

## Storm Data and Unusual Weather Phenomena - November 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### ALABAMA, Central

(AL-Z011) MARION, (AL-Z012) LAMAR, (AL-Z013) FAYETTE, (AL-Z014) WINSTON, (AL-Z015) WALKER, (AL-Z017) BLOUNT, (AL-Z018) ETOWAH, (AL-Z020) CHEROKEE, (AL-Z022) PICKENS, (AL-Z023) TUSCALOOSA, (AL-Z024) JEFFERSON, (AL-Z025) SHELBY, (AL-Z026) ST. CLAIR, (AL-Z031) GREENE, (AL-Z032) HALE, (AL-Z034) BIBB

11/01/23 00:00 CST	0	Drought
11/30/23 23:59 CST	0	

Abnormally dry weather carried over from October through November for much of Central Alabama, resulting in Severe (D2) to Extreme (D3) drought conditions. The governor of Alabama issued a No Burn Order for the entire state of Alabama on November 9th.

(AL-Z019) CALHOUN, (AL-Z027) TALLADEGA, (AL-Z030) SUMTER, (AL-Z033) PERRY, (AL-Z035) CHILTON, (AL-Z036) COOSA, (AL-Z049) PIKE

11/07/23 00:00 CST	0	Drought
11/30/23 23:59 CST	0	

Abnormally dry weather carried over from October through November for much of Central Alabama, resulting in Severe (D2) drought conditions. The governor of Alabama issued a No Burn Order for the entire state of Alabama on November 9th.

(AL-Z039) MARENGO, (AL-Z040) DALLAS, (AL-Z050) BARBOUR

11/14/23 00:00 CST	0	Drought
11/28/23 00:00 CST	0	

Abnormally dry weather carried over from October through November for portions of south central Alabama, resulting in several weeks of Severe (D2) drought conditions. The governor of Alabama issued a No Burn Order for the entire state of Alabama on November 9th.

### ALABAMA, North

(AL-Z004) LAWRENCE, (AL-Z005) LIMESTONE, (AL-Z016) CULLMAN

11/01/23 00:00 CST	0	Drought
11/30/23 23:59 CST	0	

The U.S. Drought Monitor designated Extreme Drought (D3) conditions for all counties in Northern Alabama as of November 2nd. This issuance now formally includes Limestone, Lawrence, and Cullman Counties.

(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z005) LIMESTONE, (AL-Z006) MADISON, (AL-Z007) MORGAN, (AL-Z008) MARSHALL, (AL-Z009) JACKSON, (AL-Z010) DEKALB, (AL-Z016) CULLMAN

11/01/23 02:00 CST	0	Frost/Freeze
11/01/23 08:00 CST	0	

A killing freeze occurred at several rural locations during the morning hours of the 1st as temperatures plummeted into the middle 20s. However, there were several areas, especially in urban areas, that experienced a freeze with temperatures of 28 to 32 degrees.

(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z006) MADISON, (AL-Z007) MORGAN, (AL-Z008) MARSHALL, (AL-Z009) JACKSON, (AL-Z010) DEKALB, (AL-Z016) CULLMAN

11/01/23 22:00 CST	0	Frost/Freeze
11/02/23 08:00 CST	0	

A killing freeze that ended the growing season occurred during the morning hours of the 2nd as temperatures plummeted into the lower to middle 20s.

(AL-Z009) JACKSON, (AL-Z010) DEKALB

11/09/23 00:00 CST	0	Drought
11/30/23 07:00 CST	0	

The U.S. Drought Monitor designated Exceptional Drought (D4) conditions for Jackson and Dekalb Counties as of November 9th.

### ALABAMA, Southeast

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>(AL-Z065) COFFEE, (AL-Z066) DALE, (AL-Z068) GENEVA, (AL-Z069) HOUSTON</b>				
	11/01/23 00:00 EST		0	Drought
	11/30/23 23:59 EST		0	

D3 drought conditions persisted for much of the November across portions of Coffee, Dale, Geneva, and Houston counties. However, heavy rain at the end of the month reduced the drought to D2 status, then below D2 status by early December.

<b>(AL-Z067) HENRY</b>				
	11/07/23 00:00 EST		0	Drought
	11/28/23 00:00 EST		0	

D2 drought conditions developed across Henry county during the week of Nov 7th. However, heavy rain at the end of the month reduced the drought status.

<b>GENEVA COUNTY --- 2.5 NE HIGHFALLS [31.12, -85.76], 2.7 W BALD HILL [31.17, -85.68]</b>				
	11/21/23 17:04 CST		0.10M	Tornado (EF1, L: 6.07 mi , W: 50 yd)
	11/21/23 17:15 CST		0	Source: NWS Storm Survey

Based on a tornado debris signature from the KEOX radar, a tornado touched down in a remote area near Barnes Creek south of CR 36. The tornado then tracked northeast, damaging several metal chicken coops on CR 36. The tornado next snapped a couple of trees on North CR 55. After crossing Oamon Pond Road, the tornado turned slightly to the right, snapping trees and significantly damaging an outbuilding on Childs Road. The largest concentration of damage occurred in a wooded area just southwest of CR 47 where numerous hardwood trees were snapped or uprooted. This is where the tornado reached its peak intensity of 105 mph, leaving a trail of debris across adjacent fields. The tornado then did significant damage to a barn on CR 57 where several smaller trees were also snapped. The tornado may then have briefly lifted before doing some damage on North CR 69. While debris signatures were still evident on radar, no damage was noted downstream from this point. Damage along most of the path was consistent with EF-1 damage.

A marginally conducive environment for severe weather was in place ahead of a cold front on November 21st. Instability was the limiting factor for more widespread severe weather. One tornado occurred across southeast Alabama.