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**Low temperatures break records across Arkansas**

By Ryan McGeeney  
U of A System Division of Agriculture

**Fast Facts:**

* Near-zero and sub-zero temperatures recorded throughout Arkansas
* Frozen ground and accumulated snowfall halt winter field prep for producers
* Fruit crops in Northwest Arkansas likely affected
* Temperatures likely returning to above freezing next week

(571 words)  
(Newsrooms: With art at <https://flic.kr/p/2kCiz2D>)

LITTLE ROCK — Temperatures plunged to record lows across Arkansas Tuesday morning, falling to single digits or even negative numbers, even in the southernmost reaches of the state.

Jeff Hood, meteorologist for the National Weather Service in North Little Rock, said some areas of the state reported lows more than 10 degrees below previous records.

Fayetteville recorded a record low on Tuesday morning of minus 19 degrees, only narrowly beating a record set in 2011 of minus 18 degrees. Similarly, Jonesboro beat its previous low of 2 degrees, sinking to minus 1.

While records were narrowly beaten in the northern tier of Arkansas counties, central and southern Arkansas saw even more drastic temperature drops.

North Little Rock recorded a low of minus 1 degree, down from a previous record of 16 degrees. Texarkana recorded a low of minus 1 degree, falling from its previous low of 9 degrees. El Dorado set a record low of 6 degrees, falling 14 degrees from its previous record low.

“For the last seven to 10 days, the northern United States has experienced significant cold air,” Hood said. “This cold air mass was able to work its way south into the middle part of the country, which is not unheard of, but the intensity of the cold air and the duration the cold air has lingered, is remarkable.”

Extension agents with the University of Arkansas System Division of Agriculture Cooperative Extension Service reported significant snowfall in counties throughout Arkansas, with many producers concerned about impacts on poultry and cattle operations. (See our previous story at <https://bit.ly/3qD2R2Q>.)

Matthew Davis, staff chair for the Jackson County extension office near Newport, said that while he hadn’t received any notice of widespread infrastructure damage in his county, the frozen ground would likely affect any efforts at field preparation that would otherwise be taking place in the month before spring planting typically begins.

“The amount of snow we have gotten [and] will get will leave ground wet for a while,” Davis said. “Unless we have a drastic change in weather patterns, it could delay some early field work that is typically going on at the first of March for row crop farmers.

“Livestock producers are hit hardest,” Davis said. “Moving hay, providing shelter, keeping water thawed and dealing with the birthing of livestock, etc. Conditions like this make things very tough. They have no choice but to keep on working.”

Amanda McWhirt, extension horticulture crops specialist for the Division of Agriculture, said that there will likely be damage to annual and perennial fruit crops in Northwest Arkansas. A full assessment of that damage will be forthcoming, she said.

Hood said the temperatures, while dire, will likely be short-lived.

“By the end of the week, we’re going to start to see things go in the other direction,” he said. “It won’t be overnight; it won’t be at the flip of a switch. In some locations, we’ve got 10-20 inches of snow on the ground, so it’s not like we’re just going to start over, and spring’s going to be right around the corner. It is going to take some time.”

Jeremy Ross, extension soybean agronomist for the Division of Agriculture, said early soybean planting in the southernmost Arkansas counties, which typically begins in mid-March, will likely be unaffected.

“We’re supposed to be in the mid-50s by next week,” Ross said. “Everything’s at a standstill right now anyway. We’ve still got plenty of time.”

To learn more about extension programs in Arkansas, contact your local Cooperative Extension Service agent or visit [www.uaex.edu](http://www.uaex.edu). Follow us on Twitter at [@UAEX\_edu](http://www.twitter.com/uaex_edu).

**About the Division of Agriculture**

The University of Arkansas System Division of Agriculture’s mission is to strengthen agriculture, communities, and families by connecting trusted research to the adoption of best practices. Through the Agricultural Experiment Station and the Cooperative Extension Service, the Division of Agriculture conducts research and extension work within the nation’s historic land grant education system.

The Division of Agriculture is one of 20 entities within the University of Arkansas System. It has offices in all 75 counties in Arkansas and faculty on five system campuses.

The University of Arkansas System Division of Agriculture offers all its Extension and Research programs to all eligible persons without regard to race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.

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