



Dangerous Heat Continues Today

July 28, 2026
1:00 AM

Key Messages

- A **Extreme Heat Warning** is in effect through 7 PM this evening for locations along a Joplin to Springfield to Salem, MO line. A **Heat Advisory** is in effect through 7 PM this evening north of the line.
- Afternoon heat index values between 100 to 115 degrees.
- High temperatures in the middle 90s to around 100. Minimal overnight relief with temperatures in the upper 70s to near 80.

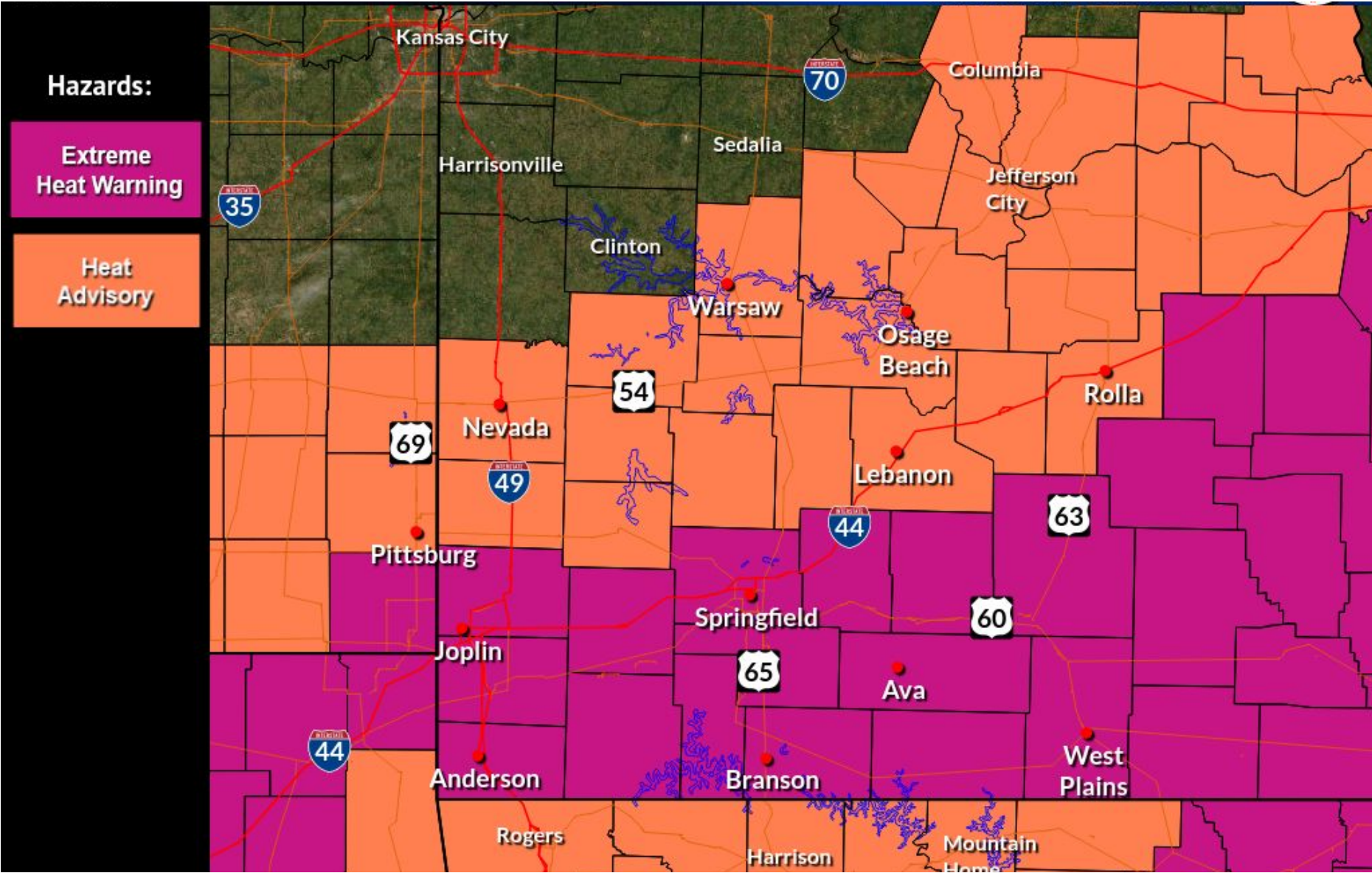
NEW

Important Updates

- Extended the Extreme Heat Warning across the south until 7 PM today.
- Updated Heat Index, Heat Risk, and WBGT graphics.

Next Scheduled Briefing

- As needed.



Heat Headlines

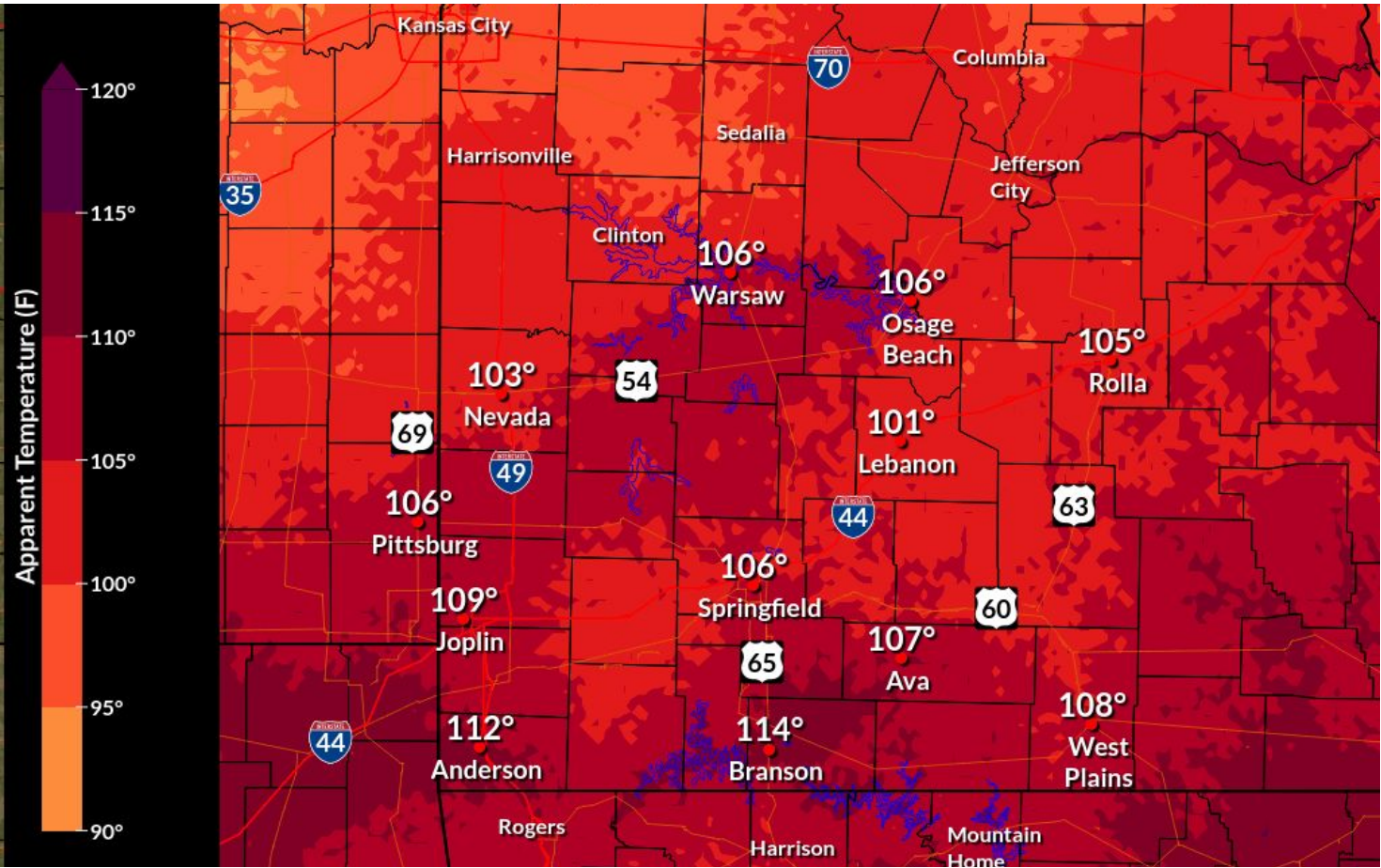




Maximum Heat Index

July 28, 2026
1:00 AM

Today



Maximum Heat Index Today





Understanding Heat Index

July 28, 2026
1:00 AM

Heat Index		
Classification	Heat Index (°F)	Effect on the Body
Cautious	80 to 89	Fatigue possible with prolonged exposure and/or physical activity.
Extreme Cautious	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.
<i>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.</i>		

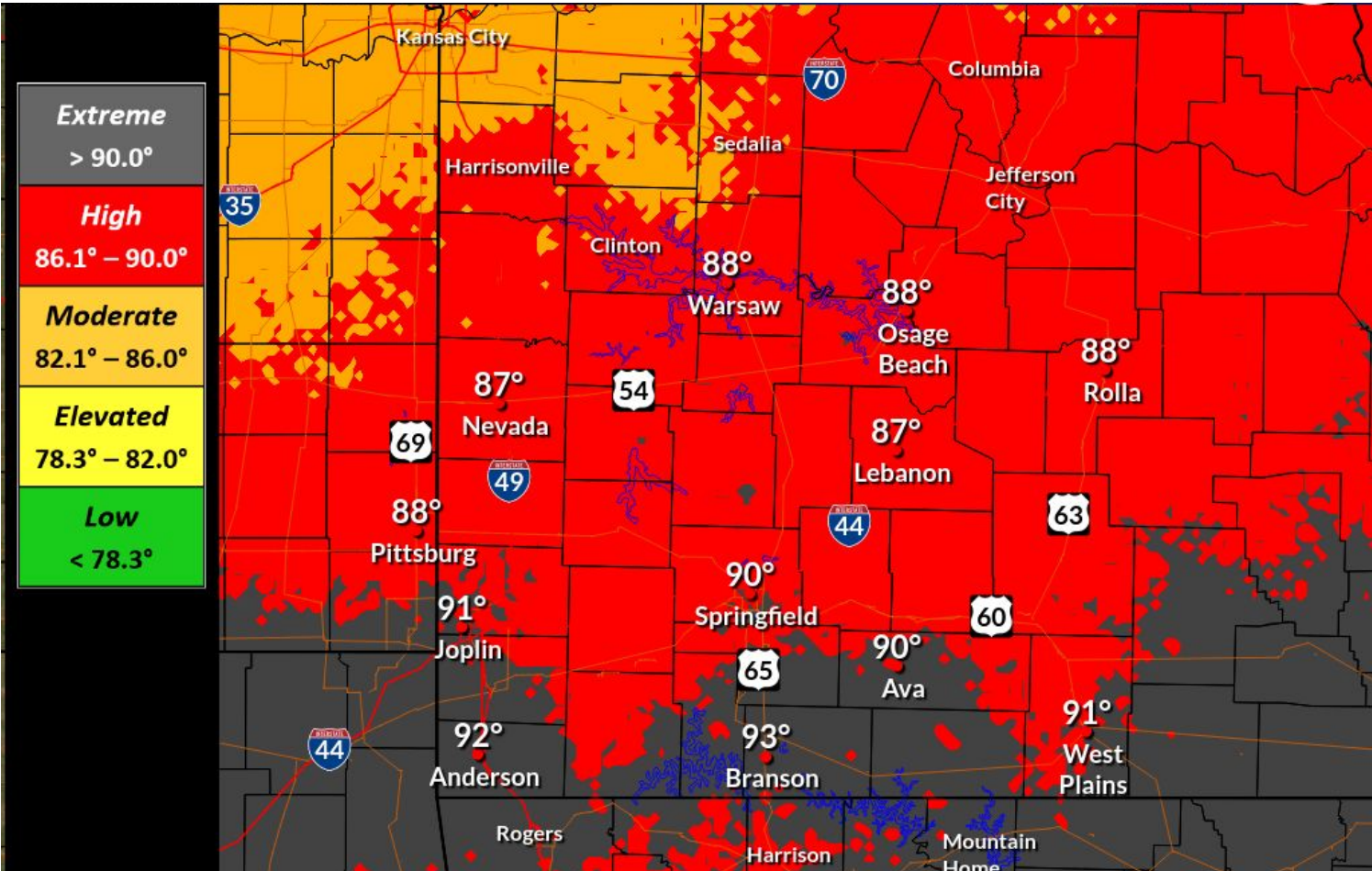




Maximum Wet Bulb Globe Temperature

July 28, 2026
1:00 AM

Today



Maximum WBGT Today





Understanding Wet Bulb Globe Temperatures

July 28, 2026
1:00 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.
<i>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.</i>			

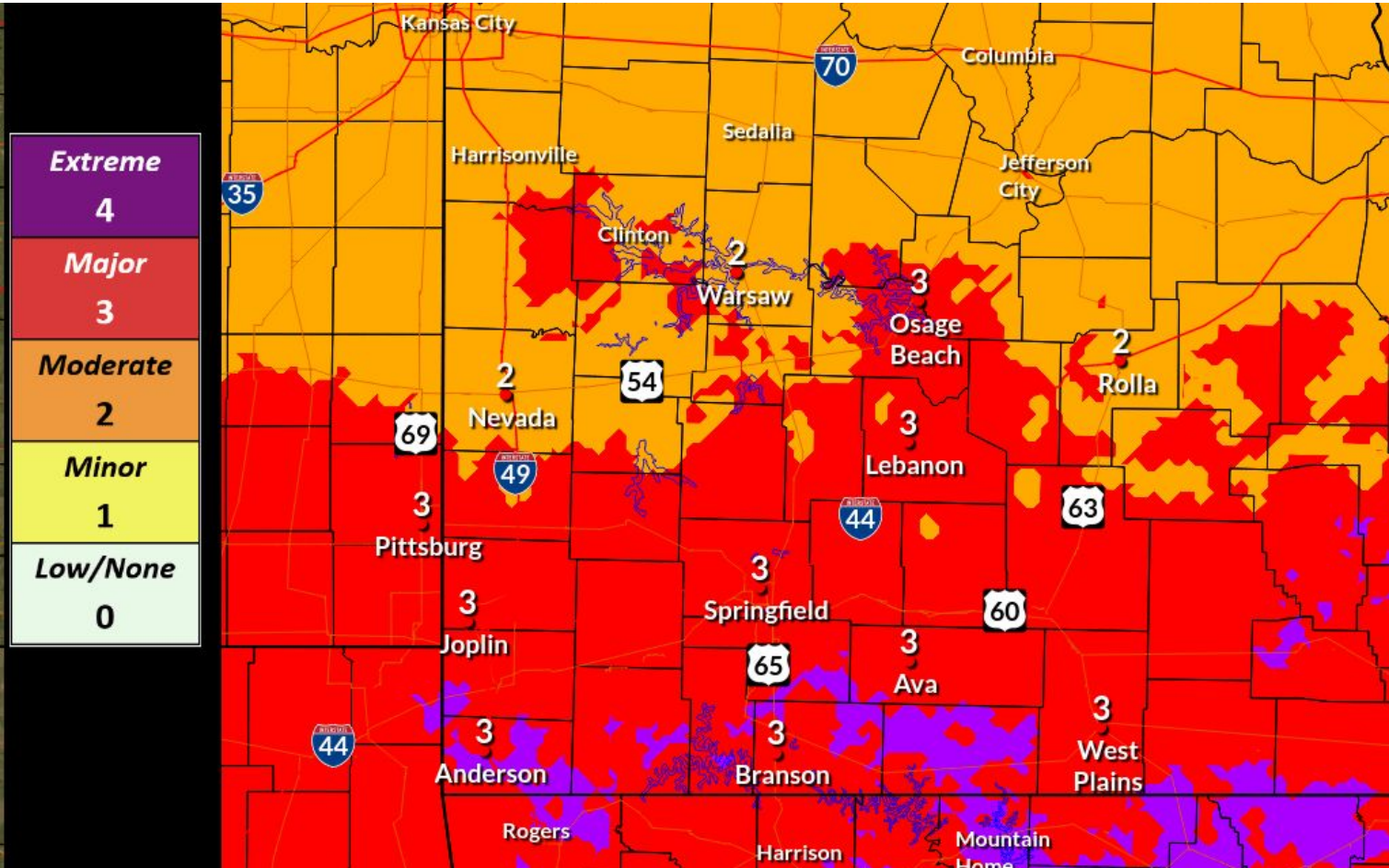




Maximum HeatRisk

July 28, 2026
1:00 AM

Today



Maximum Heat Risk Today





Understanding NWS HeatRisk

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.
<i>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.</i>		





Additional Details and Confidence

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Heat Index > 100

Low

Medium

High



Heat Index > 105

Low

Medium

High



Heat Index > 110

Low

Medium

High



Details

- Temperatures will warm into the 90s to near 100 degrees today with the highest readings across far southern Missouri.
- Heat index values of around 100 to 110 with some locations up to 115 degrees expected today.
- Warm overnight low temperatures will occur as lows only cool into the 70s to near 80 today through Tuesday night.
- An area of showers and storms will move out of Kansas and across the area today. The better coverage is expected to occur across the northern portions of the area, but showers and storms could impact the entire area into this evening at times. Temperatures will be cooler where the rain moves through, but if the rain clears early enough and the sun returns, temperatures could recover quickly with hot and humid conditions returning.





Heat Headline Criteria

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Heat Advisory

Use Caution

Hazardous heat will occur for at least 24 hours.

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Heat index $\geq 105^{\circ}\text{F}$

and/or

Heat index $100\text{--}104^{\circ}\text{F}$
for 4+ consecutive
days

Extreme Heat Watch

Be Prepared

Dangerous heat is possible in the next 24 hours.

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Issued 24-48 hours before:

Heat index $\geq 110^{\circ}\text{F}$

and/or

Heat index $\geq 105^{\circ}\text{F}$ for
4+ days

Extreme Heat Warning

Take Action!

Dangerous heat is occurring or expected to occur for 48+ hours.

.....

Heat index $\geq 110^{\circ}\text{F}$

and/or

Heat index $\geq 105^{\circ}\text{F}$
for 4+ consecutive days

with consideration of nighttime
temperatures around 75°F or
higher

due to accentuated impacts from elevated
nighttime temperatures





Additional Resources

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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](#)

Follow @NWSSpringfield



Heat Exhaustion

ACT FAST

- Move to a cooler area
- Loosen clothing
- Sip cool water
- Seek medical help if symptoms don't improve

Dizziness

Thirst

Heavy Sweating

Nausea

Weakness

Heat Stroke

ACT FAST

CALL 911

- Move person to a cooler area
- Loosen clothing and remove extra layers
- Cool with water or ice

Confusion

Dizziness

Becomes Unconscious



Heat exhaustion can lead to heat stroke.

Heat stroke can cause death or permanent disability if emergency treatment is not given.



Stay Cool, Stay Hydrated, Stay Informed!



Heat Impacts: Vulnerable Populations



PREGNANT



NEWBORNS



CHILDREN



ELDERLY



CHRONIC ILLNESS

Everyone is at risk from the dangers of extreme heat, but these groups are more vulnerable than most. Age and certain conditions make the body less able to regulate temperature.



NEVER leave anyone alone in a closed car



Use air conditioners and stay in the shade



Drink plenty of water, even if not thirsty



Wear loose-fitting, light-colored clothing

weather.gov



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

National Weather Service
Springfield, MO