



Severe Weather, Flooding, and Heat

July 9, 2026
6:30 AM

Thursday Through the Weekend

Key Messages

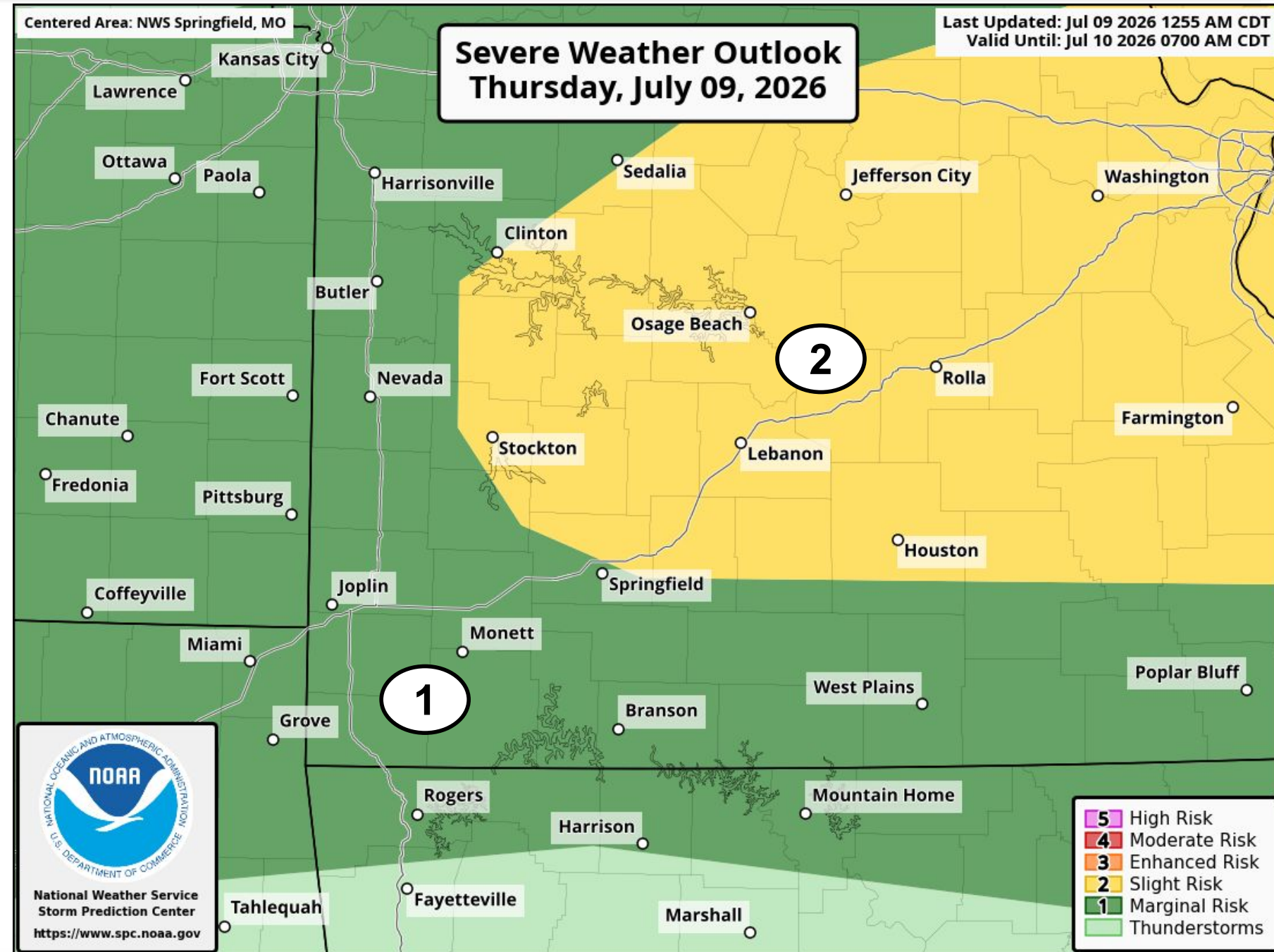
- **Strong to Severe Thunderstorms:** There is a **Marginal** (1/5) to **Slight** (2/5) risk for severe thunderstorms today, with damaging wind gusts the primary hazard.
- **Excessive Rainfall/Flash Flooding:** There is a **Marginal** (1/4) to **Slight** (2/4) risk for excessive rainfall that may support localized flash flooding today through Sunday.
- **Excessive Heat:** Increasing confidence in excessive heat on Thursday and Friday. Uncertainty due to cloud cover and rain chances.

NEW Important Updates

- Updated severe and excessive rainfall/flooding outlooks.
- Updated timing and lingering uncertainties.

Next Scheduled Briefing

- Thursday Morning





Severe Thunderstorm Potential Thursday

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6:30 AM

Thursday Afternoon – Friday Morning

What

→ Scattered strong to severe thunderstorms with damaging winds the most likely hazard. Additional clusters of thunderstorms then move through the area tonight into Friday morning.

Where

→ Across the entire area. The greatest severe potential is across central and south central MO.

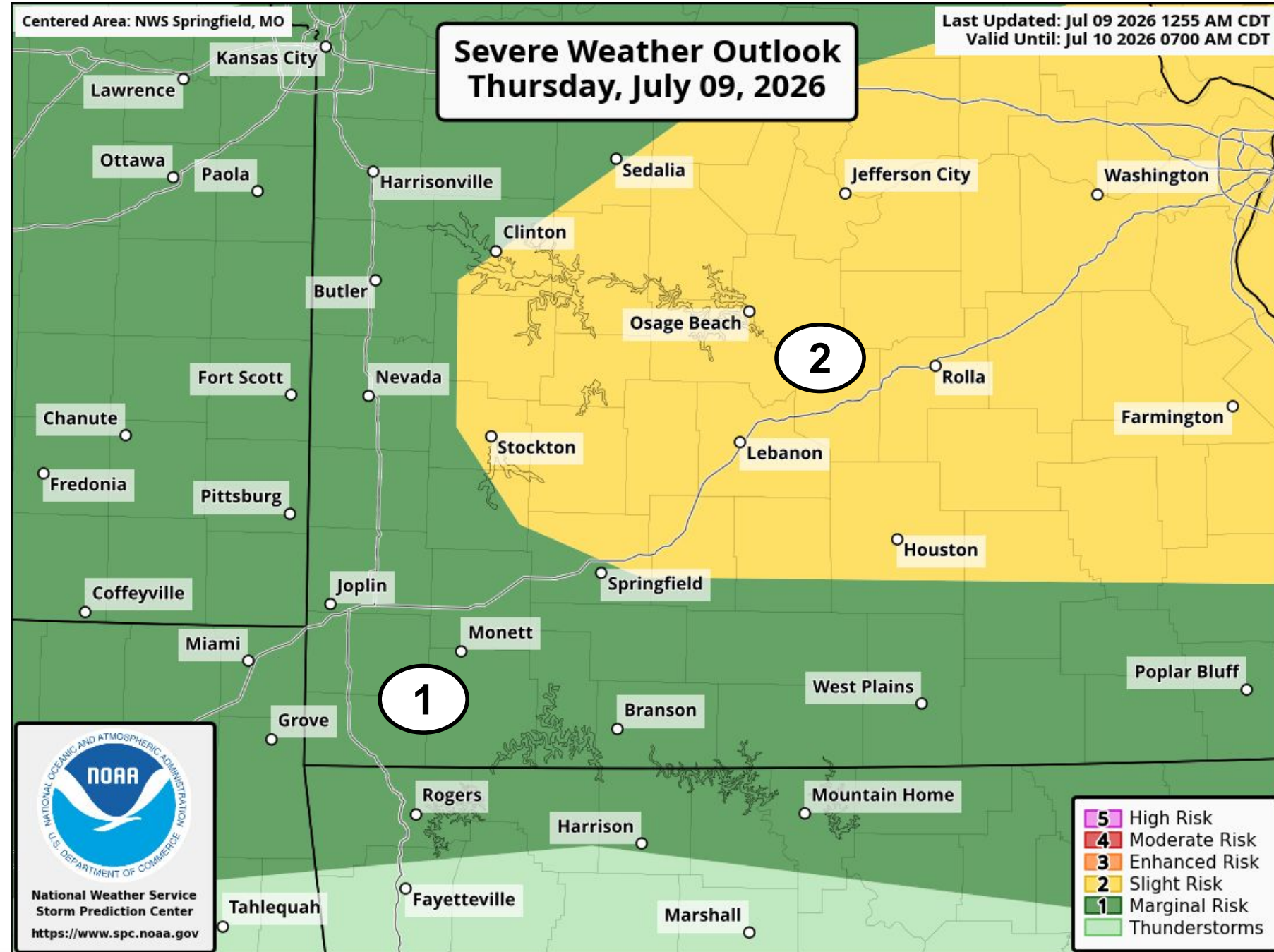
When

→ One round this morning with another this afternoon through Friday morning.

Additional Details

→ Lingering uncertainty with the exact timing and extent of thunderstorm coverage.

→ A tornado





Hazard Probabilities Thursday

July 9, 2026
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Thursday Afternoon - Friday Morning



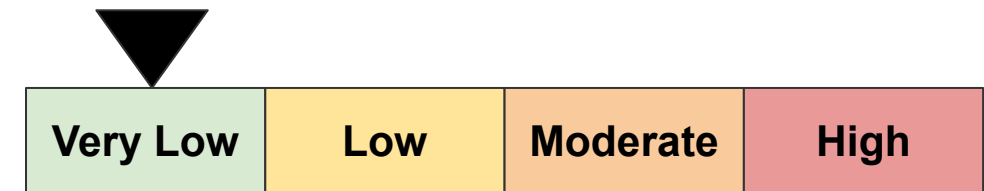
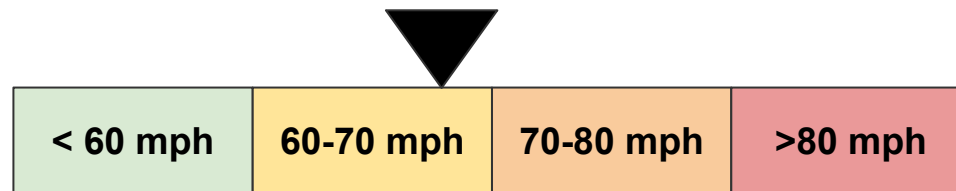
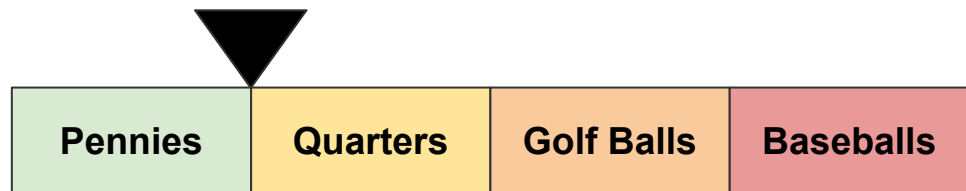
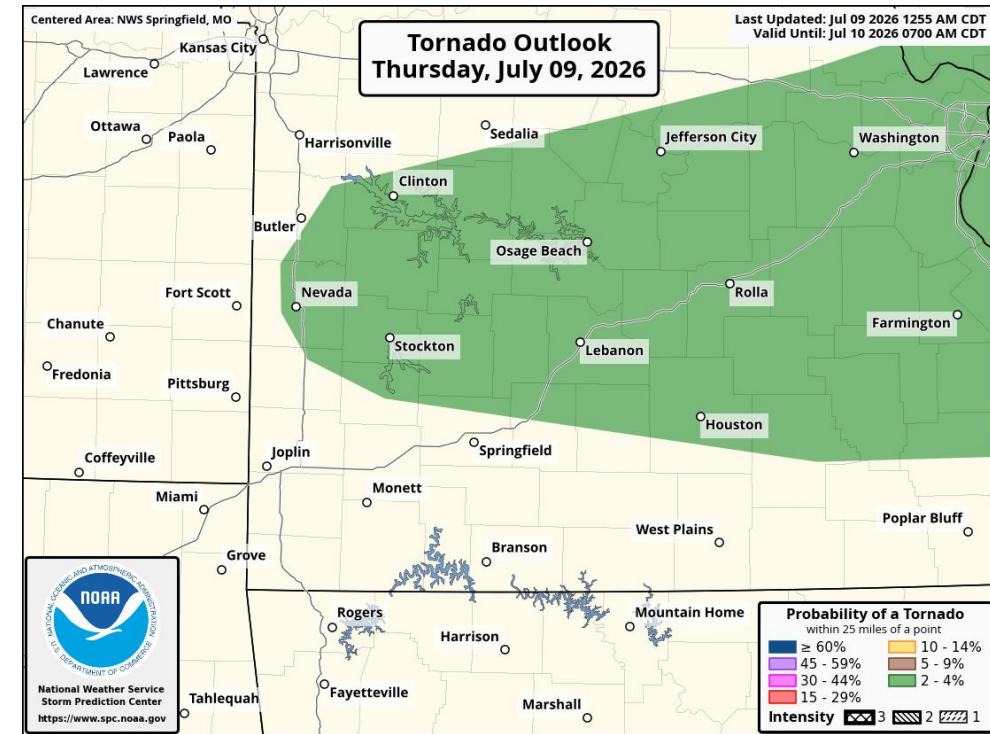
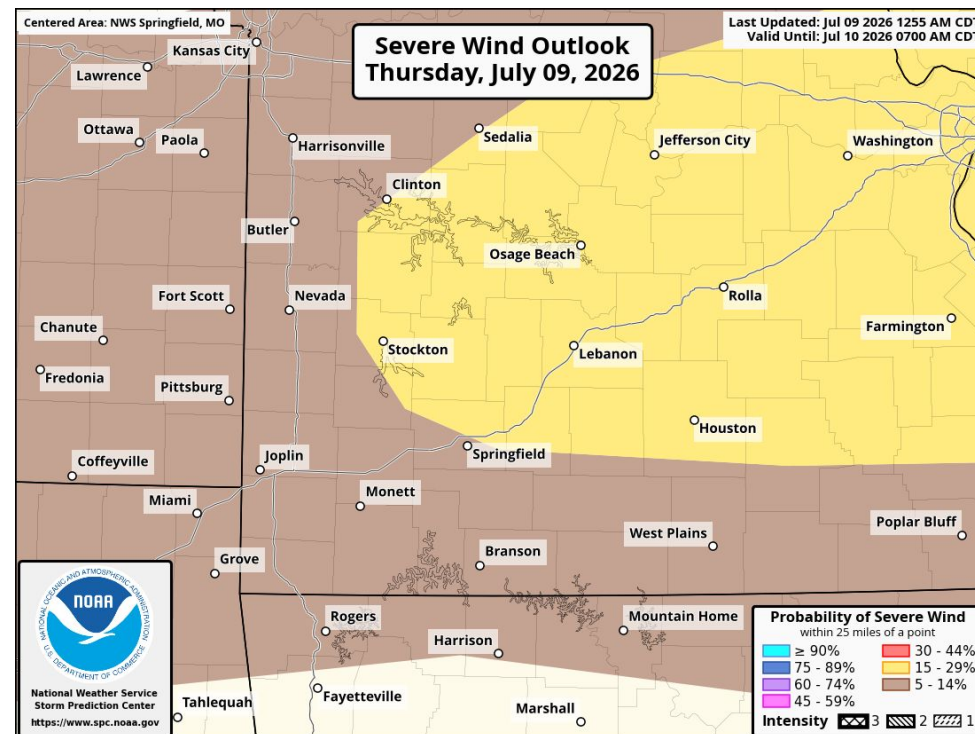
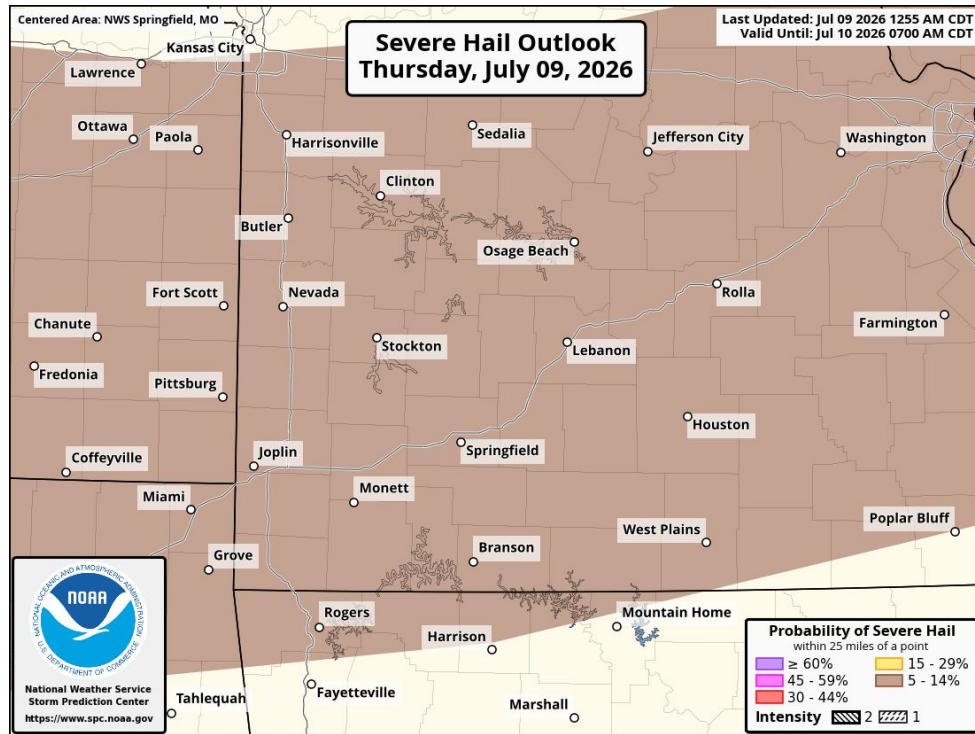
Hail Probability



Wind Probability



Tornado Probability





Severe Thunderstorm Potential Friday

July 9, 2026
6:30 AM

Friday Afternoon - Friday Night

What

→ Potential for a few clusters of strong to marginally severe thunderstorms.

Where

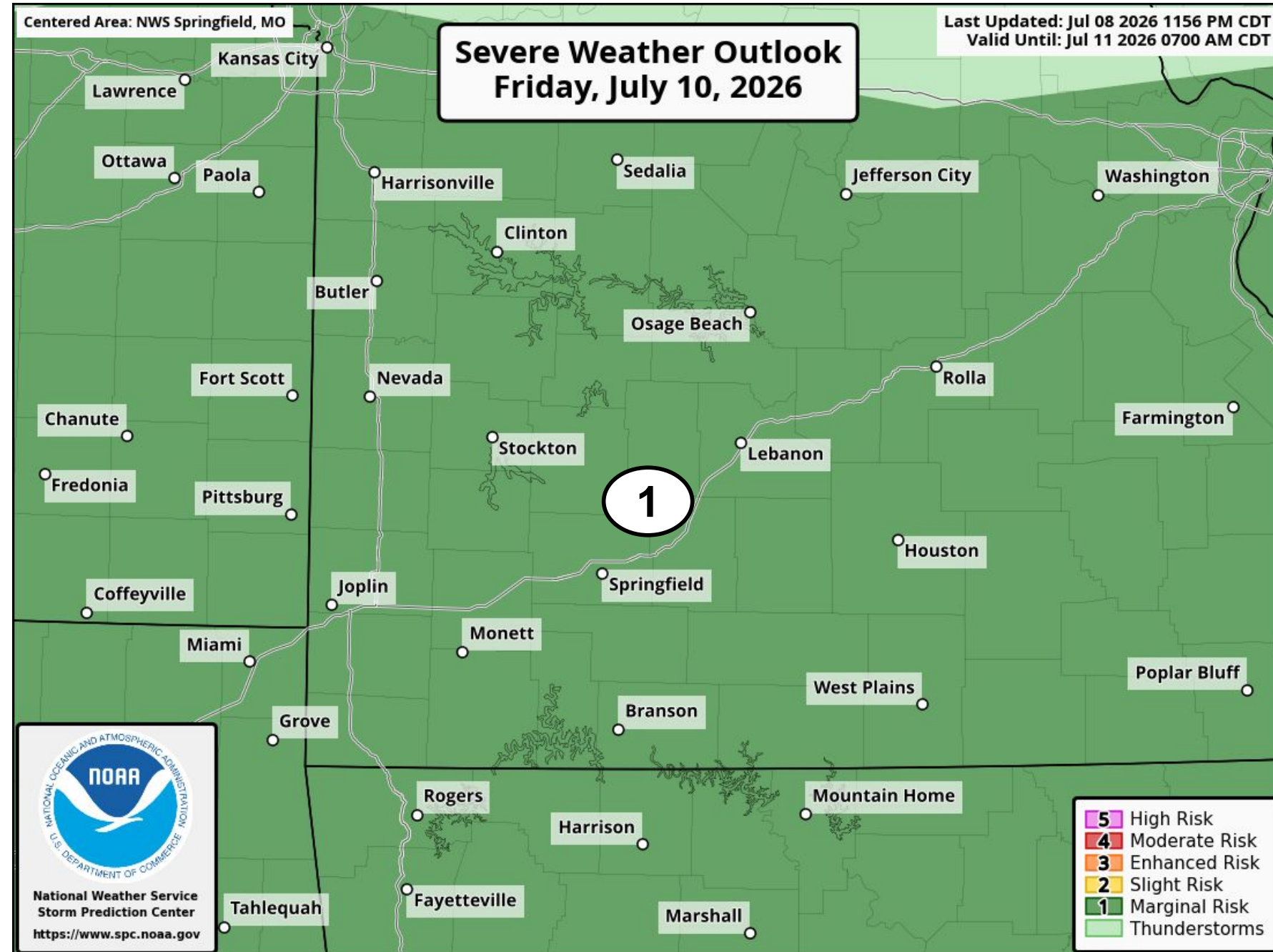
→ The entire area.

When

→ Friday afternoon through Friday night.

Additional Details

→ Lingering uncertainty with the exact timing and extent of thunderstorm coverage.





Hazard Probabilities Friday

July 9, 2026
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Friday Afternoon – Friday Night



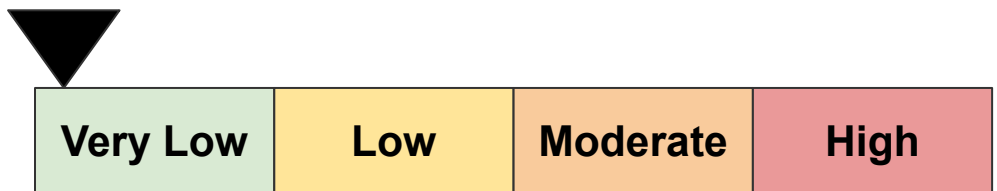
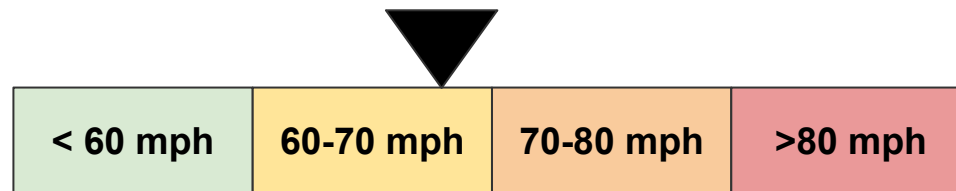
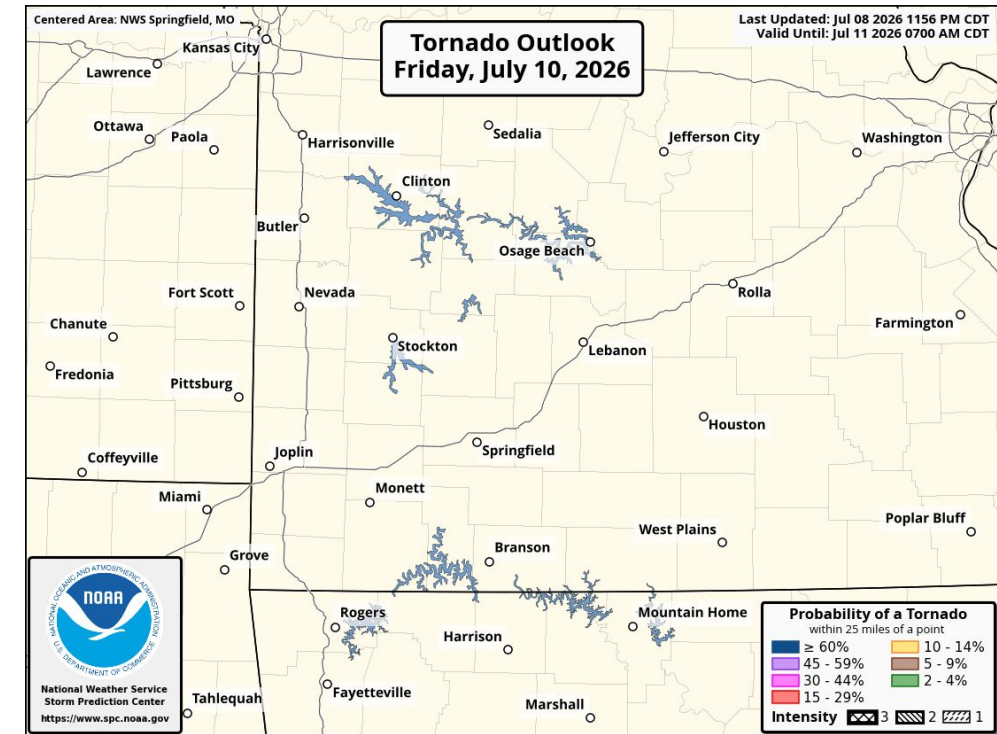
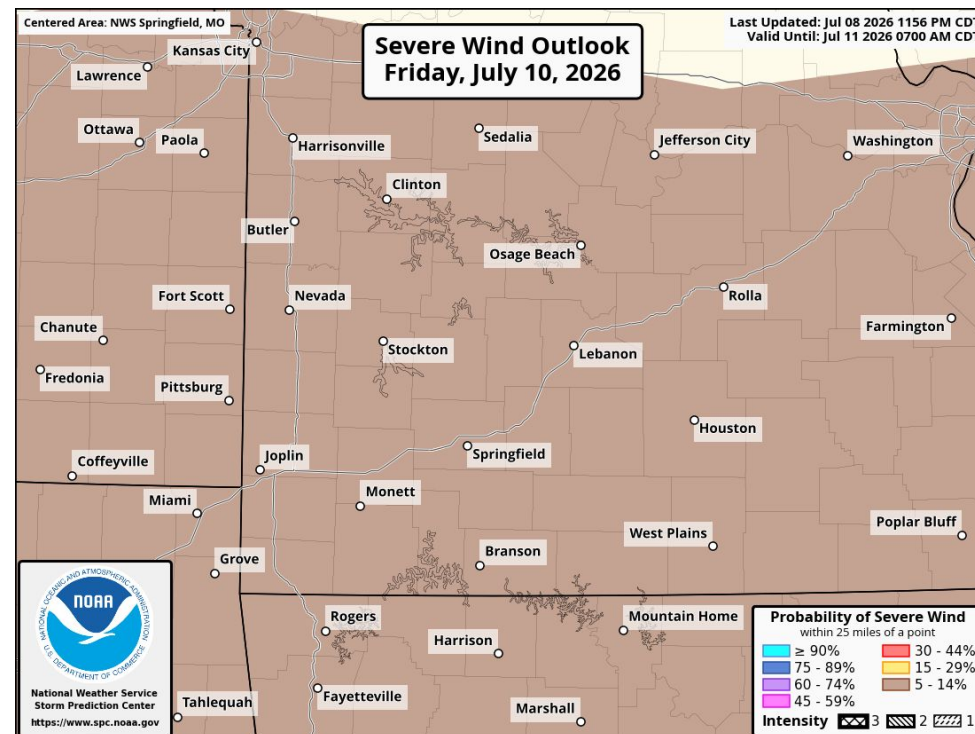
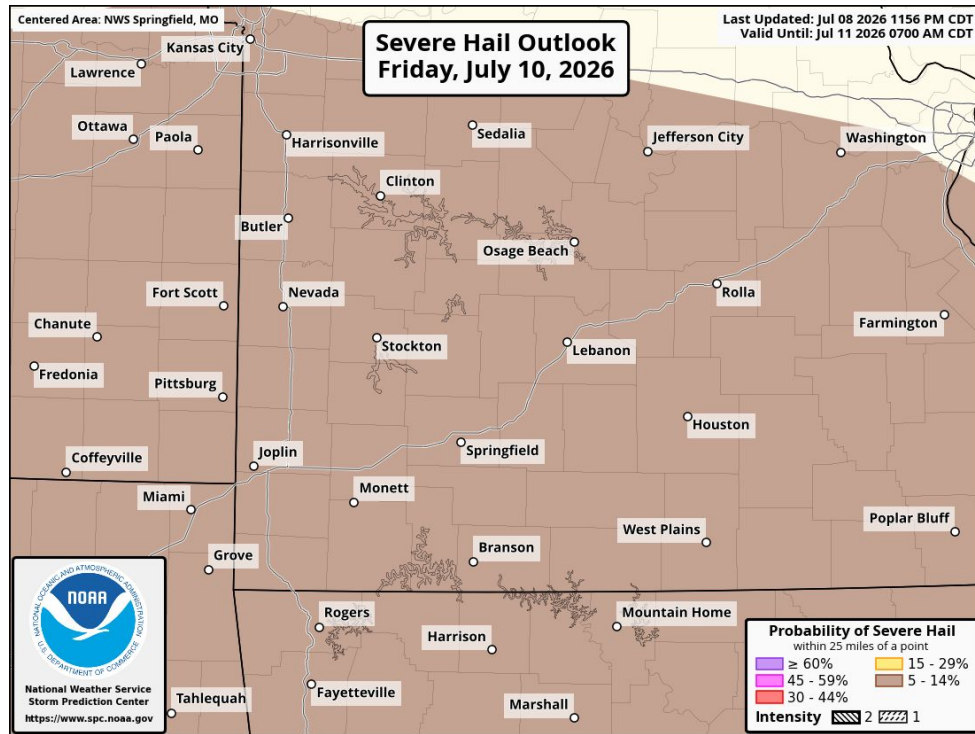
Hail Probability



Wind Probability



Tornado Probability

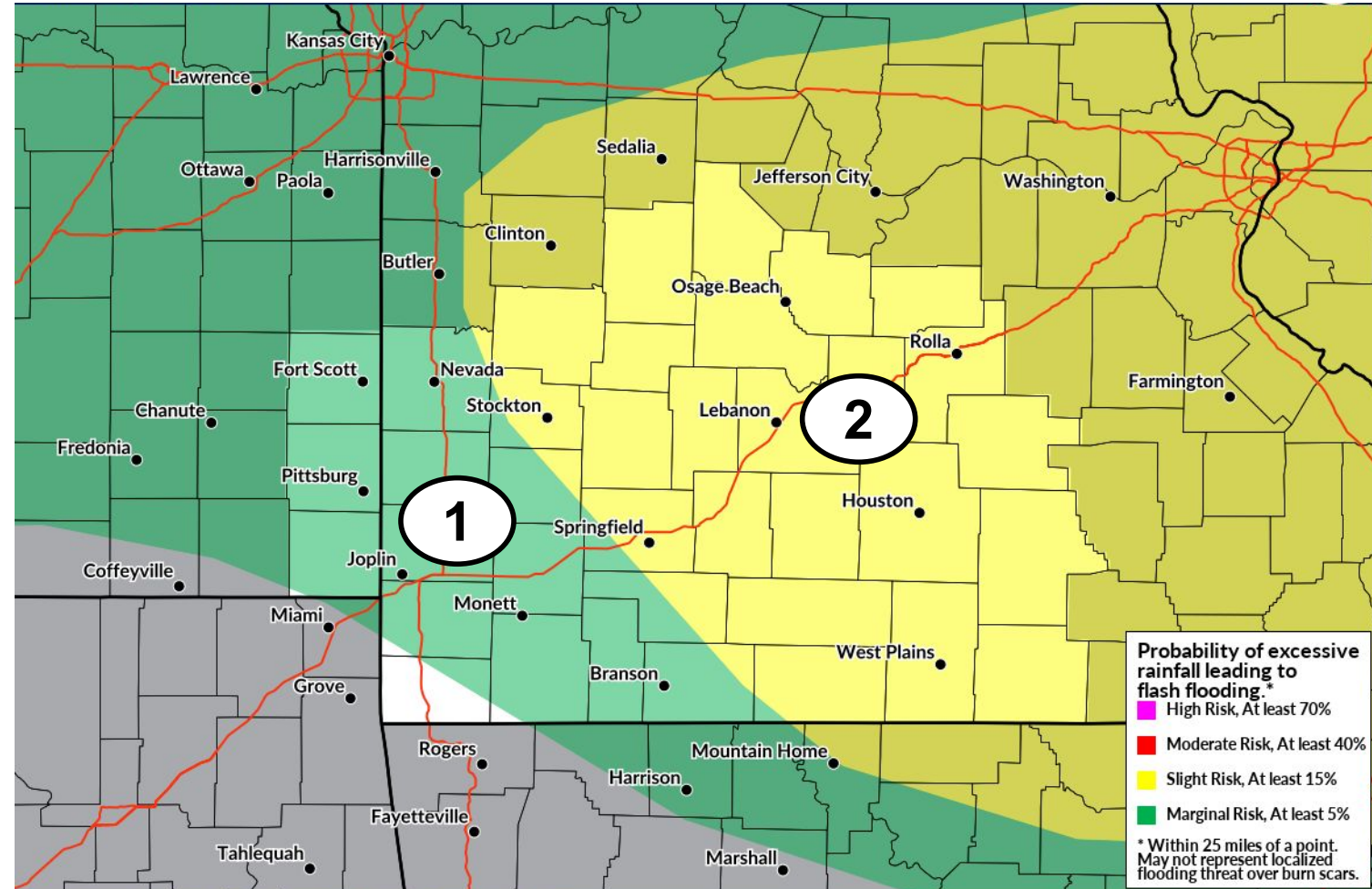




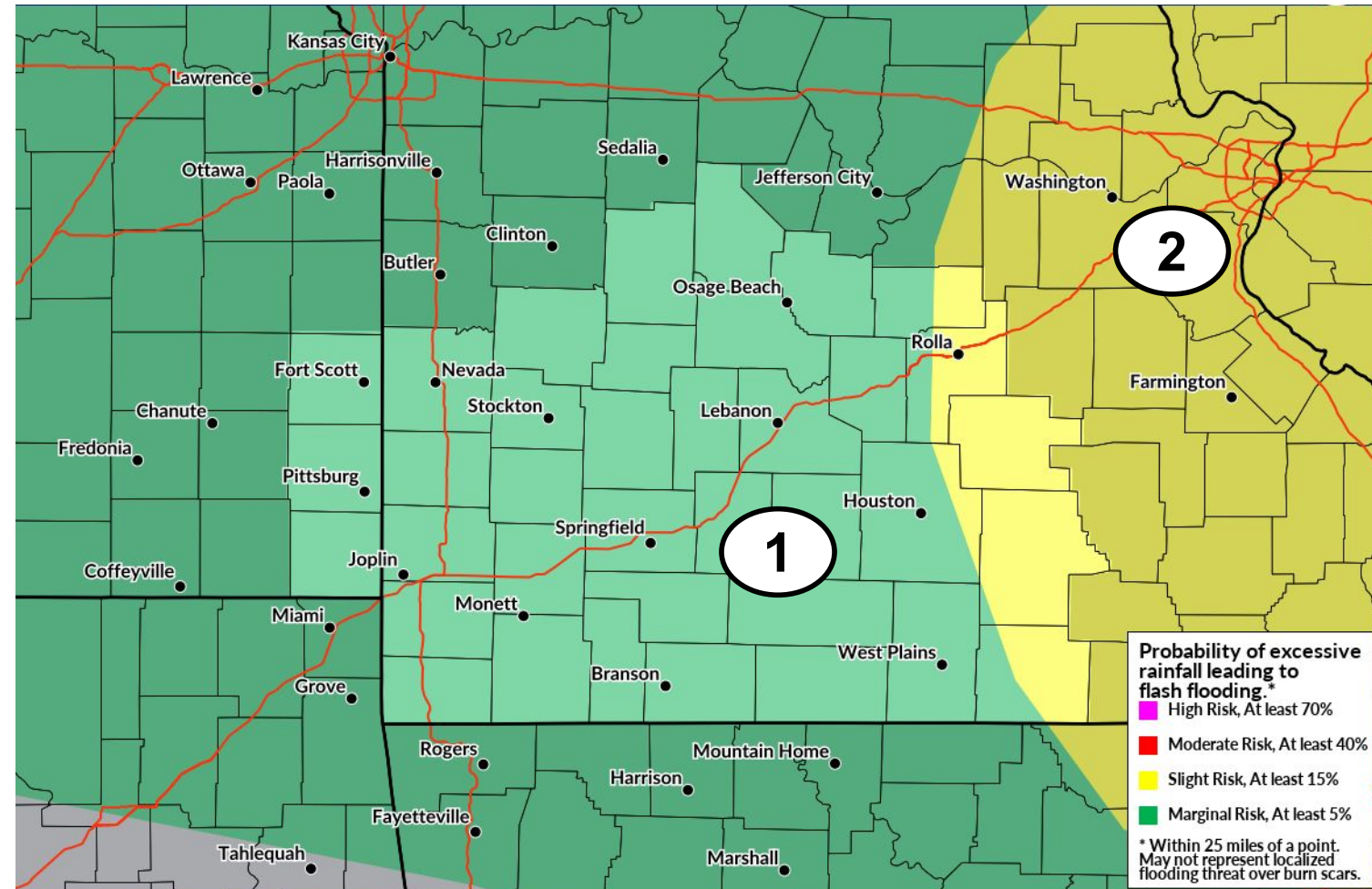
Excessive Rainfall Outlook

July 9, 2026
6:30 AM

Thursday and Friday



Excessive Rainfall Outlook Thursday



Excessive Rainfall Outlook Friday

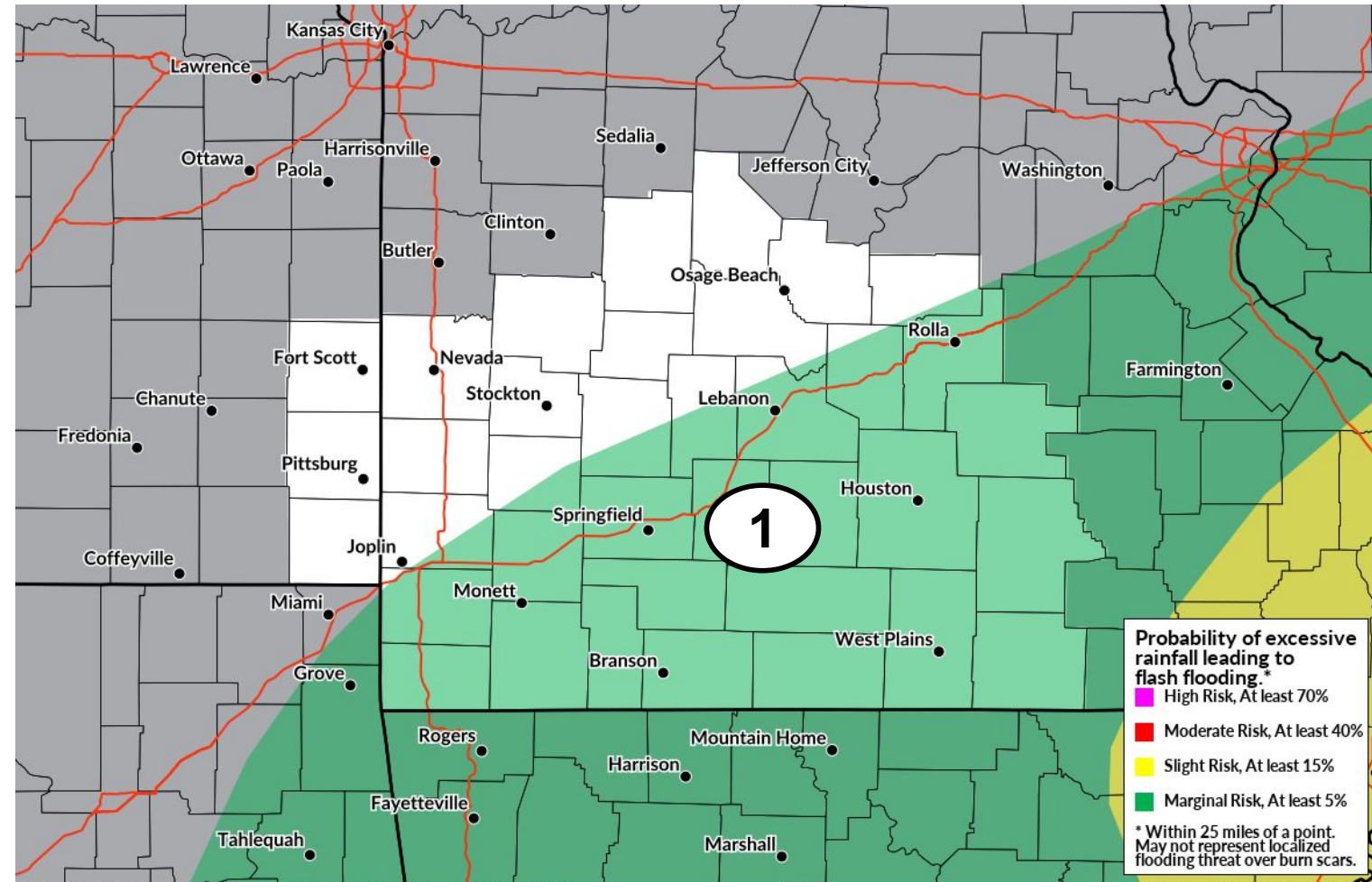
→ Rainfall rates of 1 to 3 inches per a hour may support localized flash flooding, especially where repeated thunderstorms occur.



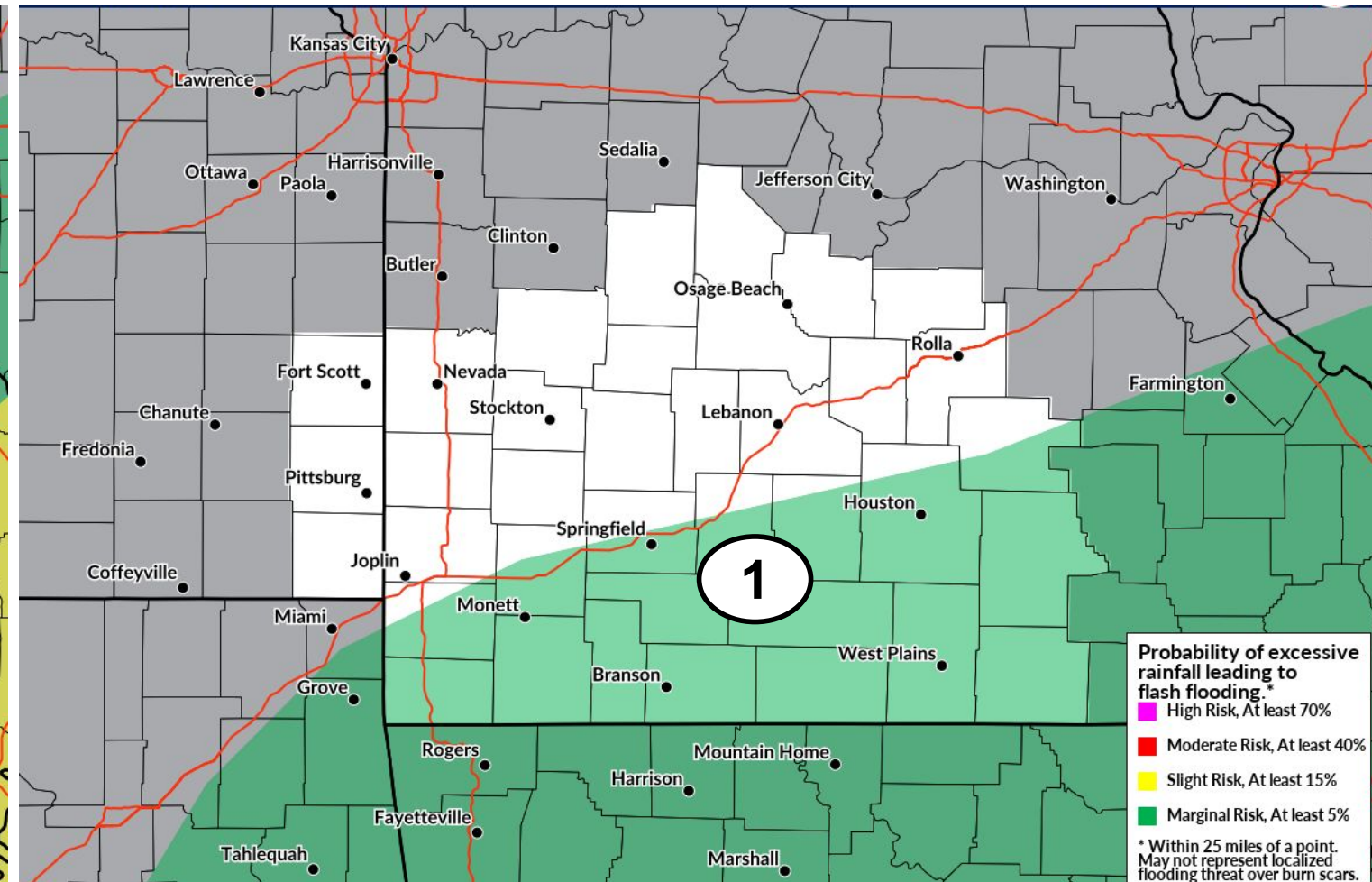
Excessive Rainfall Outlook

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Saturday and Sunday



Excessive Rainfall Outlook Saturday



Excessive Rainfall Outlook Sunday

➔ Rainfall rates of 1 to 3 inches per a hour may support localized flash flooding, especially where repeated thunderstorms occur.



Weekend Rain Timeline

July 9, 2026
6:30 AM

Probability of Precipitation (%) Forecast

	7/9 Thu				7/10 Fri				7/11 Sat				7/12 Sun											
	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12am	3am	6am	9am				
Pittsburg, KS	5	5	15	10	25	25	20	0	0	0	30	40	40	55	55	25	25	25	25	40	40	45	45	15
Joplin	5	5	20	10	20	15	15	0	15	10	25	35	35	55	55	20	20	40	40	45	45	50	50	20
Nevada	5	10	25	20	25	20	20	0	0	0	45	55	55	60	60	25	25	35	35	40	40	35	35	15
Monett	5	5	15	5	20	10	15	0	0	15	25	30	30	55	55	30	30	50	50	50	50	50	50	20
Bolivar	5	5	10	45	40	30	30	0	20	0	40	55	55	60	60	45	45	40	40	35	35	40	40	15
Warsaw	5	5	10	40	50	15	20	0	5	0	40	55	55	55	55	35	35	45	45	25	25	15	15	10
Springfield	5	5	15	20	35	30	30	0	0	0	35	40	40	60	60	40	40	40	40	45	45	45	45	15
Branson	10	5	10	20	10	15	20	0	0	25	20	20	20	50	50	25	25	40	40	55	55	50	50	25
Lebanon	10	25	20	35	40	40	35	0	0	0	45	65	65	60	60	40	40	45	45	40	40	40	40	15
Osage Beach	10	10	20	55	60	35	25	0	0	0	40	55	55	50	50	40	40	45	45	40	40	35	35	15
Mountain Grove	10	25	35	25	30	40	40	0	0	5	35	50	50	50	50	30	30	45	45	45	45	40	40	15
Fort Leonard Wood	10	15	15	40	55	50	35	0	0	0	45	60	60	55	55	35	35	30	30	40	40	40	40	25
West Plains	20	15	50	35	35	25	35	0	0	15	25	30	30	50	50	25	25	50	50	50	50	45	45	10
Rolla	25	25	35	45	55	60	45	0	0	0	45	60	60	50	50	30	30	30	30	40	40	25	25	30

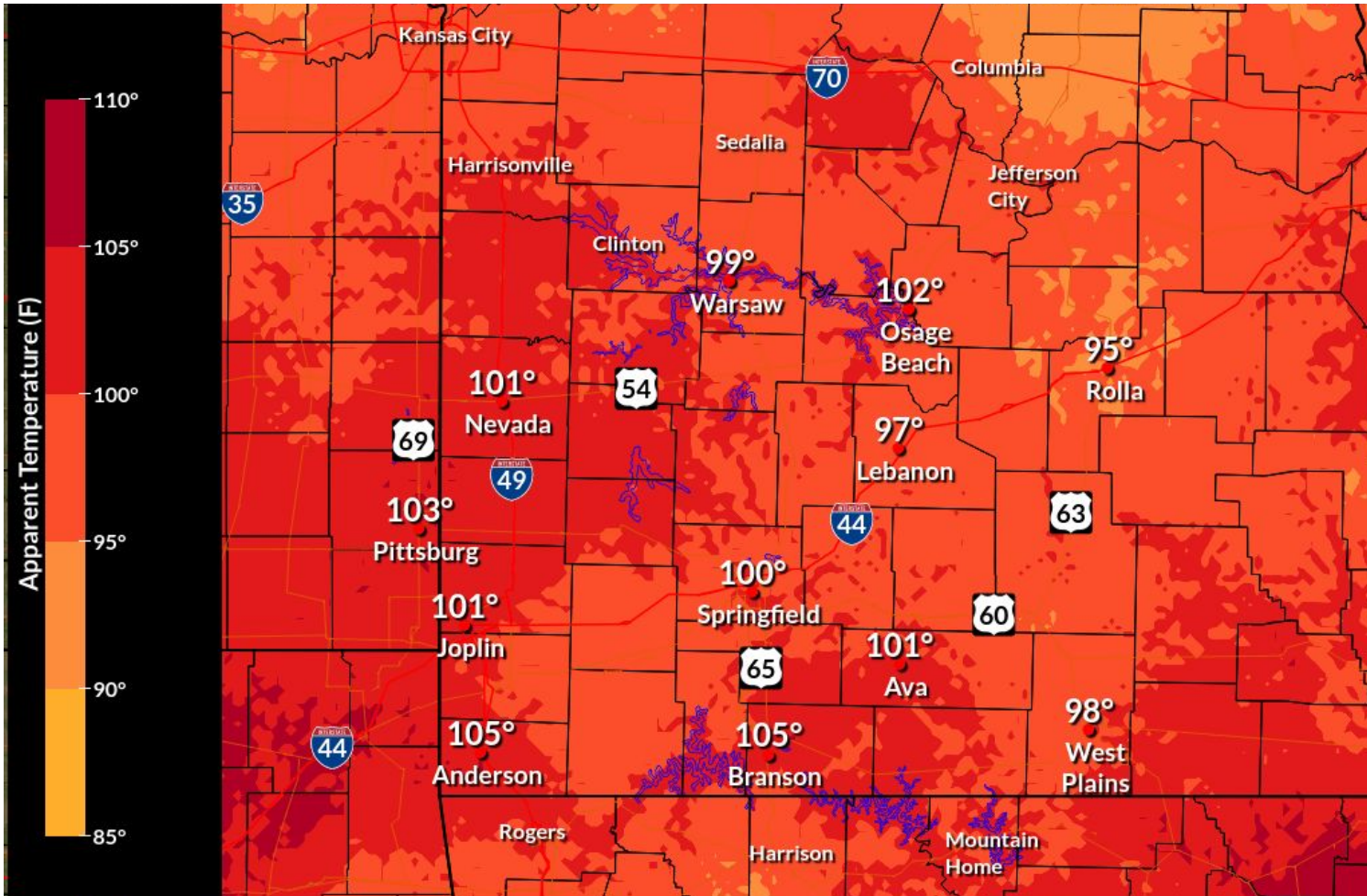




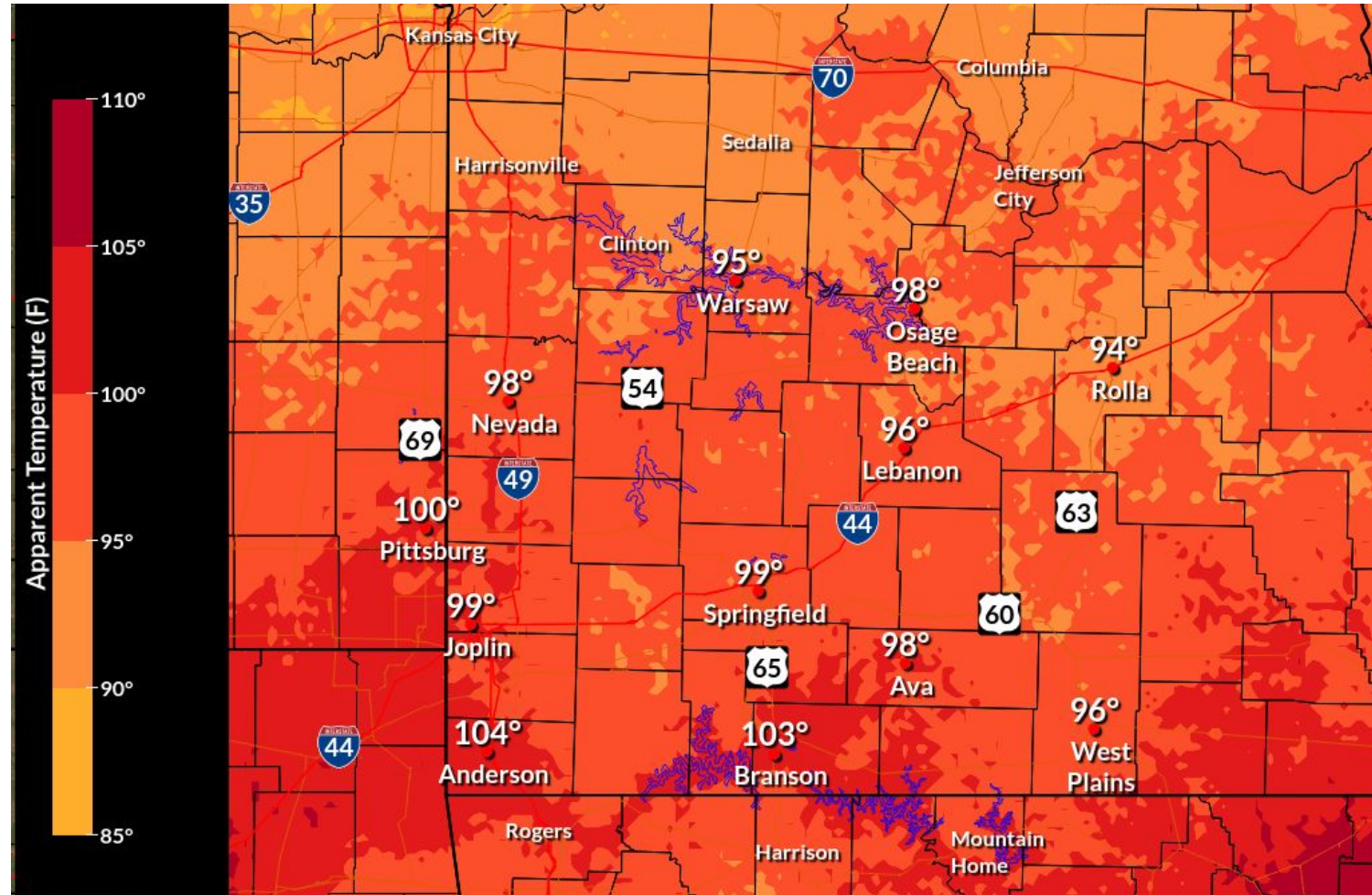
Maximum Heat Index

July 9, 2026
6:30 AM

Thursday and Friday



Max Heat Index Thursday



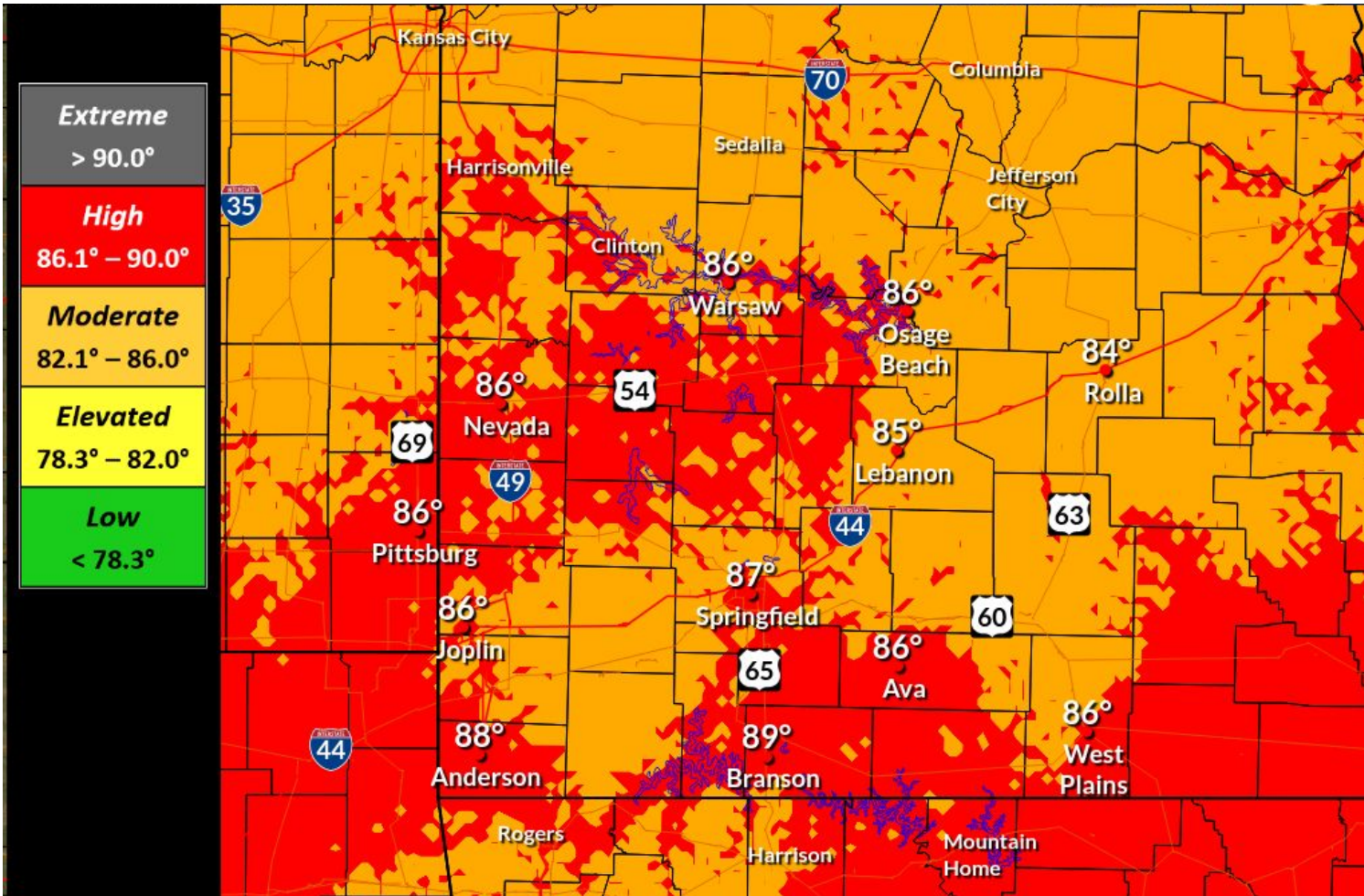
Max Heat Index Friday



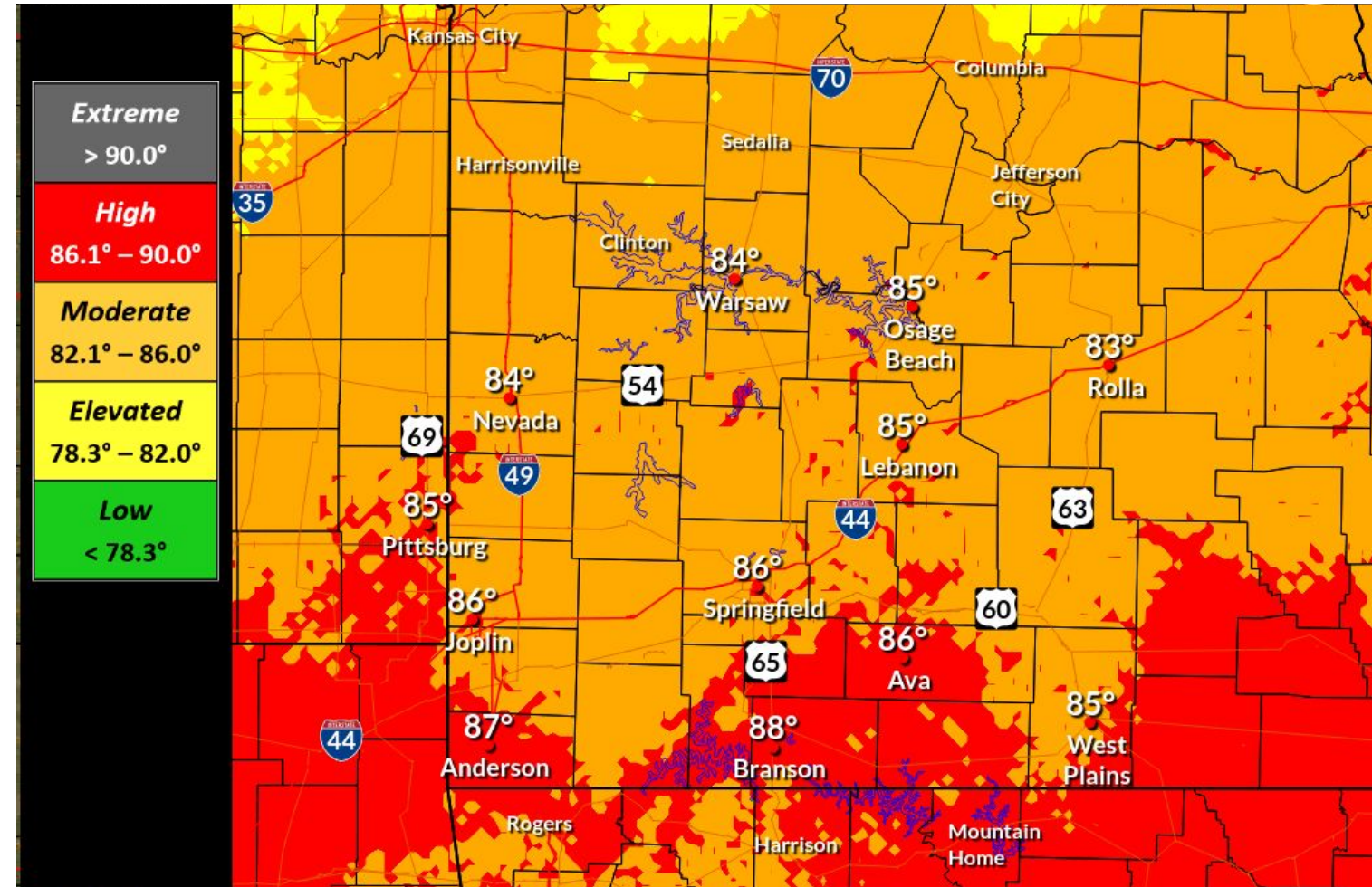
Maximum Wet Bulb Globe Temperature

July 9, 2026
6:30 AM

Thursday and Friday



Max Wet Bulb Globe Temperatures Thursday



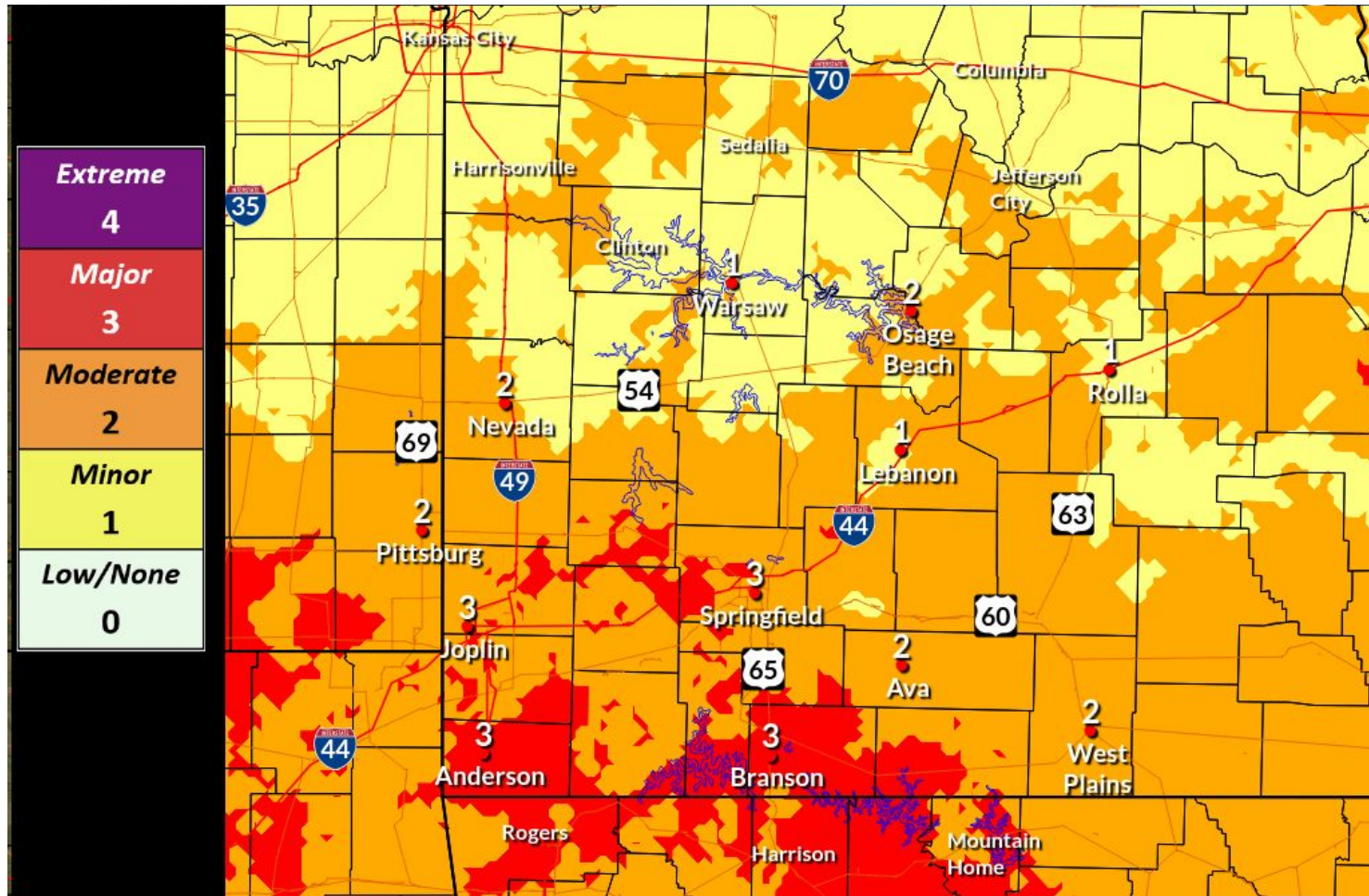
Max Wet Bulb Globe Temperatures Friday



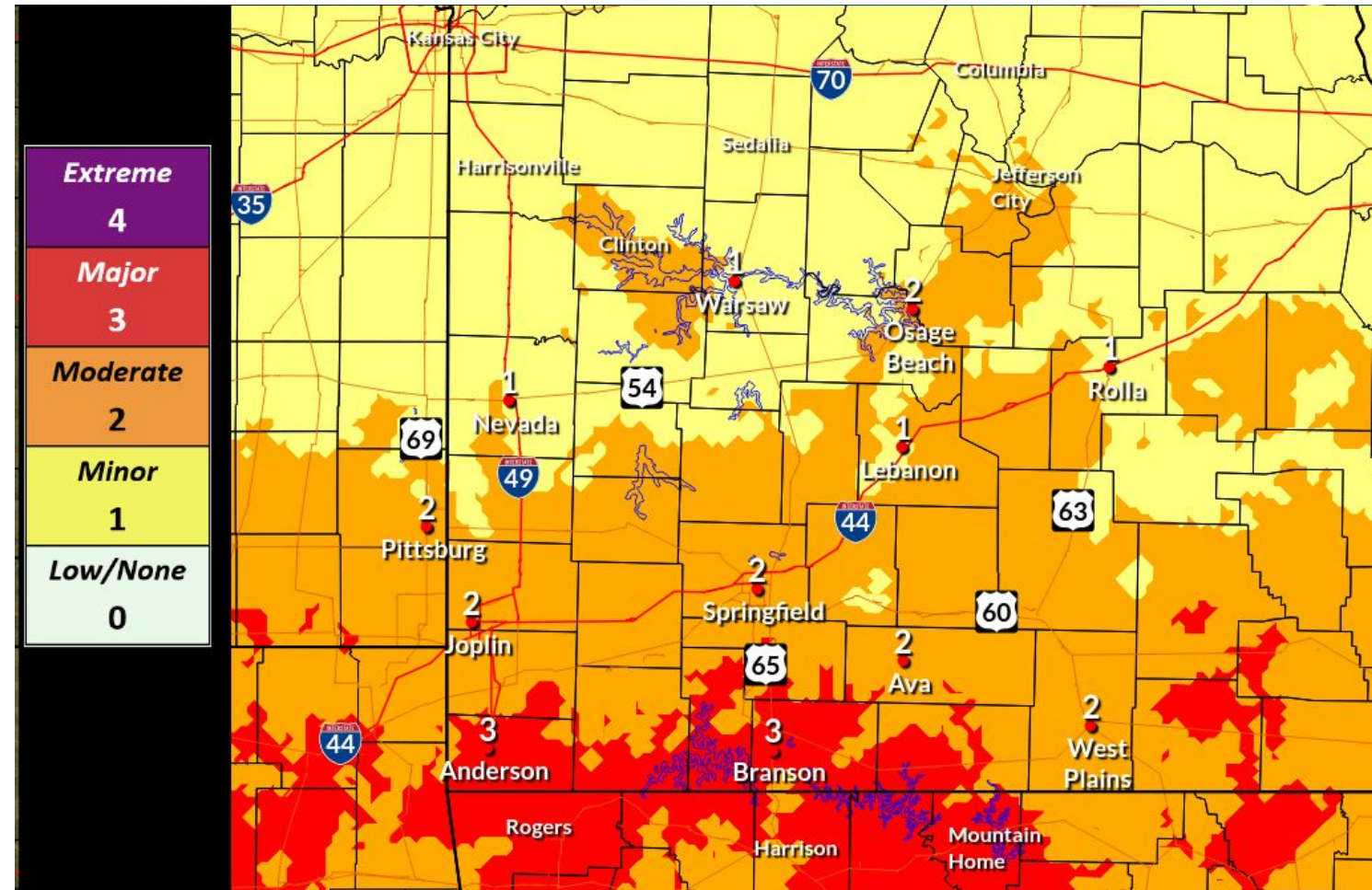
Maximum NWS HeatRisk

July 9, 2026
6:30 AM

Thursday and Friday



Max HeatRisk Thursday



Max HeatRisk Friday



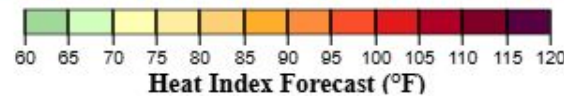
Heat Index Forecast

July 9, 2026
6:30 AM

Thursday and Friday

Heat Index (°F) Forecast

	7/9 Thu														7/10 Fri																						
	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am	5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	
Warsaw	77	85	89	94	98	99	99	102	102	102	102	97	87	85	78	78	77	77	76	75	75	74	75	76	77	85	89	92	94	95	95	96	98	95	95	92	
Osage Beach	78	87	90	93	96	99	99	99	102	102	100	97	87	79	78	79	78	78	77	76	75	75	75	77	78	87	89	92	94	96	96	96	98	96	96	93	
Rolla	77	84	89	90	92	93	94	93	94	93	91	87	79	77	76	76	76	75	74	74	73	72	73	74	76	79	87	90	92	93	92	92	92	90	88	84	
Nevada	77	84	89	92	94	98	99	101	101	100	98	94	87	85	79	84	79	78	77	76	75	74	74	76	78	85	88	90	91	94	96	96	98	96	94	92	
Fort Leonard Wood	77	86	90	90	92	94	96	94	97	95	93	90	79	78	77	77	77	76	75	75	74	73	74	75	77	84	87	90	92	93	93	93	95	94	91	88	
Lebanon	78	87	90	92	94	96	96	96	97	96	93	89	79	78	77	77	77	76	75	75	74	73	74	75	78	85	88	90	91	94	94	94	96	93	90	89	
Bolivar	79	87	91	95	96	99	99	99	99	101	96	93	86	79	78	79	78	77	76	76	75	74	74	76	78	86	87	91	94	96	96	96	98	96	94	90	
Pittsburg, KS	78	85	89	93	94	98	100	101	103	103	99	97	91	88	86	86	85	83	79	78	77	76	76	78	79	86	90	92	94	96	98	98	100	97	96	94	
Springfield	84	90	92	95	97	100	100	100	100	97	96	95	88	85	83	83	79	79	78	77	76	75	75	77	79	86	89	94	95	96	96	96	98	96	94	91	
Mountain Grove	77	86	90	93	94	95	97	94	94	94	90	85	77	76	76	76	76	75	75	75	74	73	73	75	77	84	87	92	93	94	95	94	93	92	89	79	
Joplin	84	88	91	95	97	99	101	100	101	100	99	96	91	88	87	87	85	84	83	79	78	77	77	79	85	87	91	94	95	98	99	99	99	100	98	95	
Monett	79	88	90	93	94	96	96	96	97	96	93	91	84	83	79	83	79	79	78	77	76	75	75	77	79	86	90	91	92	94	94	94	96	94	92	90	
West Plains	78	87	92	94	97	97	98	97	94	93	90	86	78	77	76	76	76	76	75	75	75	74	74	76	78	86	90	94	95	95	96	96	96	96	94	90	86
Branson	87	97	98	101	102	105	104	102	103	102	101	96	91	88	87	86	85	83	83	79	79	78	78	83	87	93	96	98	101	102	102	103	102	102	101	94	





Understanding Heat Index and WBGT

July 9, 2026
6:30 AM

Heat Index

Classification	Heat Index (°F)	Effect on the Body
Caution	80 to 89	Fatigue possible with prolonged exposure and/or physical activity.
Extreme Caution	90 to 102	Heat stroke, heat cramps or heat exhaustion possible with prolonged exposure and/or physical activity.
Danger	103 to 124	Heat cramps or heat exhaustion likely, and heat stroke possible with prolonged exposure and/or physical activity.
Extreme Danger	125 or higher	Heatstroke highly likely with continued exposure.

Heat Index is the most commonly used and understood heat tool by the general public. The higher the values the hotter it's going to feel and the higher the threat for heat related illnesses. It's calculated from the temperature and relative humidity. Heat Index assumes you are in the shade. The Heat Index or the "Apparent Temperature" is an accurate measure of how hot it really feels when the Relative Humidity (RH) is added to the actual air temperature.

Wet Bulb Globe Temperature (WBGT)

Threat Level	WBGT (°F)	Effects	Call to Actions
Low	< 78.3	Normal activities.	Take at least 3-5 minutes of breaks each hour if working or exercising in direct sunlight.
Elevated	78.3 – 82.0	Working or exercising in direct sunlight will stress your body after 45 minutes.	Take at least 15 minutes of breaks each hour if working or exercising in direct sunlight.
Moderate	82.1 – 86.0	Working or exercising in direct sunlight will stress your body after 30 minutes.	Take at least 30 minutes of breaks each hour if working or exercising in direct sunlight.
High	86.1 – 90.0	Working or exercising in direct sunlight will stress your body after 20 minutes.	Take at least 40 minutes of breaks each hour if working or exercising in direct sunlight.
Extreme	> 90.0	Working or exercising in direct sunlight will stress your body after 15 minutes.	Take at least 45 minutes of breaks each hour if working or exercising in direct sunlight.

Wet Bulb Globe Temperature (WBGT) is a measure of the heat stress in direct sunlight, which takes into account: temperature, humidity, wind speed, sun angle and cloud cover (solar radiation). This differs from the heat index, which takes into consideration temperature and humidity and is calculated for shady areas. a particularly effective indicator of heat stress for active populations such as outdoor workers and athletes. Always check with local officials for appropriate actions and activity levels. Experienced heat stress will depend upon duration and intensity of activity and personal health and vulnerability.



Understanding NWS HeatRisk

July 9, 2026
6:30 AM

NWS HeatRisk		
Category		Risk of Heat-Related Impacts
0	Low/None	Little to no risk from expected heat.
1	Minor	Primarily affects individuals extremely sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration.
2	Moderate	Affects most individuals sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration. Impacts possible in some health systems and in heat-sensitive industries.
3	Major	Affects anyone without effective cooling and/or adequate hydration. Impacts likely in some health systems, heat-sensitive industries, and infrastructure.
4	Extreme	Rare and/or long duration extreme heat with little to no overnight relief. Affects anyone without effective cooling and/or adequate hydration. Impacts likely in most health systems, heat-sensitive industries, and infrastructure.

The NWS HeatRisk is an experimental color-numeric-based index that provides a forecast risk of heat-related impacts to occur over a 24-hour period. HeatRisk takes into consideration: How unusual the heat is for the time of the year. The duration of the heat including both daytime and nighttime temperatures. If those temperatures pose an elevated risk of heat-related impacts based on data from the CDC.



Additional Resources

July 9, 2026
6:30 AM

For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [CPC Day 8 to 14 Risk of Hazardous Temperatures](#)
- [Week 2 Global Probabilistic Extreme Forecast Tool](#)
- [Wet Bulb Globe and Heat Index Forecasts](#)
- [Experimental HeatRisk Forecast](#)
- [Wet Bulb Globe Temperature and Heat Index Information](#)
- [Missouri Cooling Centers Map](#)
- [NWS Heat Safety](#)
- [NWS Heat Tools Reference Sheet](#)

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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 |

**TURN AROUND,
DON'T DROWN.®**

WHEN FLOODED
TURN AROUND
DON'T
DROWN

Ready

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