



Severe Thunderstorm and Flooding Potential

April 27, 2025
4:51 AM

Late Monday Night into Tuesday

Key Messages

- Potential for strong to severe thunderstorms to move through the region late Monday night through Tuesday.
- Primary hazards are damaging winds and large hail.
- Potential for heavy rainfall and flooding linger through Wednesday and Thursday, with additional rounds of showers and thunderstorms expected.

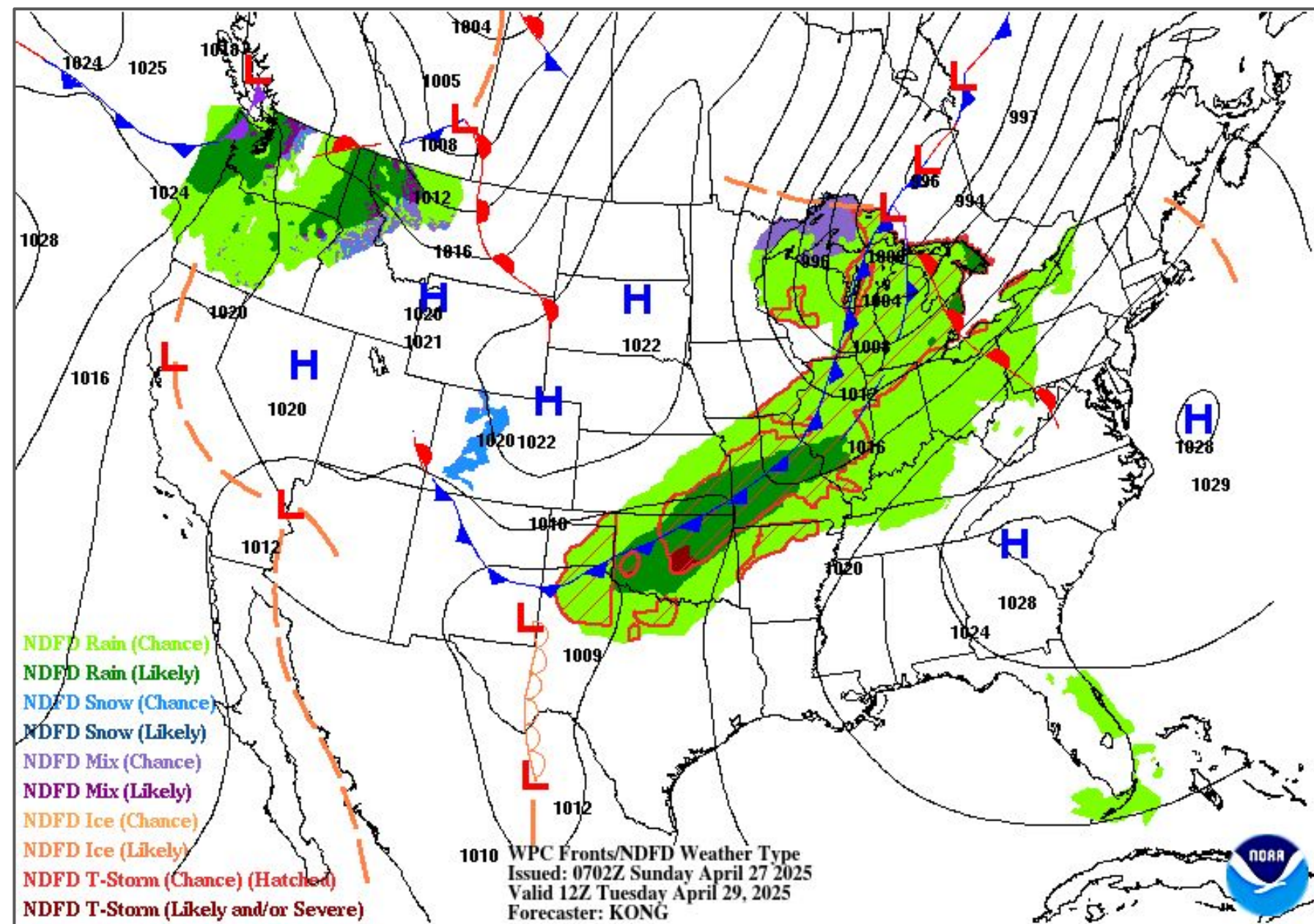
NEW

Important Updates

- Updates Severe Weather Outlooks, Excessive Rainfall Outlooks, and timing.

Next Scheduled Briefing

- Mid to late afternoon



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

National Weather Service
Springfield, MO



Severe Weather Outlook Overnight Monday

April 27, 2025
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Late Monday Night into Tuesday Morning

Overview

- Potential for strong to severe thunderstorms late Monday night into Tuesday morning.
- Highest chances along and north of the Interstate 44 corridor.
- Primary hazards are damaging winds and large hail.

Severe Threats



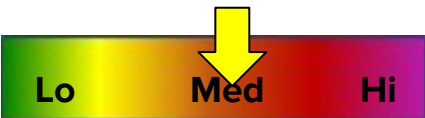
Tornado



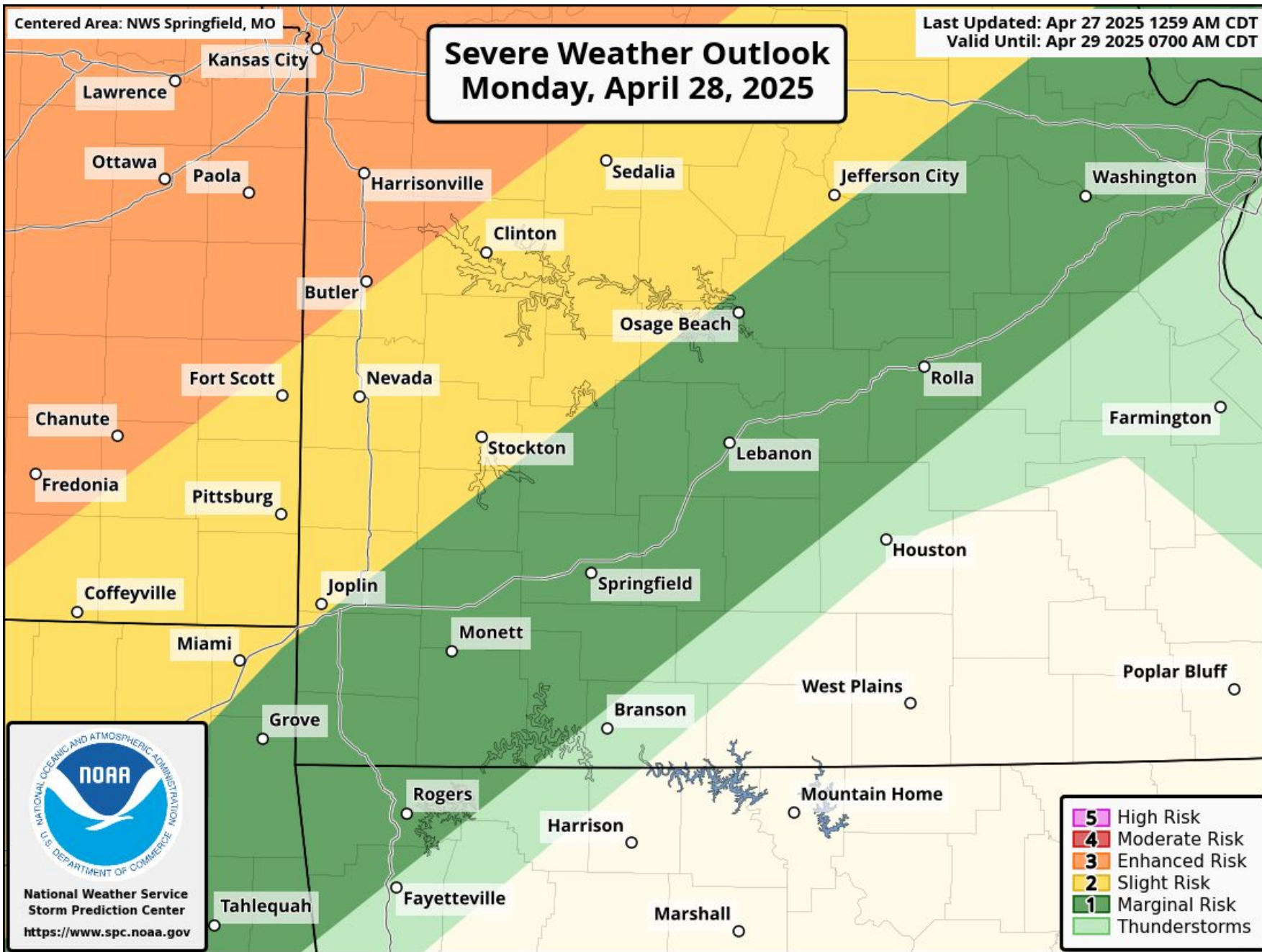
Hail



Wind



Flooding



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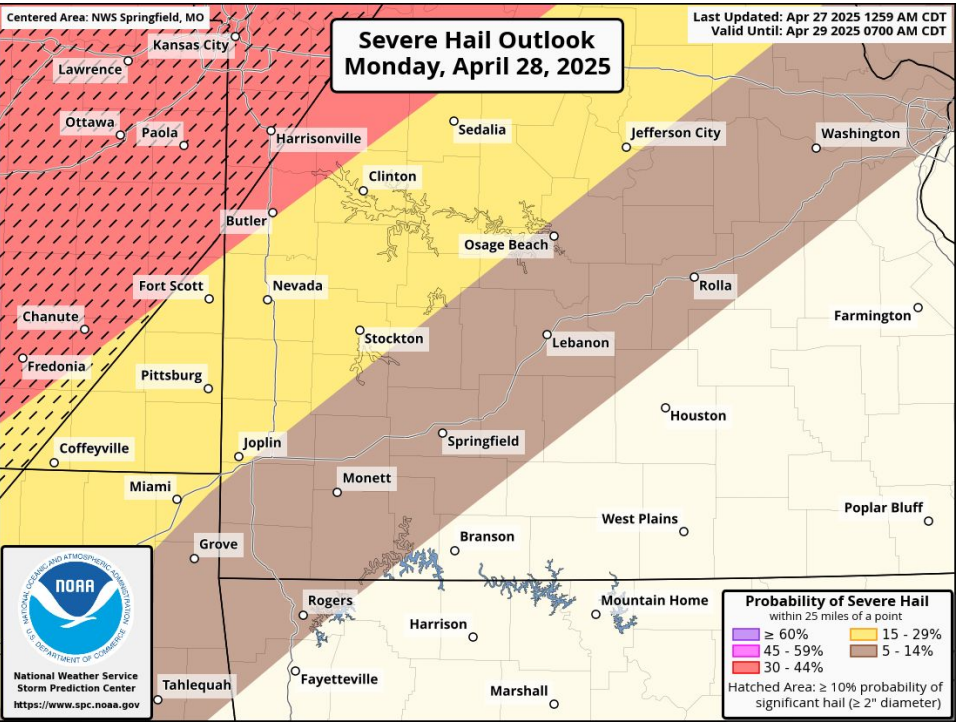
Hazard Probabilities

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Late Monday Night into Tuesday Morning



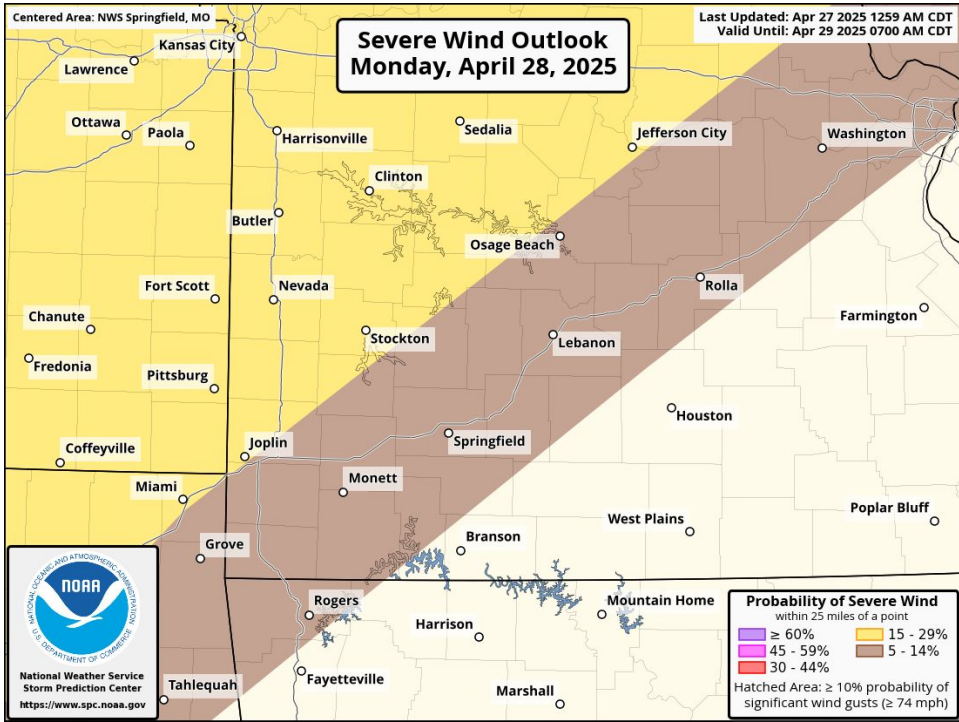
Hail Probability



Pennies	Quarters	Golf Balls	Baseballs
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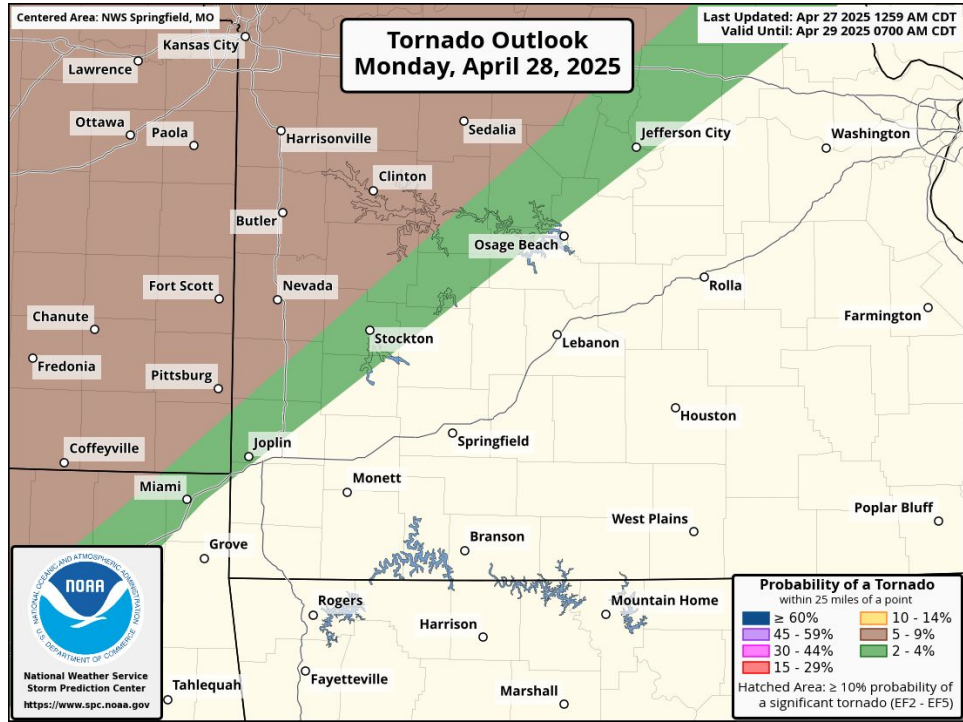
Wind Probability



< 60 mph	60-70 mph	70-80 mph	>80 mph
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Tornado Probability



Very Low	Low	Moderate	High
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Severe Weather Outlook Tuesday

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Tuesday Morning through Tuesday Evening

Overview

- Additional potential for strong to severe thunderstorms through Tuesday.
- Highest chances along and south of the Interstate 44 corridor.
- Primary hazards are damaging winds and large hail.

Severe Threats



Tornado



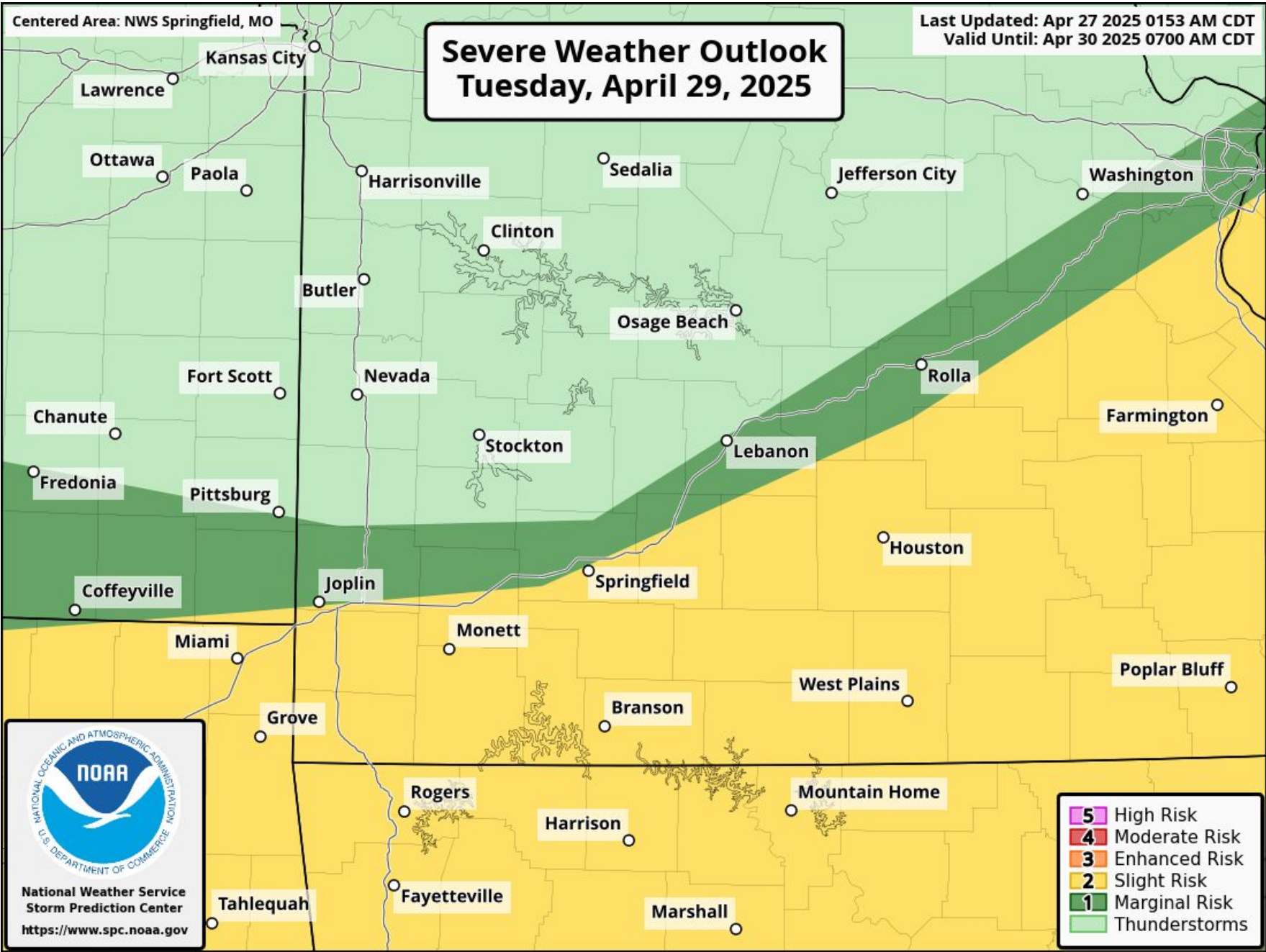
Hail



Wind



Flooding



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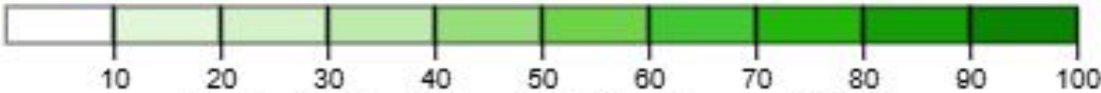
Timing of Thunderstorm Chances

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Late Monday Night through Thursday

	4/28 Mon		4/29 Tue								4/30 Wed								5/1 Thu				
	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm
Warsaw	20	20	60	60	75	75	75	65	70	70	70	70	75	75	75	75	75	75	80	80	80	80	80
Osage Beach	15	15	50	50	75	75	75	70	70	70	70	70	75	75	75	75	75	75	80	80	80	80	80
Rolla	5	5	35	35	60	60	70	70	70	70	70	70	75	75	75	75	75	70	80	80	80	80	80
Bolivar	15	15	50	50	80	80	80	80	80	75	75	70	85	85	85	80	80	80	80	80	80	80	80
Pittsburg, KS	20	20	65	65	75	75	75	75	75	75	75	75	75	75	80	80	80	80	80	80	80	70	70
Joplin	15	15	55	55	75	75	80	80	80	80	80	70	75	75	85	85	85	80	80	70	70	70	70
Springfield	10	10	40	40	75	75	80	80	80	80	80	70	85	85	85	80	85	85	85	80	80	75	75
Mountain Grove	5	5	25	25	55	55	70	70	75	75	75	75	75	75	80	80	80	80	80	80	80	75	75
Branson	5	5	25	25	50	50	70	70	75	75	75	70	75	75	80	80	80	80	80	70	70	70	70
West Plains	0	0	15	15	35	35	55	55	70	70	70	70	70	65	75	75	75	75	80	80	80	70	70

Potential for strong to severe thunderstorms



Probability of Precipitation Forecast (%)

(Sorted geographically from Northwest to Southeast)

Don't see your city? Check out weather.gov/forecastpoints

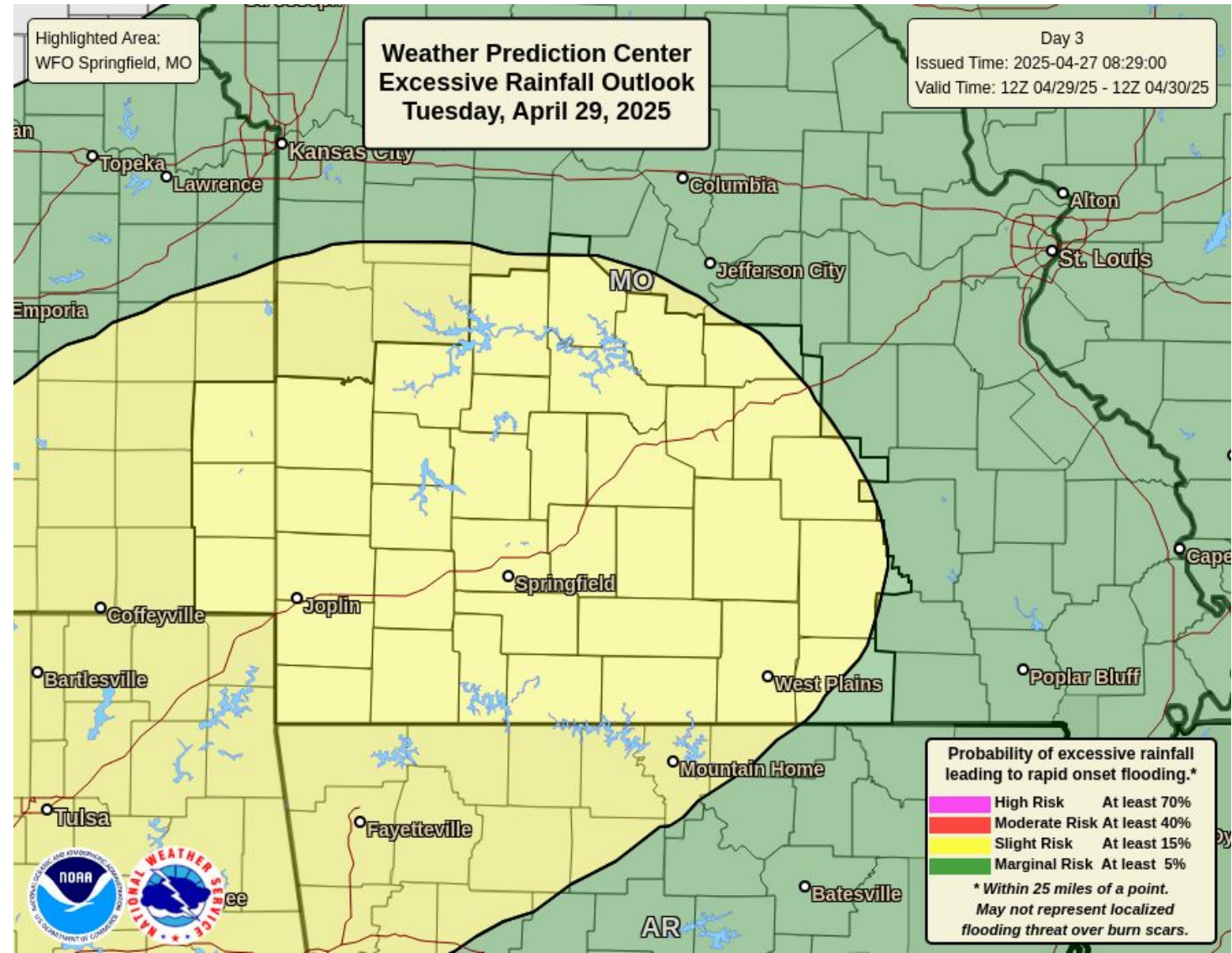




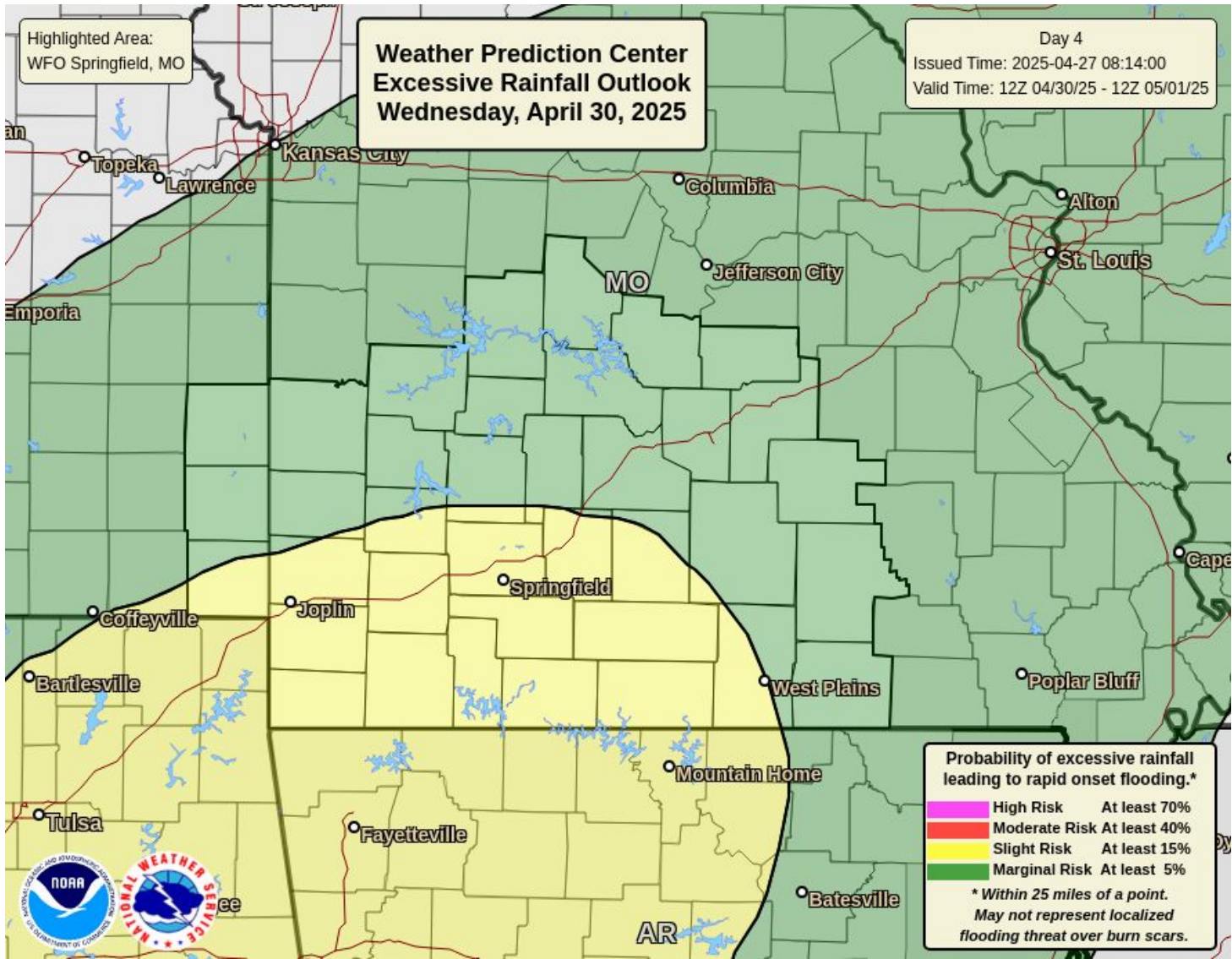
Excessive Rainfall Outlooks

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Tuesday and Wednesday



Tuesday



Wednesday



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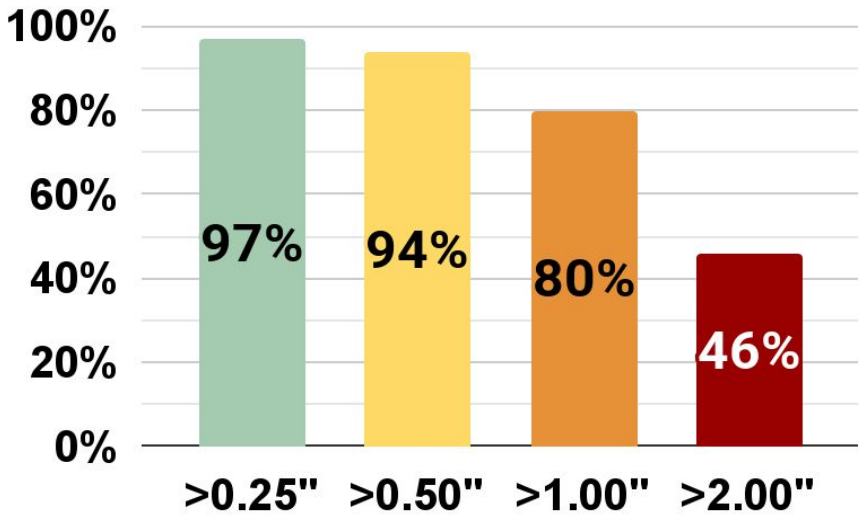


Probabilistic Rainfall Amounts

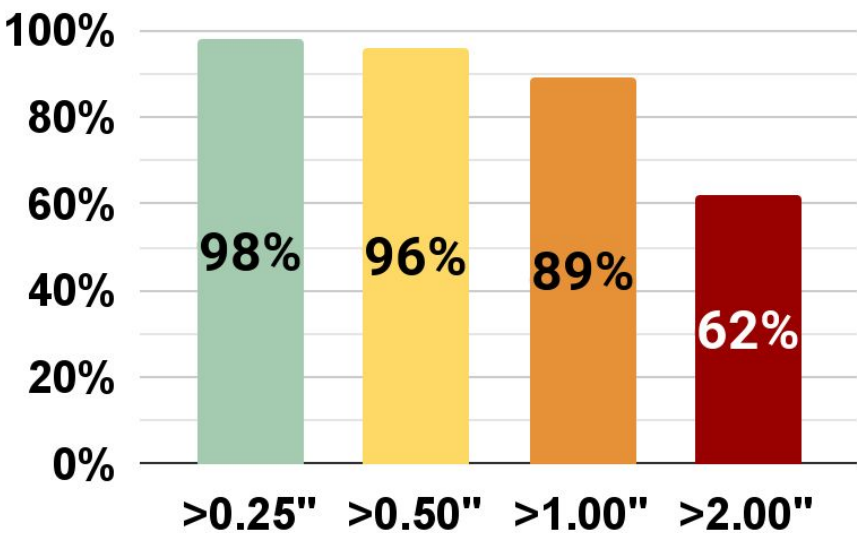
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Monday through Thursday

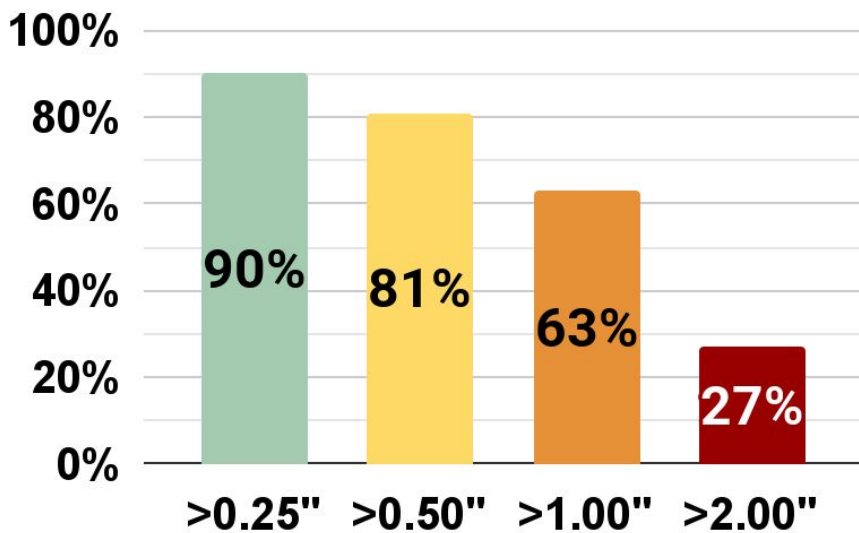
Springfield Rainfall Potential



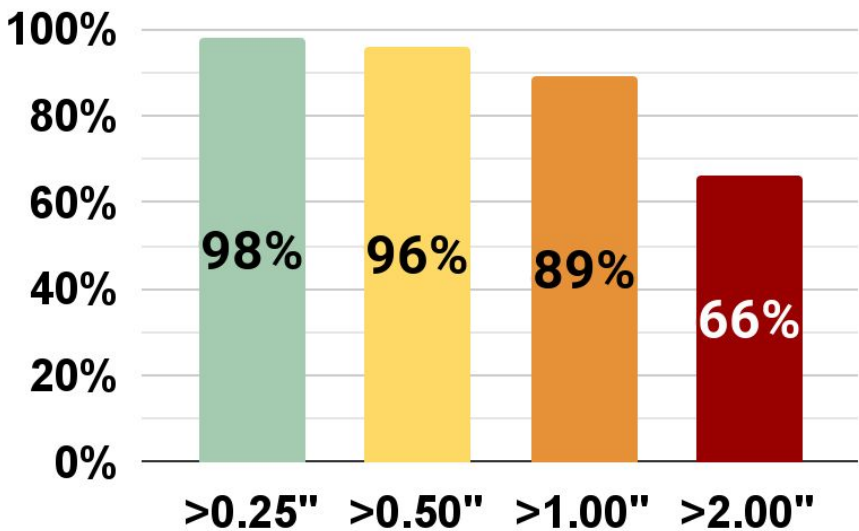
Joplin Rainfall Potential



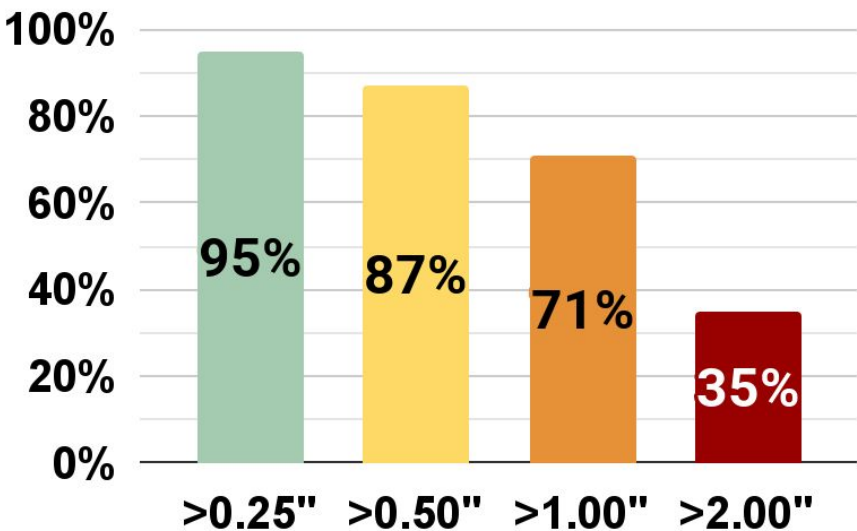
West Plains Rainfall Potential



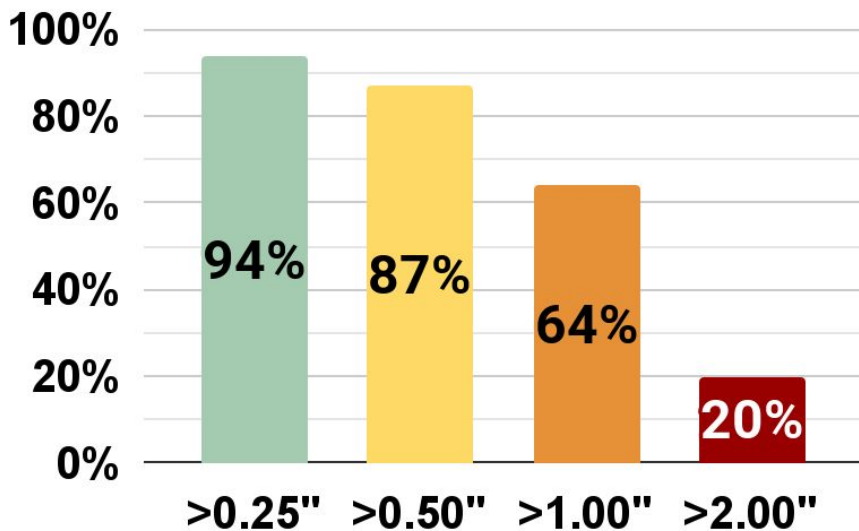
Nevada Rainfall Potential



Branson Rainfall Potential



Rolla Rainfall Potential





Confidence Levels

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Location



Timing



Hazard Type



Confidence Details

- Storms will develop across the plains on Monday ahead of a cold front and move southeast into the area as early as Monday night and especially on Tuesday.
- Primary hazards will be damaging wind gusts and large hail.
- The front will stall of the area through mid week with multiple rounds of rain. This increases the potential for flooding as we progress through the week, especially given saturated soils.

Alternate Scenarios

- Storms could move into the northwestern portions of the area Monday night, but also could hold off until Tuesday morning/afternoon.





Additional Resources

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For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [SPC Convective Outlooks](#)
- [Submit Storm Reports](#)



SLIGHT RISK

Scattered severe storms possible.

Short-lived and not widespread -- isolated intense storms possible.

Plan ahead if you have outdoor plans and have a way to get NWS warnings.

weather.gov



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