



# Severe and Flood Potential Fri - Sun

April 25, 2024  
5:18 AM

Highest severe potential Saturday Night - Sunday

## Key Messages

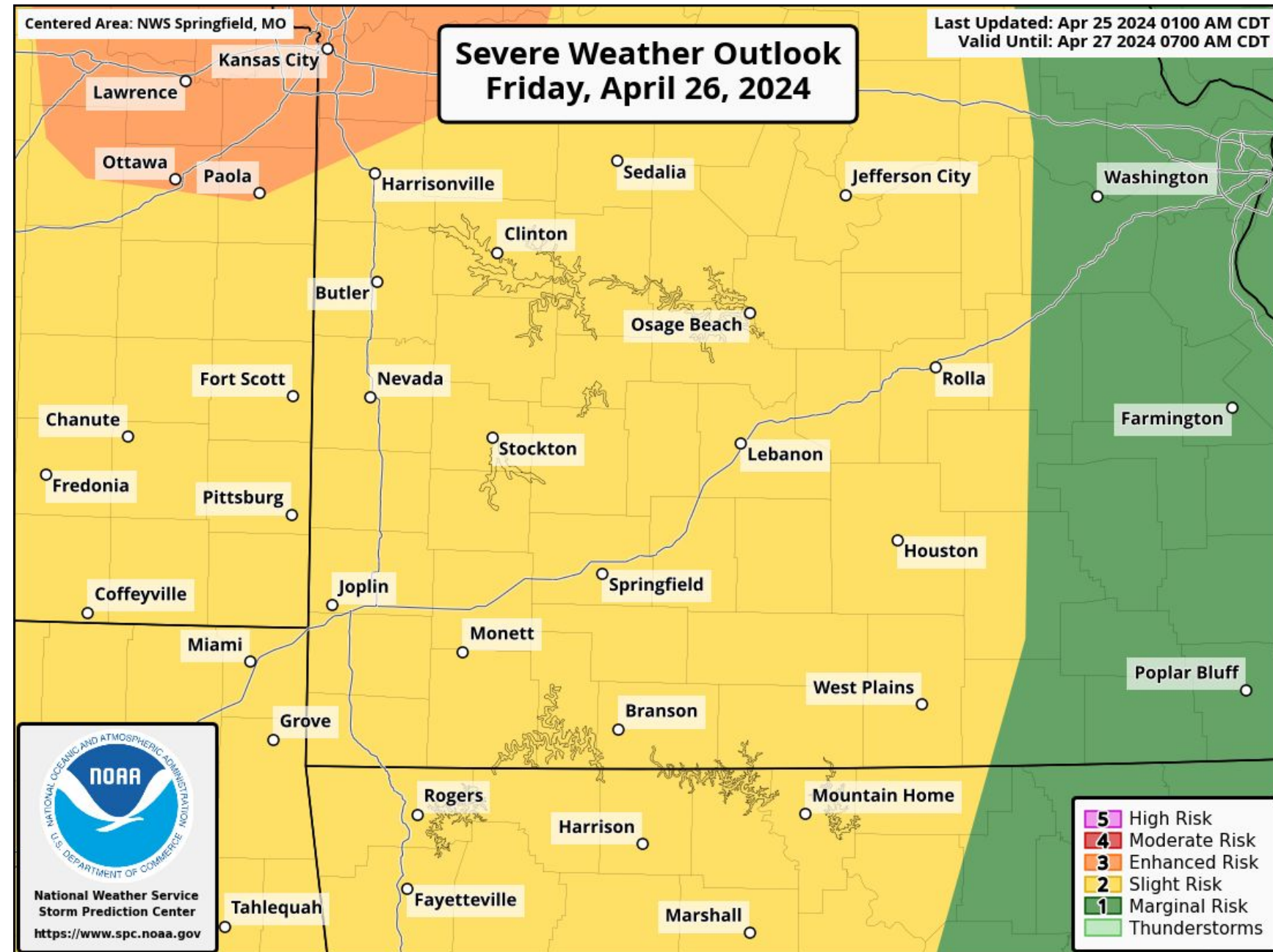
- Multiple rounds of storms will move through the region Today through Sunday.
- Potential for severe storms Friday through Sunday
- Localized flooding potential through the weekend as multiple rounds of rainfall occur across the region

## NEW Important Updates

- Enhanced risk of severe storms across southeast Kansas Saturday Night

## Next Scheduled Briefing

- Thursday Afternoon





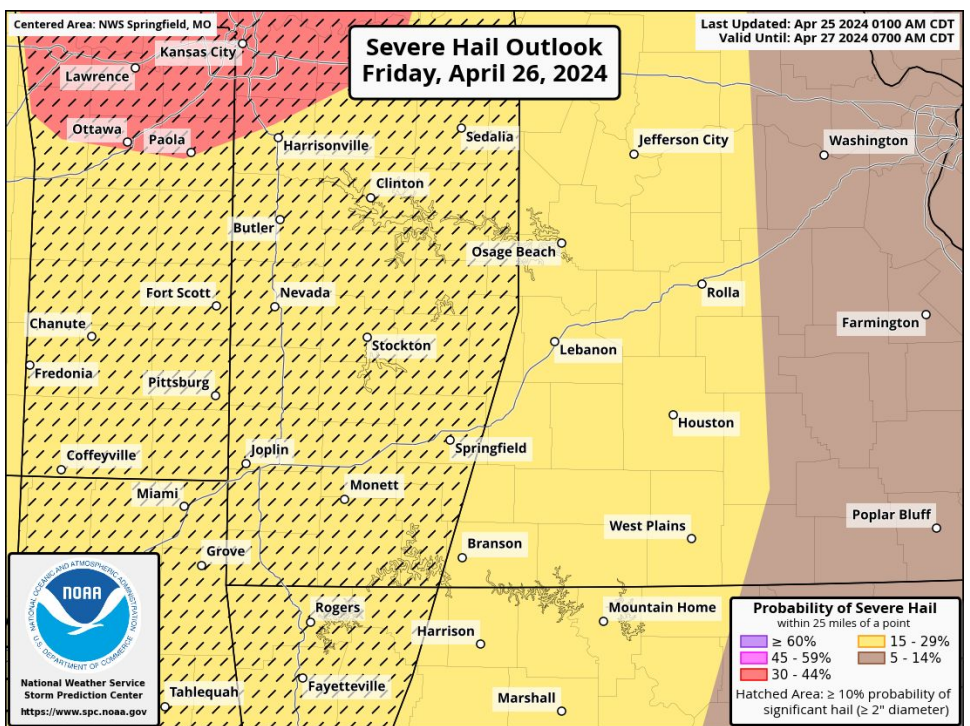


# Friday's Conditional Severe Hazards

April 25, 2024  
5:18 AM

Timing: Afternoon and Evening

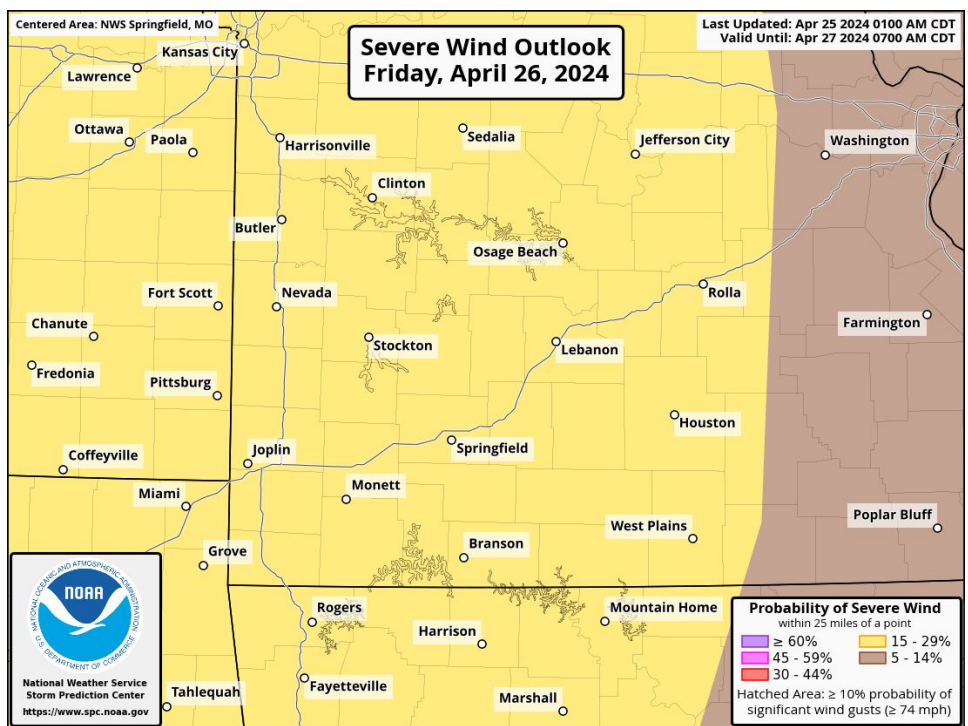
## Thunderstorm Coverage will likely be low, however if they form they could produce:



### Hail Probability



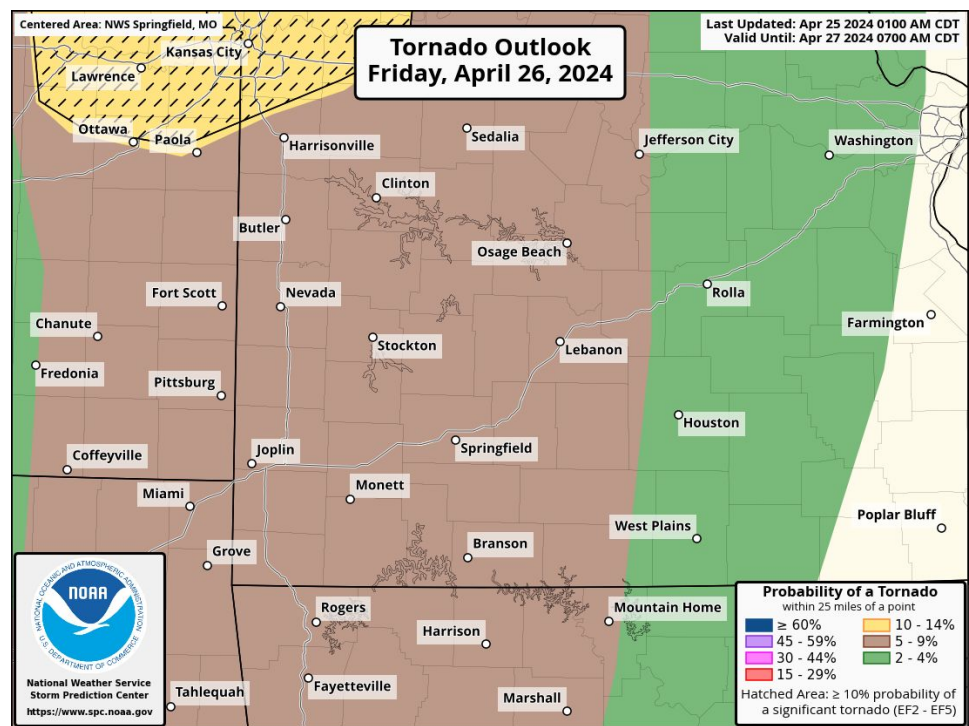
Large Hail to the Size of Golf Balls



### Wind Probability



Damaging wind gusts



### Tornado Probability



A Few Tornadoes





# Rain and Storm Chance Timeline

April 25, 2024  
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Severe thunderstorm chances Friday Afternoon - Evening

	4/25 Thu						4/26 Fri							
	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm
Pittsburg, KS	60	70	70	70	60	45	60	75	85	80	80	80	80	15
Joplin	55	70	70	60	50	35	50	65	75	80	80	75	75	20
Springfield	35	55	70	80	65	55	45	70	65	80	80	80	80	45
Branson	45	70	80	70	55	40	50	55	55	80	80	85	85	45
Lebanon	25	15	20	60	65	55	35	65	75	80	80	85	85	60
Osage Beach	15	10	15	55	60	50	35	65	85	80	80	80	80	55
Fort Leonard Wood	15	10	15	45	65	60	40	55	70	75	75	85	85	65
West Plains	20	20	30	80	65	55	50	40	30	55	55	65	65	70
Rolla	5	5	5	30	50	60	40	60	75	75	75	80	80	65

Severe Thunderstorm  
Chances Friday







# Rainfall Totals Today - Tonight

April 25, 2024  
5:18 AM

Low Confidence

## What

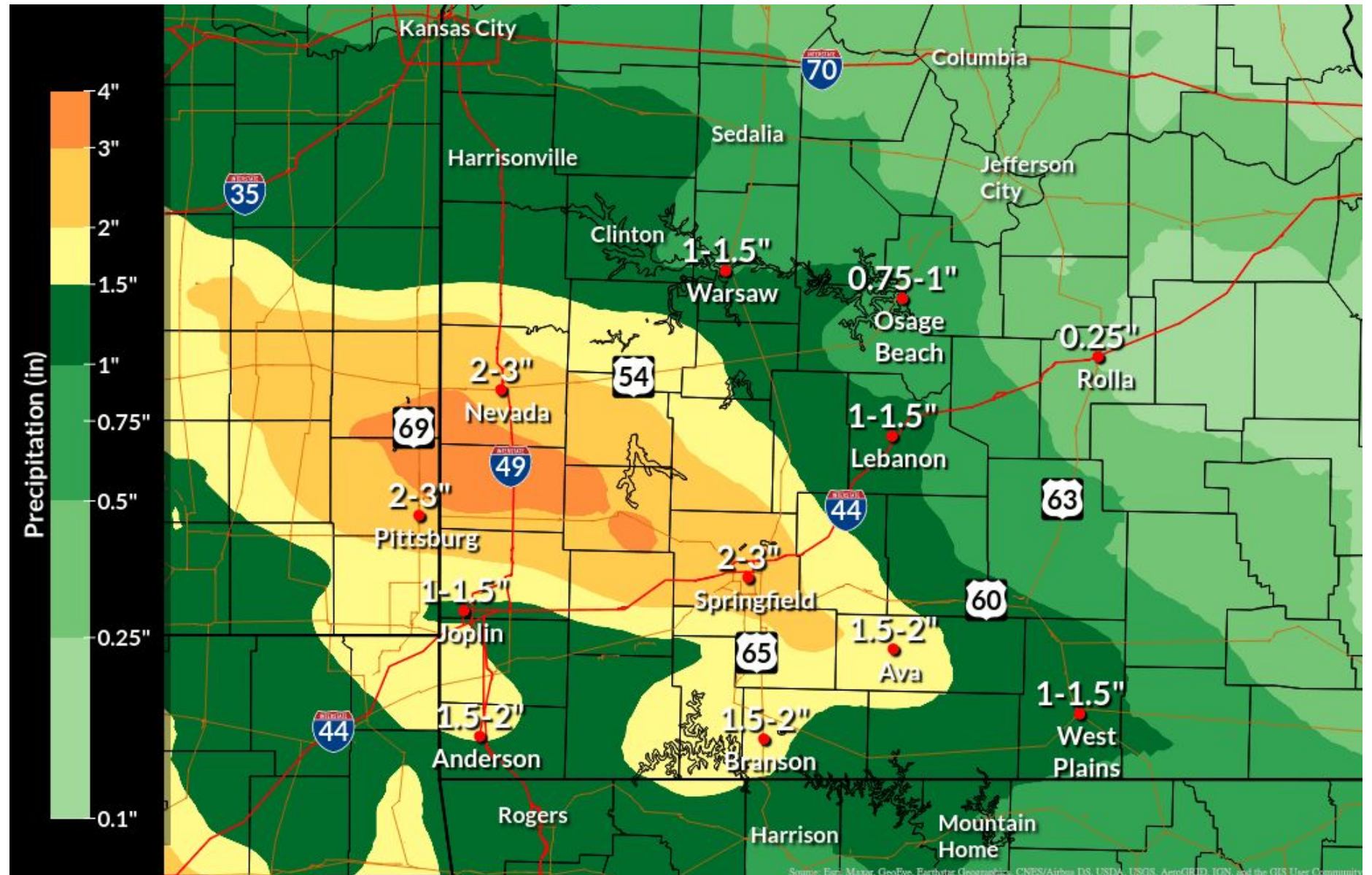
- Widespread rainfall is expected with localized pockets of 1.5-3 inches.

## Where

- Confidence is low with the placement of the heaviest amounts however it does favor areas west of Springfield.

## When

- This morning and afternoon. Another round of thunderstorms is then expected overnight.



Low Confidence Rainfall Totals Today through Tonight

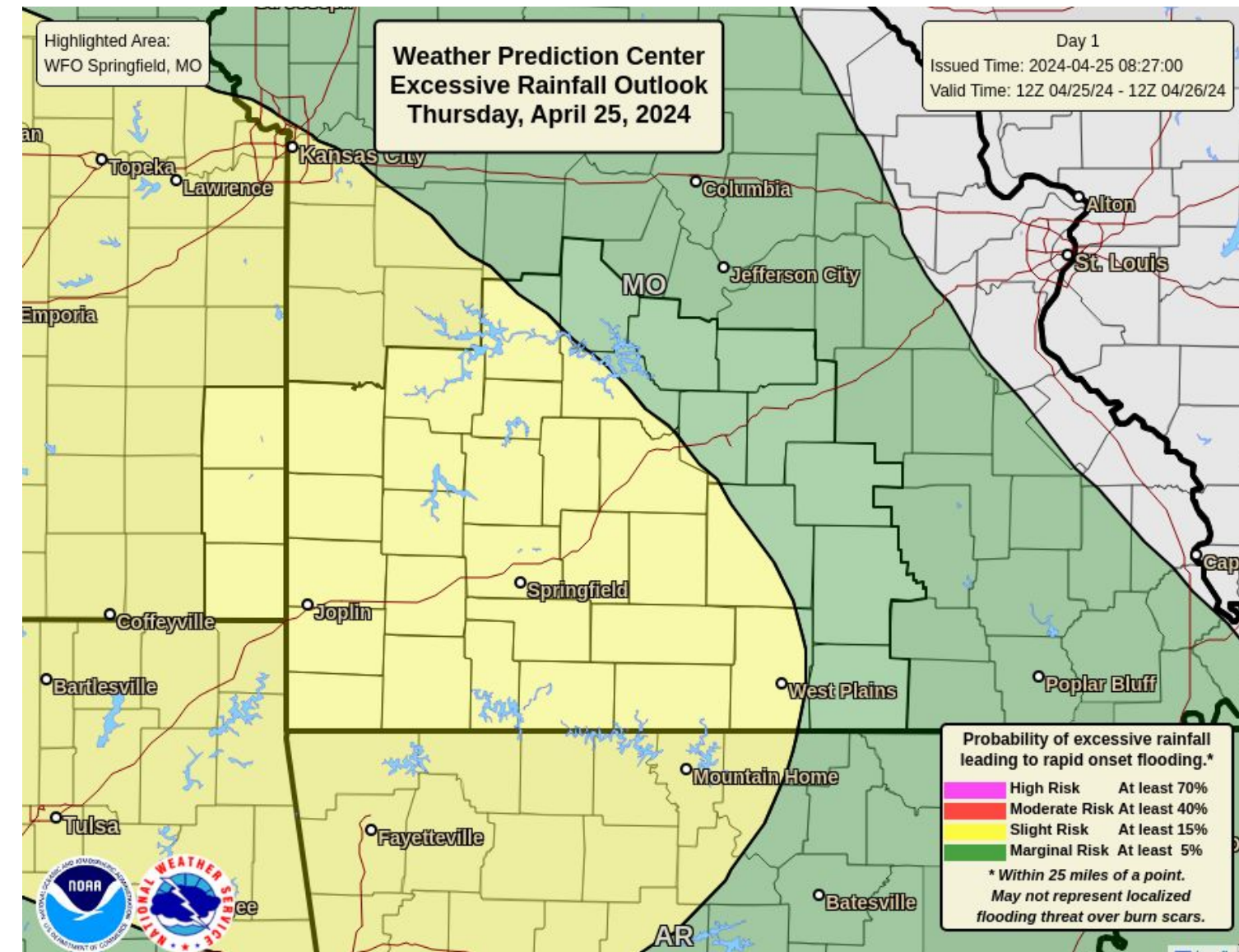




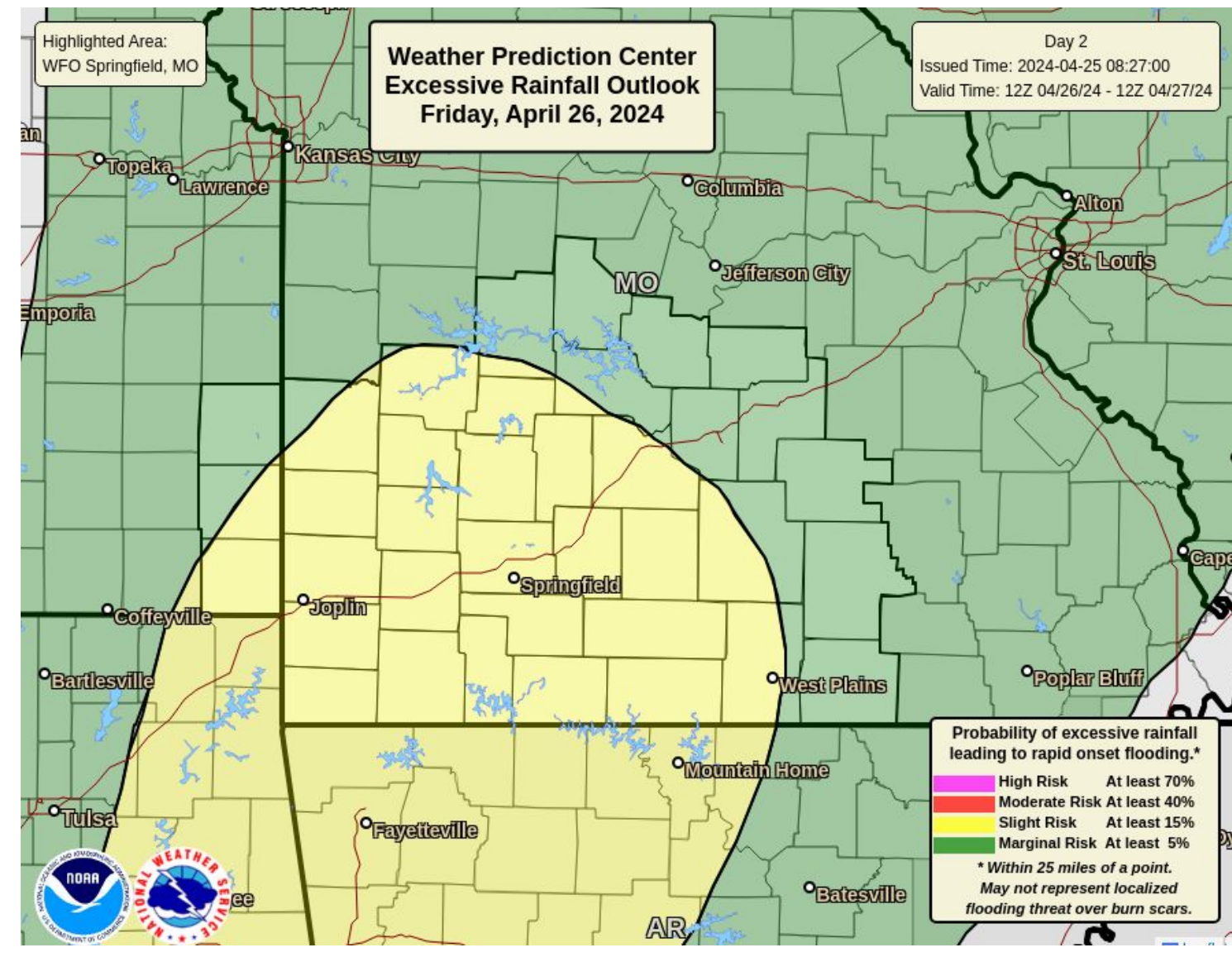
# Today and Friday Flood Outlook

April 25, 2024  
5:18 AM

## Slight Risk for excessive rainfall



### Today/Tonight Flood Outlook



### Friday/Friday Night Flood Outlook





# Saturday's Severe Outlook

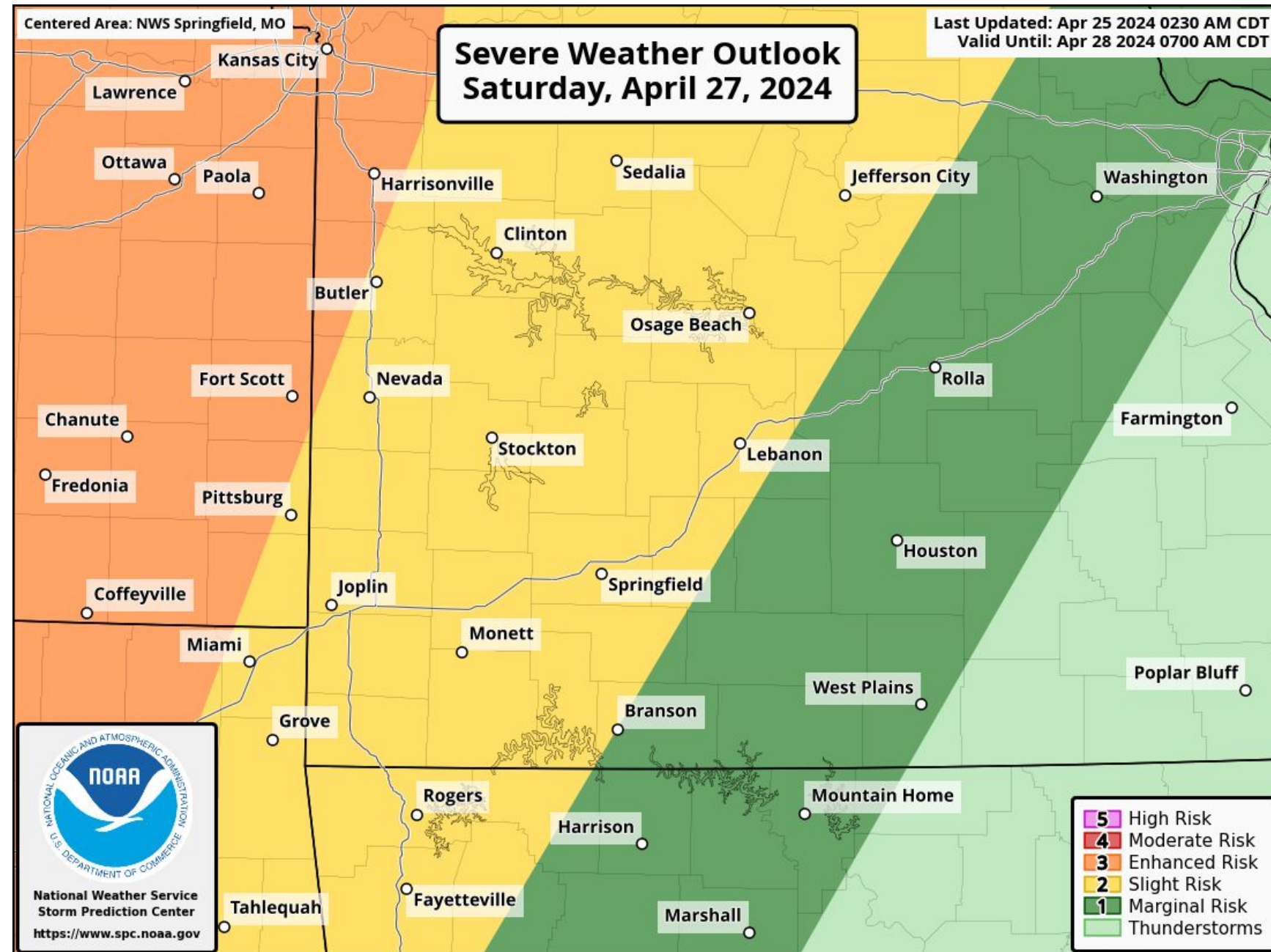
April 25, 2024  
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## What

→ The highest potential for severe storms Saturday will be west of the area. Storms that are able to move in from the west could produce large hail, damaging winds and tornadoes.

## When

→ Severe storms could move into the area from the west during the afternoon and evening however the highest chances are Saturday Night.



## Hazards



Large Hail to the Size of Golf Balls



Damaging wind gusts



A Few Tornadoes







# Saturday - Sat Night Flood Potential

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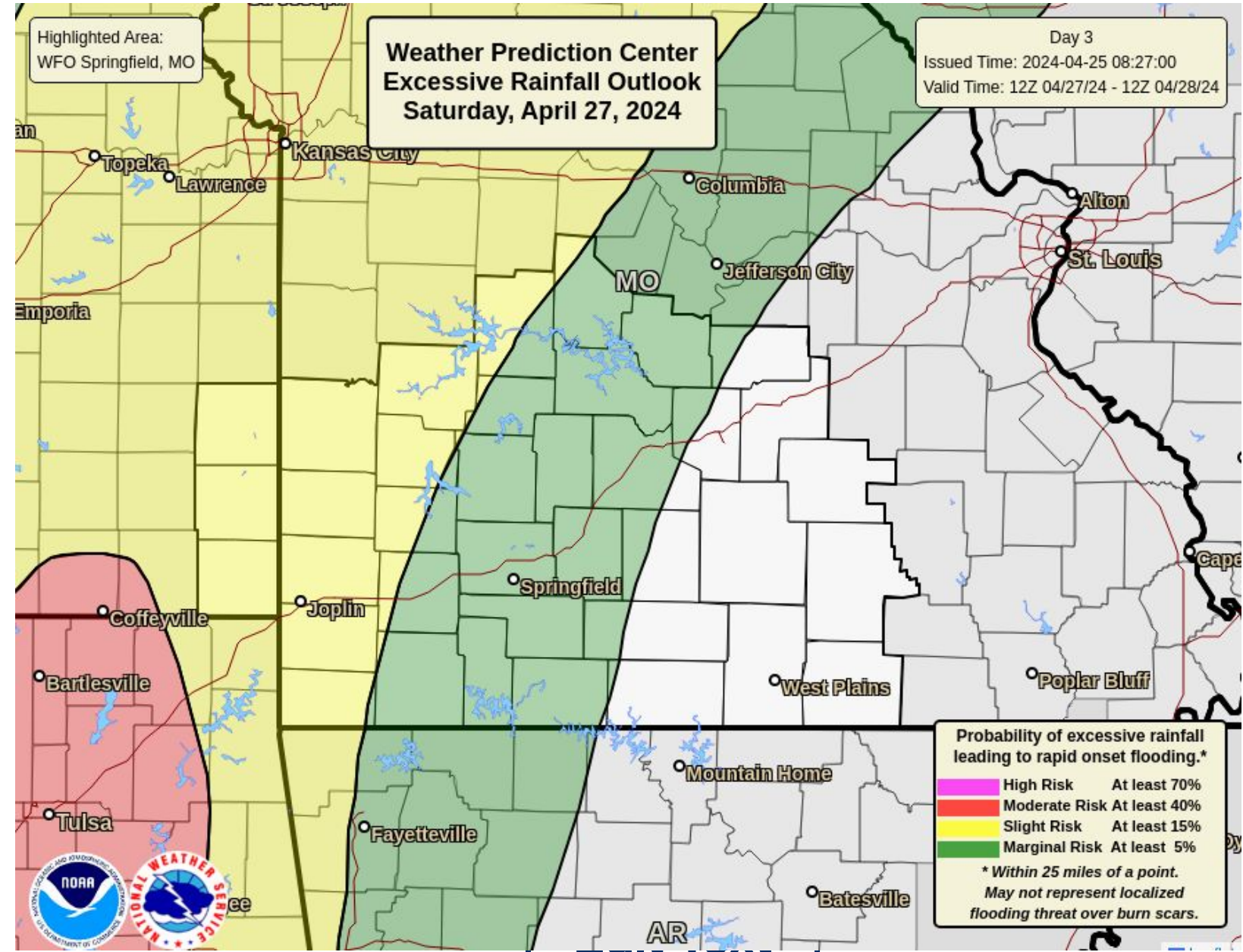
Mainly west of Springfield

## What/Where

- Slight risk of excessive rainfall/flooding west of Springfield.
- Higher risk across northeast Oklahoma.

## When

- Highest potential for thunderstorms and any flooding would be Saturday night into early Sunday morning.





# Sunday's Severe Outlook

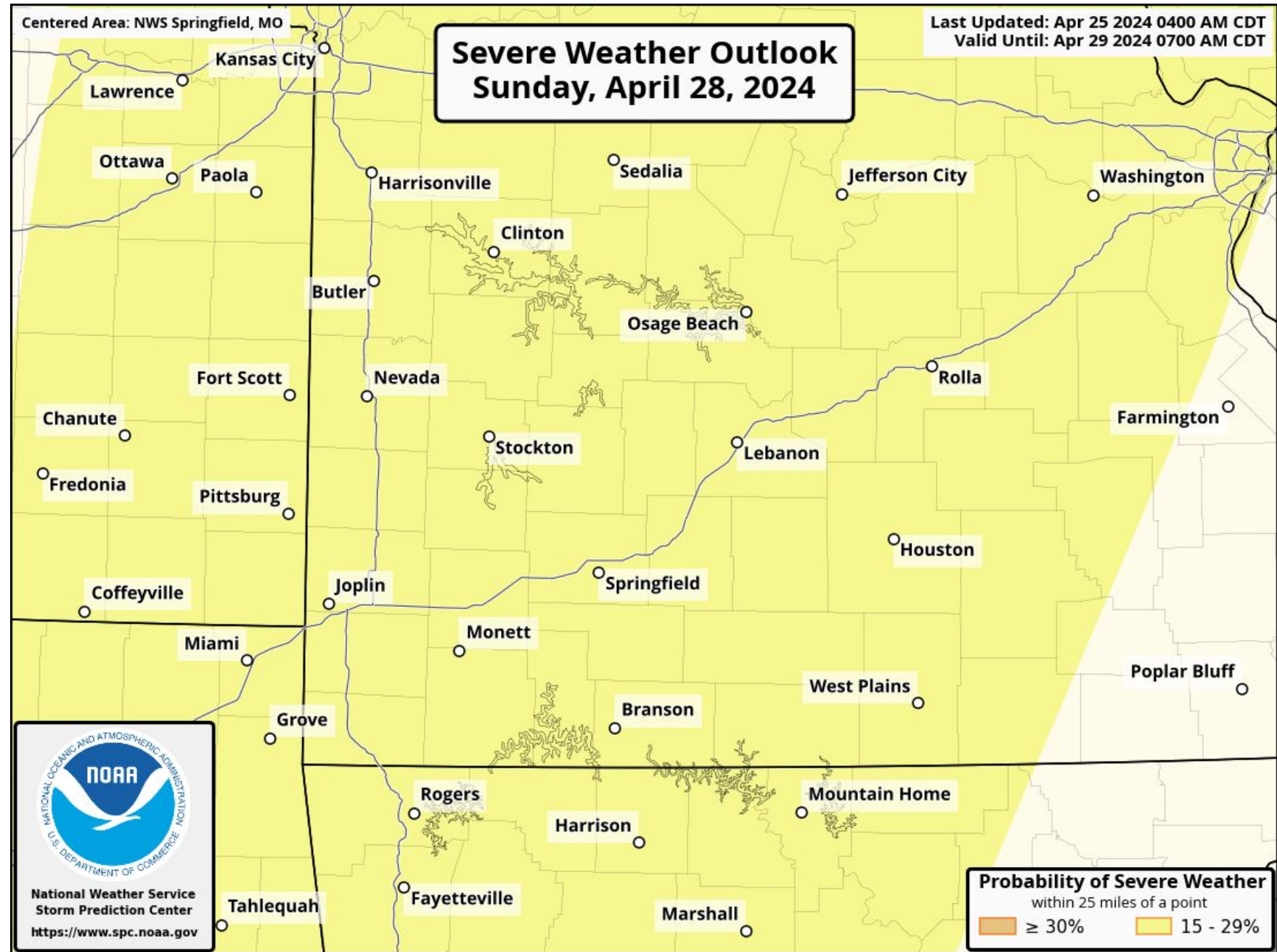
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## What

→ The entire area has a risk for large hail, damaging winds and tornadoes on Sunday.

## When

→ Severe storms could be ongoing during the morning with additional development during the afternoon if enough heating develops behind the morning storms.



## ⚠ Hazards



Large Hail to the Size of Golf Balls



Damaging wind gusts



A Few Tornadoes





# Severe and Flood Confidence Levels

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## Overall Severe Threat Evolution



## Significant Severe Potential Sat Night



## Location of heaviest rainfall amounts



## Rises on area creeks/rivers



## Confidence Details

- The overall evolution of the severe and flooding threat the next few days is low as the area will continuously be on the edge of the higher threat areas.
- There does seem to be increasing confidence in higher severe chances for our area Saturday night as storms move in from Kansas.

## Alternate Scenarios

- If thunderstorms continue to move over the same areas then the flash flooding risk would increase.
- The thunderstorm coverage Friday evening and during the day Saturday could be low if clouds limit heating/instability.





## 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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