of the Noble County Sheriff's Department who said it developed a short distance southwest of the Cimarron Turnpike near Sooner Lake. The tornado then moved across the highway and quickly dissipated over the western edge of Sooner Lake. No damage was reported with this tornado (F0). The Butler Fire Department and 2 nearby homeowners witnessed the 2nd tornado, an F0, develop near Foss Lake in Custer County knocking down large tree limbs. Local media witnessed the 3rd tornado touching down about 8 miles southwest of Bloomington in Greer County near the Harmon/Greer County line. The tornado, an F1, tracked to the northeast for 7.5 miles, damaging barns, grain storage bins, and Quonset hut-type buildings. The 4th tornado, an F1, was witnessed by several people developing near the Greer/Beckham County border and tracking northeast for nearly 6 miles before dissipating about 2 miles southwest of Carter in Beckham County. Damage was mainly confined to near US 283, near the beginning of the tornado path. Grain silos and a barn were damaged; an ostrich building was unroofed, and tractor windows were broken. Minor roof damage also occurred to a house. Little or no damage was observed in Beckham County. The 5th tornado, rated an F1, developed on the west side of Dill City in Washita County and ripped most of the roof off a well-constructed brick home. A storage shed in the neighbor's yard was destroyed, and numerous trees and power lines were downed. The 6th and last tornado was witnessed by a Custer County Sheriff's Deputy touching down briefly in a wheat field 2 miles north of Custer City, with no significant damage (F0).

In addition to the tornadoes, baseball-size hail fell in Roger Mills County 8 miles south of Hammon. Several mobile homes were severely damaged. Two semis were blown over on Interstate 40 four miles west of Canute in Washita County near mile marker 42. Three people were treated for minor injuries. Power poles were also blown down in Canute, and in Butler, which is in Custer County. Numerous trees were blown down in Mountain View in Kiowa County, while minor roof damage occurred to several buildings on Monroe Ave. and Piedmont Rd. in Piedmont in Canadian County. Power poles, signs, and a barn were also damaged in Piedmont. In Kingfisher in Kingfisher County, 6 mobile homes were damaged in the Major Home Park; 3 barns and a chicken house were destroyed; numerous pine trees were downed; 3 pine trees were snapped behind Southside Auto; power was knocked out for 3 hours; extensive tree damage occurred in the park; a golf cart storage building sustained roof damage; portable corrals were blown over on Lemon Rd, and numerous billboard signs were blown down. A few homes were damaged, and a tree was downed in Perkins in Payne County. Also in Payne County, 8 miles southeast of Glencoe, 3 outbuildings and pick-up trailer were destroyed; a trampoline was blown away; trees were downed, and minor damage occurred to roof shingles. A metal barn and fence were destroyed, and 3 power poles were downed in Meeker in Lincoln County, while in Ponca City in Kay County a roof was blown off a building; 4 power poles were downed; and windows were broken on West Grand Ave. and North Second Street; numerous traffic signals were blown down, one onto a car, and numerous homes received minor roof damage. A woman also received minor injuries when she stepped on a piece of broken glass.

Minor flooding occurred 2 miles northeast of Tonkawa in Kay County, where the intersection of Highway 70 and Highway 177 was flooded, and also in Ponca City, also in Kay County, where the intersection of Waverly and Hubbard was closed due to high water.



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### OKLAHOMA, Western, Central and Southeast

Bryan County 4 W Durant	03	0600CST			0	0			Hail (0.88)
Bryan County Calera	03	0650CST			0	0			Hail (1.00)
Bryan County Colbert	03	0705CST			0	0			Hail (1.25)
Bryan County Calera	03	0713CST			0	0			Hail (1.75)
Bryan County Durant	03	0713CST			0	0			Hail (1.75)
Atoka County Caney	03	0910CST			0	0			Hail (0.75)
Bryan County West Portion	03	1000CST 1200CST			0	0	50K		Flood

Numerous thunderstorms occurred across portions of Bryan and Atoka Counties during the early morning of the 3rd. In addition to large hail, between 4 and 5 inches of rain fell across western Bryan County. Two homes in Durant and a nursing home in Colbert were flooded. The southbound lane of Highway 69/75 between the Choctaw Travel Plaza and Calera was also closed due to high water.

Marshall County 7 SW Kingston	04	1715CST			0	0			Hail (0.75)
Harper County 8 SW Laverne	04	2350CST			0	0			Hail (0.88)
Harper County 7 NE Buffalo	05	0105CST			0	0			Hail (0.75)
Greer County Mangum	05	0130CST			0	0	0.10K		Thunderstorm Wind
Woodward County Mooreland	05	0140CST			0	0			Thunderstorm Wind (G61)
Woods County 12 W Alva	05	0215CST			0	0	4K		Thunderstorm Wind
Woodward County Mutual	05	0215CST			0	0			Hail (1.00)
Washita County Burns Flat	05	0220CST			0	0			Thunderstorm Wind (G52)
Washita County 5 SW Dill City	05	0220CST			0	0	0.20K		Thunderstorm Wind
Washita County Dill City	05	0220CST			0	0	3K		Thunderstorm Wind
Woods County 7 W Alva	05	0220CST			0	0	0.50K		Thunderstorm Wind
Woodward County Belva	05	0230CST			0	0	0.01K		Thunderstorm Wind
Woodward County Mooreland	05	0230CST			0	0	8K		Thunderstorm Wind
Alfalfa County 6 WSW Cherokee to 4.5 N Cherokee	05	0315CST 0322CST	7	200	0	0	60K		Tornado (F1)



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### OKLAHOMA, Western, Central and Southeast

<b>Alfalfa County</b> Ingersoll	05	0320CST			0	0	15K		Thunderstorm Wind
<b>Major County</b> 4 N Ames	05	0407CST			0	0	0		Thunderstorm Wind
<b>Major County</b> 4 NNE Ames	05	0410CST	0.1	25	0	0	0		Tornado (F0)
<b>Alfalfa County</b> 5 NE Cherokee	05	0415CST			0	0	5K		Thunderstorm Wind
<b>Grant County</b> 6 W Wakita	05	0420CST			0	0	0.50K		Thunderstorm Wind
<b>Alfalfa County</b> Amorita	05	0426CST			0	0	10K		Thunderstorm Wind
<b>Garfield County</b> 2 N Carrier	05	0430CST	0.1	25	0	0	0		Tornado (F0)
<b>Garfield County</b> 2 N Carrier	05	0445CST			0	0	0.50K		Thunderstorm Wind
<b>Grant County</b> 8 SSW Wakita to 5 S Wakita	05	0450CST 0453CST	3	100	0	0	12K		Tornado (F0)
<b>Mcclain County</b> Blanchard	05	0450CST			0	0			Hail (0.75)
<b>Grant County</b> 7 S Wakita	05	0455CST			0	0	10K		Thunderstorm Wind
<b>Mcclain County</b> 10 SW Purcell to 8 W Purcell	05	0503CST 0506CST	3	15	0	0	40K		Tornado (F1)
<b>Grant County</b> 12 NW Medford	05	0510CST			0	0	5K		Thunderstorm Wind
<b>Garvin County</b> 1 N Pauls Valley	05	0533CST			0	0			Hail (1.00)
Hail was reported on Interstate 35.									
<b>Pottawatomie County</b> 1 SW Mc Loud	05	0545CST			0	0	10K		Thunderstorm Wind
<b>Garvin County</b> Wynnewood	05	0550CST			0	0	20K		Thunderstorm Wind
<b>Carter County</b> Ardmore	05	0558CST			0	0	10K		Thunderstorm Wind (G58)
<b>Hughes County</b> Holdenville	05	0645CST			0	0	40K		Thunderstorm Wind

A long line of thunderstorms moved east across most of western and central Oklahoma during the early morning of the 5th resulting in widespread straight-line damage and 5 tornadoes. Severe thunderstorms first developed in Magnum in Greer County where large tree limbs were blown down. In Woods County trees were downed 12 miles west of Alva near the intersection of Highway 64 and Highway 14. In addition, power poles were snapped; house roofs and barns were damaged, and sheds were blown over. Power lines were also downed 7 miles west of Alva. In Washita County many house roofs were damaged in Dill City, and power lines were downed 5 miles southwest of Dill City. In Woodward County large tree limbs were downed in Belva, while in Mooreland a camper trailer was destroyed; fences and tree limbs were blown down, and numerous vehicles were damaged.

A survey conducted by the National Weather Service concluded that an F1 tornado touched down 6 miles west-southwest of Cherokee in Alfalfa County and tracked northeast for 7 miles before dissipating about 4 miles north of Cherokee. Two hay storage barns and another storage barn at a feedlot were destroyed, and a large irrigation system was destroyed. Also in Alfalfa County a haybarn was destroyed in Ingersoll; the roof was ripped off of a boat house, and another house received minor roof damage. Large



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### OKLAHOMA, Western, Central and Southeast

power poles were blown down 5 miles northeast of Cherokee, and a barn was blown down in Amorita, also in Alfalfa County. Another tornado was confirmed by a National Weather Service survey 4 miles north-northeast of Ames in Major County. This tornado, rated an F0, touched down in an open field with no known damage. The same thunderstorm that produced this tornado was also responsible for straight-line winds which blew a moving vehicle off the road 4 miles north of Ames.

A tornado also developed 2 miles north of Carrier in Garfield County, but no damage (F0) was observed as it touched down briefly in an open field. Another tornado, 3rd of the day, touched down about 8 miles south-southwest of Wakita in Garfield County and tracked northeast to about 5 miles south of Wakita. One sheet metal/wood frame hay storage barn was destroyed, and another was damaged. A truck was damaged, and tree limbs were blown down. The weak nature of the structures damaged or destroyed by this tornado warranted an F0 intensity rating. In addition to the tornado damage in Garfield County, straight-line wind damage was observed 2 miles north of Carrier where road signs were blown over, 7 miles south of Wakita where a shed was destroyed; a barn was blown over; a truck was damaged, and a few homes suffered roof and window damage, and 12 miles northwest of Medford where a semi was blown over, while in Grant County straight-line winds blew down power lines 6 miles west of Wakita.

As the line of thunderstorms continued to move east across portions of central Oklahoma, another tornado, an F1, developed in McClain County about 1 mile south of the intersection of Highway 59 and Highway 39, and moved northeast for 3 miles before dissipating. The most significant damage occurred near the intersection of Highway 39 and Youth Camp Road where the roof of a medium-sized house was severely damaged; 2 barns were destroyed, and a travel trailer was blown over onto a nearby car. In Pottawatomie County 1 mile southwest of McLoud a gazebo was destroyed, and a metal barn was damaged. Large tree limbs and a chainlink fence were also blown down, while in Wynnewood in Garvin County a barn was destroyed, and the roof of a horse barn was blown off; numerous trees and power poles were downed, and many homes received minor roof and structural damage. Severe thunderstorm winds also damaged a hangar and aircraft at the Ardmore Regional Airport in Ardmore in Carter County, while widespread damage occurred in Holdenville in Hughes County. Three homes received major damage, while 143 other homes received minor damage. Trees, power lines, and a radio tower were blown down, and at least one vehicle was damaged.

**OKZ017**

**Blaine**

<b>05</b>	<b>0900CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>High Wind</b>
	<b>1700CST</b>						

West winds blew between 30 and 40 mph with gusts over 50 mph during the late morning and afternoon of the 5th. The metal roof from West Main Auto in Watonga blew off and fell onto many parked vehicles.

**Pottawatomie County**

**Mc Loud**

<b>12</b>	<b>0800CST</b>			<b>0</b>	<b>0</b>	<b>0.20K</b>	<b>Lightning</b>
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Lightning struck the security fence at the Central Oklahoma Correctional Facility, knocking out power to the fence for a few hours.

**Canadian County**

**Yukon**

<b>13</b>	<b>0945CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>Lightning</b>
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Lightning started a large house fire in the 200 block of Klondike damaging the attic and parts of the roof.

**Ellis County**

**Shattuck**

<b>13</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
	<b>1202CST</b>						

**Ellis County**

**9 NNW Gage**

<b>13</b>	<b>1210CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
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**Ellis County**

**Gage**

<b>13</b>	<b>1215CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.75)</b>
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**Ellis County**

**Fargo**

<b>13</b>	<b>1225CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.75)</b>
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**Woodward County**

**3 W Woodward**

<b>13</b>	<b>1230CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.75)</b>
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**Woodward County**

**7 NW Woodward**

<b>13</b>	<b>1235CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.00)</b>
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**Woodward County**

**Mooreland**

<b>13</b>	<b>1253CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.75)</b>
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**Woods County**

**16 SE Waynoka**

<b>13</b>	<b>1305CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
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**Woods County**

**4 NNE Waynoka**

<b>13</b>	<b>1335CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
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					Killed	Injured	Property	Crops	

### OKLAHOMA, Western, Central and Southeast

<b>Woodward County</b>									
Woodward	13	1335CST			0	0			Hail (0.75)
<b>Garfield County</b>									
Garber	13	1341CST			0	0			Hail (0.88)
<b>Alfalfa County</b>									
Cherokee	13	1430CST			0	0			Hail (0.88)
<b>Major County</b>									
9 NW Orienta	13	1455CST			0	0			Hail (1.75)
<b>Woods County</b>									
18 SE Waynoka	13	1455CST			0	0			Hail (1.75)
<b>Alfalfa County</b>									
Helena	13	1532CST			0	0			Hail (0.75)
<b>Kay County</b>									
Kildare	13	1554CST			0	0			Hail (0.88)
<b>Grant County</b>									
Pond Creek	13	1610CST			0	0			Hail (0.75)
<b>Grant County</b>									
Jefferson	13	1615CST			0	0			Hail (0.75)
<b>Dewey County</b>									
8 N Leedey	13	1713CST			0	0			Hail (0.75)
<b>Dewey County</b>									
8 N Leedey	13	1713CST			0	0			Thunderstorm Wind (G52)
<b>Harmon County</b>									
3 NE Madge	13	1800CST			0	0			Hail (0.75)
<b>Alfalfa County</b>									
North Portion	13	1935CST 2135CST			0	0	50K		Flood
<b>Grant County</b>									
Northwest Portion	13	1948CST 2148CST			0	0	2K		Flood

Numerous thunderstorms developed across portions of northwest and north central Oklahoma during the afternoon and early evening of the 13th. In addition to numerous reports of large hail, flooding was reported across portions of Alfalfa and Grant Counties. Between 3 and 4 inches of rain fell across northern Alfalfa County resulting in flooding and many road closings in and around Cherokee. Highway 64 heading west out of Cherokee was water covered and closed in spots. Highway 64 east of Cherokee and Highway 11 south of Cherokee became water covered as well, while in Grant county Highway 132 was covered by high water 1 mile south of Manchester.

**OKZ004>007-009>010**

**Harper - Woods - Alfalfa - Grant - Ellis - Woodward**

14	0900CST 2100CST			0	0	100K			Flood
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Between 3 and 6 inches of rain fell across much of northwest and north central Oklahoma during the morning and afternoon of the 14th, resulting in flooding. The worst flooding occurred in northern Alfalfa County near Cherokee, Byron, Driftwood, and Burlington were localized rainfall amounts exceeded 7 inches. Cottonwood Canyon Bridge on N. Grand in Cherokee was flooded, and many rivers and creeks in northern Alfalfa County including Medicine River, Driftwood Creek and Stinky Creek flowed out of their banks. Eagle Chief Creek southwest of Dacoma in Woods County and Willow Creek 3 miles east of Highway 183 in northeast Harper County also overflowed their banks. Also in Harper County, a road north of Selmen and a county road near Willow Creek were closed due to high water. In Woodward County, Highway 132 south of Manchester to Highway 11 was water covered and closed in spots; Highway 81 in Jefferson was impassible due to high water and was closed around 1500 CST; a pond dam near Woodward broke, flooding the intersection of Hank's Trail and Spring Valley Dr; a county road on the east end of Lawsuit Lake was flooded north of Quinlan; Highway 412 west of Mooreland was covered with water, and the Mooreland City Park was flooded.

**Ellis County**  
12 NNW Fargo

14	1500CST			0	0	1.5K			Lightning
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# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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### OKLAHOMA, Western, Central and Southeast

#### Woodward County

Ft Supply	14	1530CST			0	0	2K		Lightning
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Lightning struck 3 cattle in far northwest Ellis County killing them, and also a house in Fort Supply in Woodward County causing electrical damage.

#### Logan County

Guthrie	14	1550CST			0	0			Hail (1.00)
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#### Logan County

Meridian	14	1615CST			0	0			Hail (0.75)
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OKZ004>040-042-044>045-052

Harper - Woods - Alfalfa - Grant - Kay - Ellis - Woodward - Major - Garfield - Noble - Roger Mills - Dewey - Custer - Blaine - Kingfisher - Logan - Payne - Beckham - Washita - Caddo - Canadian - Oklahoma - Lincoln - Grady - McClain - Cleveland - Pottawatomie - Seminole - Hughes - Harmon - Greer - Kiowa - Jackson - Tillman - Comanche - Stephens - Garvin - Pontotoc - Cotton - Jefferson - Bryan

14		1700CST			0	0	56.5K		High Wind (G64)
15		0500CST							

North winds between 40 and 50 mph with gusts over 60 mph affected most of western and central Oklahoma from the evening of the 14th through the early morning of the 15th. Trees were downed and power outages were reported in Buffalo in Harper County. Power outages occurred in Alva in Woods County. Trees were downed in Alfalfa County. Also in Alfalfa County, many house roofs received minor damage, and television antennas were blown down. Tree limbs were blown down, and many house roofs received shingle damage in Erick in Beckham County. Trees were downed 10 miles west of Watonga in Blaine County. A roof was blown off a mobile home and power outages were reported in Vici in Dewey County. Power poles and large tree limbs were downed in Shattuck in Ellis County. A tractor trailer rig was blown over on Interstate 40 just west of Clinton in Custer County. Power lines and large tree limbs were blown down in Roger Mills County. Downed tree limbs and power outages were recorded in Cordell in Washita County. Trees were downed in Woodward County. A house received minor damage, and large tree limbs were downed in Ringwood in Major County. In Kay County, power lines were downed; a baseball stop was blown over; large tree limbs were downed; and roof shingles were missing from many houses. One tree was blown over, and roof shingles were missing from houses in Harmon County. In Greer County, tree limbs were downed, and 40 residents were left without power. Tree limbs were downed in Kiowa County. Trees were downed in Geronimo and Lawton in Comanche County. In Grady County, a tree was blown over onto a mobile home resulting in minor damage; another tree fell across Highway 277 west of US 81; power outages also occurred in some areas for 3 hours. In Caddo County, a power pole was downed in Ceril, and parts of Gracemont were without power for several hours. A tree fell across Chestnut St. on the east side of Duncan in Stephens County at 2000 CST. Parts of Ringling in Jefferson County were left without power. Large tree limbs were downed in Garvin County. Tree limbs were downed, and scattered power outages occurred 5 miles west of Dibble in McClain County. A fence was blown down at 14th and Broadway in Ada in Pontotoc County. Large tree limbs were blown down and fell on a parked van in Calera in Bryan County. One tree fell across a road in Cromwell in Seminole County. Several fences and one tree were blown down in Norman in Cleveland County. Power lines were downed at 2038 CST in Yukon in Canadian County. Large tree limbs were downed in Kingfisher in Kingfisher County. Power lines were downed in Edmond in Oklahoma County leaving 3500 people without power for several hours. Large tree limbs were downed in Guthrie in Logan County, and one tree was downed in Perkins in Payne County.

#### Oklahoma County

Oklahoma City	16	1500CST			0	0	2.5K		Lightning
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Lightning struck a home on SW 81st. causing minor damage.

#### Greer County

Hester	20	1600CST			0	0	4K		Dust Devil
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Several people watched a dust devil destroy a tent and cause significant damage to a barn roof.

#### Jackson County

5 SE Elmer	21	1640CST			0	0			Hail (1.00)
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#### Tillman County

3 SE Tipton	21	1645CST			0	0			Hail (0.88)
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#### Tillman County

Manitou	21	1658CST			0	0			Hail (1.00)
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#### Alfalfa County

Goltry	21	1701CST			0	0			Hail (1.00)
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#### Jackson County

11 NE Altus	21	1704CST			0	0			Hail (0.75)
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# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

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

### OKLAHOMA, Western, Central and Southeast

<b>Grant County</b>									
2 W Medford	21	1709CST			0	0			Hail (0.75)
<b>Kiowa County</b>									
Mountain Park	21	1711CST			0	0			Hail (1.00)
<b>Major County</b>									
4 NNW Ringwood	21	1720CST			0	0			Hail (1.75)
<b>Comanche County</b>									
11 NNW Indiahoma	21	1725CST			0	0			Hail (1.00)
<b>Grant County</b>									
Nash	21	1730CST			0	0			Hail (1.00)
<b>Garfield County</b>									
4 WSW Carrier to 4 NE Carrier	21	1745CST 1805CST	8.5	500	0	0	1.5M		Tornado (F2)
<b>Kiowa County</b>									
3 SSE Cooperton	21	1745CST			0	0			Hail (0.75)
<b>Comanche County</b>									
8 N Indiahoma	21	1750CST			0	0			Hail (0.75)
<b>Alfalfa County</b>									
Goltry	21	1800CST			0	0			Hail (2.75)
<b>Garfield County</b>									
3 ENE Carrier to 8 NE Carrier	21	1802CST 1815CST			0	0	2K		Thunderstorm Wind
<b>Garfield County</b>									
7 N Enid	21	1810CST			0	0			Hail (1.75)
<b>Garfield County</b>									
1.5 W Kremlin	21	1822CST			0	0			Hail (1.50)
<b>Garfield County</b>									
2 W Kremlin	21	1823CST			0	0	10K		Thunderstorm Wind
<b>Garfield County</b>									
Kremlin	21	1829CST			0	0			Hail (2.75)
<b>Grant County</b>									
2 E Salt Fork	21	1845CST			0	0			Hail (0.75)
<b>Major County</b>									
3 NNE Meno	21	1845CST			0	0			Hail (1.00)
<b>Blaine County</b>									
Canton	21	1857CST			0	0			Hail (1.00)
<b>Garfield County</b>									
1 WNW Vance Afb	21	1858CST	0.1	25	0	0	0.50K		Tornado (F0)
<b>Garfield County</b>									
Hillsdale	21	1900CST			0	0			Hail (0.75)
<b>Grant County</b>									
4 NW Medford	21	1900CST			0	0			Hail (0.75)
<b>Garfield County</b>									
Enid	21	1905CST			0	0	0.50K		Thunderstorm Wind
<b>Garfield County</b>									
Vance Afb	21	1915CST			0	0			Thunderstorm Wind (G72)
<b>Major County</b>									
Ames	21	1917CST			0	0			Hail (1.75)



# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

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

### OKLAHOMA, Western, Central and Southeast

<b>Garfield County</b>									
Enid	21	1922CST			0	0			Hail (1.75)
<b>Dewey County</b>									
Oakwood	21	1930CST			0	0			Hail (1.00)
<b>Noble County</b>									
Billings	21	1940CST			0	0			Hail (0.75)
<b>Garfield County</b>									
Waukomis	21	1955CST			0	0			Hail (1.00)
<b>Noble County</b>									
1 NE Billings to 6 ENE Billings	21	2007CST 2017CST	5	50	0	1	30K		Tornado (F1)
<b>Kay County</b>									
5 S Tonkawa	21	2013CST			0	0			Hail (0.75)
Hail was reported on Interstate 35 on the Kay/Noble County line.									
<b>Noble County</b>									
4 N Billings	21	2013CST			0	0			Hail (0.75)
Hail was reported on Interstate 35 on the Kay/Noble County line.									
<b>Noble County</b>									
4 WNW Marland	21	2014CST			0	0			Hail (0.75)
<b>Blaine County</b>									
Canton	21	2017CST			0	0			Hail (1.00)
<b>Blaine County</b>									
Southard	21	2020CST			0	0			Hail (0.75)
<b>Kingfisher County</b>									
6 W Lacey	21	2030CST			0	0	2K		Hail (1.75)
<b>Noble County</b>									
Lucien	21	2031CST			0	0			Hail (0.75)
<b>Blaine County</b>									
Canton	21	2036CST			0	0			Hail (1.00)
<b>Kingfisher County</b>									
16 W Hennessey	21	2041CST			0	0			Hail (1.75)
<b>Noble County</b>									
Perry	21	2041CST			0	0			Hail (0.75)
<b>Kingfisher County</b>									
16 W Hennessey	21	2044CST			0	0	10K		Hail (2.50)
<b>Kingfisher County</b>									
5 WSW Lacey	21	2046CST			0	0			Hail (2.50)
<b>Garfield County</b>									
Hayward	21	2100CST			0	0			Hail (0.75)
<b>Kingfisher County</b>									
7 SW Hennessey	21	2108CST			0	0			Hail (2.75)
<b>Kingfisher County</b>									
3 SSW Hennessey	21	2117CST			0	0			Hail (1.75)
<b>Kingfisher County</b>									
3 SSW Hennessey	21	2117CST			0	0			Thunderstorm Wind (G52)
<b>Kingfisher County</b>									
Hennessey	21	2120CST			0	0	1M		Hail (2.75)



# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

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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### OKLAHOMA, Western, Central and Southeast

<b>Kingfisher County</b>									
Hennessey	21	2132CST			0	0			Hail (0.75)
<b>Noble County</b>									
Lucien	21	2140CST			0	0			Hail (0.75)
<b>Logan County</b>									
Marshall	21	2146CST			0	0			Hail (0.75)
<b>Kingfisher County</b>									
Hennessey	21	2157CST			0	0			Hail (0.88)
<b>Payne County</b>									
8 NNW Stillwater	21	2214CST			0	0			Hail (1.00)
<b>Payne County</b>									
Stillwater	21	2217CST			0	0			Hail (1.00)
<b>Payne County</b>									
Stillwater	21	2217CST			0	0	5K		Thunderstorm Wind (G78)
<b>Major County</b>									
Isabella	21	2245CST			0	0			Hail (1.75)
<b>Major County</b>									
4 SW Ames	21	2250CST			0	0			Hail (1.75)
<b>Garfield County</b>									
Drummond	21	2320CST			0	0			Hail (0.88)
<b>Grant County</b>									
4 W Medford	22	0205CST			0	0			Hail (1.75)
<b>Grant County</b>									
Wakita	22	0215CST			0	0			Hail (1.00)

Severe thunderstorms affected parts of western and central Oklahoma from late afternoon of the 21st through the early morning of the 22nd. An F2 tornado that struck the town of Carrier in Garfield County received the most attention, however 2 other tornadoes did form, and there were many reports of damaging straight-line winds and large, destructive hail. A team of National Weather Service meteorologists surveyed the damage in and near Carrier and rated the tornado an F2. The tornado developed at 1745 CST approximately 4 miles west-southwest of Carrier. The tornado moved along a path from west-southwest to east-northeast from its starting point to Carrier. The path width was approximately 150 yards wide early in the tornado's life. At a point 2 miles southwest of Carrier F2 damage was observed. A home had its roof ripped off and two walls collapsed. As the tornado began to approach Carrier it widened to approximately 500 yards. Four homes in Carrier lost all of their roofs with all four walls standing. One older abandoned cinder block building collapsed. A school and church on the north side of Carrier suffered only minor roof or window damage. As the storm moved out of Carrier it turned to the northeast and narrowed to 200 yards. At about 2 miles northeast of Carrier one home had significant damage to its roof while another suffered minor roof damage. The tornado was rated F1 at this point. The tornado dissipated at 1805 CST about 4 miles northeast of Carrier. The combination of the tornado and straight-line winds is believed to have been responsible for the majority of damage. After the tornado dissipated, straight-line winds continued to cause some damage for several miles. Significant tree damage was noted 4 miles east northeast of Carrier which was one and a half miles south of the tornado damage path. In total 8 homes and businesses were destroyed; 14 buildings sustained major damage, while 19 others sustained minor damage. Damage is estimated at 1.5 million dollars.

Another tornado, an F0, was reported by Garfield County Emergency Management causing minor damage to roofs of 2 homes west-northwest of Vance Air Force Base. The 3rd and last tornado of the day, an F1, touched down about 1 mile northeast of Billings in Noble County and destroyed a barn and 2 outbuildings. In addition trees were blown down and several house windows were blown out; numerous farm animals were killed, and 2 semis were blown over on Interstate 35 near mile marker 207. The driver of one of the trucks was injured by broken glass. In addition to tornadoes, large and destructive hail fell in many areas including Hennessey in Kingfisher County where an unusually large amount of golf ball to baseball-size hail fell several times on the 21st causing extensive damage to vehicles, homes, and wheat crop. At least 900,000 dollars is expected to be paid out by just one insurance company which received nearly 750 claims. Among the list of hail damage reports: a pick-up truck was struck by golf ball-size hail 6 miles west of Lacey in Kingfisher County, and numerous vehicles had their windows broken by tennis ball-size hail 16 miles west of Hennessey, also in Kingfisher County.

Damaging straight-line winds were observed by the Chief of the Kremlin Fire Department in Garfield County who experienced a brief period of 70 to 80 mph winds from the northwest near the intersection of Highway 81 and Great Lakes Road 8 miles south of Kremlin. He also witnessed an old barn being blown over. Power lines were also downed on the north side of Enid in Garfield County. A wind gust of 90 mph was also observed at the Stillwater Regional Airport in Payne County, where many signs were



# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

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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### OKLAHOMA, Western, Central and Southeast

blown down.

#### Seminole County

4 N Cromwell	22	1915CST			0	0			Hail (1.00)
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#### Seminole County

5 E Seminole	22	2007CST			0	0			Hail (0.75)
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**OKZ007>008-012>013-018>020-024>028-030>032-040>043-046>047**

**Grant - Kay - Garfield - Noble - Kingfisher - Logan - Payne - Canadian - Oklahoma - Lincoln - Grady - McClain - Pottawatomie - Seminole - Hughes - Garvin - Murray - Pontotoc - Coal - Carter - Johnston**

23	2300CST				0	0	932K		Flood
26	2300CST								

Five to 7 inches of rain fell across portions of central Oklahoma from the 24th through the 26th. Local amounts of rainfall exceeded 10 inches from near Allen in Pontotoc County northeast to near Calvin in Hughes County. The worst damage from flooding occurred in Lincoln and Hughes Counties. Six county bridges were partially eroded during the flooding in Lincoln County where repair costs are estimated at a half million dollars. Bridges known to be damaged include one on SH18 near the Deep Fork River, and the Chuckaho Bridge south of Davenport. At least 2 bridges are known to have been damaged in Hughes County, one north and one south of Holdenville, where repair costs are near 300 thousand dollars. In addition to bridge damage, thousands of tons of gravel were lost and will need to be replaced. Spaulding Rd. west of Holdenville was closed on the 24th, and SH48 was closed when Little Wetumka Creek overflowed its banks. At least 10 roads are known to have been closed in Payne County during the heavy rain. These roads include SH51 west of Stillwater, Sangre Ridge south of 6th, County Club Rd. north of 6th, Western south of 12th Street, 18th St. east of Main, and Husband south of Stillwater. Two families near Stillwater also needed to be rescued by boat from their homes. In Cleveland County, heavy rain flooded the intersection of 24th Ave NE and Franklin Road, where a woman needed to be rescued from her car which was stranded in chest high water. In Ardmore in Carter County numerous cars became stranded in high water on Sam Noble Parkway. In Tonkawa in Kay County Fountain Rd. was closed. In Shawnee in Pottawatomie County Clearpond Road just west of Acme Rd. was closed. In Choctaw in Oklahoma County, portions of NE 23rd were closed, and in Garfield County 4 miles west of Bison a vehicle was flooded out when it encountered high water from Turkey Creek. Several motorists were stranded in high water in Coal County. In Seminole County Highway 9 was reported to be covered by high water from the Salt Creek 6 miles southwest of Bowlegs, and Sportsman Lake Road near Sportsman Lake in Wewoka was also flooded. Magnolia Creek in Seminole overflowed its banks as well flooding Seminole Municipal Park.

#### Greer County

Willow	24	0915CST			0	0			Hail (1.00)
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#### Washita County

2 S Rocky	24	0950CST			0	0			Hail (1.00)
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#### Washita County

2 W Sentinel to 7 W Sentinel	24	1000CST			0	0			Hail (1.00)
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Hail was reported to be 3 to 4 inches deep.

#### Washita County

3 SW Dill City	24	1055CST			0	0	75K		Hail (1.75)
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#### Washita County

Dill City	24	1113CST			0	0			Hail (1.00)
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#### Custer County

2 S Clinton	24	1220CST			0	0			Hail (1.00)
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#### Washita County

11 N Cordell	24	1220CST			0	0			Hail (1.00)
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#### Custer County

Arapaho	24	1224CST			0	0			Hail (1.00)
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#### Custer County

Clinton	24	1225CST			0	0			Hail (2.75)
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#### Custer County

5 W Custer City	24	1306CST			0	0			Hail (0.88)
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Severe thunderstorms accompanied by lots of large hail developed across portions of the west central and southwest Oklahoma during the late morning and early afternoon of the 24th. Wheat crop was reported to be damaged by golf ball-size hail 3 miles southwest of Dill City in Washita County.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

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

### OKLAHOMA, Western, Central and Southeast

<b>Seminole County</b>									
Wewoka	26	0750CST			0	0			Hail (0.75)
<b>Grady County</b>									
Tabler	26	1415CST			0	0			Hail (1.00)
<b>Grady County</b>									
Tabler	26	1440CST			0	0			Hail (1.00)
<b>Mcclain County</b>									
Dibble	26	1445CST			0	0			Hail (0.75)
<b>Grady County</b>									
3 E Middleberg	26	1455CST			0	0			Hail (0.75)
<b>Seminole County</b>									
4 S Sasakwa	26	1505CST			0	0			Hail (1.75)
<b>Mcclain County</b>									
Goldsby	26	1510CST			0	0			Hail (1.25)
<b>Mcclain County</b>									
5 NW Purcell	26	1510CST			0	0			Hail (0.88)
<b>Mcclain County</b>									
3 S Dibble	26	1512CST			0	0			Hail (0.75)
<b>Cleveland County</b>									
3 SE Noble	26	1513CST			0	0			Hail (0.75)
<b>Mcclain County</b>									
2 SW Blanchard	26	1520CST			0	0			Hail (0.88)
<b>Cleveland County</b>									
Slaughterville	26	1525CST			0	0			Hail (0.88)
<b>Pottawatomie County</b>									
Macomb	26	1548CST			0	0			Hail (0.75)
<b>Mcclain County</b>									
3 SW Purcell	26	1605CST			0	0			Hail (0.75)
<b>Mcclain County</b>									
3 W Purcell	26	1620CST			0	0			Hail (0.75)
<b>Cleveland County</b>									
2 S Lexington	26	1635CST			0	0			Hail (1.00)
<b>Seminole County</b>									
4 S Sasakwa	26	1705CST			0	0			Hail (1.75)
<b>Hughes County</b>									
5 SW Atwood	26	1714CST			0	0			Hail (0.75)
<b>Pontotoc County</b>									
2.5 NE Allen	26	1714CST			0	0			Hail (0.75)
<b>Major County</b>									
14 N Chester	26	1736CST			0	0			Hail (0.88)
<b>Blaine County</b>									
8 NNW Watonga	26	1813CST			0	0			Hail (1.75)
<b>Blaine County</b>									
Geary	26	1840CST			0	0			Hail (0.75)
<b>Canadian County</b>									
9 NW Karnes Station	26	1840CST			0	0			Hail (1.25)
<b>Blaine County</b>									
4 S Watonga	26	1841CST			0	0			Hail (0.88)



# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

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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### OKLAHOMA, Western, Central and Southeast

Blaine County 4 NE Geary	26	1850CST			0	0			Hail (0.88)
Blaine County 4 NE Geary	26	1855CST			0	0			Hail (1.00)
Caddo County 4 N Hinton	26	1902CST			0	0			Hail (1.75)
Caddo County 4 N Hinton	26	1905CST			0	0			Hail (2.75)
Hail was reported near the intersection of Highway 281 and Interstate 40.									
Canadian County 6 E Niles	26	1927CST			0	0			Hail (1.00)
Canadian County 2 E Niles	26	1935CST			0	0			Hail (1.75)
Caddo County Cogar	26	1940CST			0	0			Hail (1.00)
Caddo County Cogar	26	1945CST			0	0			Hail (1.75)
Alfalfa County 2 W Burlington	26	1955CST			0	0			Hail (0.75)
Grady County 8 N Chickasha	26	2000CST			0	0			Hail (1.25)
Caddo County 7 ENE Anadarko	26	2005CST			0	0			Hail (1.00)
Grady County 2 NW Norge	26	2034CST			0	0			Hail (1.00)
Alfalfa County 9 NE Byron	26	2047CST			0	0			Hail (0.75)
Grady County Ninnekah	26	2050CST			0	0			Hail (0.88)
Grady County Rush Spgs	26	2105CST			0	0			Hail (1.00)
Grant County Medford	26	2110CST			0	0			Hail (0.75)

### TEXAS, Western North

Knox County Knox City	02	1800CST			0	0			Hail (0.75)
Knox County 7 W Vera	02	1915CST			0	0			Hail (0.75)
Wilbarger County Vernon	03	0005CST			0	0	0.50K		Thunderstorm Wind
Several traffic lights were downed by thunderstorm winds in downtown Vernon.									
Archer County Lake Kickapoo	12	2315CST			0	0	15K		Thunderstorm Wind
Winds from a severe thunderstorm partially ripped the roof off a garage and house.									
Wichita County Wichita Falls	14	0030CST			0	0	60K		Flood



# National Weather Service

## Storm Data and Unusual Weather Phenomena



April 1999

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

### TEXAS, Western North

High water from heavy rain flooded several homes at the corner of Stevens and Featherston Avenues. Several people had to be rescued by boat.

**TXZ083>090**

**Hardeman - Foard - Wilbarger - Wichita - Knox - Baylor - Archer - Clay**

<b>14</b>	<b>1700CST</b>	<b>0</b>	<b>0</b>	<b>6.5K</b>	<b>High Wind</b>
<b>15</b>	<b>0500CST</b>				

Northwest winds between 40 and 50 mph with gusts over 60 mph affected much of western north Texas from the evening of the 14th through the early morning of the 15th. Two sheds were blown over, and large tree limbs were downed in Hardeman County. Minor roof damage was also reported in Hardeman County. In Archer County, a tree fell on a house in Archer City. Large tree limbs were downed in Knox County. Large tree limbs were also downed in Wilbarger County resulting in scattered power outages between 1900 CST and 2200 CST on the 14th.

**Foard County**

**Crowell**

<b>29</b>	<b>0030CST</b>	<b>0</b>	<b>0</b>	<b>3K</b>	<b>Thunderstorm Wind</b>
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**Foard County**

**4 E Crowell**

<b>29</b>	<b>0035CST</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
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A severe thunderstorm produced quarter-size hail 4 miles east of Crowell and minor roof damage to a lumberyard in Crowell.