



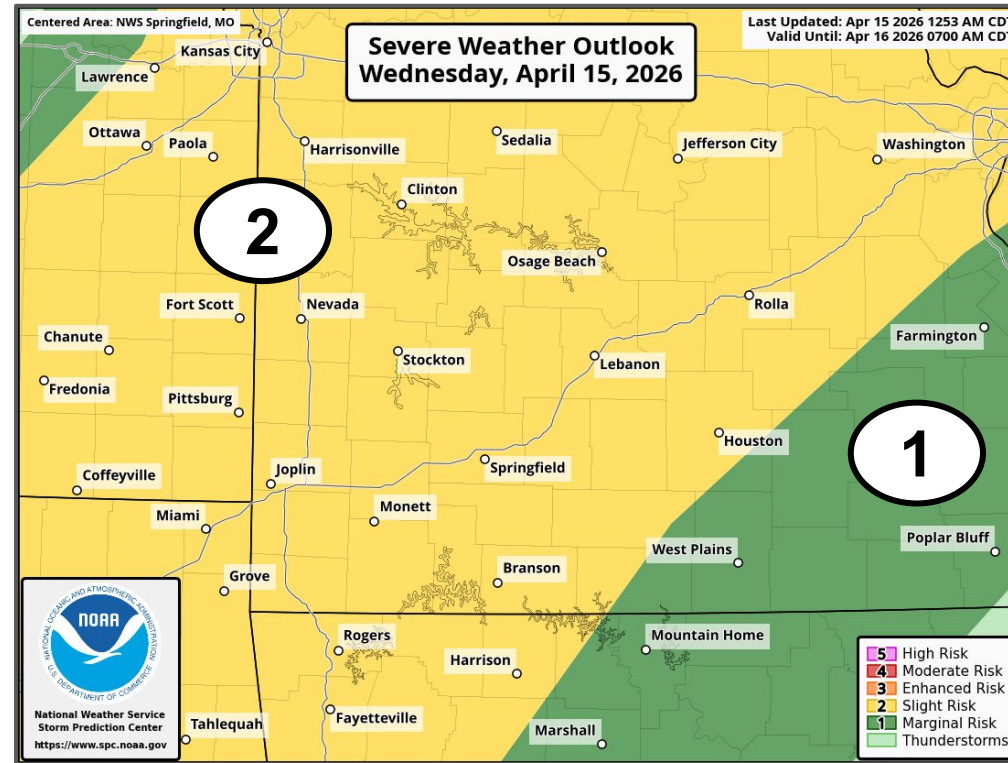
# Unsettled Weather this Week

April 15, 2026  
5:43 AM

## Potential for Severe Thunderstorms and Localized Heavy Rainfall

### Key Messages

- A **Marginal** (1 of 5) to **Slight** (2 of 5) Risk for severe thunderstorms today with all hazards possible. **Confidence in timing of severe storms is low.**
- A **Marginal** (1 of 5) Risk for severe thunderstorms Thursday afternoon and evening across south central Missouri.
- A **Marginal** (1 of 5) to **Enhanced** (3 of 5) Risk for severe thunderstorms Friday Evening. All hazards are possible with this round of storms.



←

**Severe Weather Outlook Today 4/15**

**NEW** Important Updates

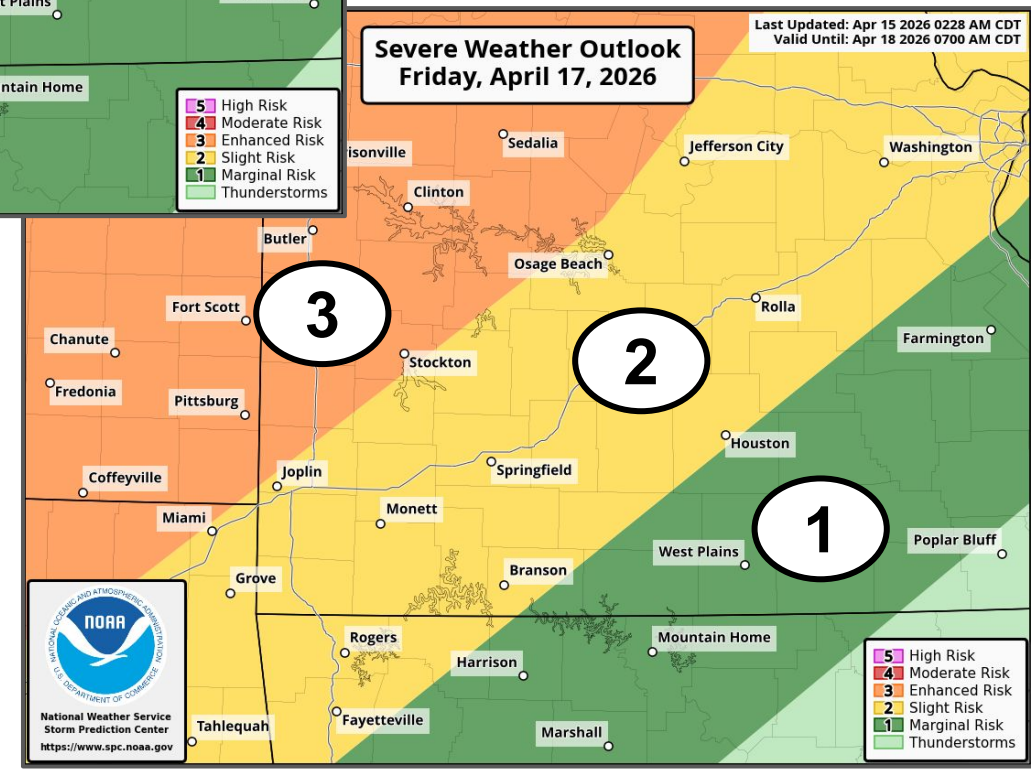
- Significant uncertainty in storm evolution today (Wednesday)
- Updated severe risk for Friday evening

### Next Scheduled Briefing

→ This Afternoon or as needed

**Severe Weather Outlook Friday 4/16**

↘



**National Weather Service  
 Springfield, MO**



# Potential Scenarios For Today's Severe Wx

April 15, 2026  
5:43 AM

All scenarios include storms initiating in KS/OK this afternoon and forming into a line before arriving to our area

## Scenario 1:

**Afternoon development in our backyard, then upstream severe moves in from KS/OK**

- Requires morning showers & storms to stop at some point to build instability
- Early to mid-afternoon, semi-discrete storms develop along outflow from AM storms before growing into clusters
- Afternoon storms carry threat of large hail to size of golf balls, damaging winds up to 70 mph, and a few tornadoes
- Conditional strong tornado risk *only if* supercells can remain healthy later into the evening
- Second severe window with line of storms from the SW, bringing risk of damaging winds and embedded spin-ups

## Scenario 2:

**No afternoon development, but upstream severe threat from storms coming from KS/OK**

- Lower overall severe risk than Scenario 1, but risk is still distinct
- More likely to occur if showers and storms aren't gone by early afternoon
- Severe window would be shorter and tied to storms moving in from KS/OK
- Hazards with line of storms is damaging winds up to 70 mph and embedded tornadoes

## Scenario 3:

**Continuous non-severe convection all day before storms move in from KS/OK**

- May not be a complete wash out everywhere, but showers and storms do not stop developing and across the area all day
- Would make it difficult for the environment to recover sufficiently by this evening
- Far lower probability of severe weather in this scenario
- Severe risk in this scenario would be much more isolated



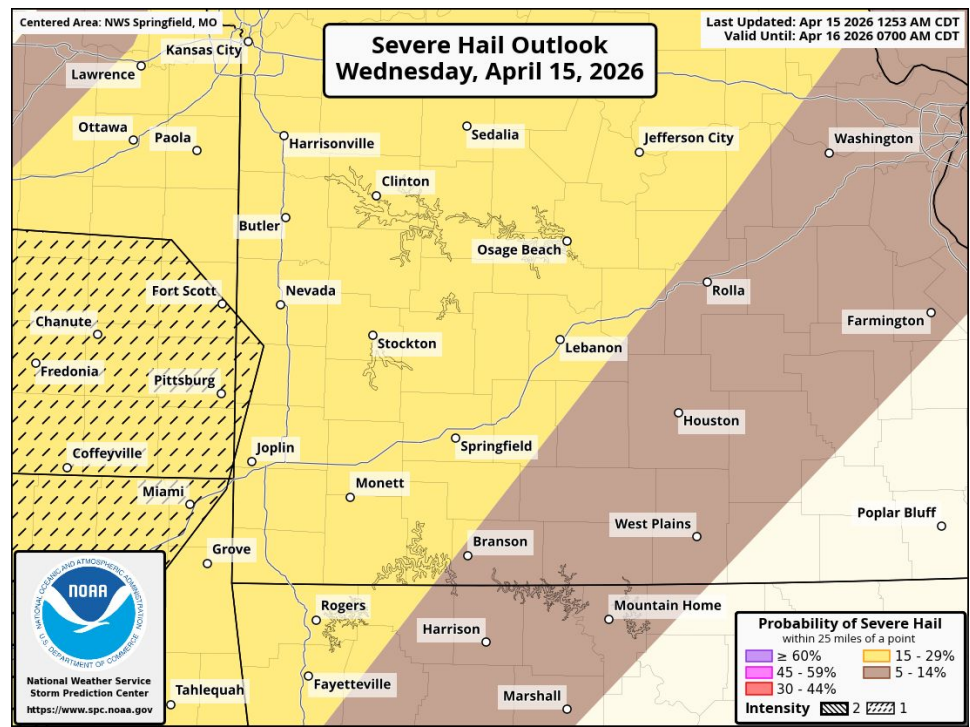
# Hazard Probabilities Today

April 15, 2026  
5:43 AM

Primary Hazards are Damaging Wind Gusts and Large Hail



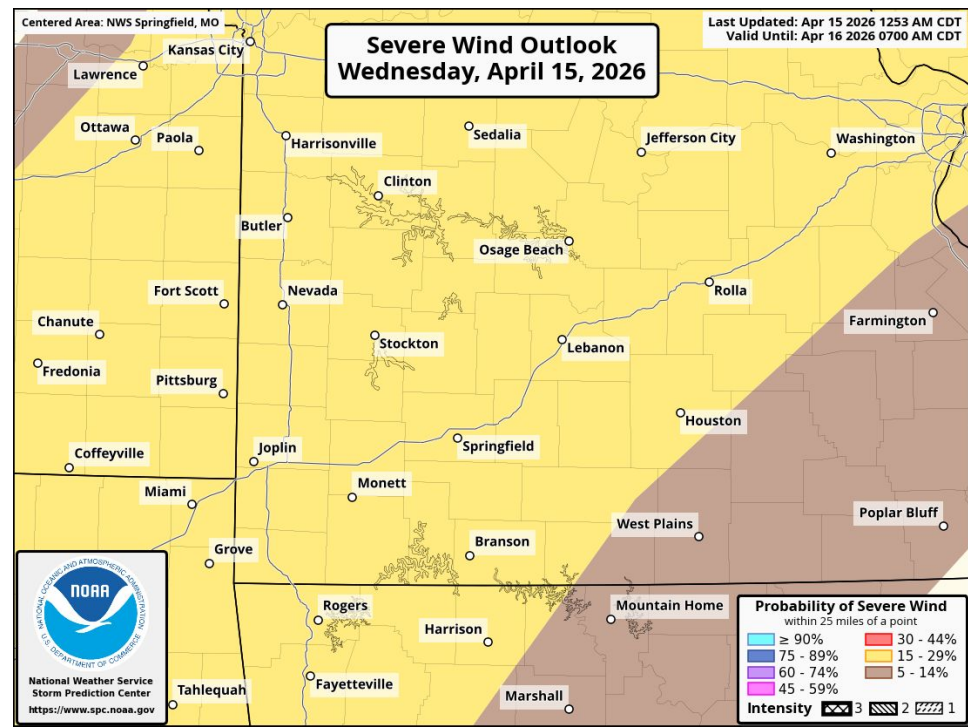
## Hail Probability



Pennies    Quarters    Golf Balls    Baseballs



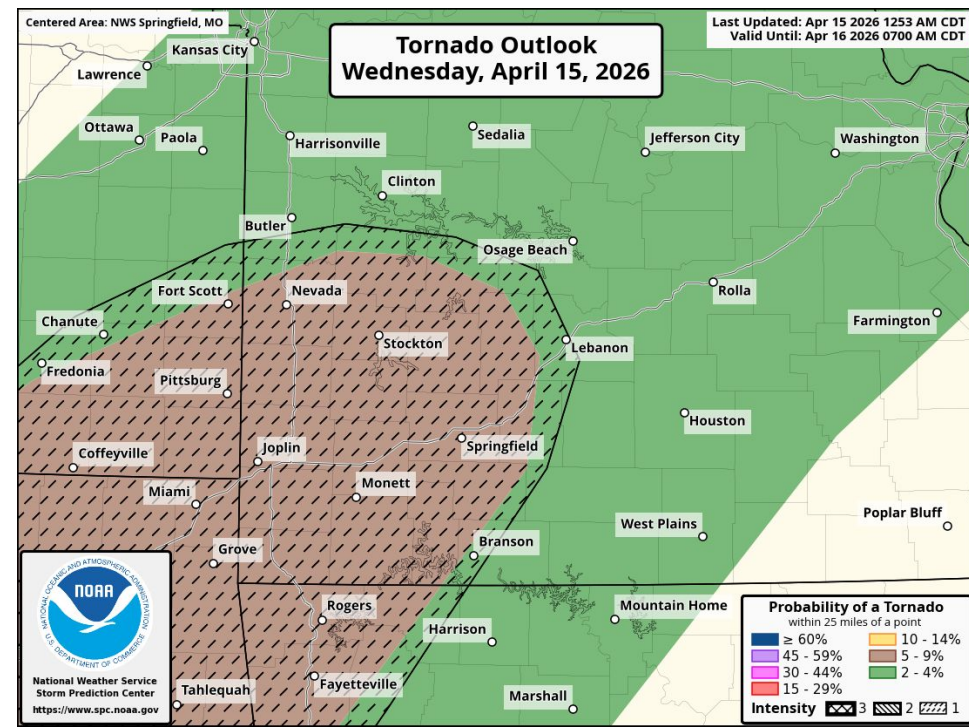
## Wind Probability



< 60 mph    60-70 mph    70-80 mph    >80 mph



## Tornado Probability



Very Low    Low    Moderate    High

Strong tornado potential in hatched area

National Weather Service  
Springfield, MO



# Timeline of Severe Weather Outlooks

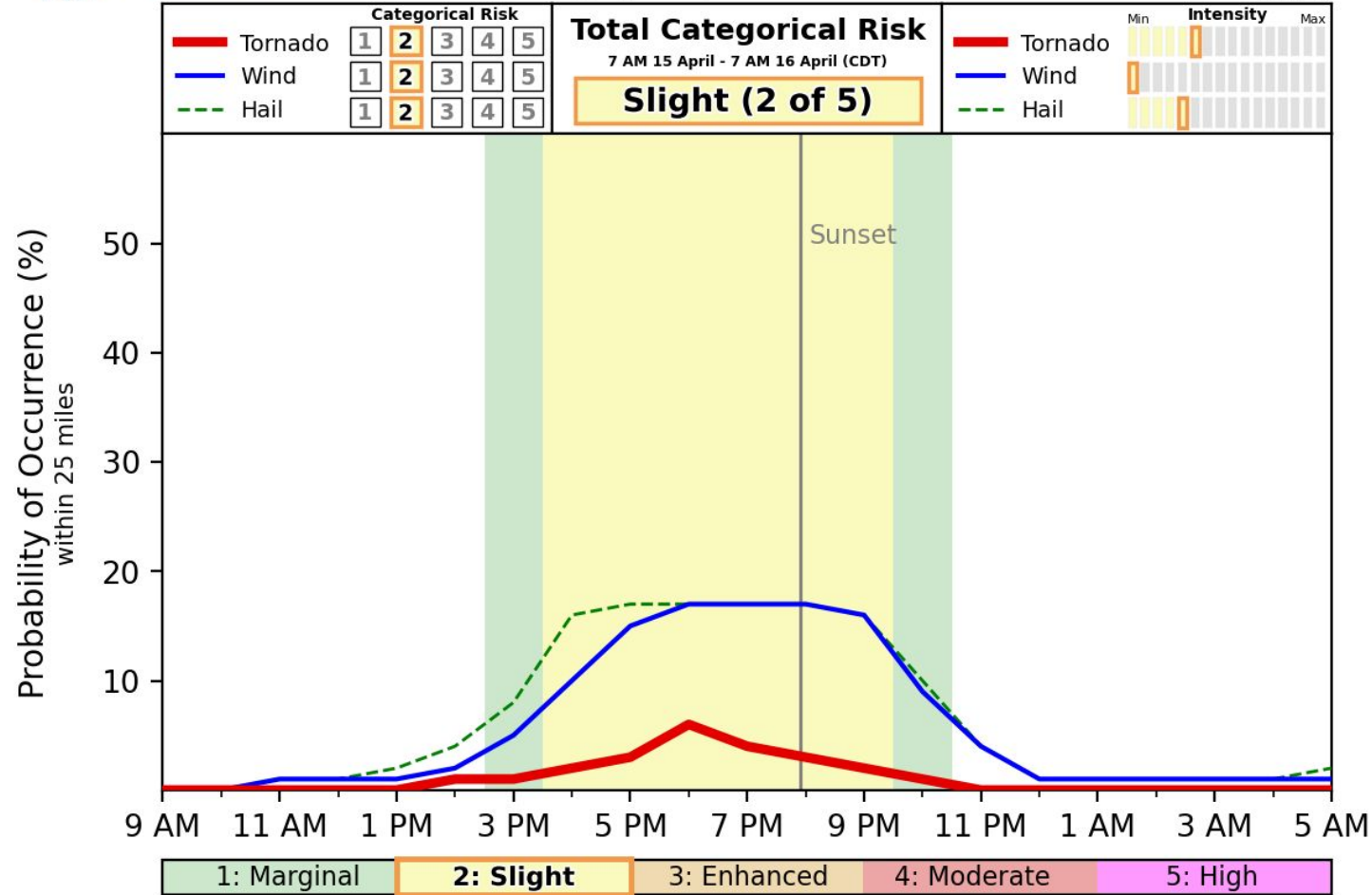
April 15, 2026  
5:43 AM

[Timing Graphics Link](#) → Find your nearest location here



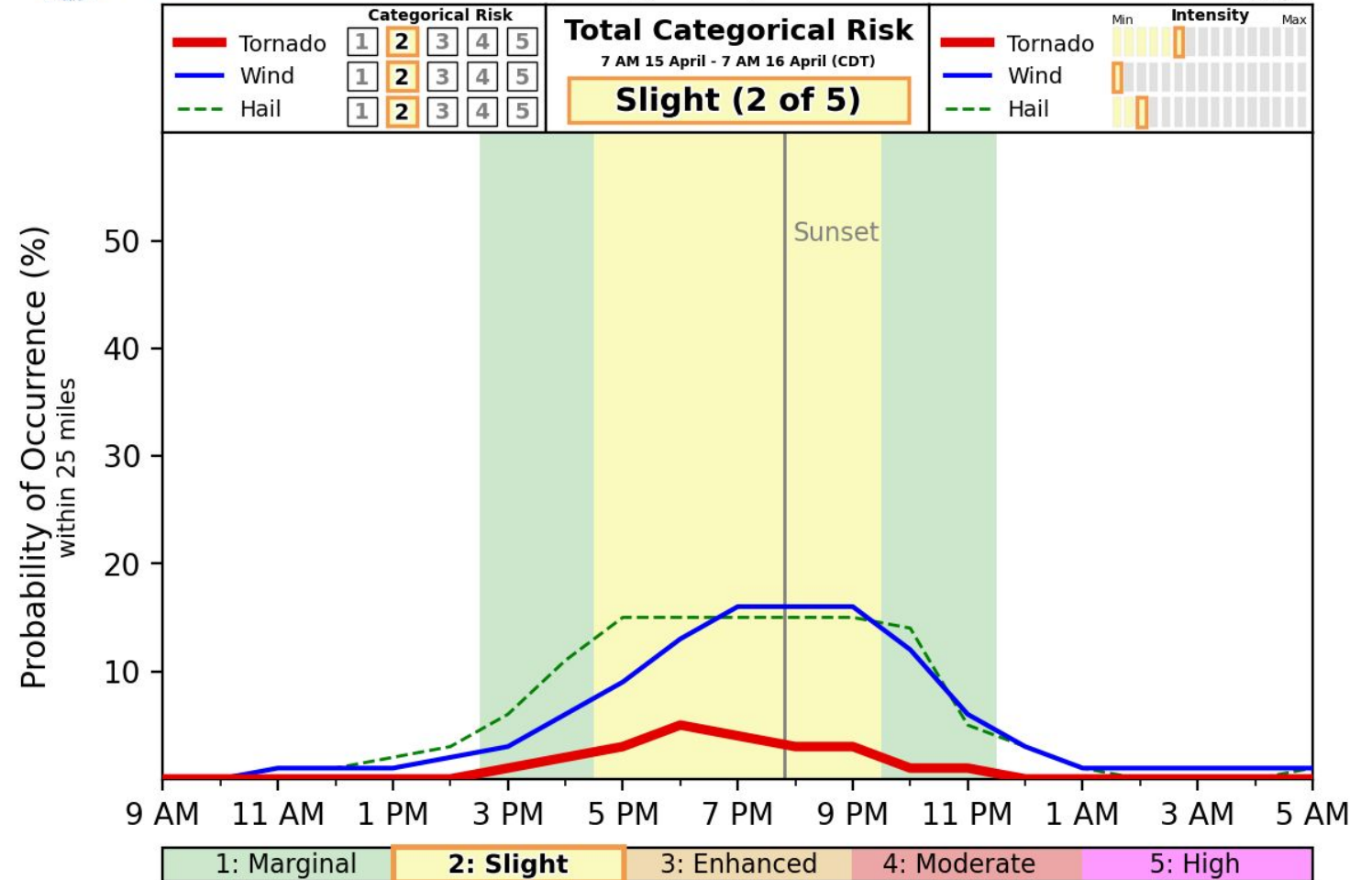
## 15 April 2026 Severe Weather Outlook Joplin, Missouri

Created: 12:53 AM CDT  
15 April



## 15 April 2026 Severe Weather Outlook Springfield, Missouri

Created: 12:53 AM CDT  
15 April



Depending on storm evolution,  
the window of severe potential will be afternoon through the evening





# Severe Outlook Thursday

April 15, 2026  
5:43 AM

## Scattered Strong to Severe Thunderstorms

### What

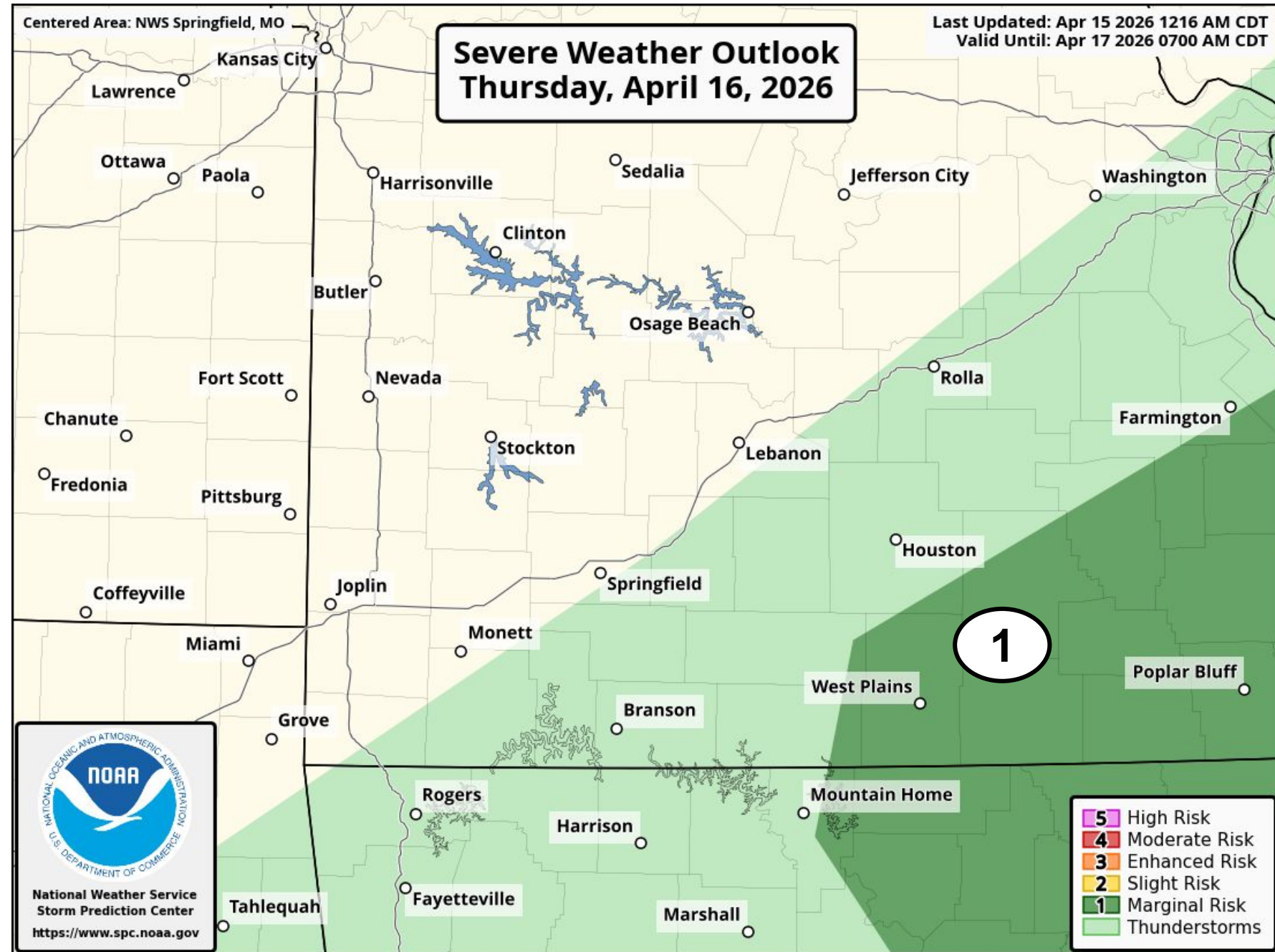
→ A few marginally severe thunderstorms with large hail and damaging winds.

### Where

→ The greatest potential is depicted by the locations in the marginal risk (green, 1 of 5).

### When

→ Thursday afternoon and evening.





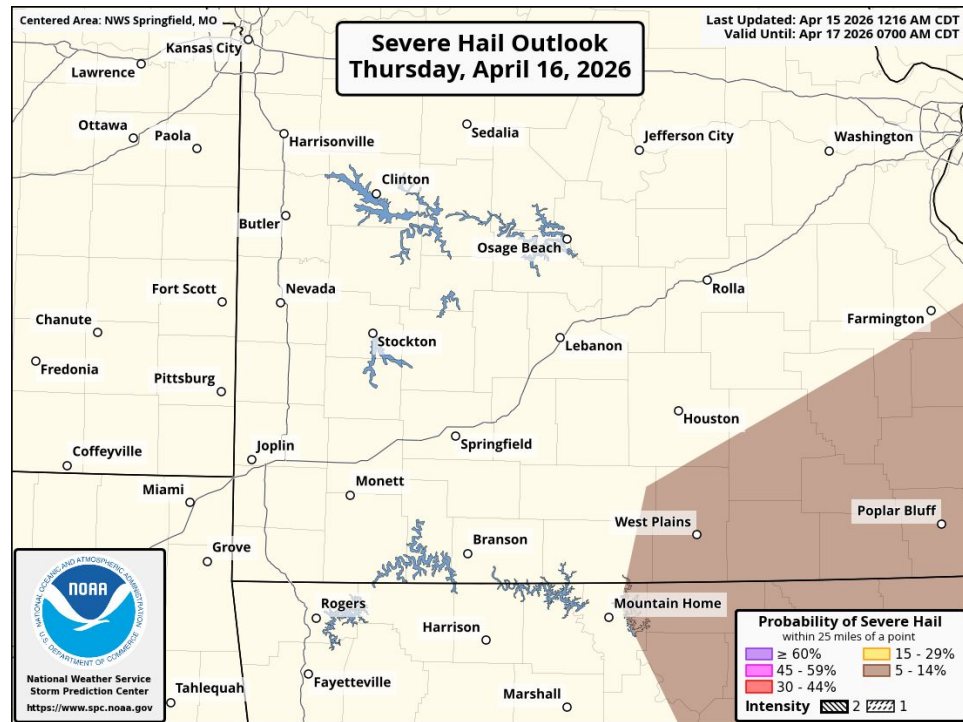
# Hazard Probabilities on Thursday

April 15, 2026  
5:43 AM

Primary Hazards are Large Hail and Damaging Wind Gusts



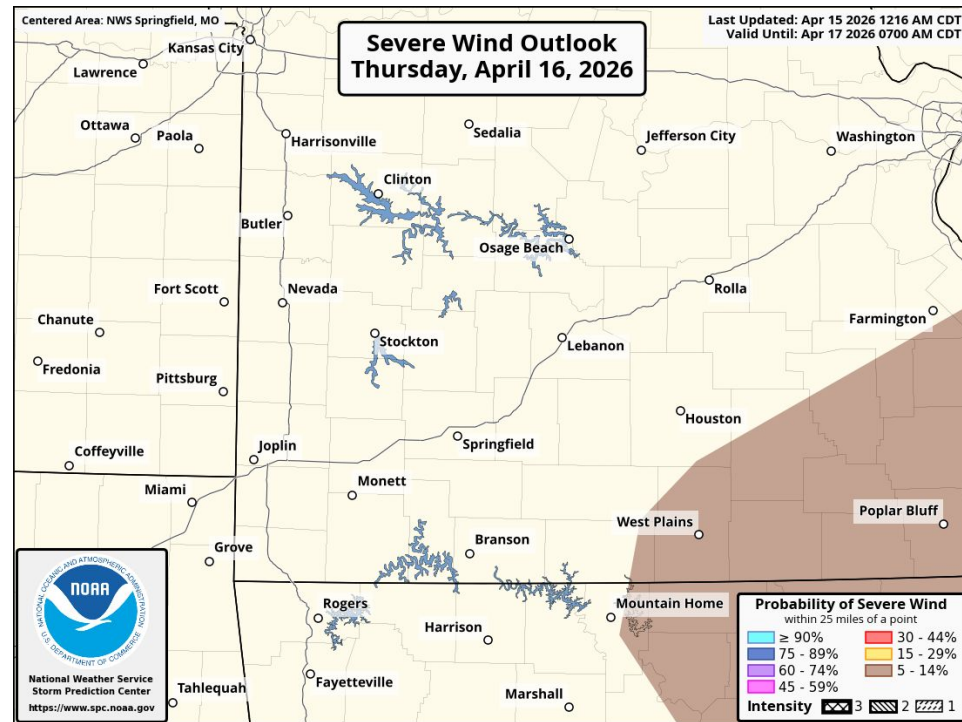
## Hail Probability



Pennies	Quarters	Golf Balls	Baseballs
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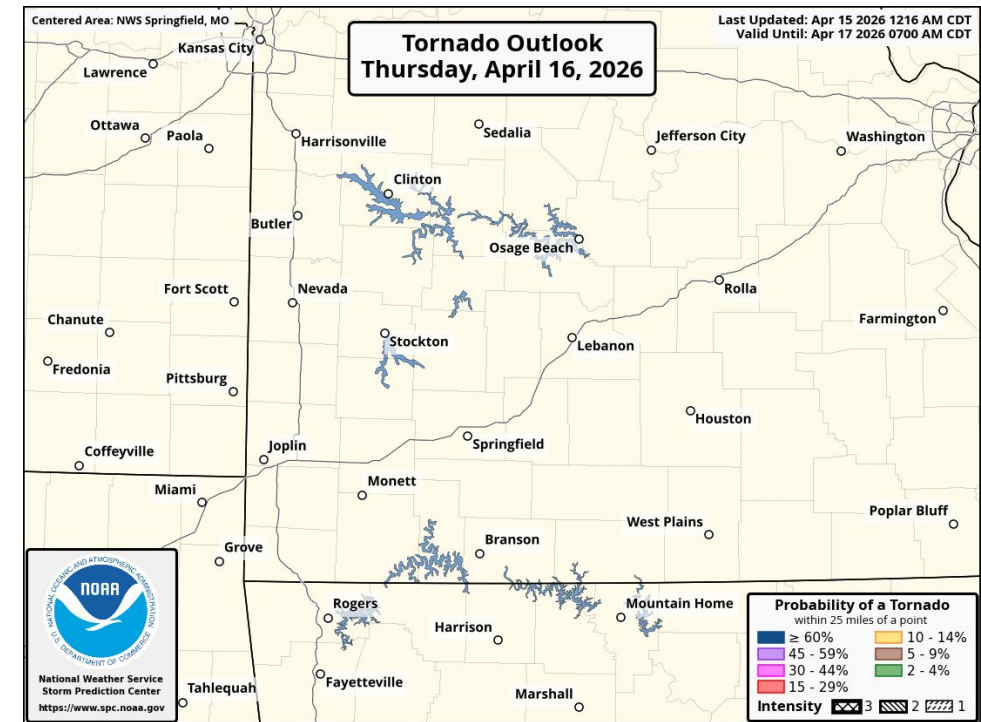
## Wind Probability



< 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 Outlook Friday

April 15, 2026  
5:43 AM

## Strong to Severe Thunderstorms

### What

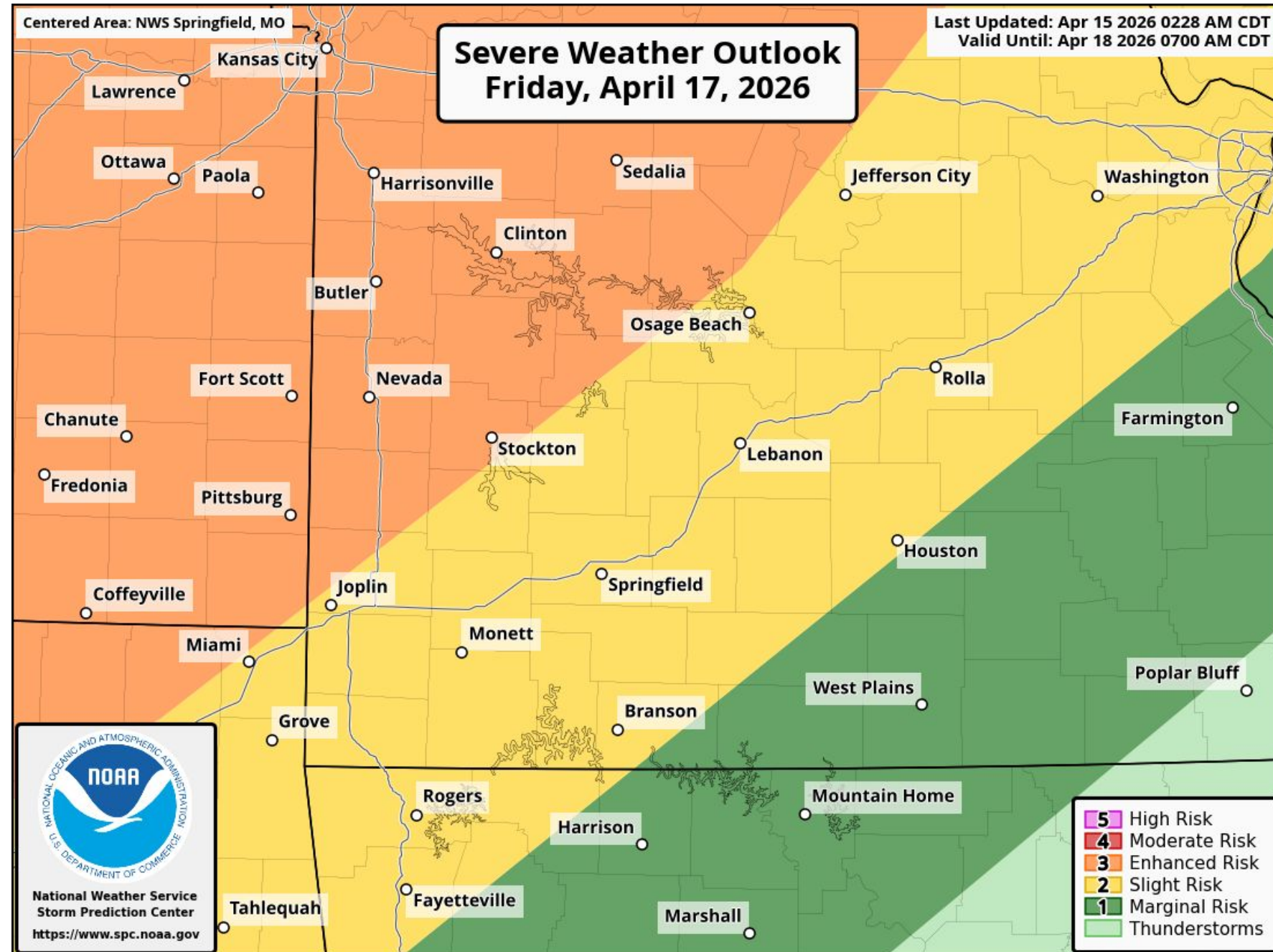
- Increasing confidence in the potential for severe thunderstorms on Friday.
- Large hail, damaging winds, and tornadoes are all potential hazards.

### Where

- Across much of the area, with highest potential focused across southeast KS into southwest and west central MO.

### When

- Friday evening into Friday night.





# Timing of Shower and Thunderstorm Chances

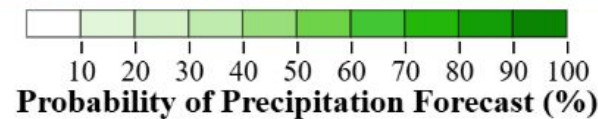
April 15, 2026  
5:43 AM

## Periods of Dry Time

**Greatest risks for severe storms**

### Probability of Precipitation (%) Forecast

	4/15 Wed			4/16 Thu					4/17 Fri					4/18 Sat					4/19 Sun													
	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am								
Pittsburg, KS	20	30	25	35	75	60	55	25	25	15	15	20	20	5	5	5	5	15	15	55	55	80	80	75	75	15	15	20	20	10	10	5
Joplin	30	30	30	25	55	85	60	25	30	25	25	20	20	5	5	0	0	15	15	45	45	70	70	75	75	20	20	20	20	10	10	5
Nevada	15	30	25	35	70	65	50	25	25	20	20	20	20	5	5	5	5	20	20	65	65	85	85	80	80	20	20	20	20	10	10	5
Monett	35	35	30	25	45	95	70	40	35	35	35	20	20	5	5	0	0	25	25	40	40	60	60	75	75	25	25	25	25	15	15	5
Bolivar	15	30	30	40	30	95	55	50	35	35	35	25	25	5	5	0	0	25	25	55	55	70	70	80	80	30	30	25	25	15	15	5
Warsaw	20	30	30	35	30	85	50	35	30	25	25	20	20	5	5	0	0	25	25	65	65	85	85	85	85	30	30	25	25	15	15	5
Springfield	40	30	30	45	40	95	70	55	35	45	45	30	30	5	5	0	0	25	25	50	50	60	60	75	75	30	30	30	30	15	15	5
Branson	50	40	30	55	20	95	90	65	35	45	45	35	35	5	5	0	0	15	15	30	30	40	40	65	65	25	25	30	30	15	15	5
Lebanon	25	20	30	60	15	95	70	55	40	35	35	40	40	5	5	0	0	25	25	50	50	60	60	80	80	30	30	30	30	15	15	10
Osage Beach	20	20	30	55	20	95	65	50	35	30	30	25	25	5	5	0	0	20	20	55	55	70	70	80	80	30	30	30	30	15	15	10
Mountain Grove	35	25	35	60	20	75	85	65	40	55	55	55	55	5	5	0	0	25	25	45	45	40	40	70	70	35	35	35	35	15	15	10
Fort Leonard Wood	25	20	30	60	20	80	85	60	40	35	35	40	40	5	5	0	0	20	20	50	50	50	50	70	70	35	35	35	35	15	15	10
West Plains	20	30	25	50	30	25	85	85	60	65	65	65	65	5	5	0	0	15	15	35	35	25	25	55	55	25	25	40	40	20	20	10
Rolla	25	15	25	60	15	70	80	60	40	35	35	40	40	5	5	0	0	15	15	45	45	50	50	70	70	35	35	35	35	15	15	10



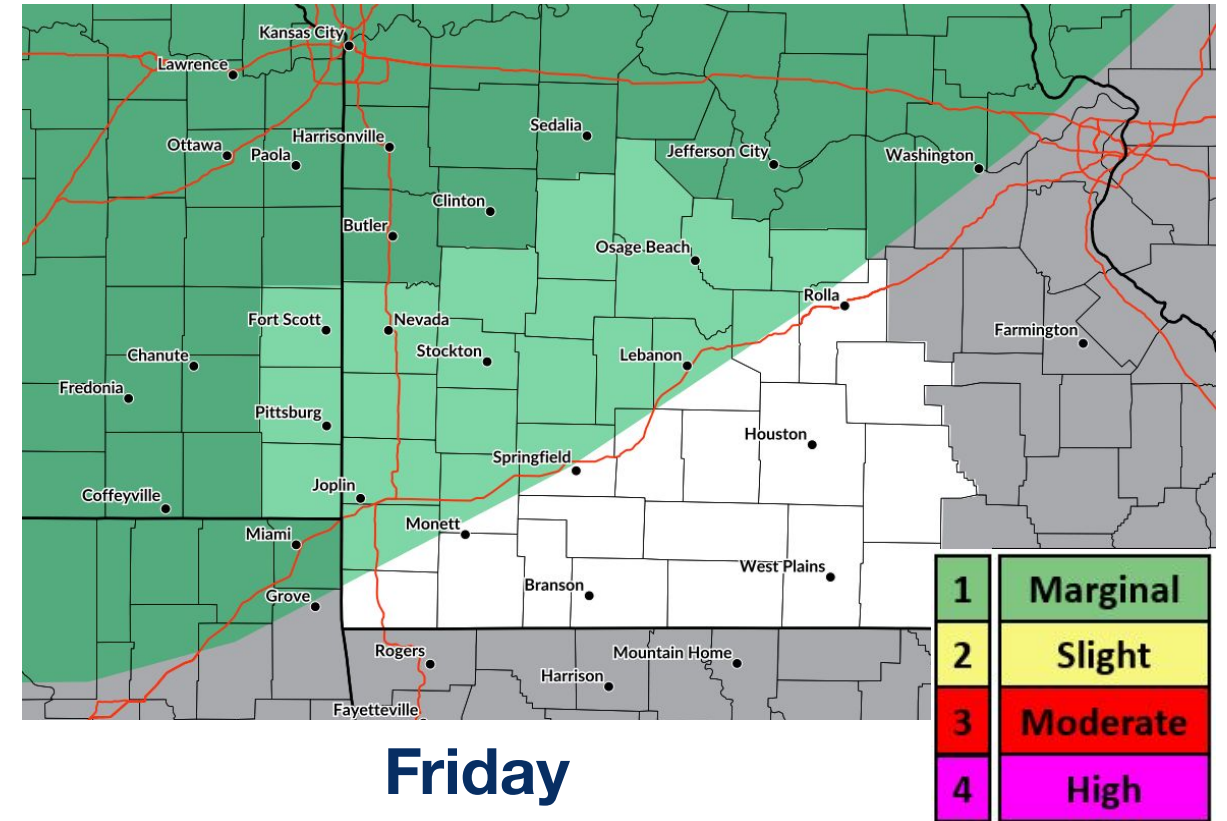
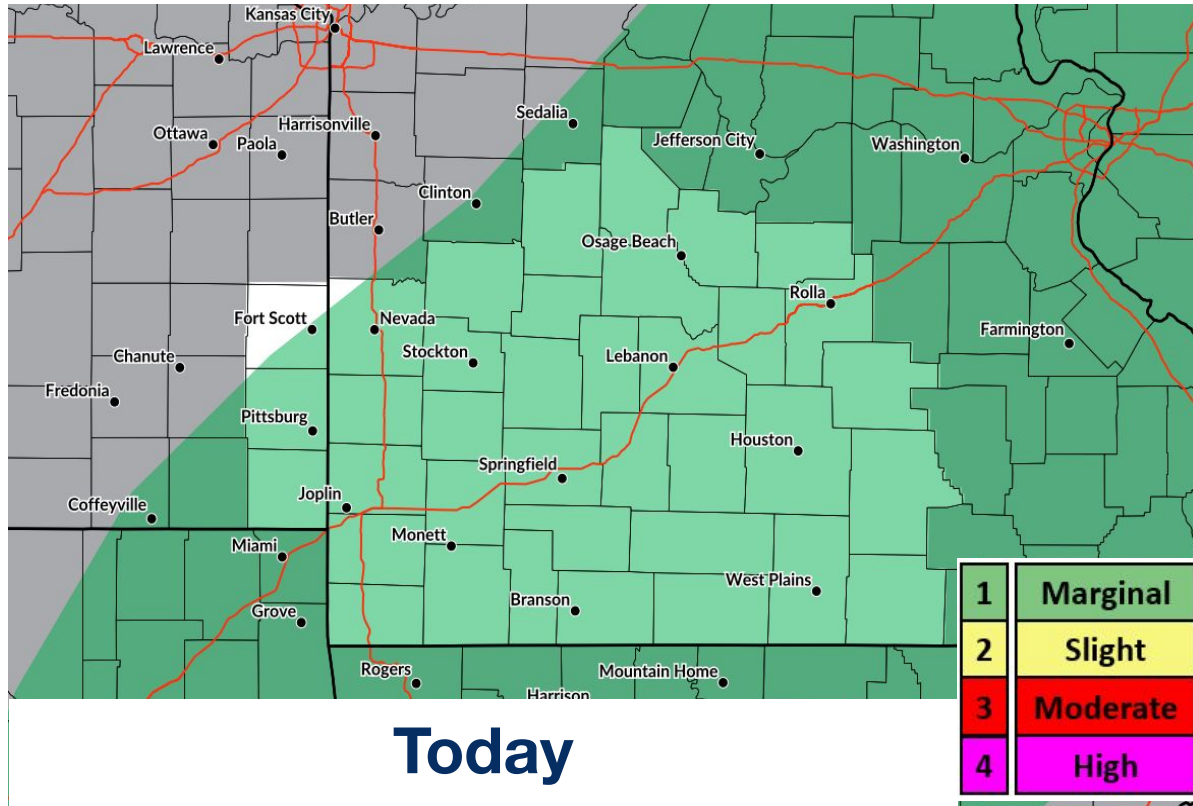


# Excessive Rainfall Outlooks

April 15, 2026  
5:43 AM

Today, Wednesday, and Friday

## Excessive Rainfall Outlooks



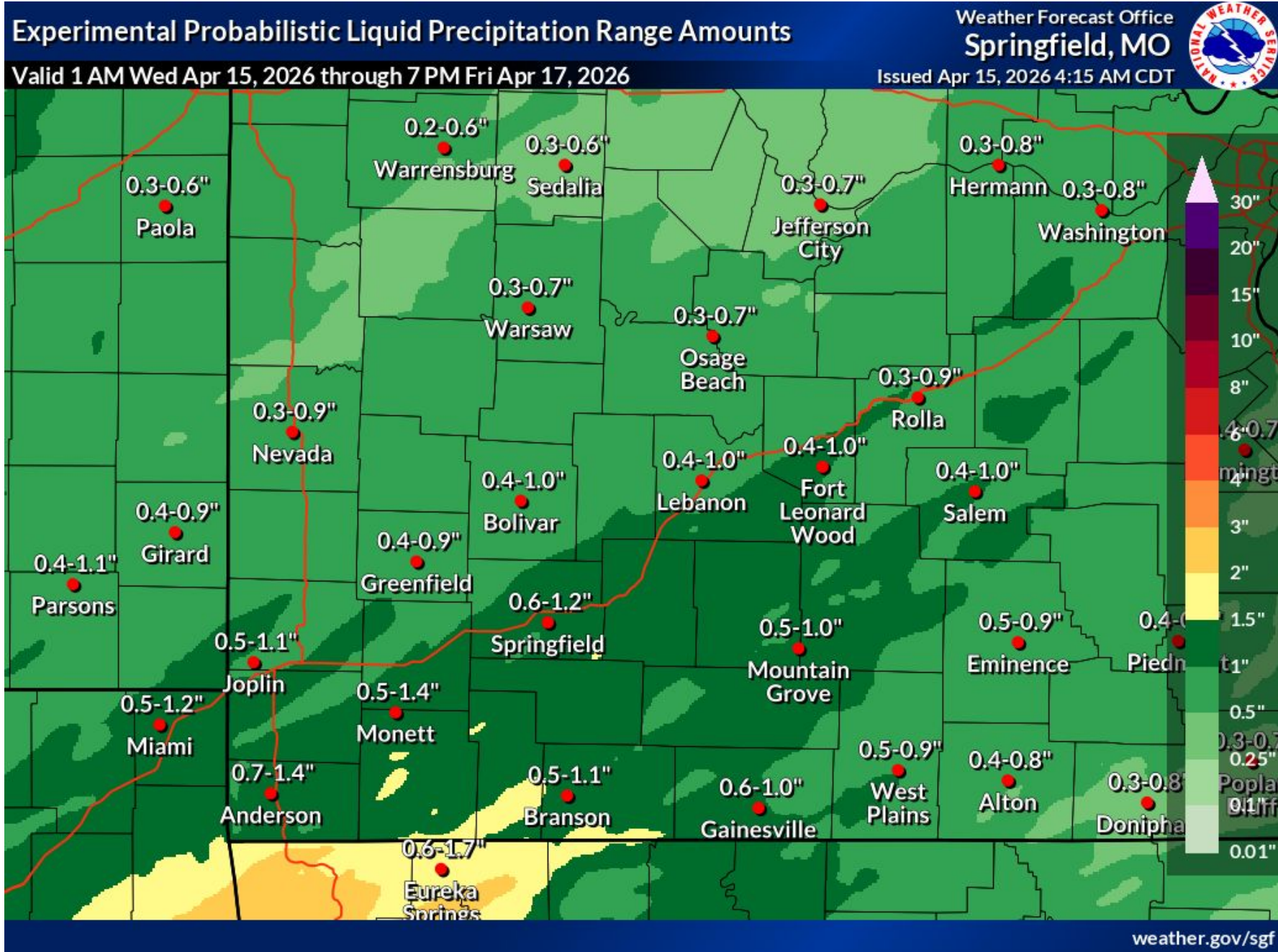
→ Heavy rainfall rates around 1 inch per hour under thunderstorms may cause localized rises/responses in rivers and streams, but the progressive nature of the storms will limit the flash flooding risk overall.



# Forecast Rainfall Amounts

April 15, 2026  
5:43 AM

Today Through 7pm Friday





## Confidence

### Strong to Severe Thunderstorms



### Timing



### Flooding



## Confidence Details

- Confidence is high for the potential of severe storms with both today's round and Friday's round.
- Confidence is lower with respect to timing and overall evolution of the severe threat today (Wednesday). See the potential scenarios slide for potential outcomes.
- High rainfall rates under strong thunderstorms may produce localized responses in rivers/streams, but widespread flooding is not expected.



## For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [SPC Convective Outlooks](#)
- [Probabilistic QPF Experiment Webpage](#)
- [WPC Excessive Rainfall Outlooks](#)
- [WPC Precipitation Outlooks](#)
- [National Water Prediction Service](#)
- [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



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