



Potential for Severe Thunderstorms Ahead this Week

May 21, 2024
4:22 AM

Several Rounds of Thunderstorms

Key Messages

- **Late this Afternoon into Tonight:** Slight (2 of 5) to Enhanced (3 of 5) risk for strong to severe thunderstorms.
- **Wednesday Afternoon into Wednesday Evening:** Slight (2 of 5) to Enhanced (3 of 5) risk for strong to severe thunderstorms.
- **Thursday Afternoon into Thursday Evening:** Marginal (1 of 5) to Slight (2 of 5) risk for strong to severe thunderstorms.
- Potential for localized heavy rainfall and flash flooding, with the highest chances on Wednesday.

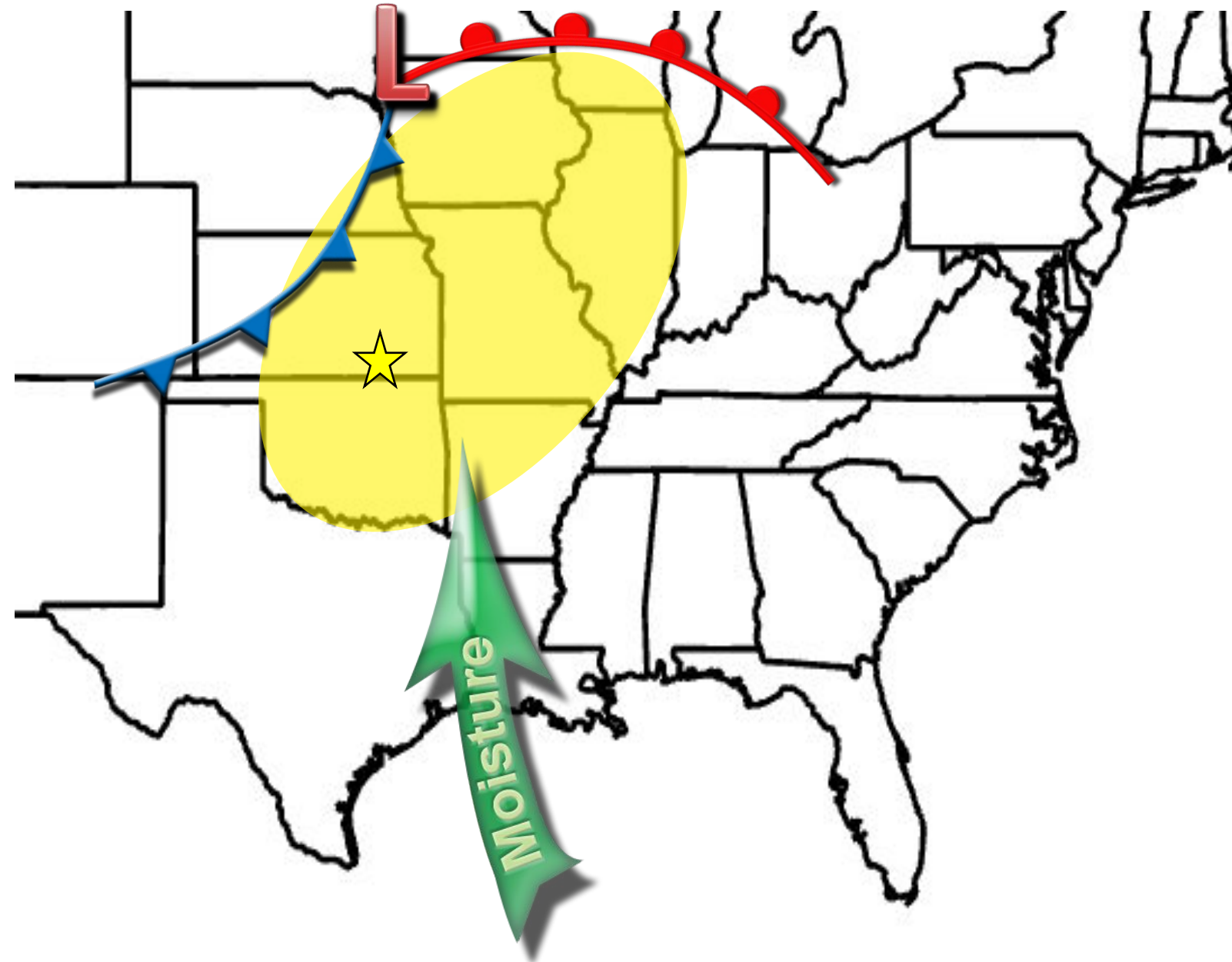
NEW

Important Updates

- Updated Severe Weather Outlooks through Thursday.
- Updated Excessive Rainfall Outlook on Wednesday.

Next Scheduled Briefing

- This Afternoon (May 21) by 4 pm.





Today's Severe Weather Outlook

May 21, 2024
4:22 AM

Between 4 pm - 12 am

Overview

- A broken line of strong to severe thunderstorms moves through the area late this afternoon into tonight.
- Highest chances for severe thunderstorms is along and north of a line from Nevada, MO to Osage Beach, MO.
- Primary hazards will be damaging wind gusts and large hail. Additional hazards include: brief spin-up tornadoes and localized flash flooding.

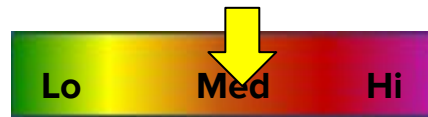
Severe Threats



Tornado



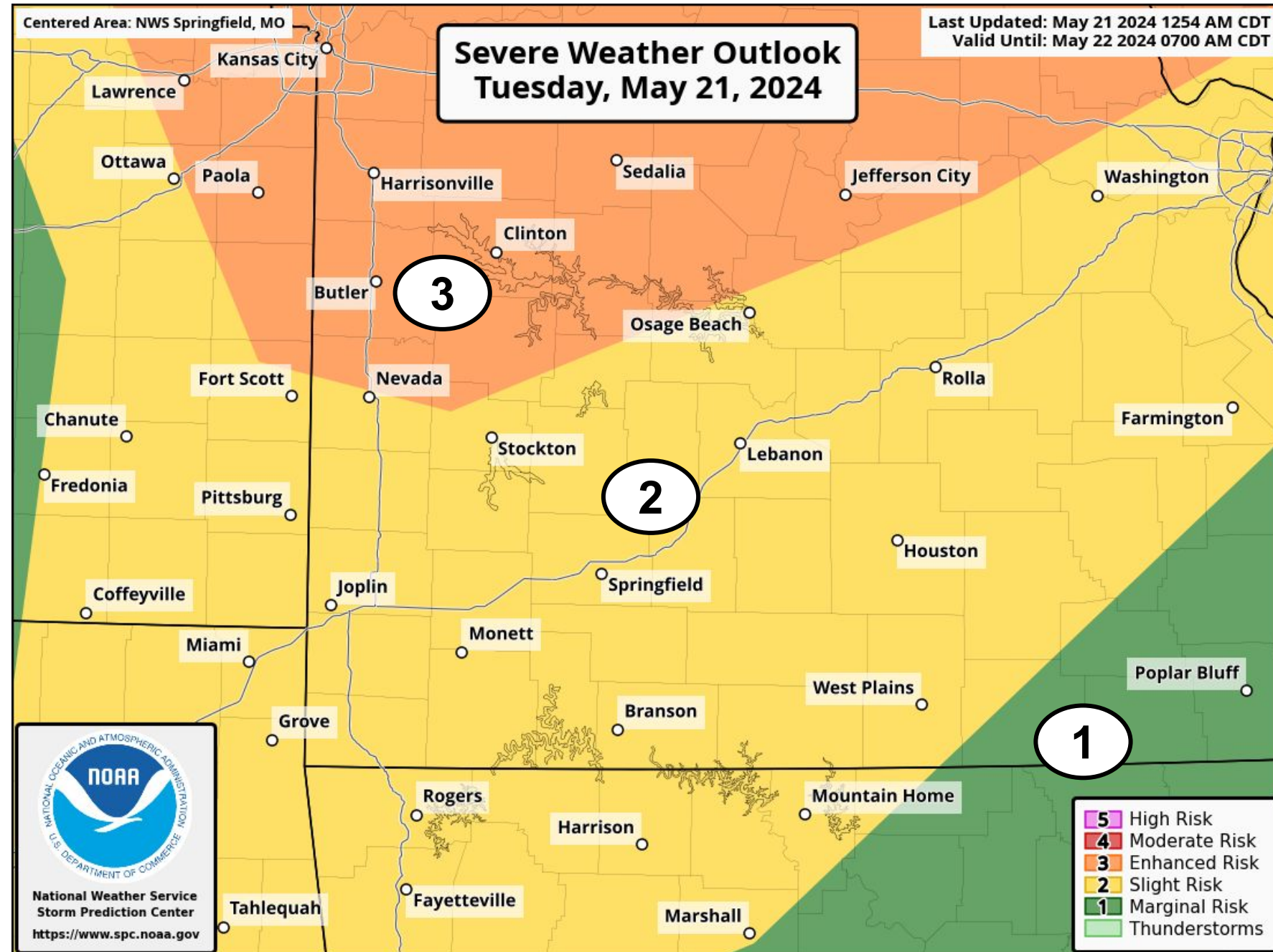
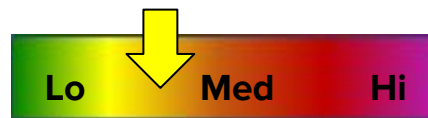
Hail



Wind



Flooding



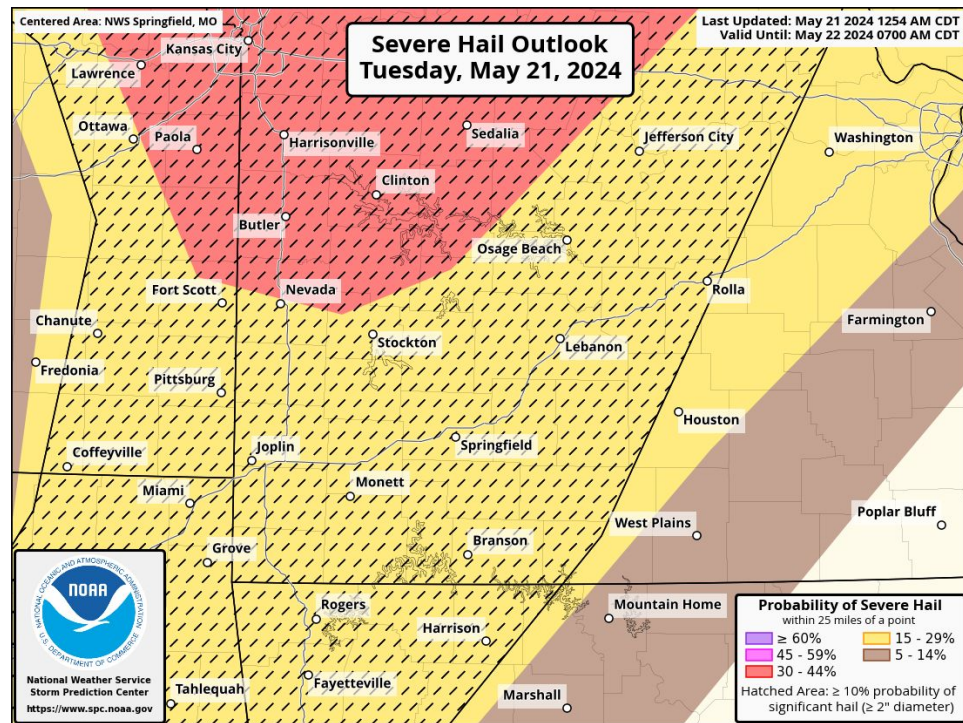


Today's Severe Weather Hazards

May 21, 2024
4:22 AM

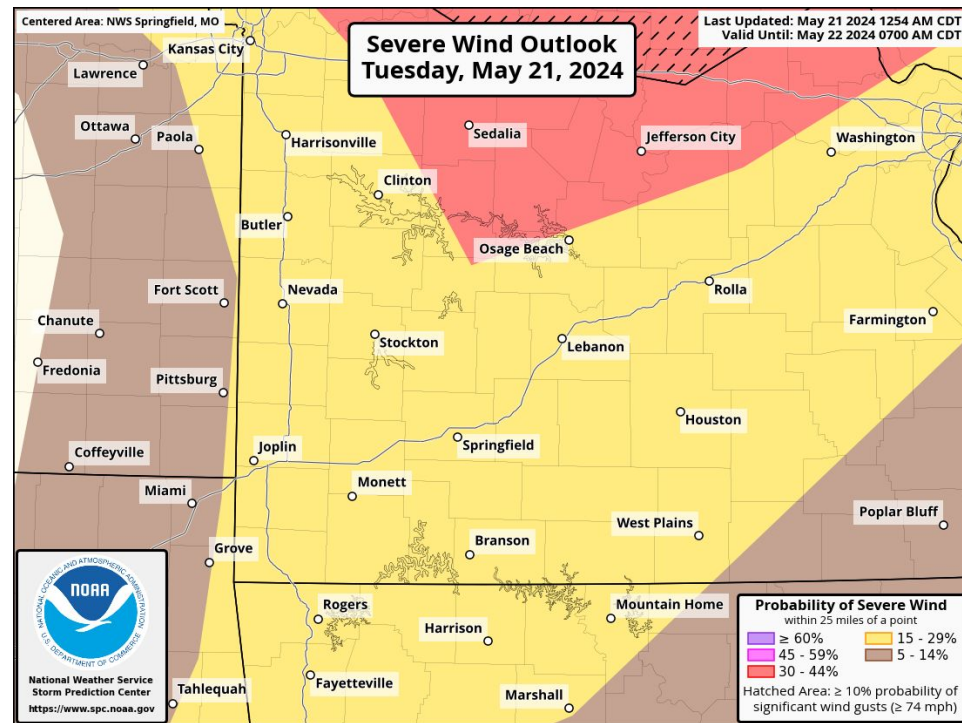
Wind and Hail are Primary Hazards

Hail Probability



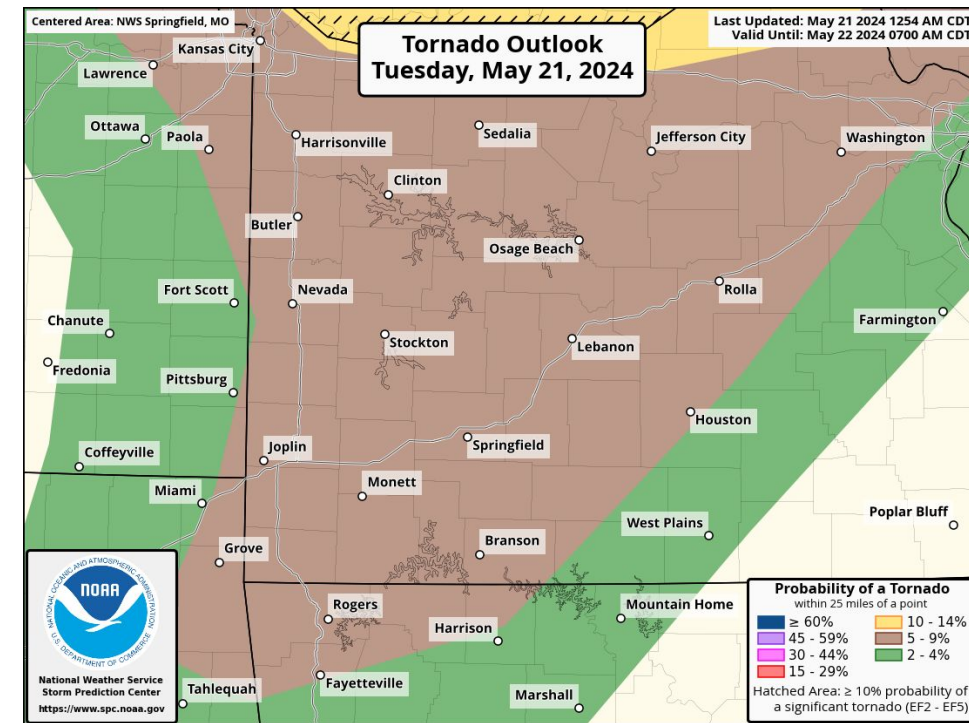
Up to 2 inches in diameter

Wind Probability



60 to 70 mph

Tornado Probability



Brief Spin up Tornado



Wednesday Severe Weather Outlook

May 21, 2024
4:22 AM

Early Wednesday Afternoon - Wednesday Evening

Overview

- Potential for strong to severe thunderstorms early Wednesday Afternoon through Wednesday evening.
- Highest chances for severe thunderstorms is along and south of a line from Branson to West Plains.
- Primary hazards will be damaging wind gusts and large hail. Additional hazards include: brief spin-up tornadoes and localized flash flooding.

Severe Threats



Tornado



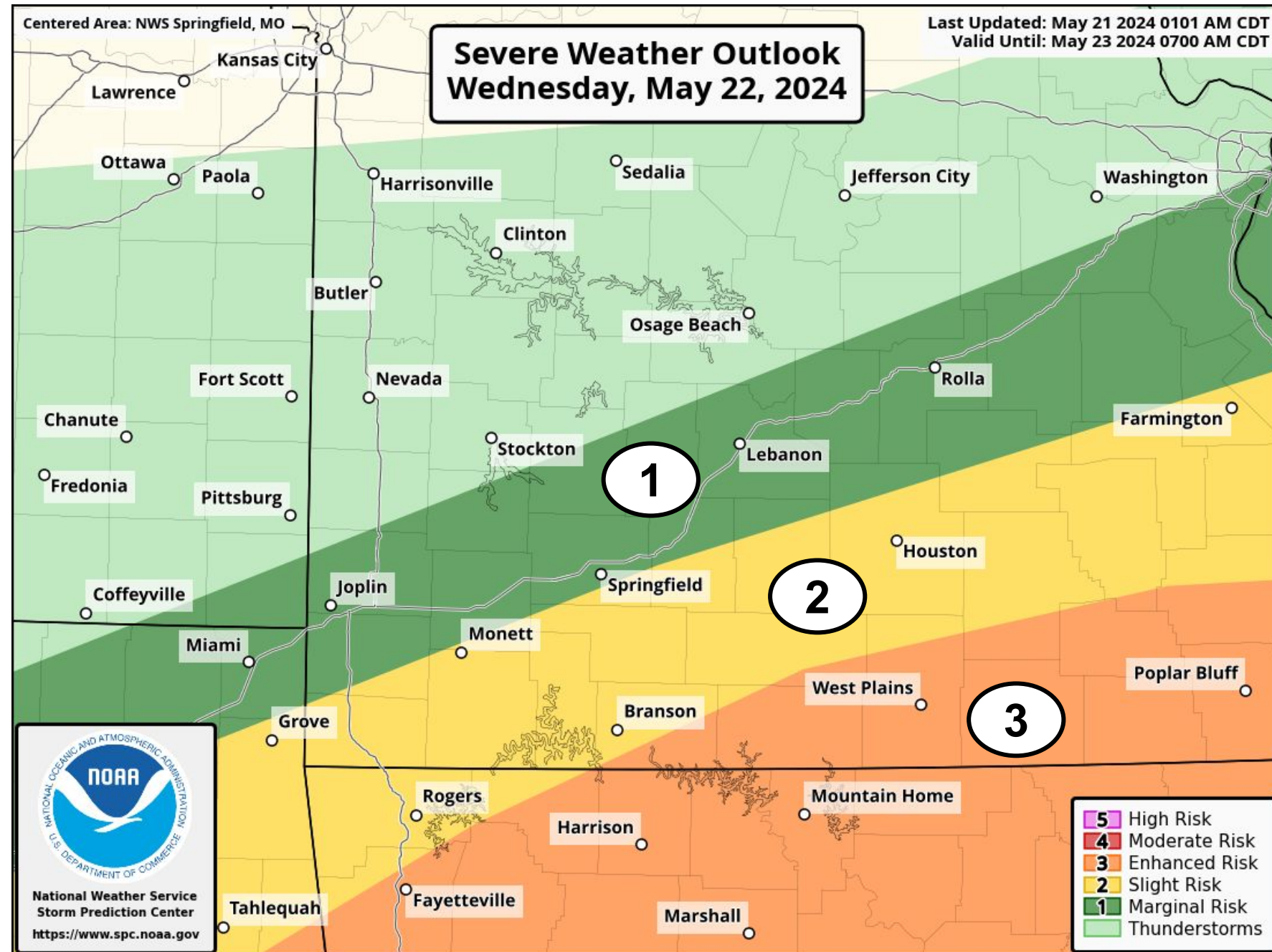
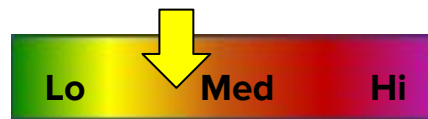
Hail



Wind



Flooding



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Springfield, MO

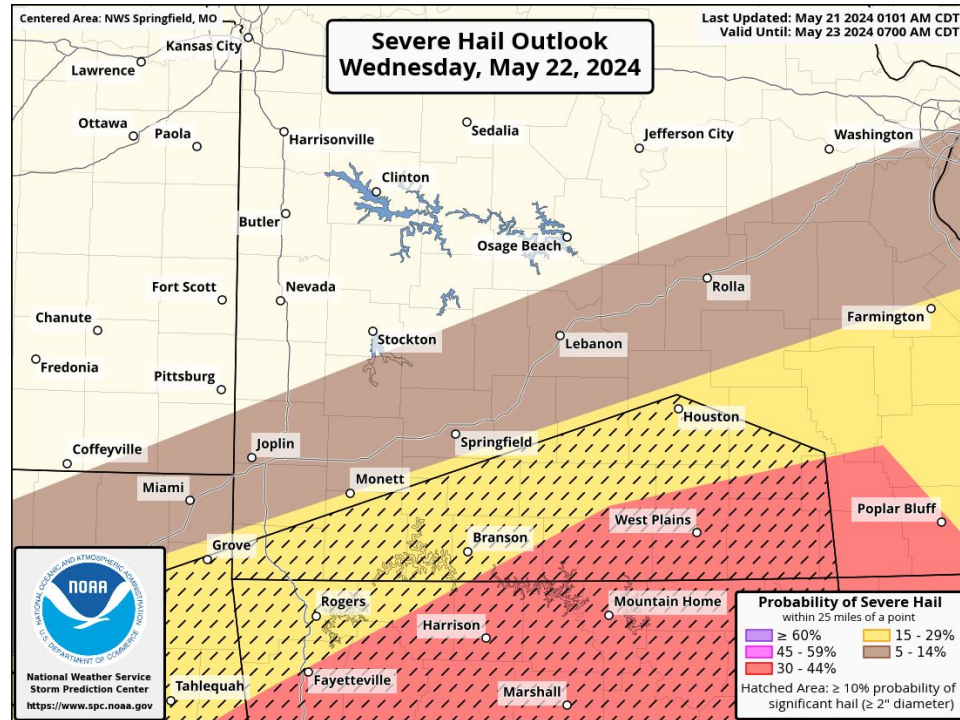


Wednesday Severe Weather Hazards

May 21, 2024
4:22 AM

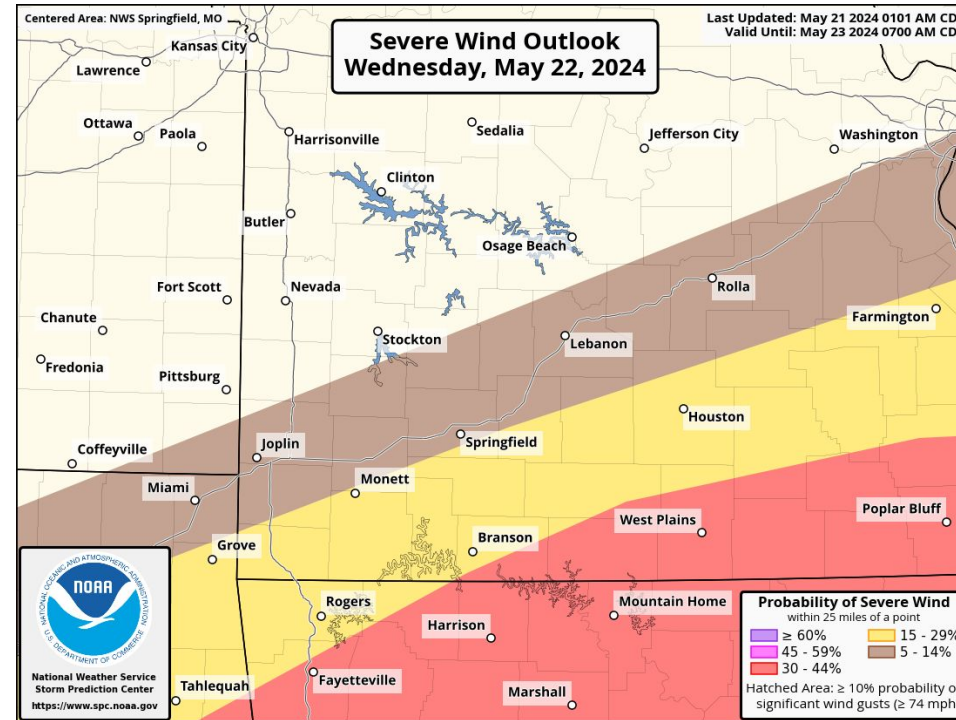
Wind and Hail are Primary Hazards

Hail Probability



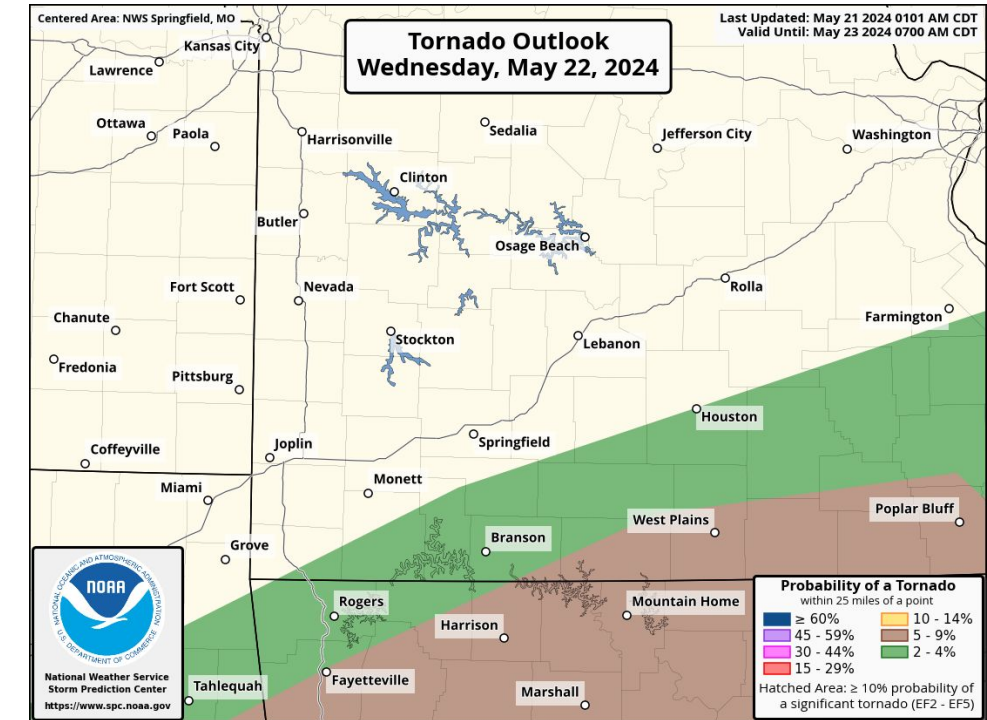
Up to 2 inches in diameter

Wind Probability



60 to 70 mph

Tornado Probability



Brief Spin up Tornado



Thursday Severe Weather Outlook

May 21, 2024
4:22 AM

Thursday Evening into Thursday Night

What

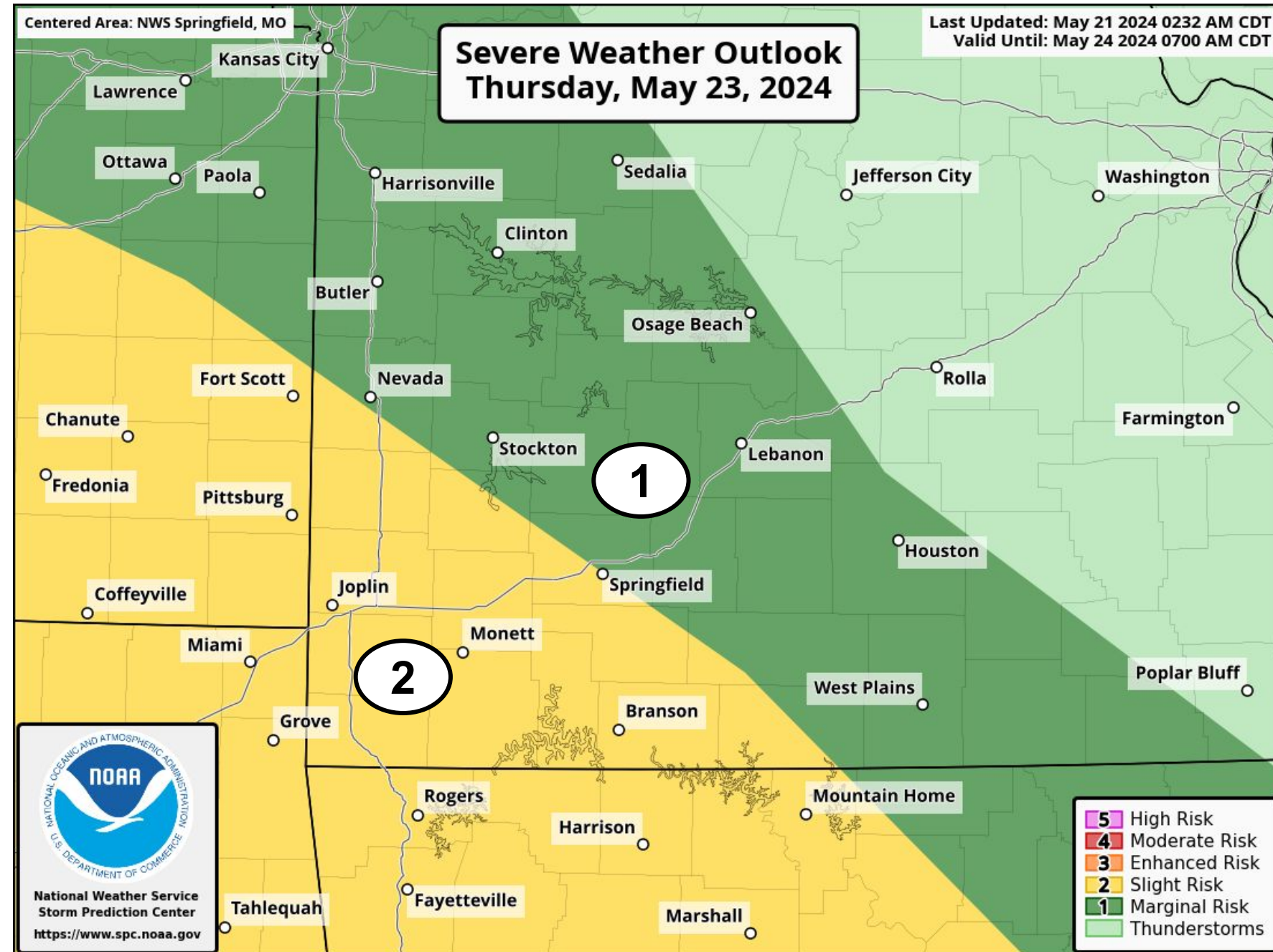
- Potential for a few strong to severe thunderstorms capable of producing large hail and damaging wind gusts.

Where

- Greatest severe chances across southeast KS into southwest MO.

When

- Thursday Evening into Thursday Night.





Excessive Rainfall Outlook Wednesday

May 21, 2024
4:22 AM

Potential for Localized Flash Flooding

What

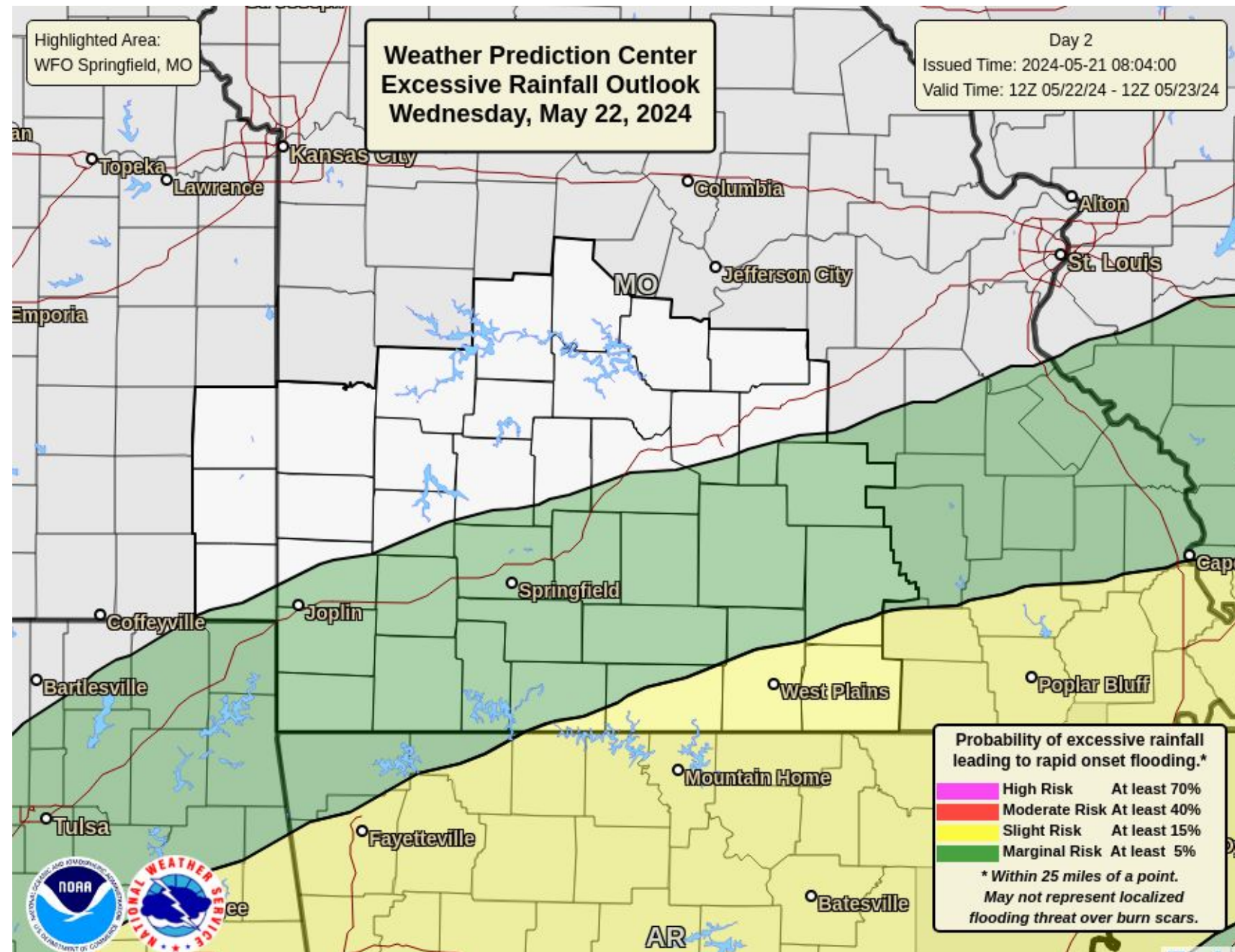
- Multiple rounds of thunderstorms to move through the area this week. Heaviest rainfall expected Wednesday. Localized heavy rainfall and flash flooding may occur across portions of the area.

Where

- Highest chances for heavy rainfall and localized flash flooding will be across portions of southern Missouri, generally south I-44.

When

- This Evening through Wednesday night.
- Additional localized flooding concerns through the weekend as chances for thunderstorms exist each day after Wednesday.





For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [SPC Convective Outlooks](#)
- [WPC Excessive Rainfall Outlooks](#)
- [WPC Precipitation Outlooks](#)
- [AHPS Lakes and Rivers](#)
- [Submit Storm Reports](#)

Thunderstorms can escalate quickly.

Clear skies can quickly turn dark and ominous, whether due to pop-up thunderstorms or squall lines. Be prepared!



Set up a way to get weather warnings on your phone



When alerted to a storm, get inside a sturdy building immediately



Stay away from windows once indoors



If a building isn't nearby, get inside a vehicle



weather.gov



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