



# HAZARD REPORT

## SEVERE WEATHER

SPRINGFIELD-GREENE COUNTY OFFICE OF EMERGENCY MANAGEMENT

### Emergency Operations Center Partner Agencies

8/26/2024 | 0900 hrs      Hazard Event #: 24-038

### Watches / Warnings / Advisories:

None for Greene County at this time.

HAZARD	Aug-26	Aug-27
Excessive Heat	Limited	Limited

### DISCUSSION

A Heat Advisory is in effect for the western and northern portions of the area from 12 to 9 PM today. Daily Heat Index values of 100 to 105 will continue to occur across portions of the area into the middle of the week. A front will bring shower and thunderstorm chances to the region late this week into the weekend along with cooler conditions.

The Wet Bulb Globe Temperature (WBGT) quantifies heat stress in direct sunlight by integrating factors such as temperature, humidity, wind speed, sun angle, and cloud cover. Given that the WBGT is currently in the "high" range, the National Weather Service indicates that exposure to these conditions may result in bodily stress after 20 minutes of outdoor activity.

### CITIZEN ACTION STATEMENT

- Drink plenty of fluids, stay in an air-conditioned room, stay out of the sun, and check up on relatives and neighbors.
- Young children and pets should never be left unattended in vehicles under any circumstances.
- Take extra precautions if you work or spend time outside. When possible, reschedule strenuous activities to early morning or evening.
- To reduce risk during outdoor work, the Occupational Safety and Health Administration recommends scheduling frequent rest breaks in shaded or air-conditioned environments.
- Know the signs and symptoms of heat exhaustion and heat stroke. Wear lightweight and loose-fitting clothing when possible. Anyone overcome by heat should be moved to a cool and shaded location. Heat stroke is an emergency! Call 911.

### EMERGENCY MANAGEMENT ISSUES

Springfield-Greene County EOC: **OpCon Level 4: Monitoring**

\*\*\* OEM will continue to monitor this developing weather situation. \*\*\*

### ONLINE



OEM Facebook



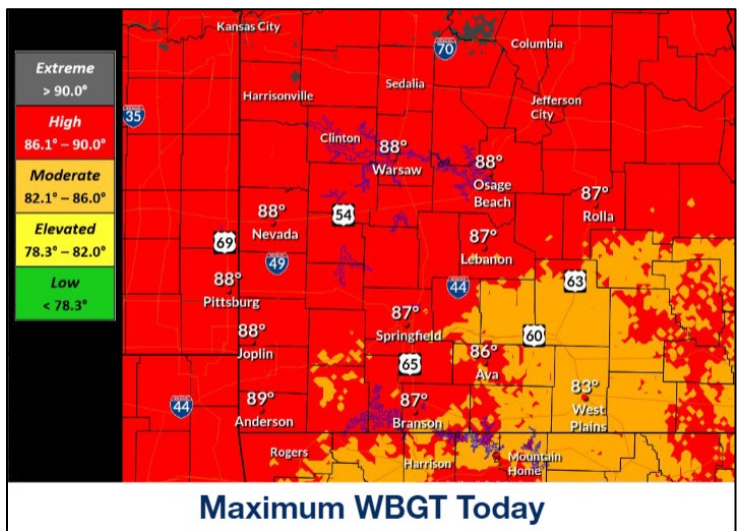
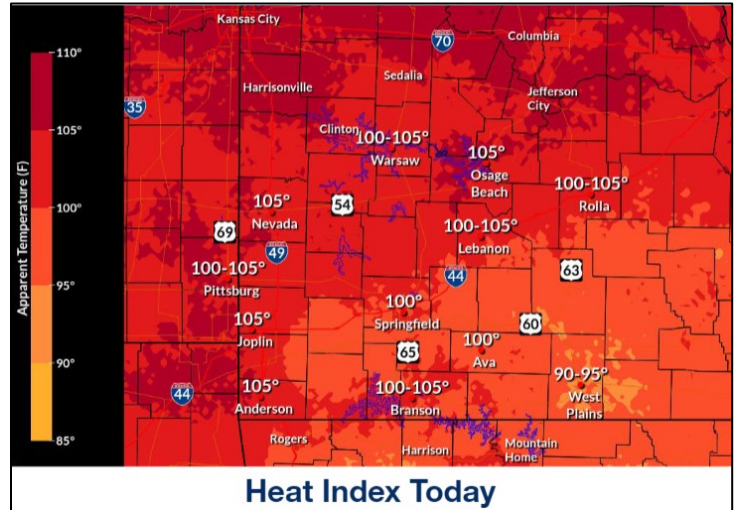
OEM Twitter



MoDOT Traveler Info Map



OzarksTraffic



### HOW DOES WBGT differ from HEAT INDEX

#### WET BULB GLOBE TEMPERATURE

The Wet Bulb Globe Temperature (WBGT) is a parameter that estimates the effect of temperature, relative humidity, wind, and solar radiation on humans.

#### HEAT INDEX

The traditional measure of what the temperature feels like to the human body when relative humidity is combined with the air temperature, also known as apparent temperature.

	WBGT	HEAT INDEX
Measured in the sun	●	●
Measured in the shade	●	●
Uses temperature	●	●
Uses relative humidity	●	●
Uses wind	●	●
Uses cloud cover	●	●
Uses sun angle	●	●