

Storm Data and Unusual Weather Phenomena - April 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
CARROLL COUNTY --- 0.3 WSW BERRYVILLE [36.37, -93.58], 0.5 NNW BERRYVILLE [36.38, -93.57]				
	04/05/23 04:47 CST		50K	Thunderstorm Wind (EG 70 kt)
	04/05/23 04:47 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind estimated from 70 to 80 mph blew most of the metal roof covering from a school building, snapped numerous large tree limbs, and uprooted a few trees in a broad swath across the northwestern portion of Berryville.				
MADISON COUNTY --- 1.2 N WEATHERS [35.97, -93.52], 3.5 NNE WEATHERS [35.99, -93.49]				
	04/05/23 04:50 CST		0	Tornado (EF0, L: 2.80 mi , W: 300 yd)
	04/05/23 04:53 CST		0	Source: NWS Storm Survey
This tornado snapped large tree limbs and uprooted small trees. Based on this damage, maximum estimated wind in the tornado was 75 to 80 mph.				
BENTON COUNTY --- 3.0 SE BENTONVILLE [36.34, -94.18]				
	04/05/23 05:02 CST		0	Hail (0.75 in)
	04/05/23 05:02 CST		0	Source: Public
CARROLL COUNTY --- 2.3 ENE OAK GROVE [36.46, -93.39], 4.0 ENE OAK GROVE [36.48, -93.37]				
	04/05/23 05:03 CST		0	Tornado (EFU, L: 1.90 mi , W: 250 yd)
	04/05/23 05:05 CST		0	Source: Emergency Manager
Several people witnessed this tornado from multiple directions. The tornado appears to have occurred over open county, and a survey team could not access the area where the tornado likely occurred based on radar data and estimation from videographer positions. The tornado was therefore rated EF-unknown.				
BENTON COUNTY --- 2.0 N CAVE SPGS [36.30, -94.23]				
	04/05/23 05:04 CST		0	Hail (1.00 in)
	04/05/23 05:04 CST		0	Source: Public
BENTON COUNTY --- 3.0 S BENTONVILLE [36.33, -94.22]				
	04/05/23 05:07 CST		0	Hail (0.75 in)
	04/05/23 05:07 CST		0	Source: Public
BENTON COUNTY --- 2.0 NW ROGERS [36.35, -94.15]				
	04/05/23 05:09 CST		0	Hail (0.75 in)
	04/05/23 05:09 CST		0	Source: Public
BENTON COUNTY --- 2.0 S ROGERS [36.30, -94.12]				
	04/05/23 05:10 CST		0	Hail (0.75 in)
	04/05/23 05:10 CST		0	Source: Public
WASHINGTON COUNTY --- 1.4 S SPRINGDALE MUNI ARPT [36.15, -94.12]				
	04/05/23 05:29 CST		0	Hail (0.75 in)
	04/05/23 05:29 CST		0	Source: Trained Spotter
CRAWFORD COUNTY --- ALMA [35.48, -94.23]				
	04/05/23 06:05 CST		0	Hail (1.00 in)
	04/05/23 06:05 CST		0	Source: Trained Spotter
SEBASTIAN COUNTY --- 2.0 ENE GREENWOOD [35.23, -94.24]				
	04/05/23 06:29 CST		0	Hail (0.75 in)
	04/05/23 06:29 CST		0	Source: Public
SEBASTIAN COUNTY --- 1.9 S GREENWOOD [35.19, -94.26]				
	04/05/23 06:30 CST		0	Hail (1.00 in)
	04/05/23 06:30 CST		0	Source: Trained Spotter

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Strong to severe thunderstorms developed into northwestern Arkansas during the early morning hours of the 5th, ahead of and along a cold front that moved through the region. The air mass had become moderately unstable ahead of the front. Deep layer wind shear was strong, and combined with the instability, resulted in a few supercell thunderstorms developing over portions of northwestern Arkansas. One supercell produced a tornado and damaging wind in northeastern Carroll County, and another supercell produced a brief tornado in eastern Madison County. A squall line along the cold front then moved through the region. The strongest storms in the line produced hail up to quarter size.

WASHINGTON COUNTY --- 2.0 ESE WHEELER [36.11, -94.22], 2.0 WSW JOHNSON [36.12, -94.20]

04/15/23 13:36 CST			0	Hail (1.00 in)
04/15/23 13:39 CST			0	Source: Public

SEBASTIAN COUNTY --- 0.6 W OAK PARK [35.43, -94.39]

04/15/23 13:50 CST			0	Hail (1.00 in)
04/15/23 13:50 CST			0	Source: Public

SEBASTIAN COUNTY --- 0.8 NNW FT SMITH [35.39, -94.42], 0.9 SE OAK PARK [35.42, -94.37]

04/15/23 13:50 CST			0.30M	Hail (2.00 in)
04/15/23 13:57 CST			0	Source: Fire Department/Rescue

Golf ball to hen egg size hail damaged homes, businesses, and vehicles.

WASHINGTON COUNTY --- SPRINGDALE [36.18, -94.13]

04/15/23 13:51 CST			0	Hail (0.88 in)
04/15/23 13:51 CST			0	Source: Social Media

BENTON COUNTY --- 2.0 NE HIGHFILL [36.29, -94.32]

04/15/23 13:54 CST			5K	Thunderstorm Wind (EG 61 kt)
04/15/23 13:54 CST			0	Source: Public

Strong thunderstorm wind blew down trees and damaged a horse shed.

BENTON COUNTY --- 2.0 SE CENTERTON [36.33, -94.25]

04/15/23 13:55 CST			0	Hail (1.00 in)
04/15/23 13:55 CST			0	Source: Public

BENTON COUNTY --- 2.0 SSW BENTONVILLE [36.34, -94.23]

04/15/23 13:55 CST			0	Hail (0.88 in)
04/15/23 13:55 CST			0	Source: Public

BENTON COUNTY --- 2.0 SSW BENTONVILLE [36.34, -94.23]

04/15/23 13:55 CST			0	Thunderstorm Wind (EG 52 kt)
04/15/23 13:55 CST			0	Source: Public

Thunderstorm wind gusts were estimated to 60 mph.

CRAWFORD COUNTY --- 0.9 SW SMELTZER [35.46, -94.33]

04/15/23 13:55 CST			0	Hail (1.00 in)
04/15/23 13:55 CST			0	Source: Public

BENTON COUNTY --- 2.0 ESE CENTERTON [36.34, -94.25]

04/15/23 13:56 CST			0	Hail (1.00 in)
04/15/23 13:56 CST			0	Source: Public

BENTON COUNTY --- 3.0 SE CENTERTON [36.32, -94.24]

04/15/23 13:56 CST			0	Hail (1.00 in)
04/15/23 13:56 CST			0	Source: Public

CRAWFORD COUNTY --- 2.0 WNW SHIBLEY [35.46, -94.33]

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	04/15/23 13:59 CST		25K	Hail (1.50 in)
	04/15/23 13:59 CST		0	Source: Public
Ping pong ball size hail damaged vehicles and homes.				
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BENTON COUNTY --- 1.0 E BENTONVILLE [36.37, -94.20]				
	04/15/23 14:00 CST		0	Hail (1.00 in)
	04/15/23 14:00 CST		0	Source: Public
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BENTON COUNTY --- BENTONVILLE [36.37, -94.22]				
	04/15/23 14:01 CST		0	Hail (0.75 in)
	04/15/23 14:01 CST		0	Source: Public
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BENTON COUNTY --- 1.0 E BENTONVILLE [36.37, -94.20]				
	04/15/23 14:02 CST		25K	Hail (1.25 in)
	04/15/23 14:02 CST		0	Source: Public
Half dollar size hail damaged vehicles and homes.				
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BENTON COUNTY --- 4.0 NW PEA RIDGE [36.49, -94.17]				
	04/15/23 14:05 CST		25K	Hail (1.25 in)
	04/15/23 14:05 CST		0	Source: Public
Half dollar size hail damaged vehicles and homes.				
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CRAWFORD COUNTY --- 0.6 E DEAN SPG [35.52, -94.21]				
	04/15/23 14:08 CST		0	Hail (0.75 in)
	04/15/23 14:08 CST		0	Source: Public
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CRAWFORD COUNTY --- 0.5 NNE ALMA [35.49, -94.23]				
	04/15/23 14:10 CST		0.10M	Hail (2.50 in)
	04/15/23 14:10 CST		0	Source: Public
Tennis ball size hail damaged homes, businesses, and vehicles.				
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BENTON COUNTY --- 1.0 N BENTONVILLE [36.38, -94.22]				
	04/15/23 14:14 CST		0	Hail (0.75 in)
	04/15/23 14:14 CST		0	Source: Public
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SEBASTIAN COUNTY --- 3.0 SE FT SMITH [35.35, -94.38]				
	04/15/23 14:21 CST		3K	Thunderstorm Wind (EG 55 kt)
	04/15/23 14:21 CST		0	Source: Public
Strong thunderstorm wind snapped large tree limbs, and blew shingles from the roofs of homes.				
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BENTON COUNTY --- 1.0 S GARFIELD [36.44, -93.97]				
	04/15/23 14:23 CST		75K	Hail (2.00 in)
	04/15/23 14:23 CST		0	Source: Public
Hen egg size hail damaged homes and vehicles.				
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BENTON COUNTY --- 3.5 ENE BENTONVILLE BRANCH J [36.34, -94.06]				
	04/15/23 14:24 CST		0	Hail (1.00 in)
	04/15/23 14:24 CST		0	Source: Social Media
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CRAWFORD COUNTY --- 2.0 N MULBERRY [35.53, -94.05]				
	04/15/23 14:29 CST		0.10M	Hail (2.50 in)
	04/15/23 14:29 CST		0	Source: Public
Tennis ball size hail damaged homes, businesses, and vehicles.				

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CRAWFORD COUNTY --- 0.2 NW MULBERRY [35.50, -94.05]				
	04/15/23 14:30 CST		0	Hail (1.00 in)
	04/15/23 14:30 CST		0	Source: Trained Spotter
CRAWFORD COUNTY --- 3.0 E DYER [35.50, -94.08]				
	04/15/23 14:30 CST		75K	Hail (2.00 in)
	04/15/23 14:30 CST		0	Source: Storm Chaser
Hen egg size hail damaged homes and vehicles.				
SEBASTIAN COUNTY --- 0.5 NNE WITCHERVILLE [35.14, -94.27]				
	04/15/23 14:37 CST		30K	Hail (1.75 in)
	04/15/23 14:37 CST		0	Source: Emergency Manager
Golf ball size damaged homes and vehicles.				
SEBASTIAN COUNTY --- 2.4 WSW BURNVILLE [35.17, -94.22]				
	04/15/23 14:40 CST		20K	Hail (1.75 in)
	04/15/23 14:40 CST		0	Source: Emergency Manager
Golf ball size hail damaged vehicles and homes.				
WASHINGTON COUNTY --- 1.1 NNW ELKINS [36.01, -94.01]				
	04/15/23 14:40 CST		0	Hail (1.00 in)
	04/15/23 14:40 CST		0	Source: Public
FRANKLIN COUNTY --- 5.0 NW OZARK [35.55, -93.89]				
	04/15/23 14:44 CST		20K	Hail (1.75 in)
	04/15/23 14:44 CST		0	Source: County Official
Golf ball size hail damaged vehicles and homes.				
SEBASTIAN COUNTY --- 0.9 E BURNVILLE [35.18, -94.16]				
	04/15/23 14:46 CST		0	Hail (0.75 in)
	04/15/23 14:46 CST		0	Source: Public
CARROLL COUNTY --- 2.0 ESE BEAVER [36.46, -93.74]				
	04/15/23 14:52 CST		0	Hail (0.75 in)
	04/15/23 14:52 CST		0	Source: Public
Severe thunderstorms developed over far eastern and southeastern Oklahoma and moved through northwestern Arkansas during the afternoon of the 15th, as a cold front moved into the area. Moderately strong instability combined with strong deep-layer wind shear to support the development of some supercell thunderstorms. The strongest storms produced large hail up to tennis ball size and damaging wind gusts.				
CARROLL COUNTY --- 1.3 NE GREEN FOREST [36.33, -93.44]				
	04/20/23 14:22 CST		0	Hail (1.00 in)
	04/20/23 14:22 CST		0	Source: Public
CARROLL COUNTY --- 4.2 W BLUE EYE [36.48, -93.35]				
	04/20/23 14:28 CST		0	Hail (0.75 in)
	04/20/23 14:28 CST		0	Source: Broadcast Media
CRAWFORD COUNTY --- CHESTER [35.68, -94.18]				
	04/20/23 15:00 CST		0	Hail (0.75 in)
	04/20/23 15:00 CST		0	Source: Public
MADISON COUNTY --- 0.6 NW HUNTSVILLE [36.09, -93.74]				

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	04/20/23 15:00 CST		0	Hail (0.75 in)
	04/20/23 15:00 CST		0	Source: Public

FRANKLIN COUNTY --- 2.8 W CHARLESTON [35.30, -94.08]

04/20/23 19:02 CST	0	Hail (0.75 in)
04/20/23 19:02 CST	0	Source: COOP Observer

FRANKLIN COUNTY --- 0.7 S OZARK [35.49, -93.83]

04/20/23 19:28 CST	20K	Hail (1.25 in)
04/20/23 19:28 CST	0	Source: Emergency Manager

Half dollar size hail damaged homes and vehicles.

Strong to severe thunderstorms developed across northwestern Arkansas during the afternoon and evening of the 20th, along and ahead of a cold front that moved through the region. The strongest storms produced large hail up to half dollar size.

OKLAHOMA, Eastern

(OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z069) ADAIR, (OK-Z076) LE FLORE

04/01/23 00:00 CST	0	Wildfire
04/05/23 21:00 CST	0	

Unseasonably warm temperatures, strong wind, and very low humidity combined with dormant, drought-stricken fuels to promote conditions that supported the rapid spread of wildfire across portions of eastern Oklahoma during early April. Large fires that began on March 31st in Washington, Osage, and Le Flore Counties continued to burn through April 5th. More than 6400 acres were burned in Washington and Osage Counties, and more than 250 acres were burned in Le Flore County. Numerous other wildfires occurred, and the largest fires burned over 350 acres in Adair County.

(OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z059) PAWNEE, (OK-Z064) CREEK

04/01/23 00:00 CST	0	Drought
04/30/23 23:59 CST	0	

Much of eastern Oklahoma received precipitation amounts below the long-term average in April, with amounts ranging from about one half inch across portions of northeastern Oklahoma to around six inches in southeastern Oklahoma. A lot of the area received less than 50 percent of average precipitation amounts, and some areas of northeastern Oklahoma only received between 10 and 25 percent of average amounts for the month. As a result, ongoing long-term drought conditions persisted across portions of northeastern Oklahoma, and even worsened in some areas. Extreme (D3) to exceptional (D4) drought conditions persisted across portions of Osage and Pawnee Counties, and extreme (D3) drought conditions expanded back into northern Washington and Nowata Counties. Severe (D2) drought conditions continued across portions of Craig County. Monetary damage estimates as a result of the drought were not available.

MAYES COUNTY --- 6.7 W ADAIR [36.43, -95.39]

04/05/23 02:45 CST	0	Hail (0.75 in)
04/05/23 02:45 CST	0	Source: Public

LE FLORE COUNTY --- MUSE [34.67, -94.77]

04/05/23 06:40 CST	0	Hail (0.75 in)
04/05/23 06:40 CST	0	Source: Emergency Manager

Strong thunderstorms developed across eastern Oklahoma during the early morning hours of the 5th, as a cold front moved through the area. The strongest storms produced hail up to penny size.

(OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z075) LATIMER

04/07/23 11:00 CST	0.10M	Wildfire
04/14/23 22:00 CST	0	

Unseasonably warm temperatures, strong wind, and very low humidity combined with dormant, drought-stricken fuels to promote conditions that supported the rapid spread of wildfire across portions of eastern Oklahoma during early to mid April. Numerous wildfires occurred during this period, but the largest fires burned over 2000 acres in Cherokee County, burned over 1400 acres in Latimer County, and burned over 1000 acres and a home in Adair County.

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SEQUOYAH COUNTY --- 0.7 SSE WEST FT SMITH [35.39, -94.45]				
	04/15/23 13:47 CST		20K	Hail (1.25 in)
	04/15/23 13:47 CST		0	Source: Emergency Manager
Half dollar size hail damaged vehicles and homes.				
LE FLORE COUNTY --- 0.8 NE SPIRO [35.24, -94.62]				
	04/15/23 14:00 CST		75K	Hail (2.50 in)
	04/15/23 14:00 CST		0	Source: Public
Tennis ball size hail damaged homes and vehicles.				
LE FLORE COUNTY --- 1.0 ESE SPIRO [35.22, -94.61]				
	04/15/23 14:00 CST		0	Hail (0.75 in)
	04/15/23 14:00 CST		0	Source: Public
LE FLORE COUNTY --- 7.0 ESE HEAVENER [34.84, -94.49]				
	04/15/23 14:38 CST		0	Hail (0.75 in)
	04/15/23 14:38 CST		0	Source: Public
Severe thunderstorms developed over far eastern and southeastern Oklahoma during the afternoon of the 15th, as a cold front moved into the area. Moderately strong instability combined with strong deep-layer wind shear to support the development of some supercell thunderstorms. The strongest storms produced large hail up to tennis ball size.				
(OK-Z055) WASHINGTON, (OK-Z057) CRAIG				
	04/19/23 21:40 CST		0	High Wind (MAX 50 kt)
	04/19/23 21:55 CST		0	
A very strong pressure gradient developed over eastern Oklahoma during the afternoon and evening of the 19th, in response to deepening low pressure over the High Plains to the west with the approach of an upper level disturbance. Weak rain showers developed across northeastern Oklahoma during the evening, and downdrafts associated with these showers were able to enhance the already strong gradient wind near the ground. The Oklahoma Mesonet stations near Copan and Vinita measured 58 mph wind gusts.				
OKFUSKEE COUNTY --- 0.5 NNE PADEN [35.51, -96.57]				
	04/19/23 22:00 CST		50K	Hail (1.75 in)
	04/19/23 22:00 CST		0	Source: Emergency Manager
Golf ball size hail damaged homes and vehicles.				
OKFUSKEE COUNTY --- 1.2 E LAKE OKEMAH [35.52, -96.30]				
	04/19/23 22:30 CST		0.10M	Hail (4.00 in)
	04/19/23 22:30 CST		0	Source: Emergency Manager
Grapefruit size hail damaged homes and vehicles.				
OKFUSKEE COUNTY --- OKEMAH [35.43, -96.30]				
	04/19/23 22:40 CST		0.15M	Hail (3.75 in)
	04/19/23 22:40 CST		0	Source: Public
Large hail nearly the size of grapefruit damaged homes, businesses, and vehicles.				
OKMULGEE COUNTY --- 3.0 N SCHULTER [35.56, -95.95]				
	04/19/23 23:15 CST		0	Hail (1.00 in)
	04/19/23 23:15 CST		0	Source: Public
OSAGE COUNTY --- 3.0 W SKIATOOK [36.37, -96.05]				
	04/19/23 23:24 CST		0	Hail (0.75 in)
	04/19/23 23:24 CST		0	Source: Public

Severe thunderstorms developed over central Oklahoma during the evening of the 19th, along and ahead of a dry line that extended through north central Oklahoma through southwestern Oklahoma. These storms moved into the western portions of eastern Oklahoma

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during the late evening. The air mass east of the dry line became very unstable during the afternoon. As a strong upper level disturbance approached the region from the west during the day, the lower and middle level wind fields strengthened, which resulted in strong deep-layer wind shear during the evening. The combination of instability and wind shear resulted in supercell thunderstorms, which produced hail up to grapefruit size in parts of eastern Oklahoma as they moved through the area.

LE FLORE COUNTY --- 0.9 NNW WHITESBORO [34.69, -94.88]

04/20/23 21:16 CST

15K

Hail (1.25 in)

04/20/23 21:16 CST

0

Source: Public

Half dollar size hail damaged homes and vehicles.

Strong to severe thunderstorms developed across eastern Oklahoma during the afternoon and evening of the 20th, along and ahead of a cold front that moved through the region. The strongest storms produced large hail up to half dollar size.