



Extreme Heat Continues into the Weekend

September 17, 2026
2:00 PM

Heat Advisory through Saturday



Key Messages

- **Heat Advisory** through 8 pm Saturday.
- Highs in the middle 90s to around 100 degrees will challenge climate records.
- Maximum heat index values around 100 to 105°.
- Lows in the middle to upper 70s will provide minimal heat relief.



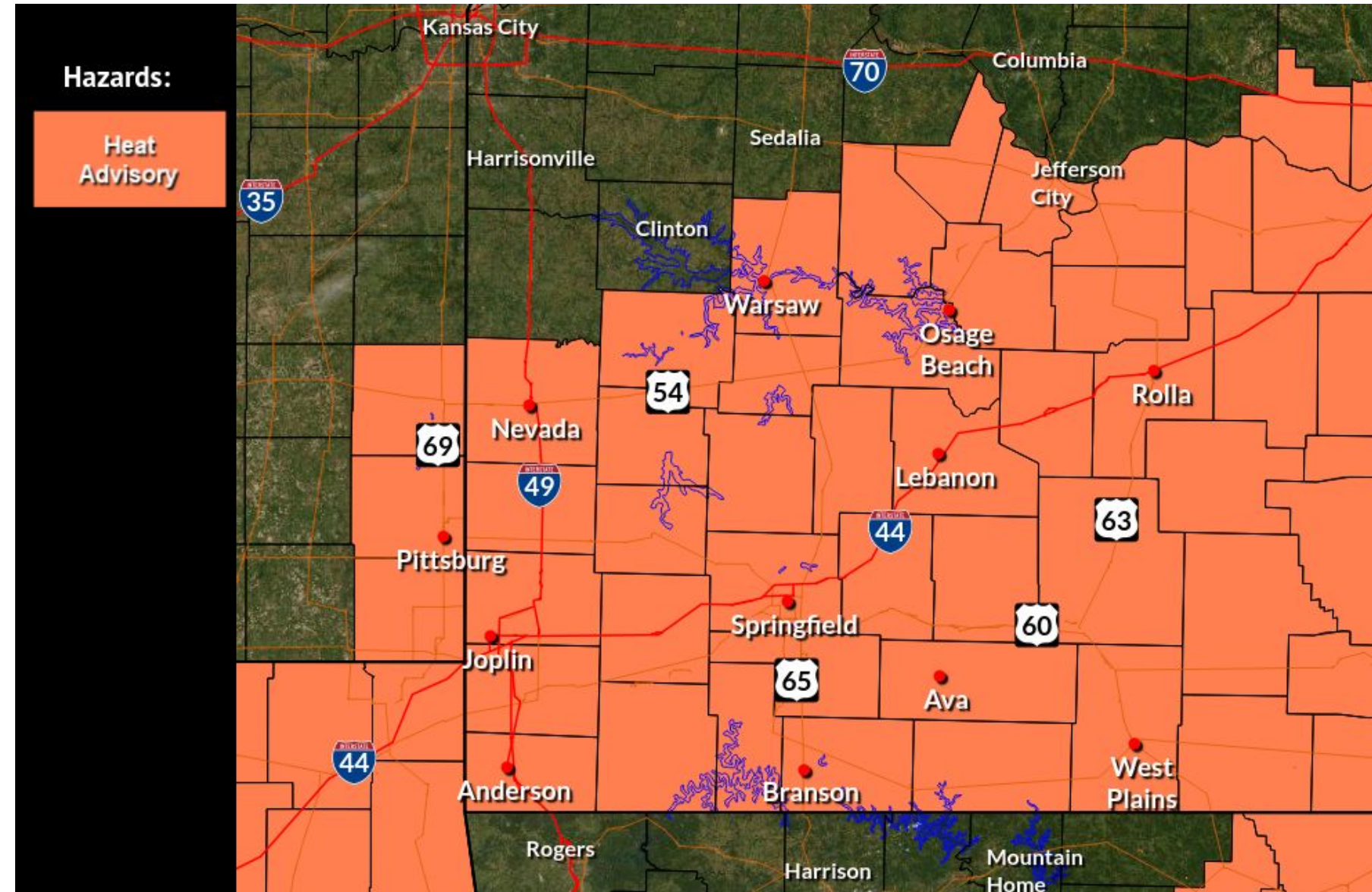
Important Updates

- Updated daily heat graphics



Next Scheduled Briefing

- Friday afternoon or as needed



Heat Advisory through Saturday



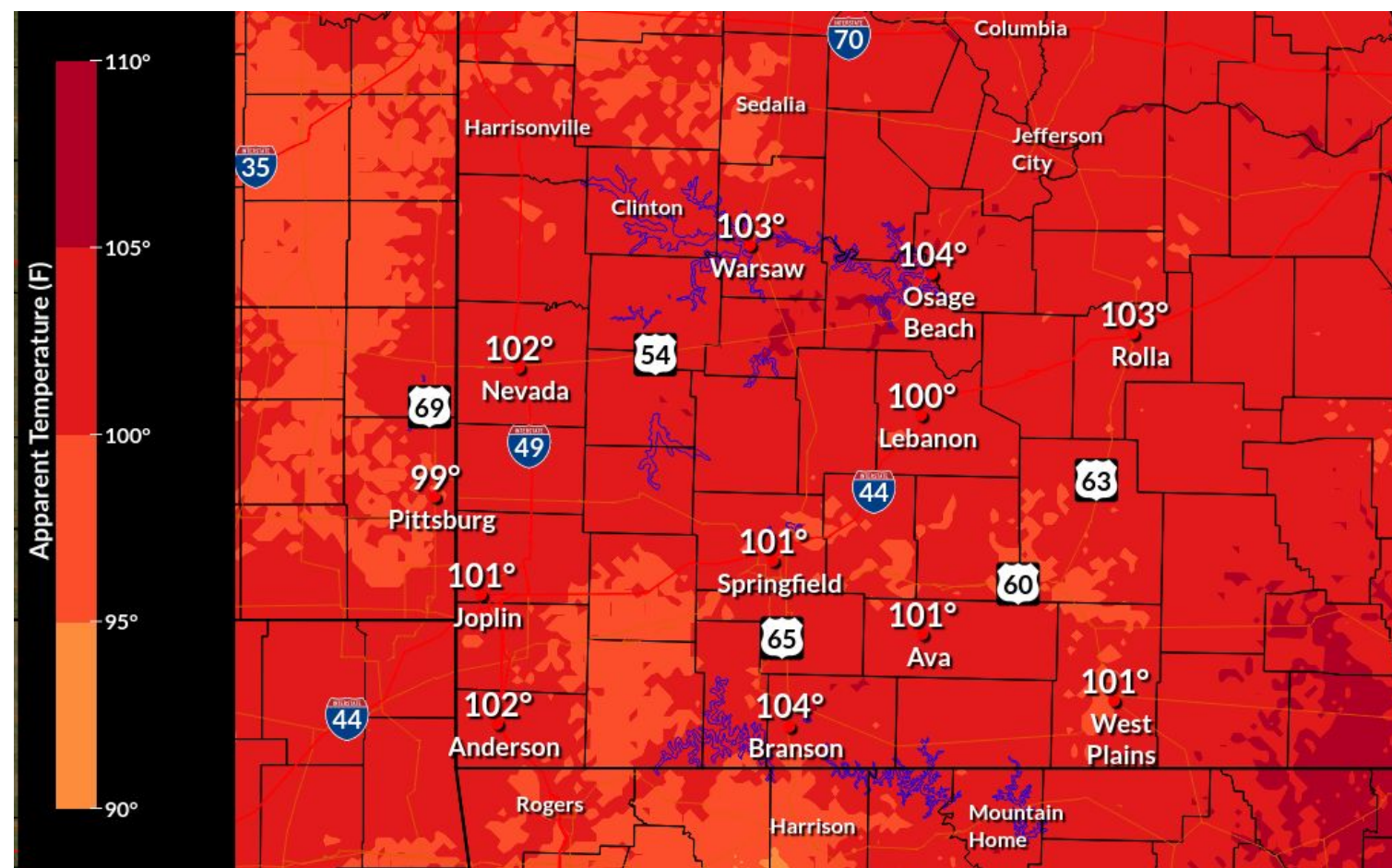
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Springfield, MO

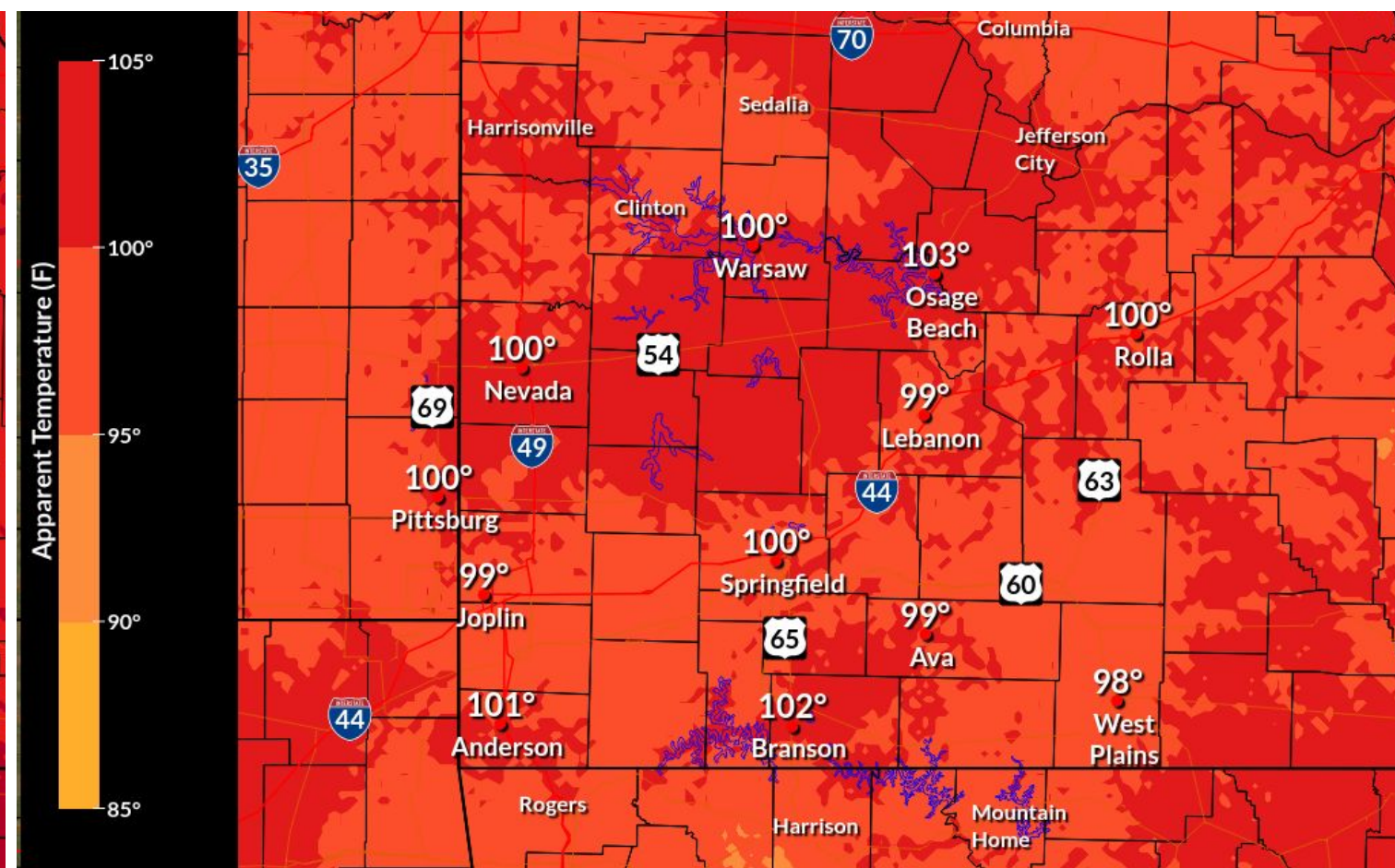


Maximum Heat Index

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Heat Index Friday



Heat Index Saturday





Understanding Heat Index

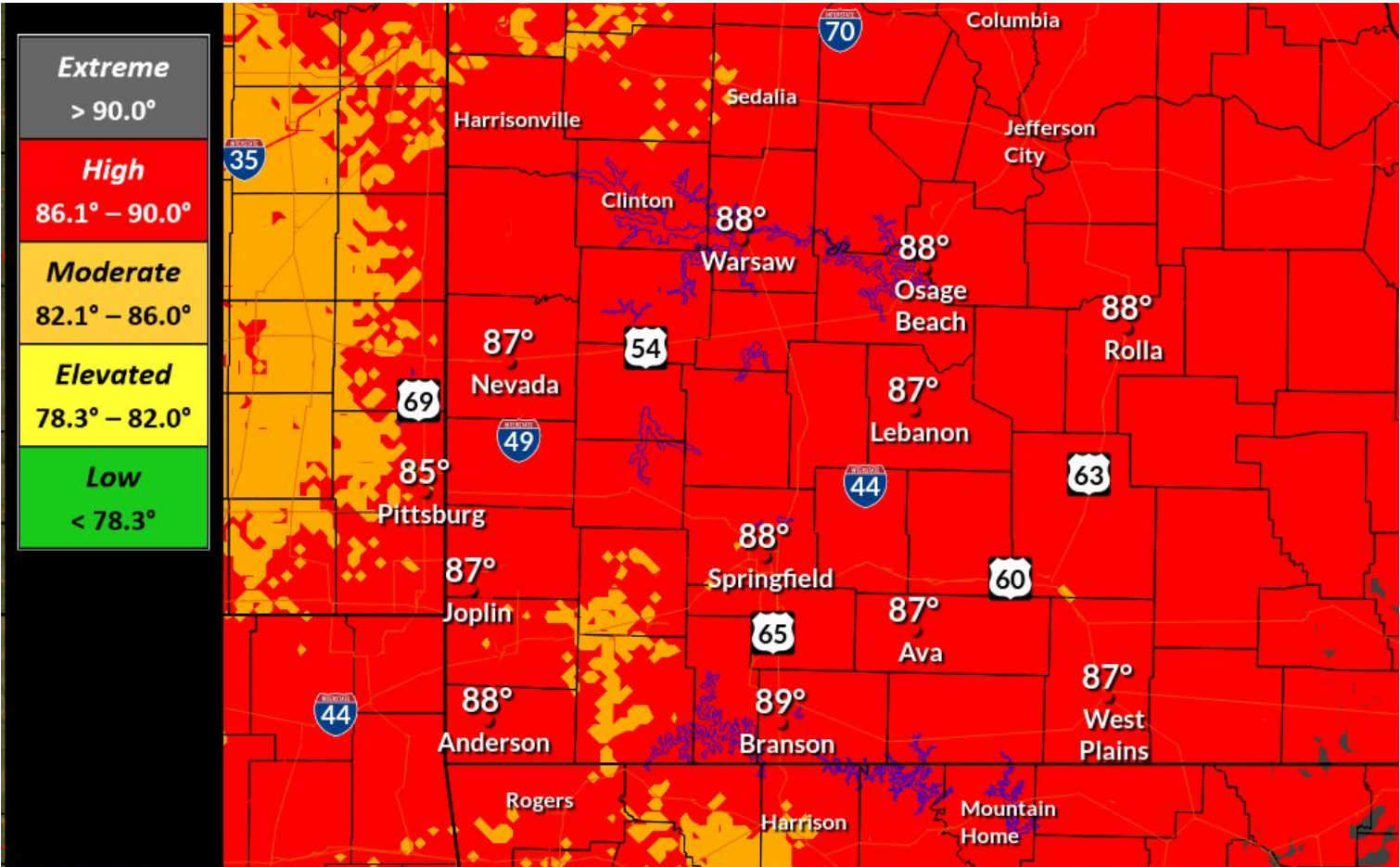
Heat Index		
Classification	Heat Index (°F)	Effect on the Body
Cautious	80 to 89	Fatigue possible with prolonged exposure and/or physical activity.
Extreme Cautious	90 to 102	Heat stroke, heat cramps or heat exhaustion possible with prolonged exposure and/or physical activity.
Danger	103 to 124	Heat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



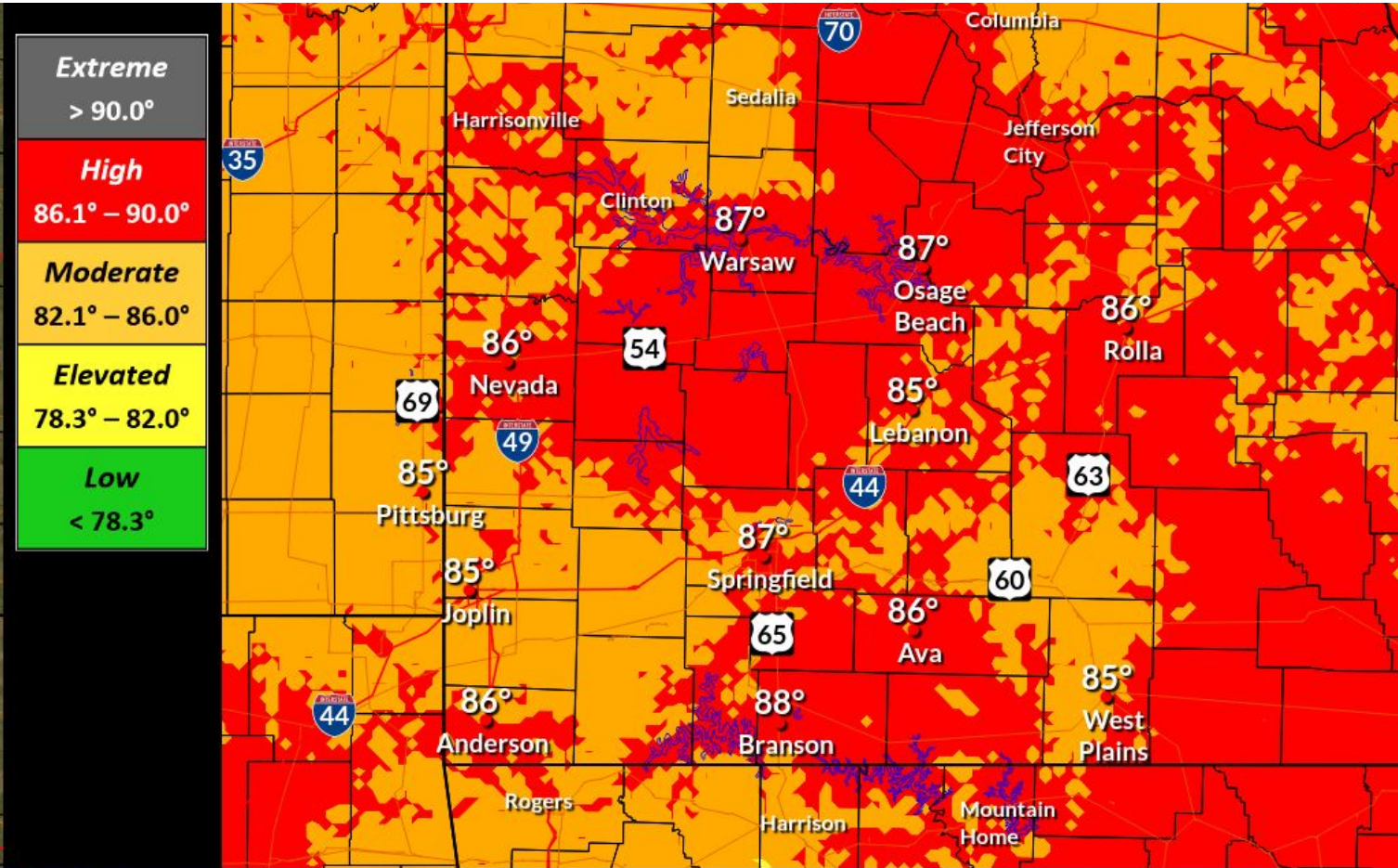


Maximum Wet Bulb Globe Temperatures

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Wet Bulb Globe Temperature Friday



Wet Bulb Globe Temperature Saturday





Understanding Wet Bulb Globe Temperature

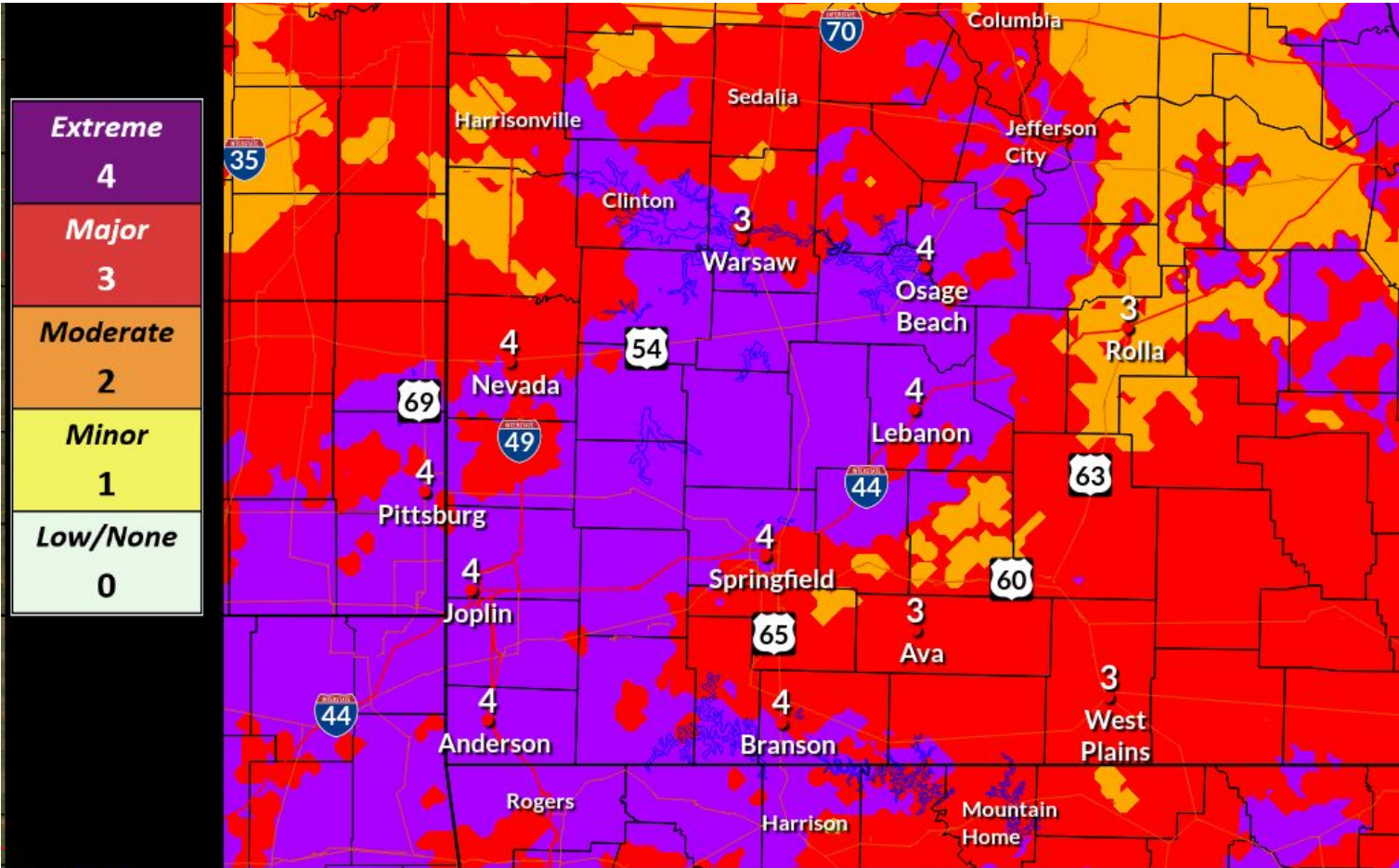
Wet Bulb Globe Temperature (WBGT)			
Threat Level	WBGT (°F)	Effects	Call to Actions
Low	< 78.3	Normal activities.	Take at least 3-5 minutes of breaks each hour if working or exercising in direct sunlight.
Elevated	78.3 – 82.0	Working or exercising in direct sunlight will stress your body after 45 minutes.	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.
<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>			



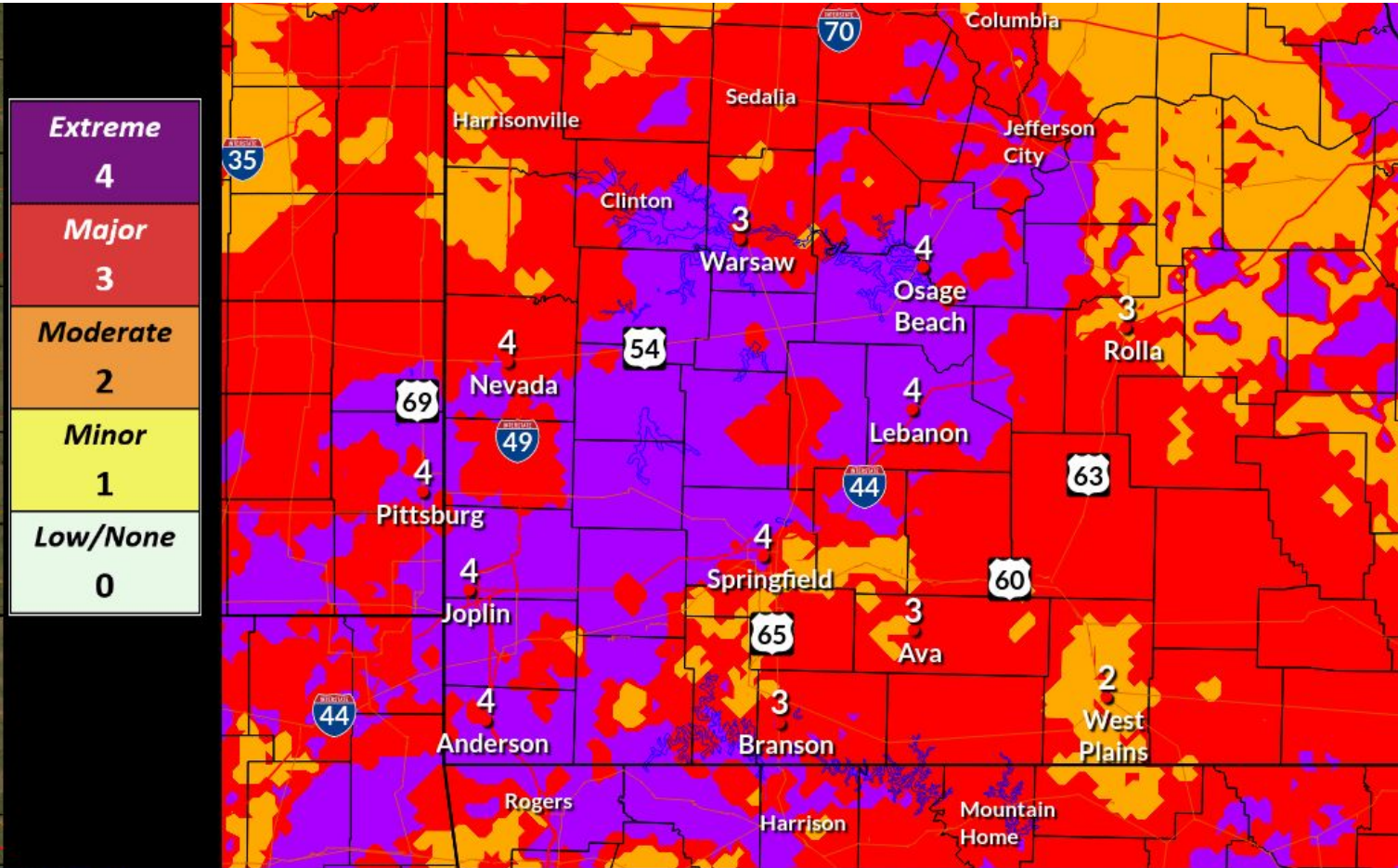


NWS HeatRisk

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NWS HeatRisk Friday



NWS HeatRisk Saturday





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>		





Daily Maximum Heat Tools By City

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Maximum HeatRisk Forecast

	9/17 Thu	9/18 Fri	9/19 Sat
Bolivar	4	4	3
Branson	4	4	3
Fort Leonard Wood	3	3	3
Joplin	4	4	4
Lebanon	4	4	4
Monett	4	4	4
Mountain Grove	3	3	3
Nevada	3	4	4
Osage Beach	4	4	4
Pittsburg, KS	4	4	3
Rolla	2	2	2
Springfield	4	4	4
Warsaw	3	3	3
West Plains	3	3	2



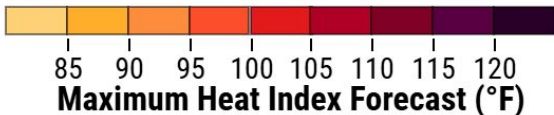
Maximum Wetbulb Globe Temperature (°F) Forecast

	9/17 Thu	9/18 Fri	9/19 Sat
Bolivar	89	87	87
Branson	89	89	88
Fort Leonard Wood	87	87	86
Joplin	88	87	85
Lebanon	87	87	85
Monett	87	85	84
Mountain Grove	86	86	85
Nevada	88	87	86
Osage Beach	90	89	88
Pittsburg, KS	88	85	85
Rolla	88	87	86
Springfield	88	87	86
Warsaw	90	88	88
West Plains	87	87	85



Maximum Heat Index (°F) Forecast

	9/17 Thu	9/18 Fri	9/19 Sat
Bolivar	104	103	101
Branson	105	104	102
Fort Leonard Wood	101	102	100
Joplin	104	101	99
Lebanon	101	100	99
Monett	101	98	97
Mountain Grove	100	99	97
Nevada	104	102	100
Osage Beach	106	105	103
Pittsburg, KS	103	99	100
Rolla	102	101	99
Springfield	104	101	100
Warsaw	106	104	102
West Plains	101	101	98





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](#)

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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
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National Weather Service
Springfield, MO