



# **Hazardous Weather Briefing**

**National Weather Service  
Little Rock, Arkansas**

**March 14, 2024  
5:30 AM CDT**



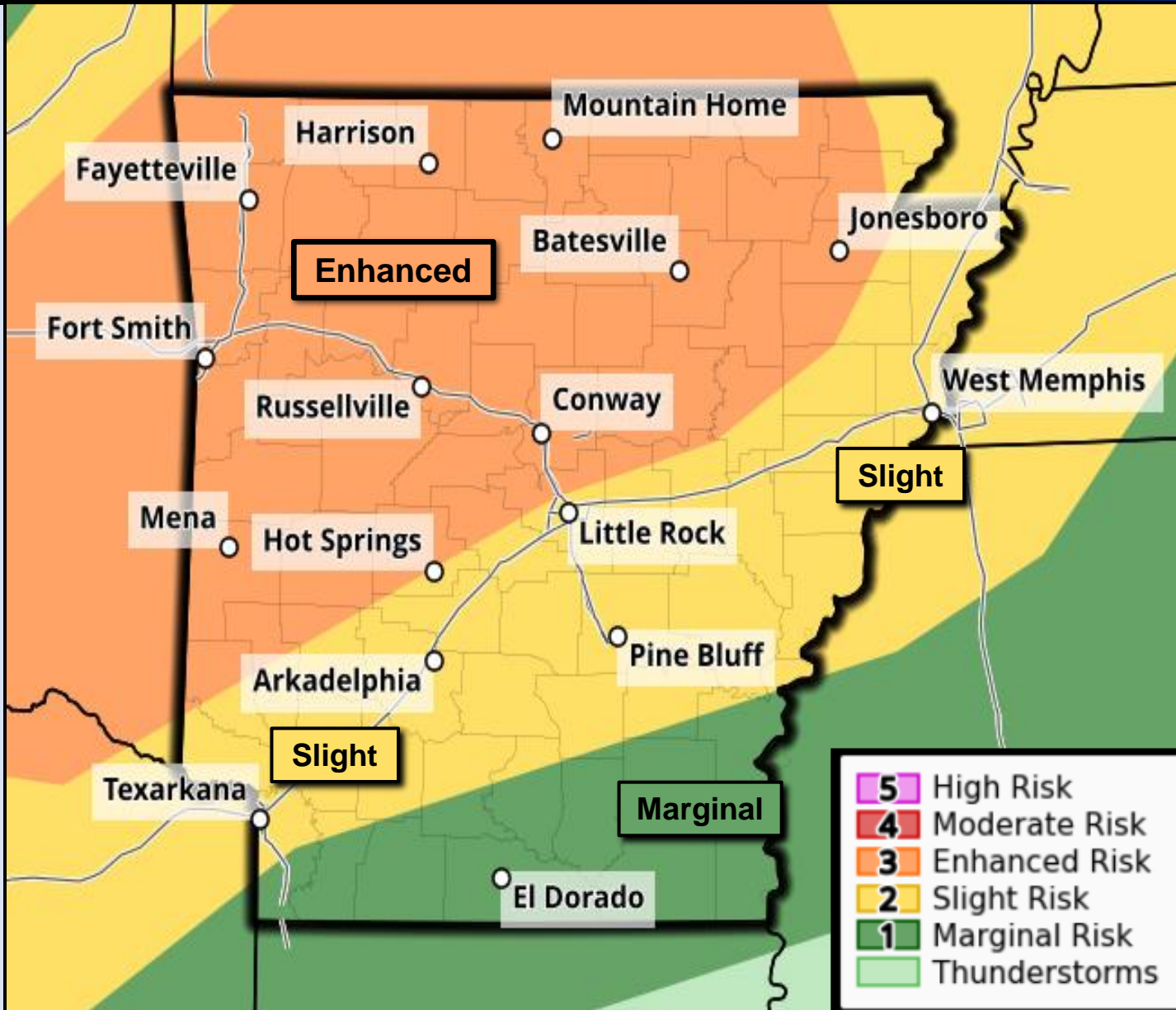
Severe Weather Possible For Much of Arkansas Today and Tonight

## **\*\*What's New With This Briefing\*\***

✓ **An expansion of the Enhanced Risk (3 out of 5) across portions of northeastern Arkansas and an inclusion of a 10% Tornado Risk Area.**

- A storm system arriving from the Central Plains will bring widespread showers and thunderstorms to Arkansas Thursday afternoon through Thursday night.
- Scattered severe thunderstorms are expected across the northwestern half of Arkansas Thursday afternoon and into Thursday night. The main concern will be large hail and damaging winds. A few tornadoes will be possible as well through the afternoon and overnight hours.
- The greatest overlap of severe thunderstorm ingredients (an unstable airmass and vertical wind shear) will lie over the western to northwestern portions of the state this afternoon and evening, and these areas will be where the risk for large hail, damaging winds, and a few tornadoes are most favorable.
- In addition to severe weather, heavy rainfall is forecast with this thunderstorm activity. A large portion of the state is expected to receive up to two to three inches of rainfall from this afternoon through Friday night. Some local flash flooding issues may arise as a result.

# Severe Weather Outlook: Today and Tonight (March 14)



- 5 High Risk
- 4 Moderate Risk
- 3 Enhanced Risk
- 2 Slight Risk
- 1 Marginal Risk
- Thunderstorms

Maximum Hail Size
Up to Softball
Up to Baseball
Up to Golf ball
Up to Quarter

Maximum Wind Speed
80+ mph
60-80 mph
Up to 60 mph

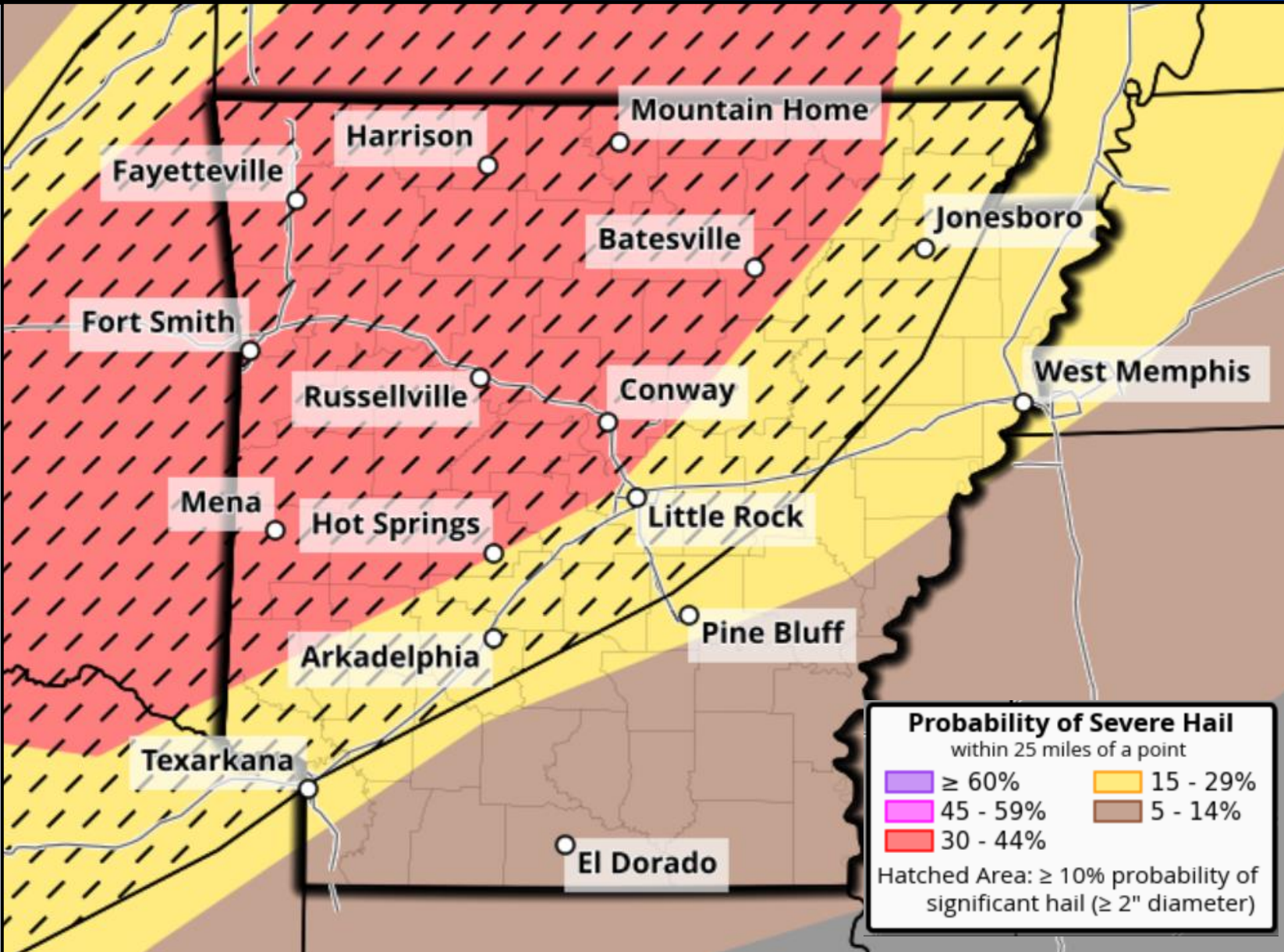
Tornado Potential
High
Medium
Low
Very Low

Scattered to widespread thunderstorms are forecast across much of the northwestern half of Arkansas this afternoon and evening.

Thunderstorm activity is expected to move into central and eastern Arkansas later this evening (after 6-7PM CDT) and into the overnight hours

All severe weather hazards will be possible, with the greatest concern being large and damaging hail.

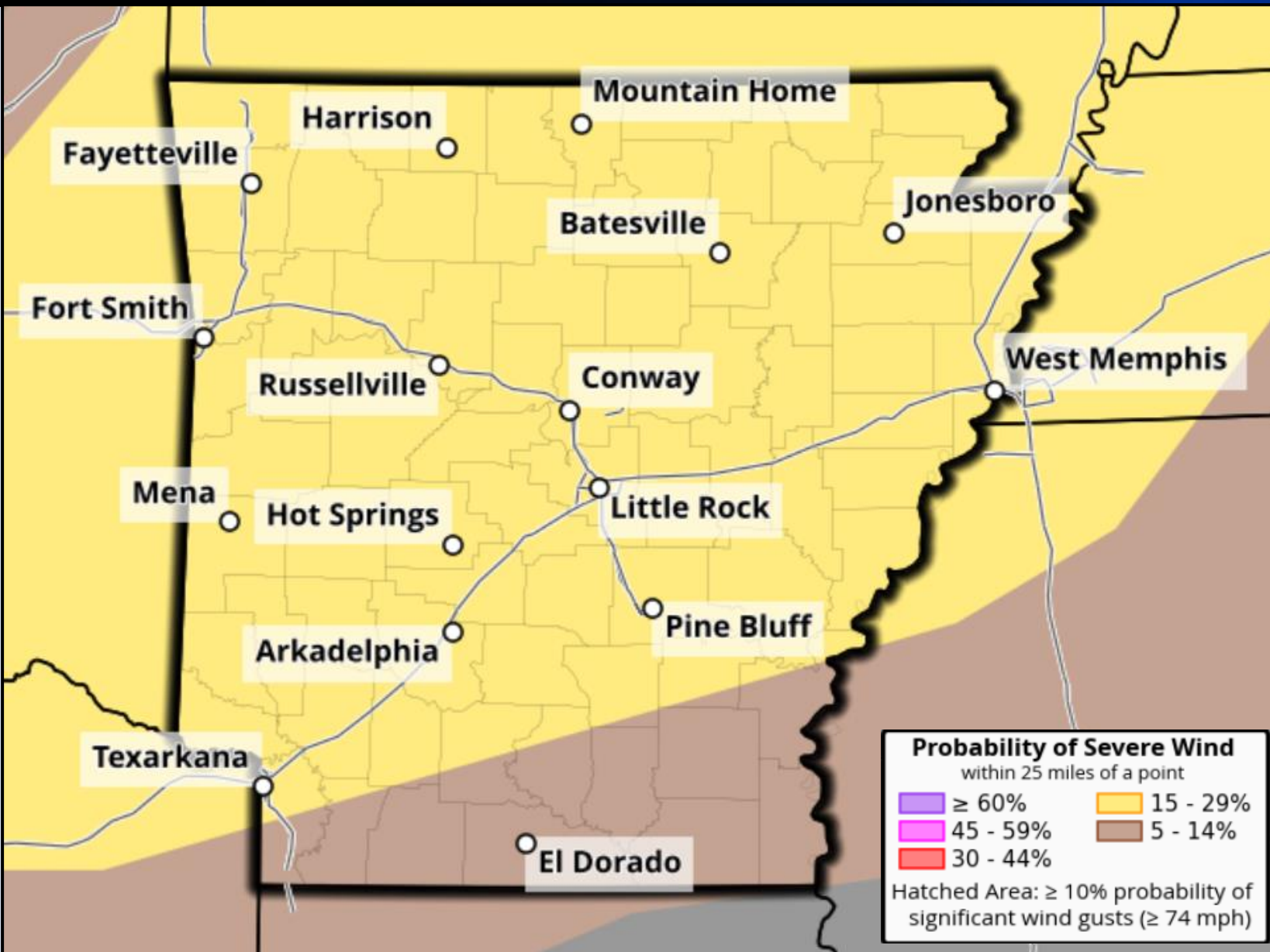
# Hail Risk: Today and Tonight (March 14)



Initially, the primary concern with thunderstorms this afternoon will be large and damaging hail.

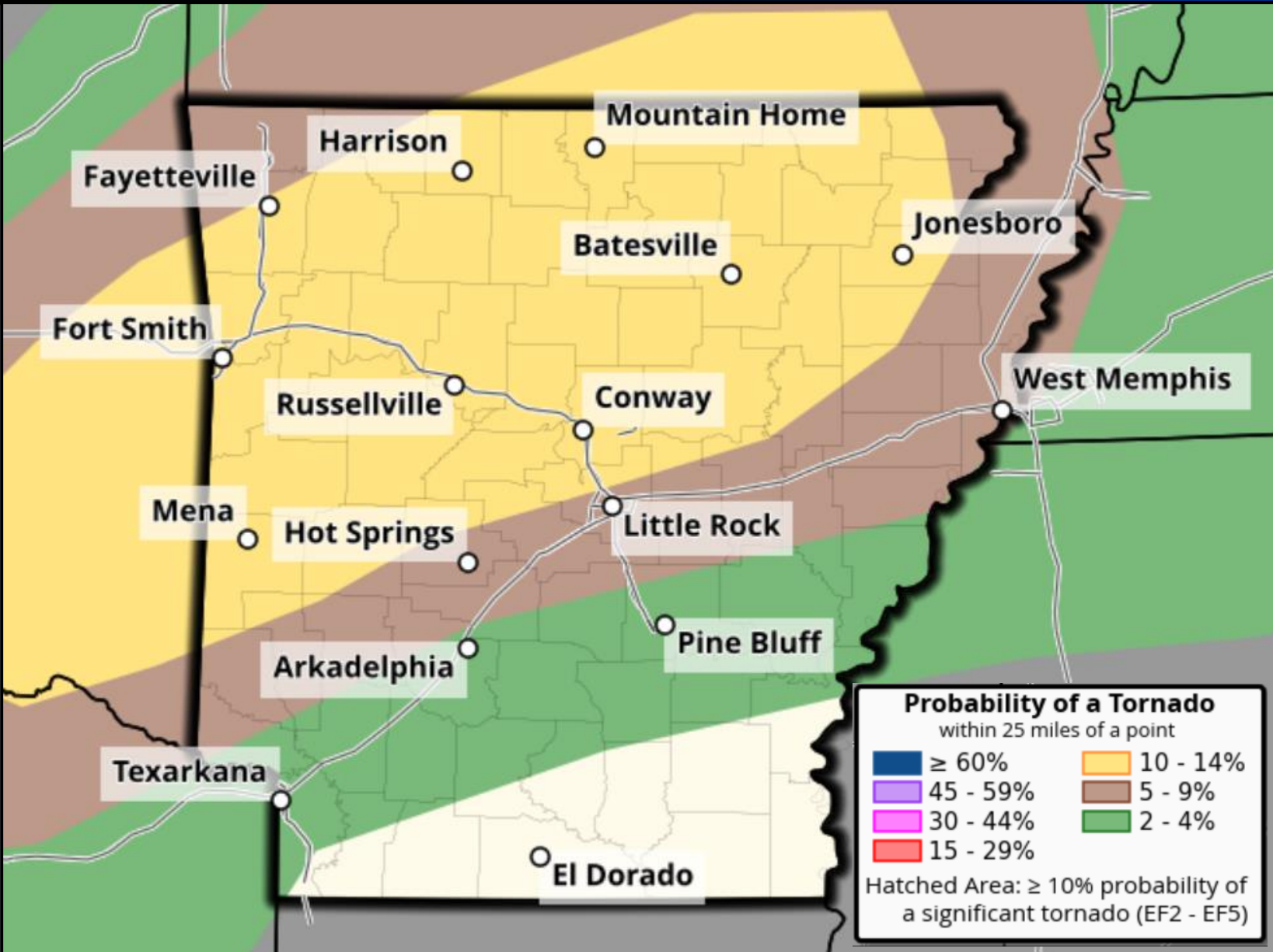
Hail (including significant hail that is two inches or greater in size) will be possible across a large portion of Arkansas today and tonight.

# Damaging Wind Risk: Today and Tonight (March 14)



Damaging thunderstorm winds will be possible across much of the state today and tonight.

The threat for severe winds will increase into the evening and overnight hours as storms merge and linear segments develop.



A few tornadoes will be possible this afternoon and through tonight.

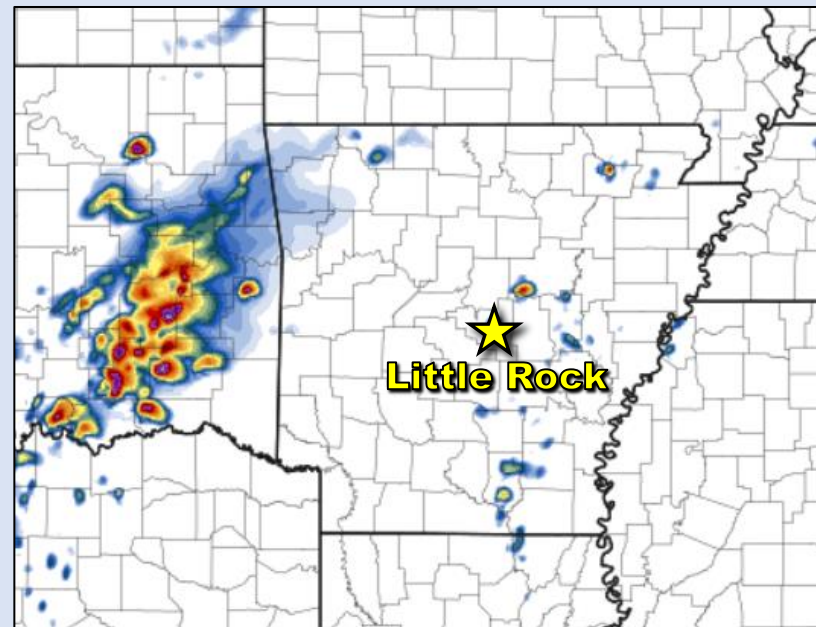
The *most likely* outcomes for tornadoes today would be as storms are moving into Arkansas as discrete supercells later this afternoon, AND/OR, once storm clusters transition to linear segments later tonight, a few QLCS tornadoes may be possible as well.

# Simulated Radar: Today and Tonight (March 14)

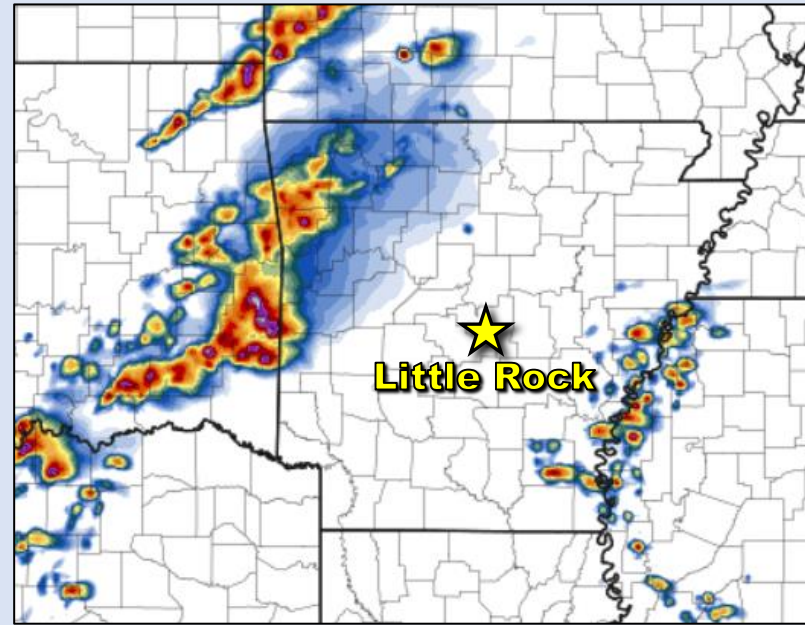
Weather Forecast Office  
Little Rock, AR



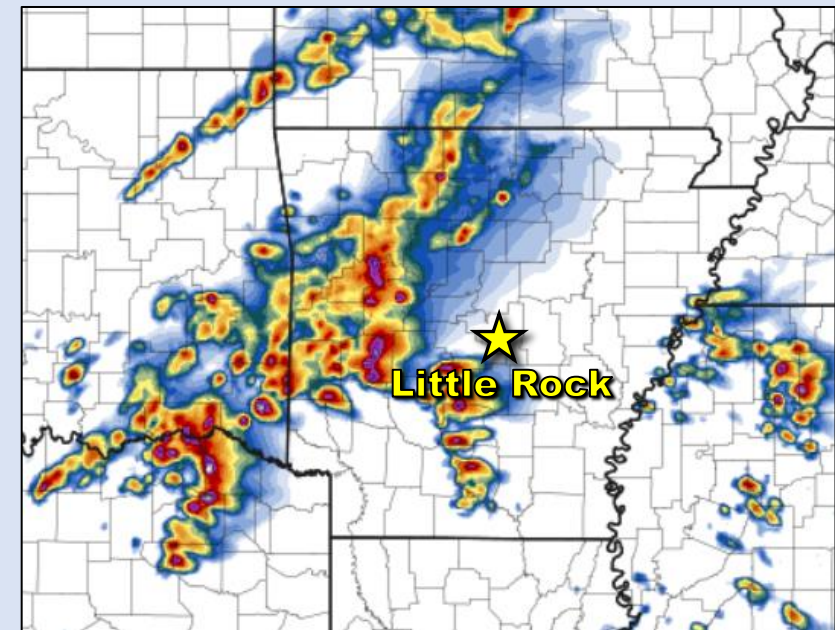
1-3 PM CDT Thursday



4-5 PM CDT Thursday



7-8 PM CDT Thursday



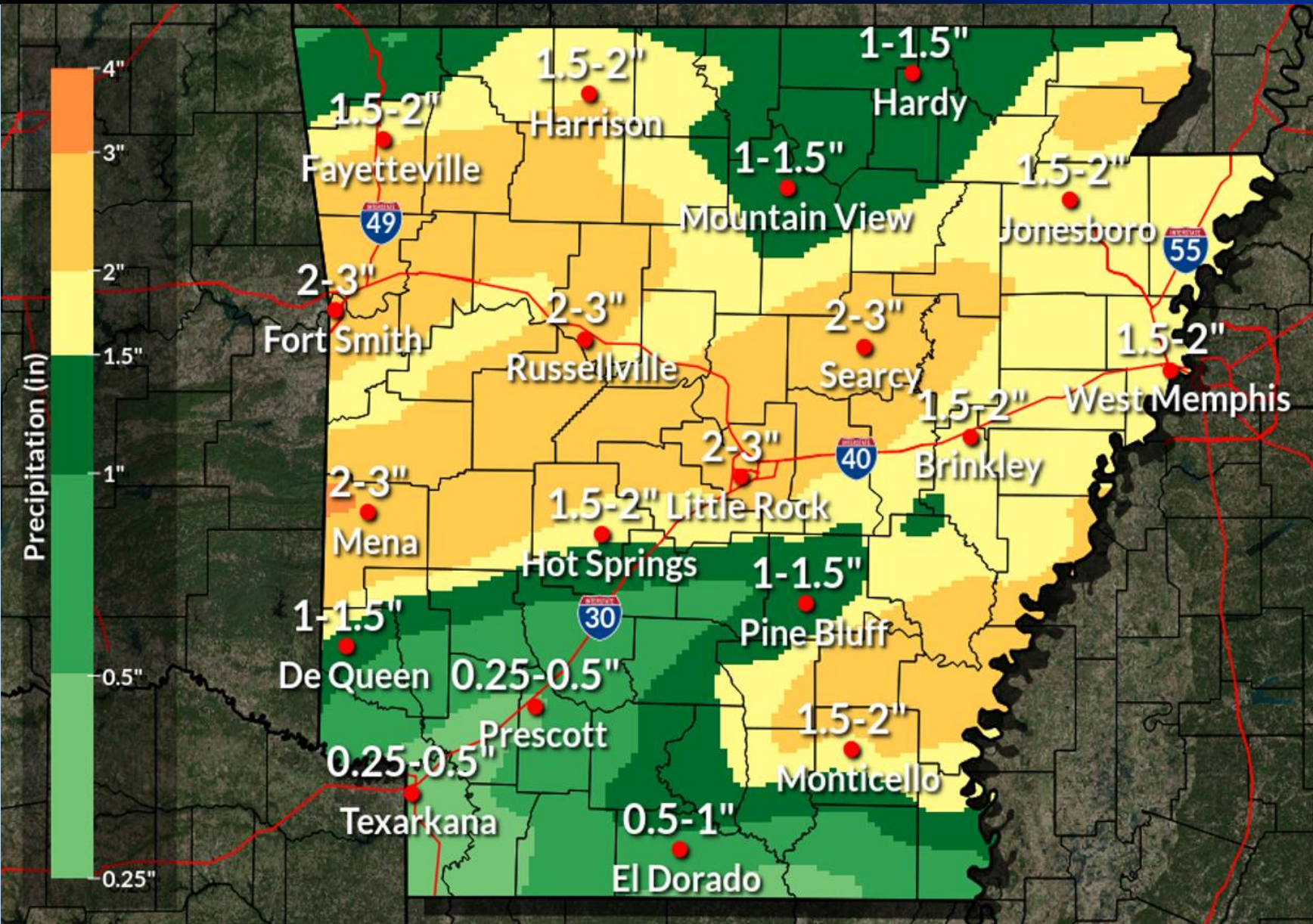
Scattered strong to severe thunderstorms are expected to develop in eastern Oklahoma this afternoon, and move into Arkansas later this afternoon and early evening. These storms will be capable of all severe hazards through later tonight.

Graphics Courtesy of  
Pivotal Weather

\*\*Note that this is provided as a representation of how and where storms *may* develop and evolve through tonight, and is only representative of a single model run.

# Forecast Rainfall: Today through Friday Night

Weather Forecast Office  
Little Rock, AR



Scattered to widespread thunderstorms are expected to impact much of Arkansas this afternoon and through Friday morning.

The forecast rainfall totals depict a large area across the state that could receive between two to three inches (or more) of rainfall.

Flash flooding will be possible, especially under efficient rainfall producing storms.





# For the latest information



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