

Storm Data and Unusual Weather Phenomena - October 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
(AR-Z001) BENTON, (AR-Z002) CARROLL, (AR-Z010) WASHINGTON, (AR-Z011) MADISON, (AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	10/01/22 00:00 CST	0		Drought
	10/31/22 23:59 CST	0		
<p>Several widespread, heavy rain events during October helped ease the drought across much of northwestern Arkansas during the month. Three to seven inches of rain fell across the region, with much of the region receiving between five and seven inches of rainfall during the the month. This equated to near normal rainfall for the month, to as much as 150 to 200 percent of normal rainfall for the month across portions of northwestern Arkansas. Severe (D2) to extreme (D3) drought conditions at the beginning of the month improved to moderate drought (D1) conditions across the entire region by the end of the month, except for small portions of Benton and Sebastian Counties, which remained at severe drought (D2) conditions. Monetary damage estimates as a result of the drought were not available.</p>				
BENTON COUNTY --- 1.0 W DECATUR [36.33, -94.47]				
	10/12/22 07:05 CST	0		Hail (1.00 in)
	10/12/22 07:05 CST	0		Source: Trained Spotter
BENTON COUNTY --- LOWELL [36.25, -94.13]				
	10/12/22 07:42 CST	0		Hail (0.75 in)
	10/12/22 07:42 CST	0		Source: Trained Spotter
WASHINGTON COUNTY --- 3.0 ENE WHEELER [36.14, -94.20]				
	10/12/22 07:46 CST	0		Hail (0.75 in)
	10/12/22 07:46 CST	0		Source: Public
WASHINGTON COUNTY --- FAYETTEVILLE [36.07, -94.17]				
	10/12/22 08:25 CST	0		Hail (1.00 in)
	10/12/22 08:25 CST	0		Source: Public
FRANKLIN COUNTY --- WATALULA [35.57, -93.82]				
	10/12/22 08:50 CST	0		Hail (0.88 in)
	10/12/22 08:50 CST	0		Source: Fire Department/Rescue
FRANKLIN COUNTY --- 0.9 WNW OZARK [35.50, -93.85]				
	10/12/22 08:52 CST	0		Hail (0.88 in)
	10/12/22 08:52 CST	0		Source: Amateur Radio
FRANKLIN COUNTY --- 1.1 NNE OZARK [35.51, -93.82]				
	10/12/22 09:01 CST	0		Hail (0.75 in)
	10/12/22 09:01 CST	0		Source: Amateur Radio
FRANKLIN COUNTY --- 2.0 NW WATALULA [35.59, -93.85]				
	10/12/22 09:15 CST	0		Hail (0.88 in)
	10/12/22 09:15 CST	0		Source: Amateur Radio
<p>Strong to severe thunderstorms developed into northwestern Arkansas during the morning hours of the 12th, as a cold front moved into the area. The strongest storms produced large hail up to quarter size.</p>				
SEBASTIAN COUNTY --- HACKETT [35.18, -94.42]				
	10/15/22 16:46 CST	0		Hail (1.00 in)
	10/15/22 16:46 CST	0		Source: Public
SEBASTIAN COUNTY --- 1.0 S FT SMITH [35.37, -94.42]				
	10/15/22 17:20 CST	0		Hail (1.00 in)
	10/15/22 17:20 CST	0		Source: Public

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SEBASTIAN COUNTY --- 2.0 W BARLING [35.33, -94.34]				
	10/15/22 17:24 CST		0	Hail (1.00 in)
	10/15/22 17:24 CST		0	Source: Public
SEBASTIAN COUNTY --- 1.0 S FT SMITH [35.37, -94.42]				
	10/15/22 17:30 CST		1K	Thunderstorm Wind (EG 56 kt)
	10/15/22 17:30 CST		0	Source: Broadcast Media
Strong thunderstorm wind blew down power lines.				
SEBASTIAN COUNTY --- 3.0 W BARLING [35.33, -94.35]				
	10/15/22 17:30 CST		20K	Hail (1.50 in)
	10/15/22 17:30 CST		0	Source: Public
Hail up to ping pong ball size damaged homes and vehicles.				
SEBASTIAN COUNTY --- 1.0 ESE FT SMITH [35.37, -94.40]				
	10/15/22 17:32 CST		0	Hail (1.00 in)
	10/15/22 17:32 CST		0	Source: Public
SEBASTIAN COUNTY --- 3.0 NW RYE HILL [35.30, -94.41]				
	10/15/22 17:34 CST		10K	Hail (1.25 in)
	10/15/22 17:34 CST		0	Source: Public
Hail up to half dollar size damaged homes and vehicles.				
FRANKLIN COUNTY --- 1.0 NNW WATALULA [35.58, -93.83]				
	10/15/22 17:35 CST		0	Thunderstorm Wind (EG 56 kt)
	10/15/22 17:35 CST		0	Source: Emergency Manager
Strong thunderstorm wind snapped large tree limbs.				
SEBASTIAN COUNTY --- BARLING [35.33, -94.30]				
	10/15/22 17:35 CST		0	Thunderstorm Wind (EG 52 kt)
	10/15/22 17:35 CST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated to 60 mph.				
FRANKLIN COUNTY --- 2.0 NNW WATALULA [35.60, -93.83]				
	10/15/22 17:38 CST		0	Hail (1.00 in)
	10/15/22 17:38 CST		0	Source: Fire Department/Rescue
FRANKLIN COUNTY --- 1.0 NE WATALULA [35.58, -93.81]				
	10/15/22 17:43 CST		0	Hail (1.00 in)
	10/15/22 17:43 CST		0	Source: Public
SEBASTIAN COUNTY --- GREENWOOD [35.22, -94.27]				
	10/15/22 18:00 CST		0	Hail (0.75 in)
	10/15/22 18:00 CST		0	Source: Emergency Manager
Strong to severe thunderstorms developed across west central Arkansas during the late afternoon of the 15th, along a cold front that had become nearly stationary over the area. Additional thunderstorms moved into the area during the evening. The combination of strong instability and moderately strong deep layer wind shear promoted the development of a few supercell thunderstorms. The strongest thunderstorms produced hail up to ping pong ball size and damaging wind gusts.				

OKLAHOMA, Eastern

(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z058)

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OTTAWA, (OK-Z059) PAWNEE, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z062) MAYES, (OK-Z063) DELAWARE, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE				
	10/01/22 00:00 CST		0	Drought
	10/31/22 23:59 CST		0	
<p>Several widespread, heavy rain events during October helped ease the drought across much of far eastern Oklahoma during the month. However, the remainder of eastern Oklahoma, especially areas north of I-40 and west of Highway 69, received below average precipitation for the month, much of that area only receiving between 25 and 50 percent of average rainfall amounts. As a result, exceptional drought (D4) conditions expanded across portions of northeastern Oklahoma to include all of Washington, Nowata, and Rogers Counties, as well as portions of Cherokee, Wagoner, Tulsa, Mayes, Ottawa, Craig, and Osage Counties. Exceptional drought (D4) conditions also continued across portions of Pittsburg, McIntosh, Okmulgee, and Okfuskee Counties. Severe (D2) to extreme (D3) drought conditions persisted across the remainder of eastern Oklahoma through the month, although as noted previously, some improvement did occur across far eastern Oklahoma. Monetary damage estimates as a result of the drought were not available.</p>				
(OK-Z049) PUSHMATAHA				
	10/01/22 00:00 CST		0	Wildfire
	10/03/22 18:00 CST		0	
<p>Unseasonably warm temperatures, strong wind gusts, and very low humidity combined with dormant, drought-stricken fuels to promote conditions that supported the rapid spread of wildfire across portions of southeastern Oklahoma during late September. Numerous wildfires occurred across the region during this period, but the largest fires affected Pushmataha County, where over 4000 acres were burned. These fires continued to burn into early October.</p>				
(OK-Z053) CHOCTAW, (OK-Z076) LE FLORE				
	10/04/22 11:00 CST		0	Wildfire
	10/11/22 18:00 CST		0	
<p>Unseasonably warm temperatures, strong wind gusts, and very low humidity combined with dormant, drought-stricken fuels to promote conditions that supported the rapid spread of wildfire across portions of southeastern Oklahoma during early October. Some of the numerous fires that started on the 4th or 5th of the month, continued to burn until the 11th, despite several days with low fire spread potential due to cooler temperatures and higher humidity. The largest and most-persistent fires during this period affected Choctaw County, where over 800 acres were burned, and Le Flore County, where over 400 acres were burned.</p>				
MAYES COUNTY --- 6.2 W ADAIR [36.44, -95.38]				
	10/12/22 05:57 CST		0	Hail (1.00 in)
	10/12/22 05:57 CST		0	Source: Social Media
MAYES COUNTY --- 6.4 SSE CHELSEA [36.44, -95.39]				
	10/12/22 05:58 CST		0	Hail (0.75 in)
	10/12/22 05:58 CST		0	Source: Public
DELAWARE COUNTY --- JAY [36.42, -94.80]				
	10/12/22 06:43 CST		0	Hail (0.75 in)
	10/12/22 06:43 CST		0	Source: Broadcast Media
<p>Strong to severe thunderstorms developed into eastern Oklahoma during the morning hours of the 12th, as a cold front moved into the area. The strongest storms produced large hail up to quarter size.</p>				
MCINTOSH COUNTY --- 5.0 NE PIERCE [35.48, -95.66]				
	10/15/22 17:30 CST		2K	Thunderstorm Wind (EG 56 kt)
	10/15/22 17:30 CST		0	Source: Storm Chaser
<p>Strong thunderstorm wind snapped power poles.</p>				
MCINTOSH COUNTY --- 3.0 S RENTIESVILLE [35.48, -95.50]				
	10/15/22 17:58 CST		0	Hail (1.00 in)
	10/15/22 17:58 CST		0	Source: Broadcast Media
MUSKOGEE COUNTY --- 1.0 NNW WARNER [35.51, -95.31]				

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	10/15/22 18:28 CST		0	Hail (0.75 in)
	10/15/22 18:28 CST		0	Source: Public
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LE FLORE COUNTY --- 2.0 W POCOLA [35.23, -94.52]				
	10/15/22 19:07 CST		0	Hail (0.75 in)
	10/15/22 19:07 CST		0	Source: Public
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SEQUOYAH COUNTY --- 6.0 WNW BOX [35.61, -95.08]				
	10/15/22 20:54 CST		0	Hail (1.00 in)
	10/15/22 20:54 CST		0	Source: Public
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SEQUOYAH COUNTY --- 3.0 NNW BOX [35.62, -95.00]				
	10/15/22 21:08 CST		0	Hail (1.00 in)
	10/15/22 21:08 CST		0	Source: Public
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SEQUOYAH COUNTY --- BOX [35.58, -94.98]				
	10/15/22 21:12 CST		0	Hail (0.88 in)
	10/15/22 21:12 CST		0	Source: Emergency Manager

Strong to severe thunderstorms developed across east central Oklahoma during the late afternoon of the 15th, along a cold front that had become nearly stationary over the area. Additional thunderstorms moved into portions of northeastern and southeastern Oklahoma during the evening. The combination of strong instability and moderately strong deep layer wind shear promoted the development of a few supercell thunderstorms. The strongest thunderstorms produced hail up to quarter size and damaging wind gusts.

(OK-Z054) OSAGE, (OK-Z059) PAWNEE, (OK-Z061) ROGERS

10/21/22 10:00 CST		0	Wildfire
10/24/22 11:00 CST	1	0	

Unseasonably warm temperatures, strong wind gusts, and very low humidity combined with dormant, drought-stricken fuels to promote conditions that supported the rapid spread of wildfire across portions of northeastern Oklahoma during late October. Numerous wildfires occurred from the 21st through the 23rd across the region, but the largest fires affected Osage County where over 15,000 acres were burned, Pawnee County where over 6000 acres were burned, and Rogers County where over 5000 acres were burned. A fire fighter was injured in the Pawnee County fires on the 22nd.

WAGONER COUNTY --- 2.3 W CLARKSVILLE [35.83, -95.56]

10/24/22 11:55 CST		0	Thunderstorm Wind (MG 51 kt)
10/24/22 11:55 CST		0	Source: Mesonet

The Oklahoma Mesonet station near Porter measured 59 mph thunderstorm wind gusts.

Strong to severe thunderstorms developed into eastern Oklahoma on the 24th, as a cold front moved into the region. The strongest thunderstorms produced damaging wind gusts.

(OK-Z058) OTTAWA, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z062) MAYES

10/25/22 03:53 CST		19K	High Wind (MAX 53 kt)
10/25/22 08:00 CST		0	

A strong low pressure system moved through northeastern Oklahoma on the 25th. A very tight pressure gradient associated with this system resulted in strong wind both at the ground and just above the ground. Widespread showers developed across the area, and combined with the strong wind fields already in place due to the tight pressure gradient, some damaging wind gusts occurred across Tulsa, Rogers, Mayes, and Ottawa Counties during the morning.