Heat Advisory Through Monday

August 15, 2025
5:14 AM

12pm Friday - 8pm Monday

Key Messages

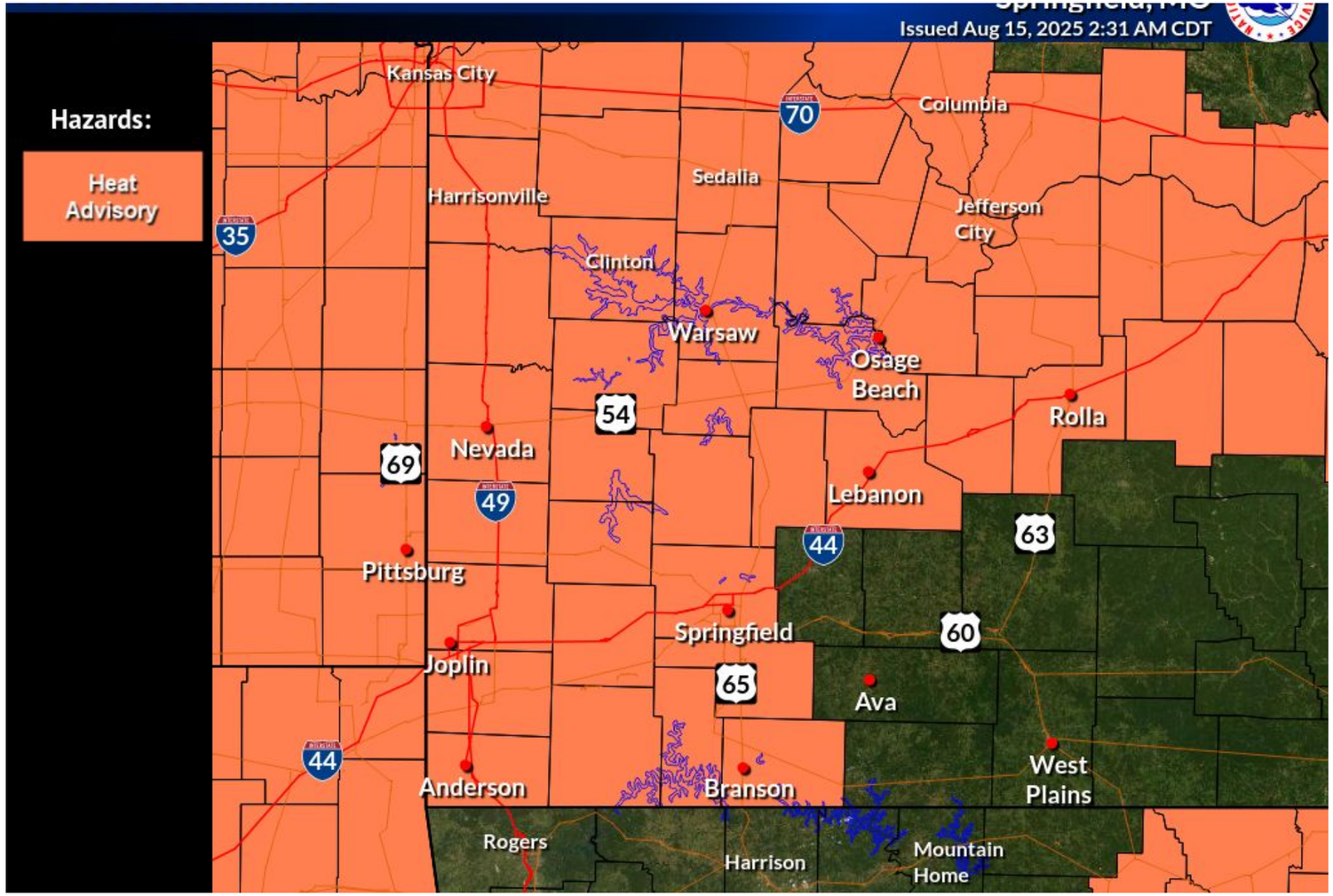
- Daily afternoon heat index values between 100 and 105 degrees. Lower values across south central Missouri. Air temperatures between 95 and 100 degrees.
- Mild overnight low temperatures in the 70s will provide minimal relief at night.
- Heat Advisory 12pm Friday through 8pm Monday for portions of the area.

NEW Important Updates

- First Issuance

Next Scheduled Briefing

- As needed through the weekend

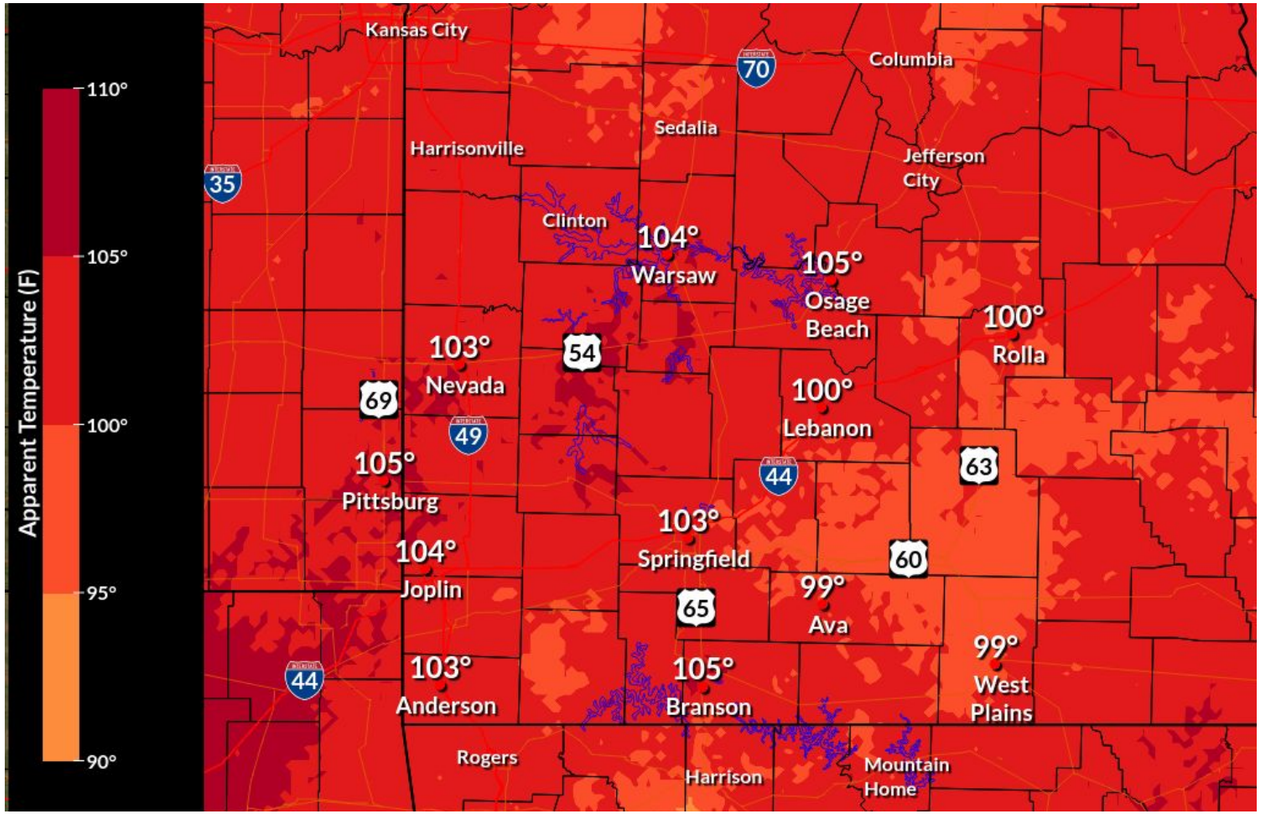


Heat Advisory through Monday

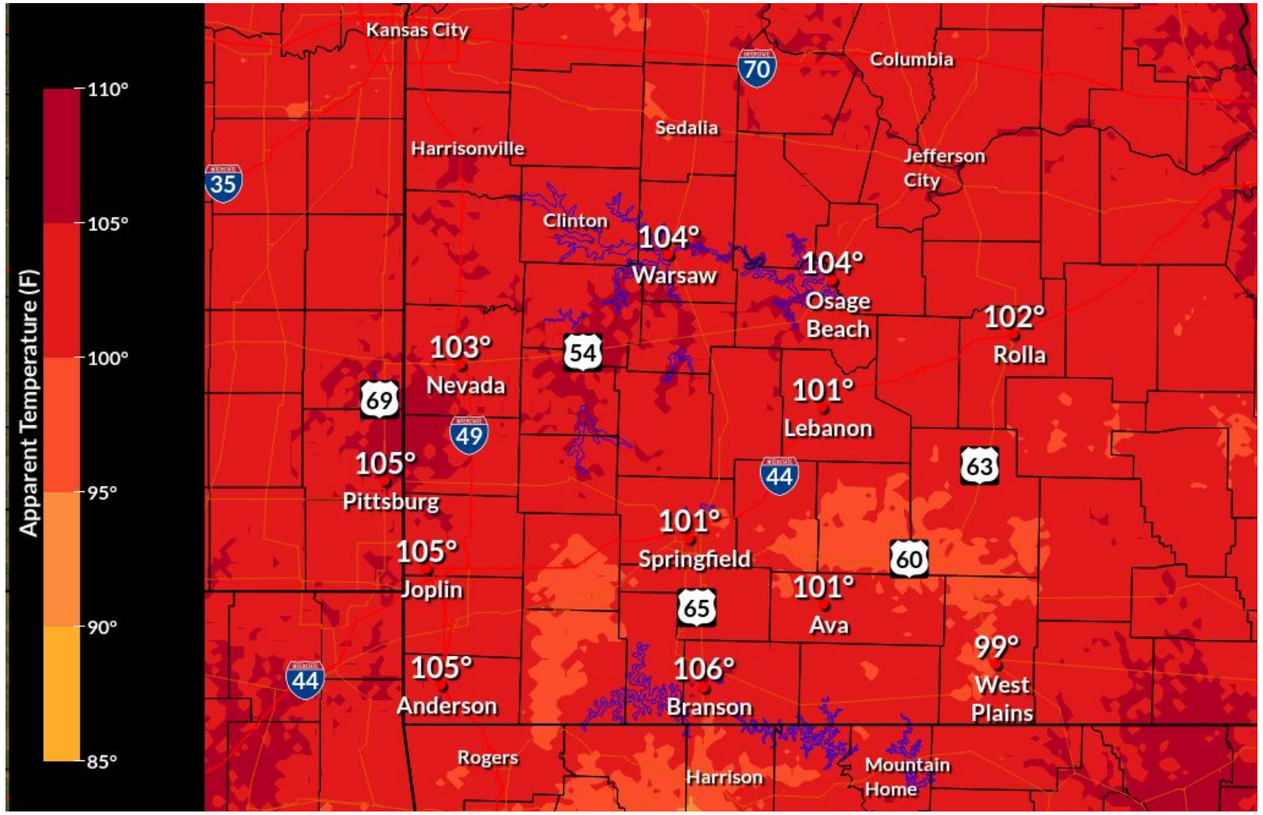
Maximum Afternoon Heat Index

August 15, 2025
5:14 AM

Today and Saturday



Maximum Heat Index Today



Maximum Heat Index Saturday

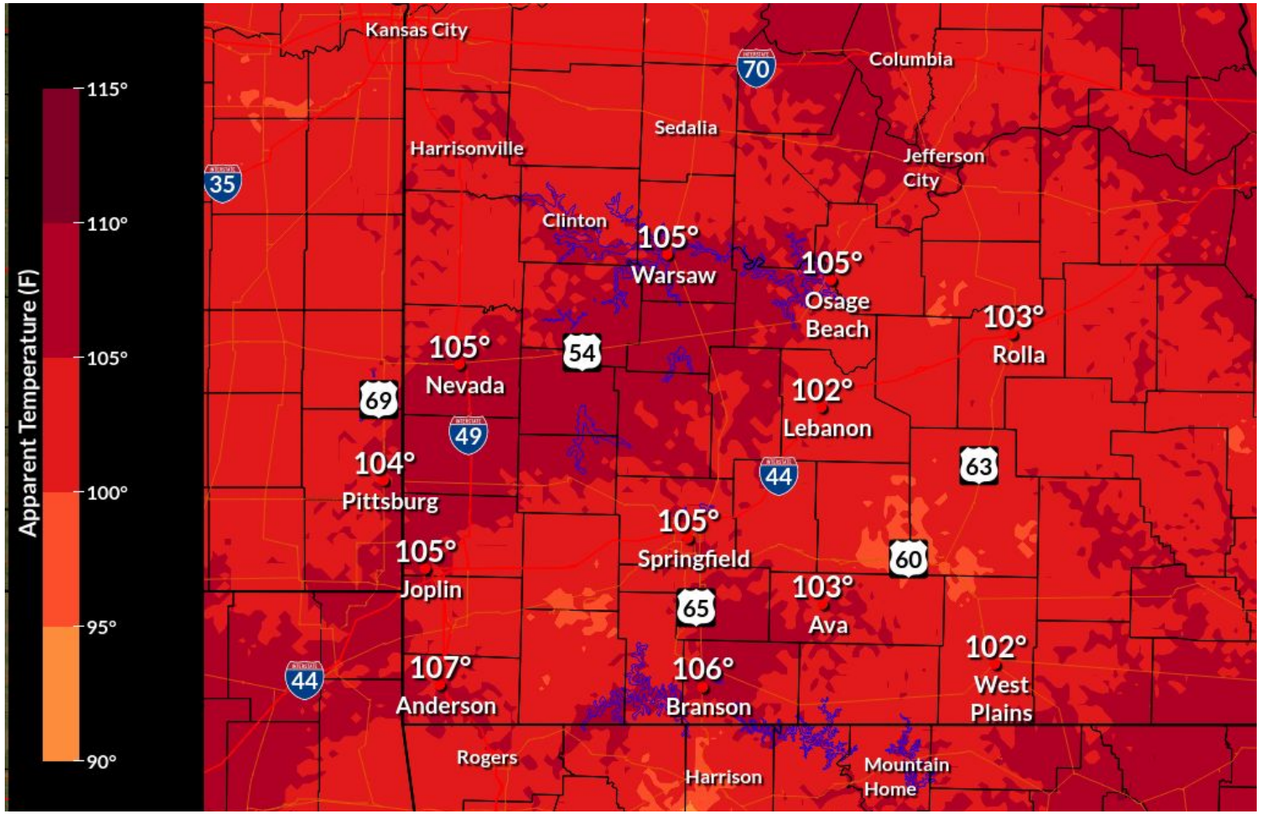
National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Springfield, MO

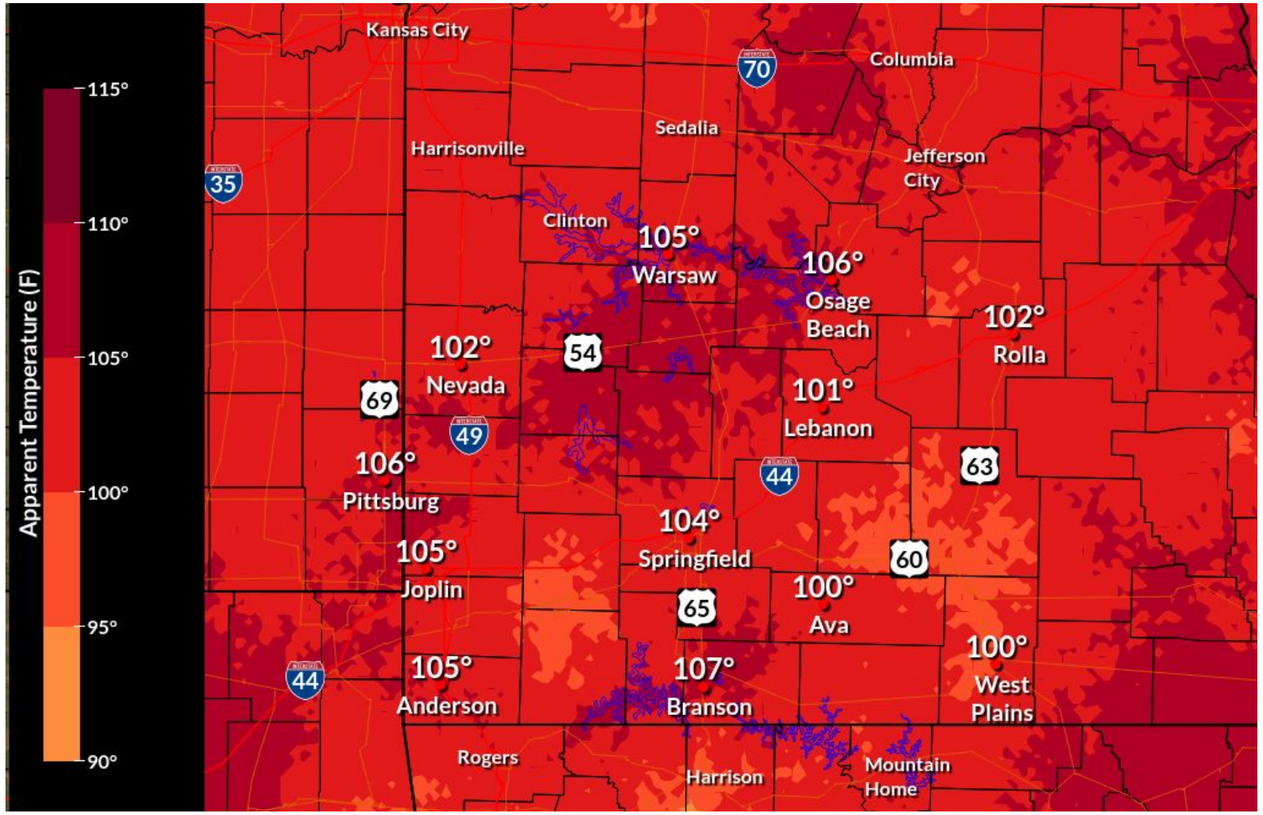
Maximum Afternoon Heat Index

August 15, 2025
5:14 AM

Sunday and Monday



Maximum Heat Index Sunday



Maximum Heat Index Monday

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

National Weather Service
Springfield, MO

Understanding Heat Index

August 15, 2025
5:14 AM

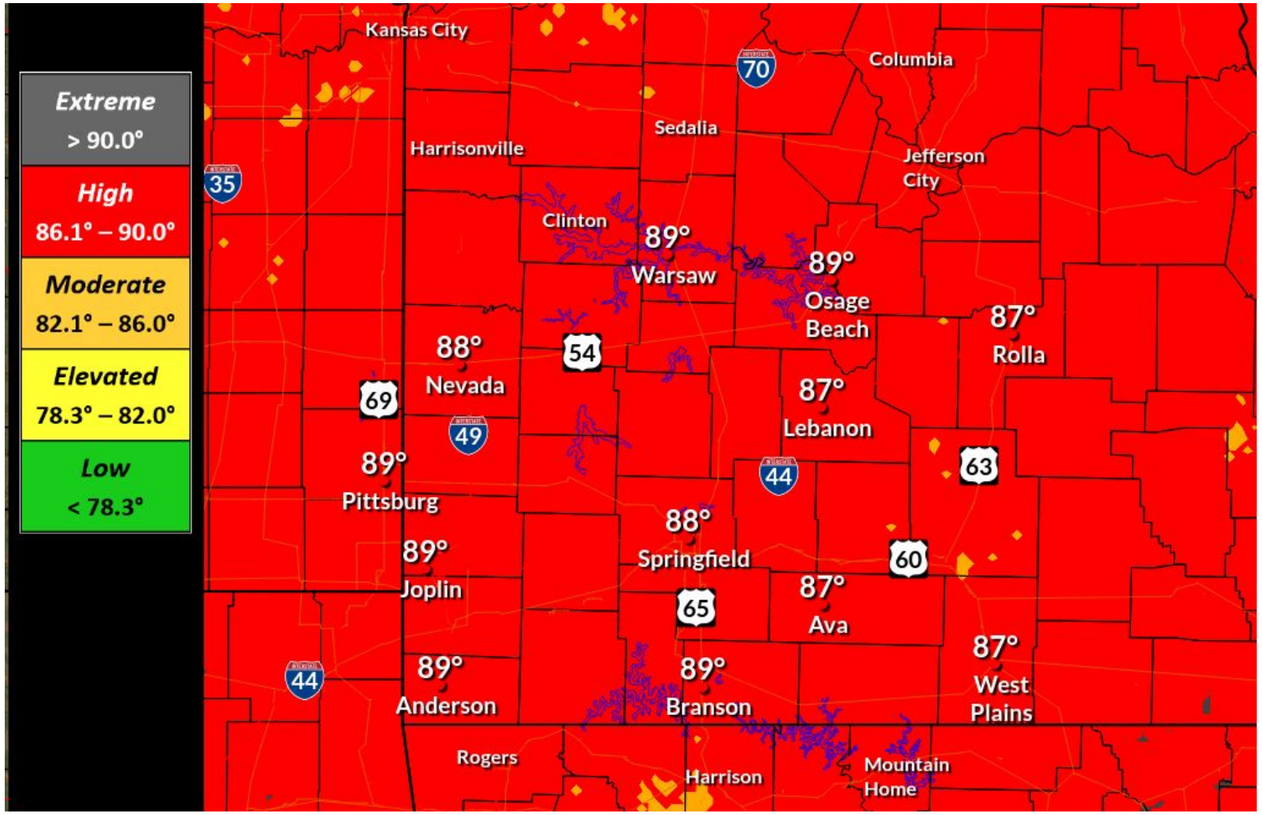
Heat Index		
Classification	**Heat Index (°F)**	**Effect on the Body**
Caution	80 to 89	Fatigue possible with prolonged exposure and/or physical activity.
Extreme Caution	90 to 102	Heat stroke, heat cramps or heat exhaustion possible with prolonged exposure and/or physical activity.
Danger	103 to 124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

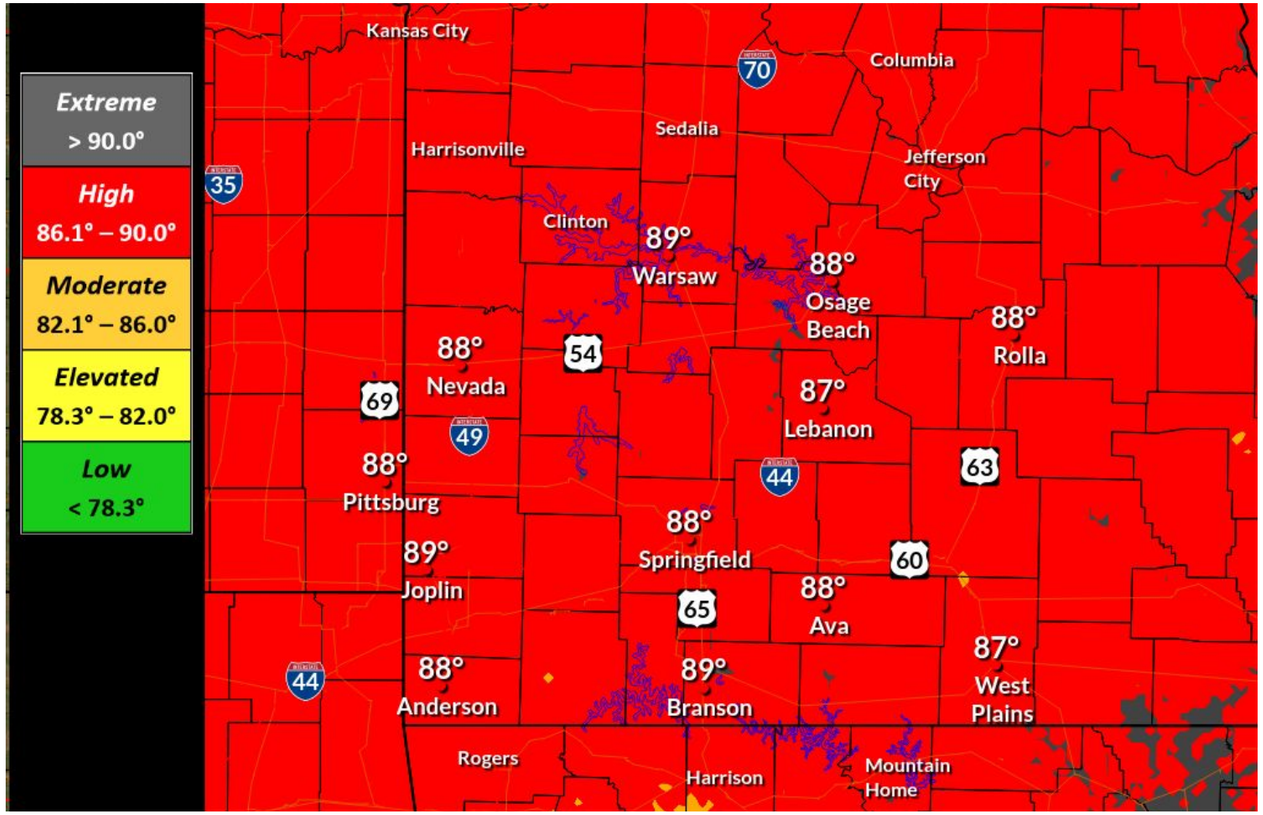
Wet Bulb Globe Temp Forecast

August 15, 2025
5:14 AM

Today and Saturday



Wet Bulb Globe Temperature Today



Wet Bulb Globe Temperature Saturday

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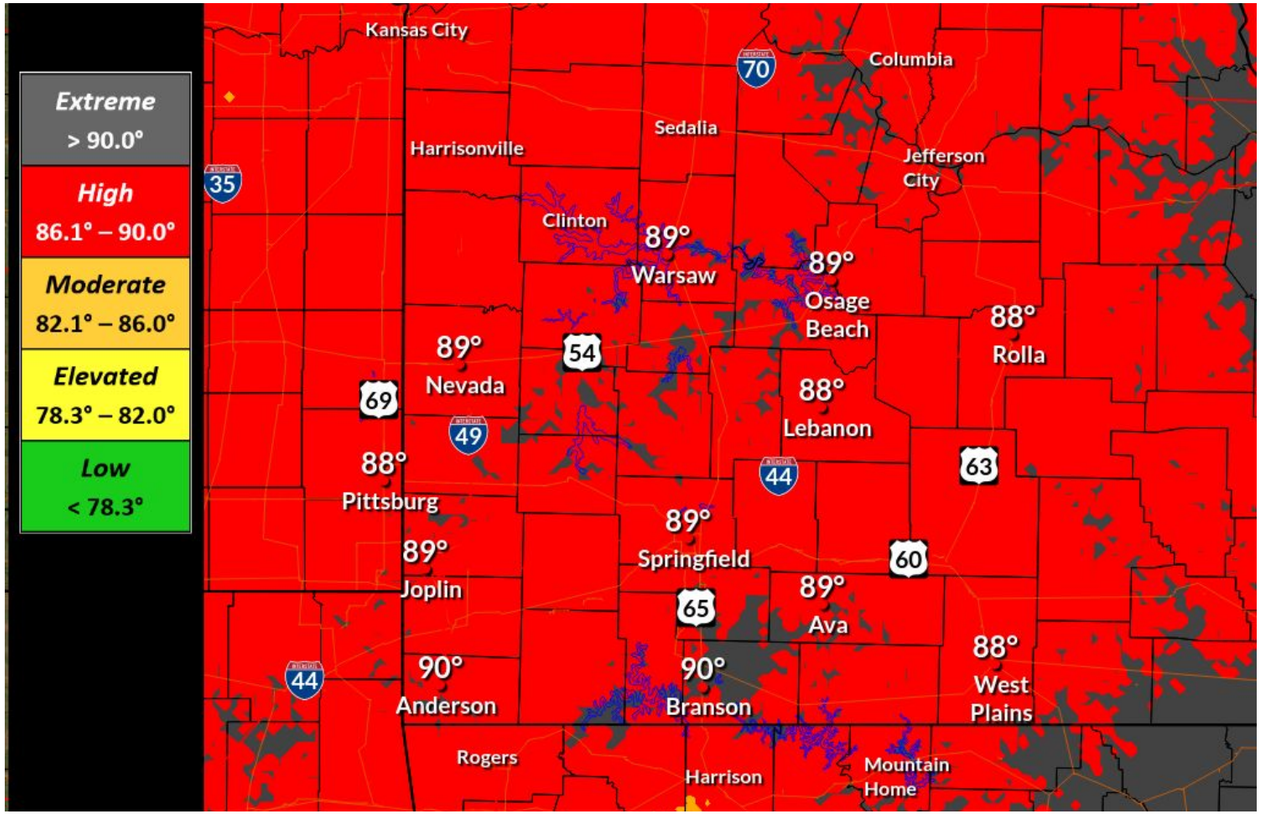
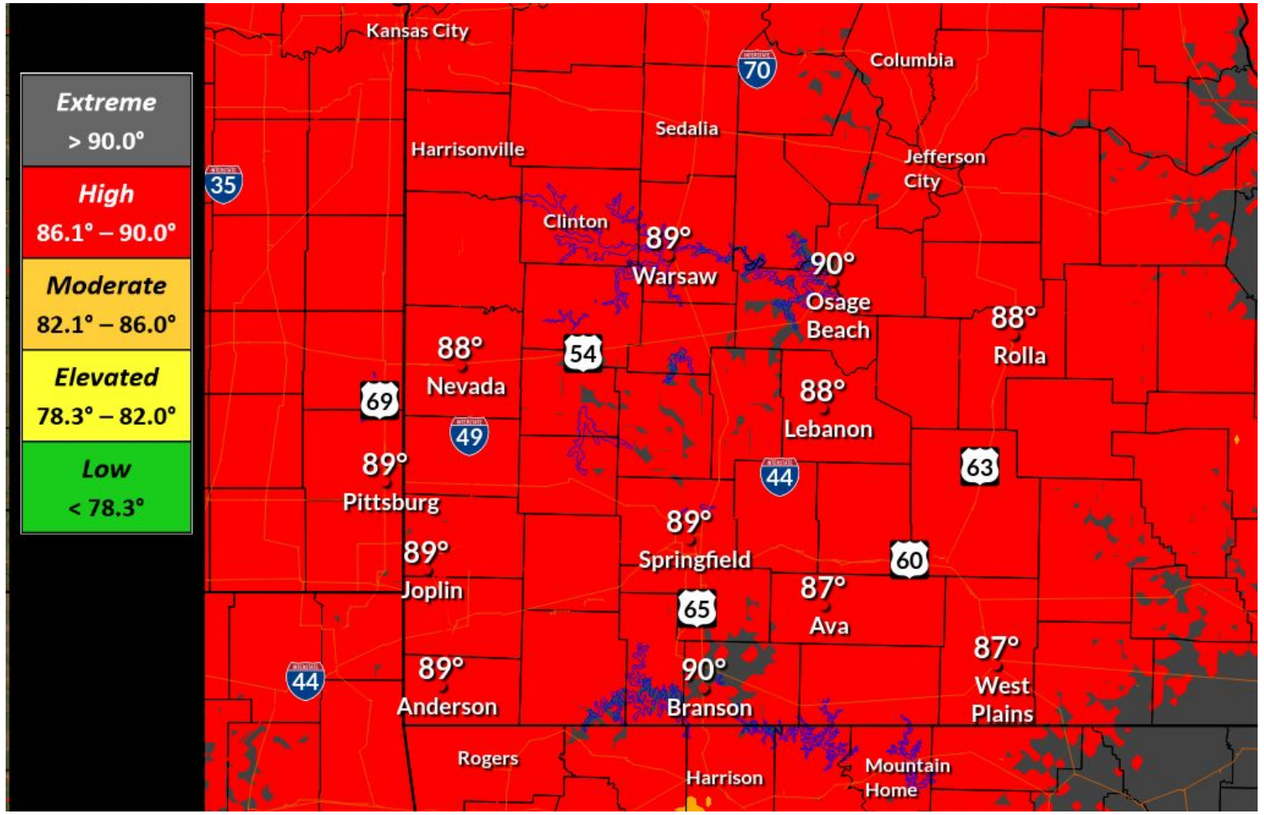
Wet Bulb Globe Temp Forecast

August 15, 2025
5:14 AM

Sunday and Monday



Wet Bulb Globe Temperature Sunday



Wet Bulb Globe Temperature Monday

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

National Weather Service
Springfield, MO

Understanding Wet Bulb Globe Temperatures

August 15, 2025
5:14 AM

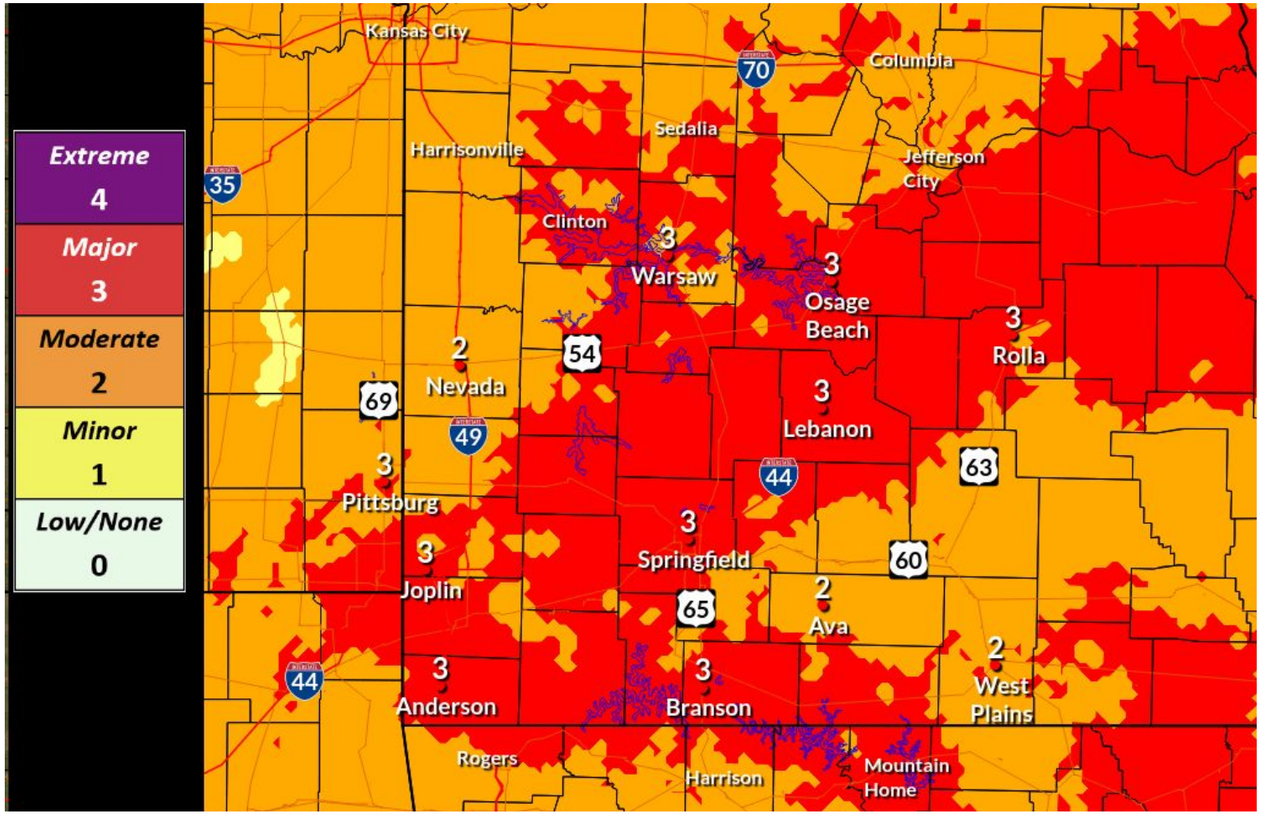
Wet Bulb Globe Temperature (WBGT)			
Threat Level	**WBGT (°F)**	**Effects**	**Call to Actions**
Low	< 78.3	Normal activities.	Take at least 3-5 minutes of breaks each hour if working or exercising in direct sunlight.
Elevated	78.3 – 82.0	Working or exercising in direct sunlight will stress your body 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 (WGBT) 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.

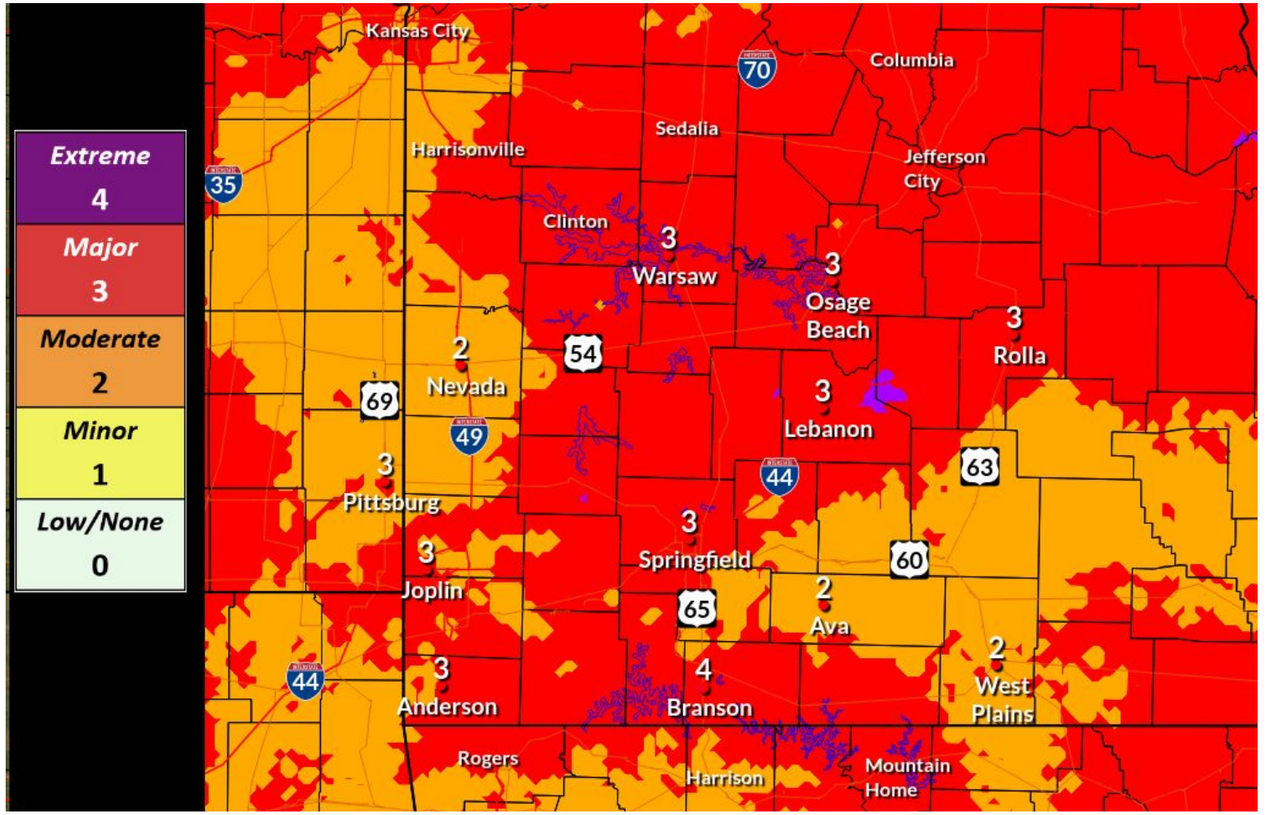
HeatRisk Forecast

Today and Saturday

August 15, 2025
5:14 AM



Heat Risk Today



Heat Risk Saturday

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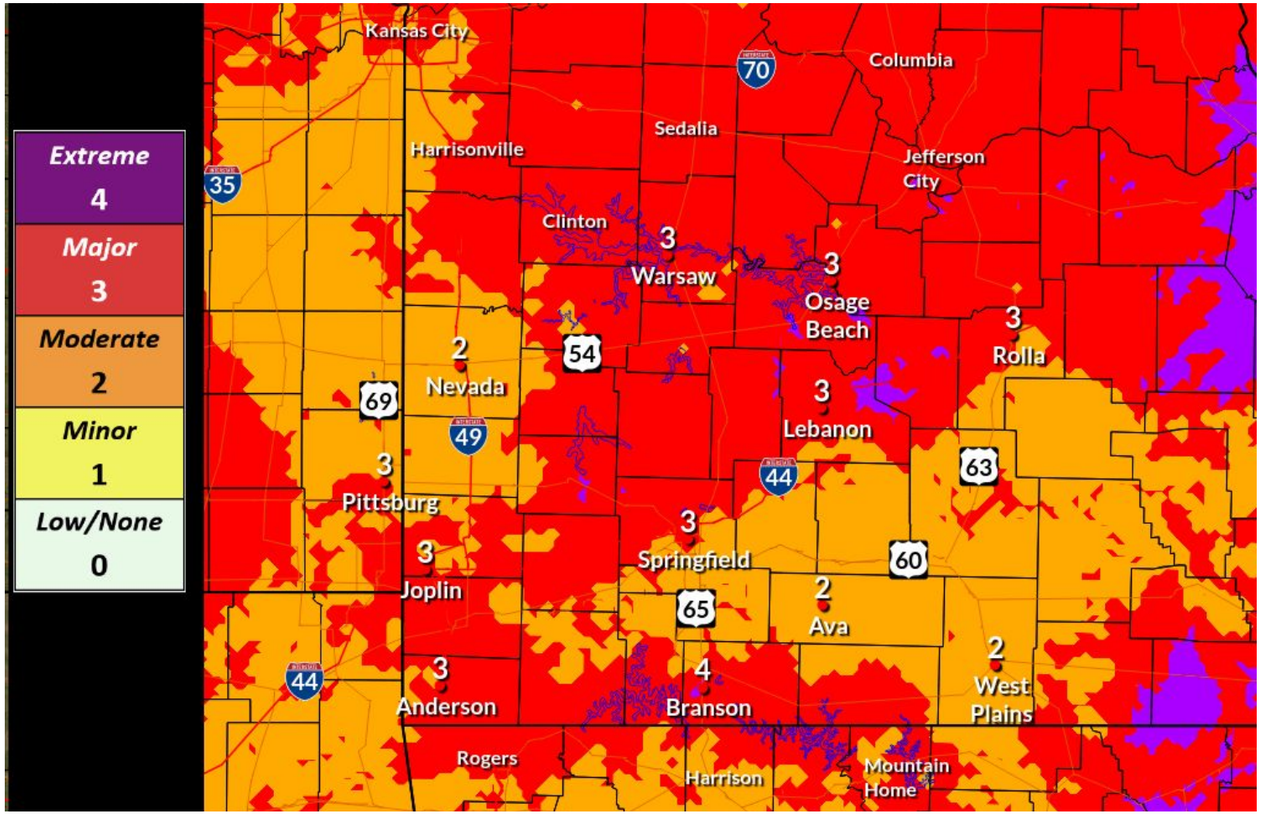
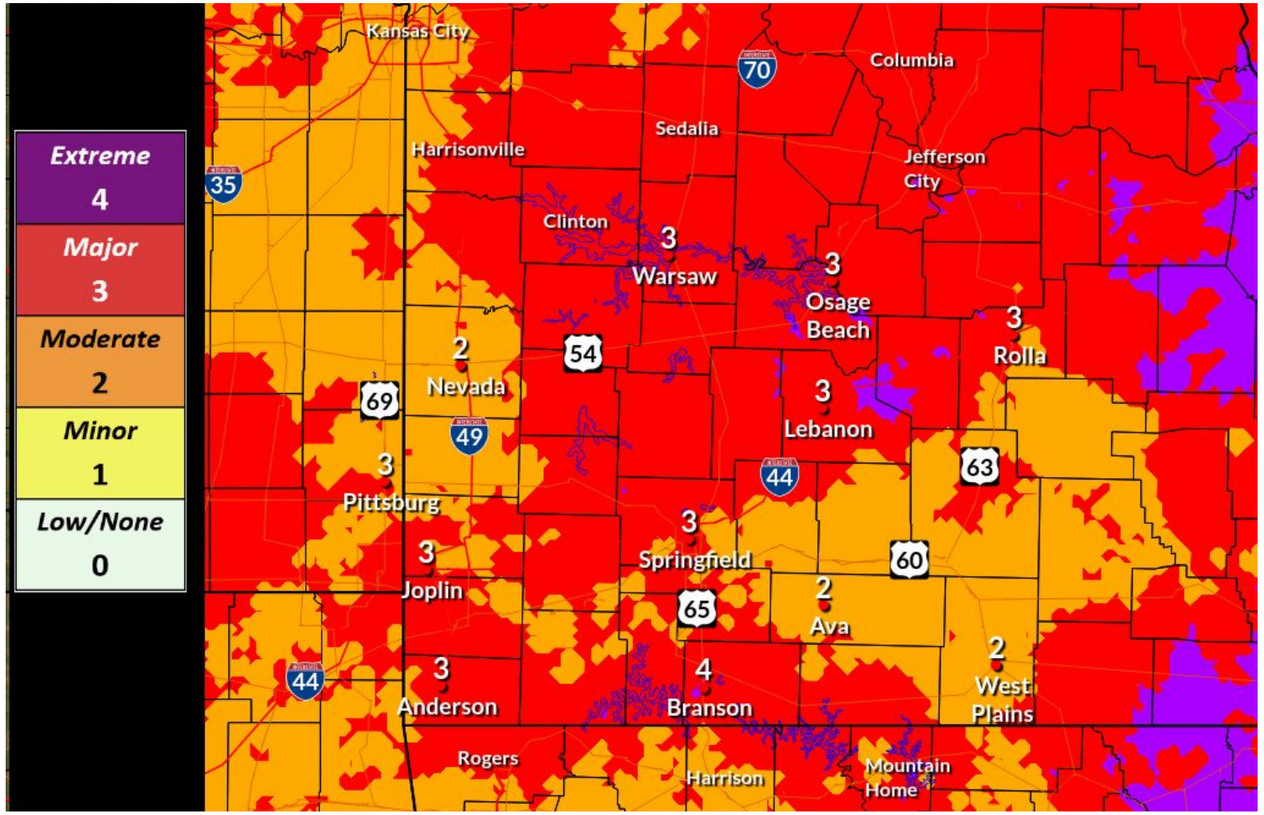
HeatRisk Forecast

August 15, 2025
5:14 AM

Sunday and Monday



Heat Risk Sunday



Heat Risk Monday

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

National Weather Service
Springfield, MO

Understanding NWS HeatRisk

August 15, 2025
5:14 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.

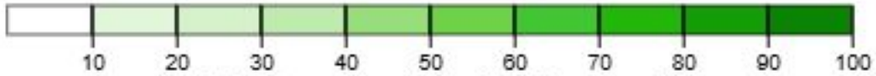
The NWS HeatRisk is an experimental color-numeric-based index that provides a forecast risk of heat-related impacts to occur over a 24-hour period. HeatRisk takes into consideration: How unusual the heat is for the time of the year. The duration of the heat including both daytime and nighttime temperatures.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

Rain Chances Through Monday

August 15, 2025
5:14 AM

Probability of Precipitation Forecast (%)

	8/15 Fri			8/16 Sat				8/17 Sun				8/18 Mon			
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Pittsburg, KS	0	0	0	0	0	0	5	0	0	5	10	5	5	10	10
Joplin	0	0	0	0	0	0	5	0	0	5	10	5	0	5	10
Bolivar	0	0	5	0	0	0	10	5	0	5	15	5	0	5	10
Warsaw	0	0	0	0	0	0	5	5	0	5	10	5	5	5	10
Springfield	0	0	5	0	5	0	20	10	0	5	15	10	5	5	15
Branson	0	0	10	0	5	5	20	5	5	10	20	10	0	5	15
Osage Beach	0	0	5	0	0	0	10	5	0	5	15	5	5	5	10
Mountain Grove	0	0	5	0	5	5	15	5	0	5	15	10	0	0	10
West Plains	0	5	5	0	0	5	15	5	0	5	10	5	0	0	10
Rolla	0	0	5	0	0	0	10	0	0	5	10	5	0	0	10



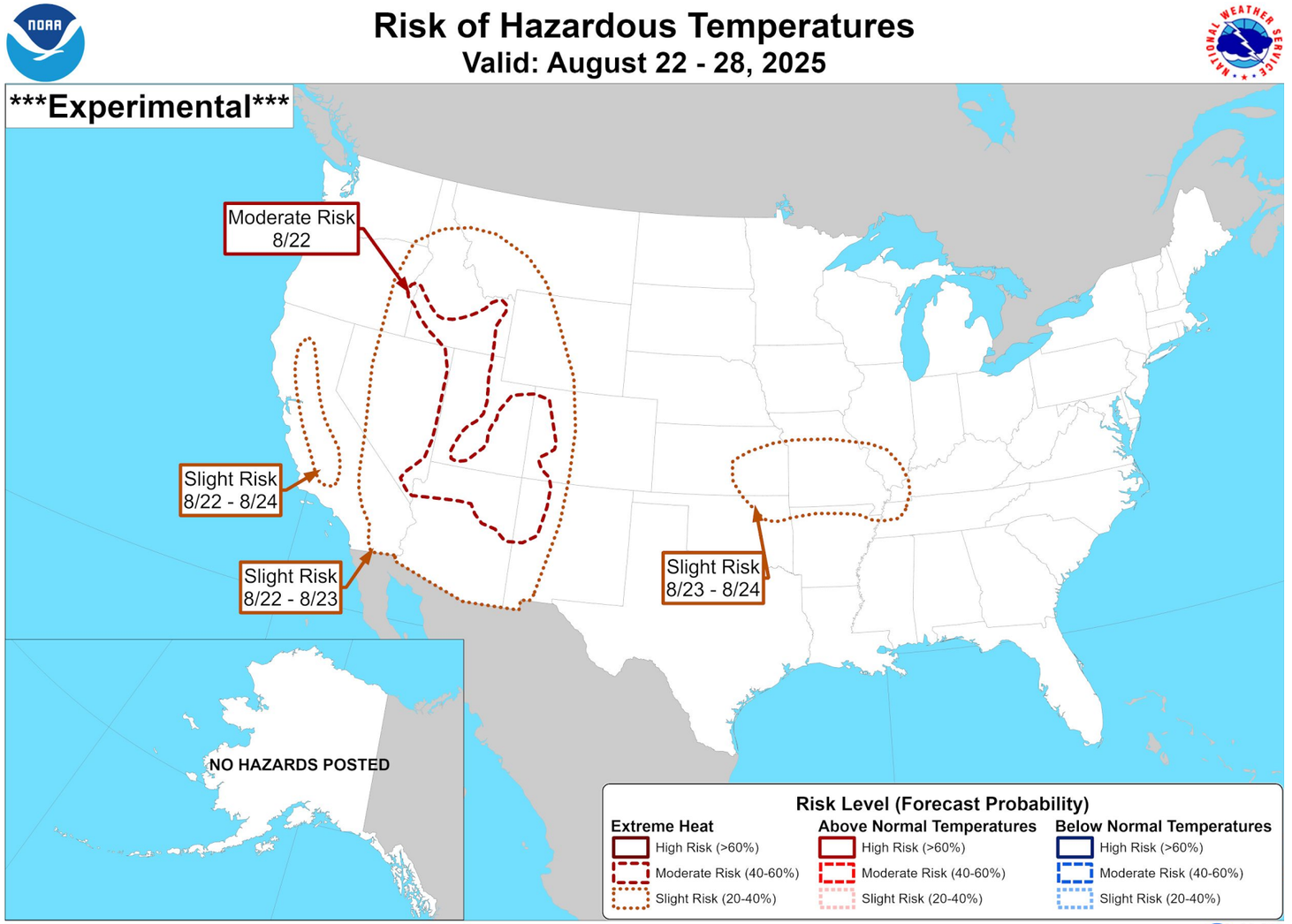
Probability of Precipitation Forecast (%)
Created: 5 am CDT Fri 8/15/2025 |
(Sorted geographically from West to East)

Above Normal Temp Potential

August 15, 2025
5:14 AM

Overview

- Additional chances for above normal temps returns August 23-24.
- The region is also highlighted for the potential to enter into rapid onset drought.



Climate Prediction Center

Released: August 14, 2025 3:00 PM EDT

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Additional Resources

August 15, 2025
5:14 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
- ➔ Missouri Cooling Centers Map
- ➔ NWS Heat Safety
- ➔ NWS Heat Tools Reference Sheet
- ➔ Wet Bulb Globe Temperature and Heat Index Information

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