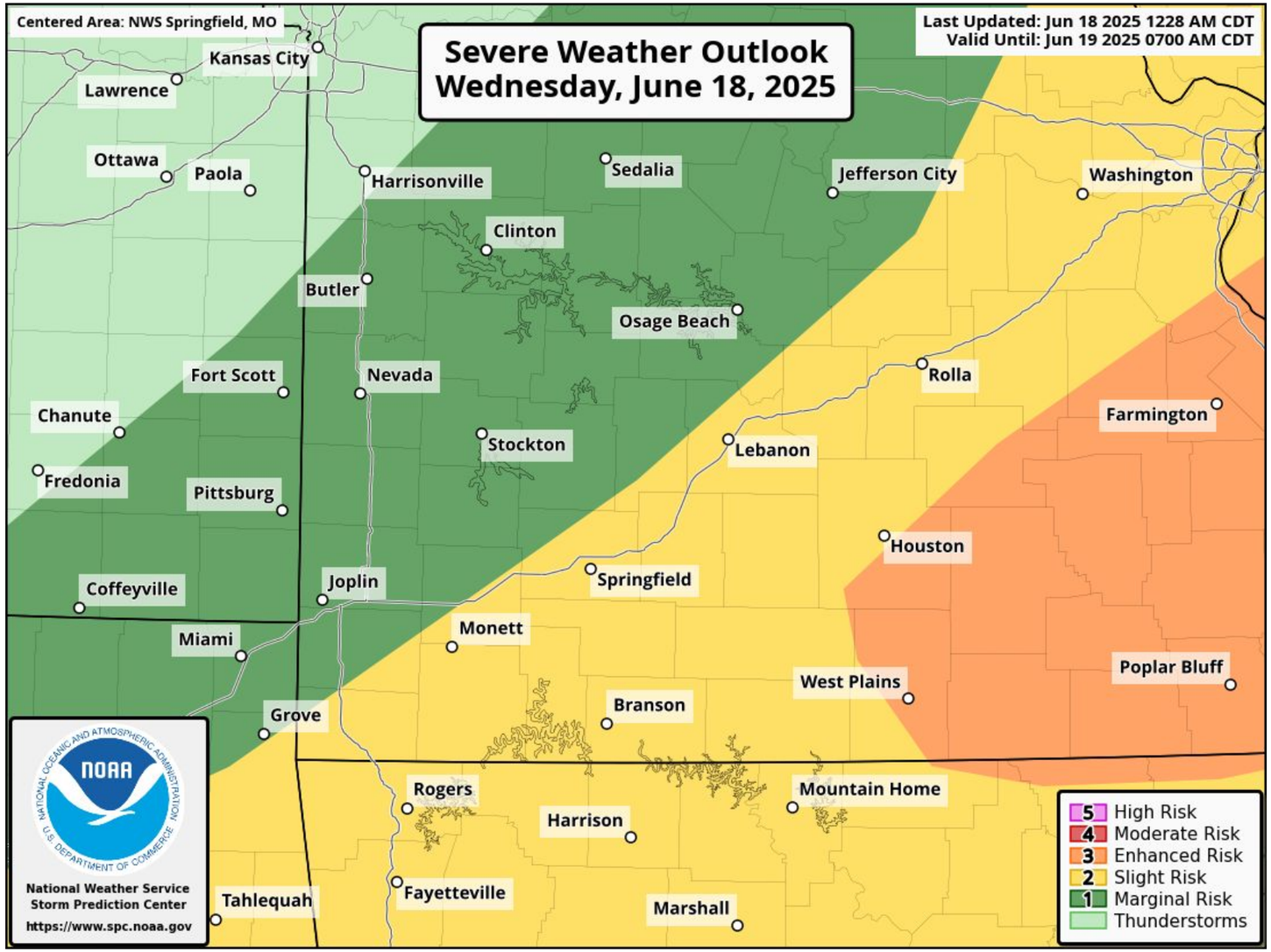
Severe Weather This Afternoon/Evening

June 18, 2025
4:46 AM

Key Messages

- A second round of severe risk exists this afternoon/evening, with a widespread Slight (level 2 of 5) risk across the Ozarks and Enhanced risk (level 3 of 5) over the eastern Ozarks.
- Localized flooding potential where heavy rainfall occurs.
- Heating up this weekend, with very muggy conditions causing apparent temperatures to approach Heat Advisory conditions.



NEW

Important Updates

- SPC outlook for today shifted southeast some

Next Scheduled Briefing

- By 5pm today, if needed

Severe Outlook This Afternoon/Evening

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Highest severe risk furthest east

Timing

This afternoon and evening

Threats

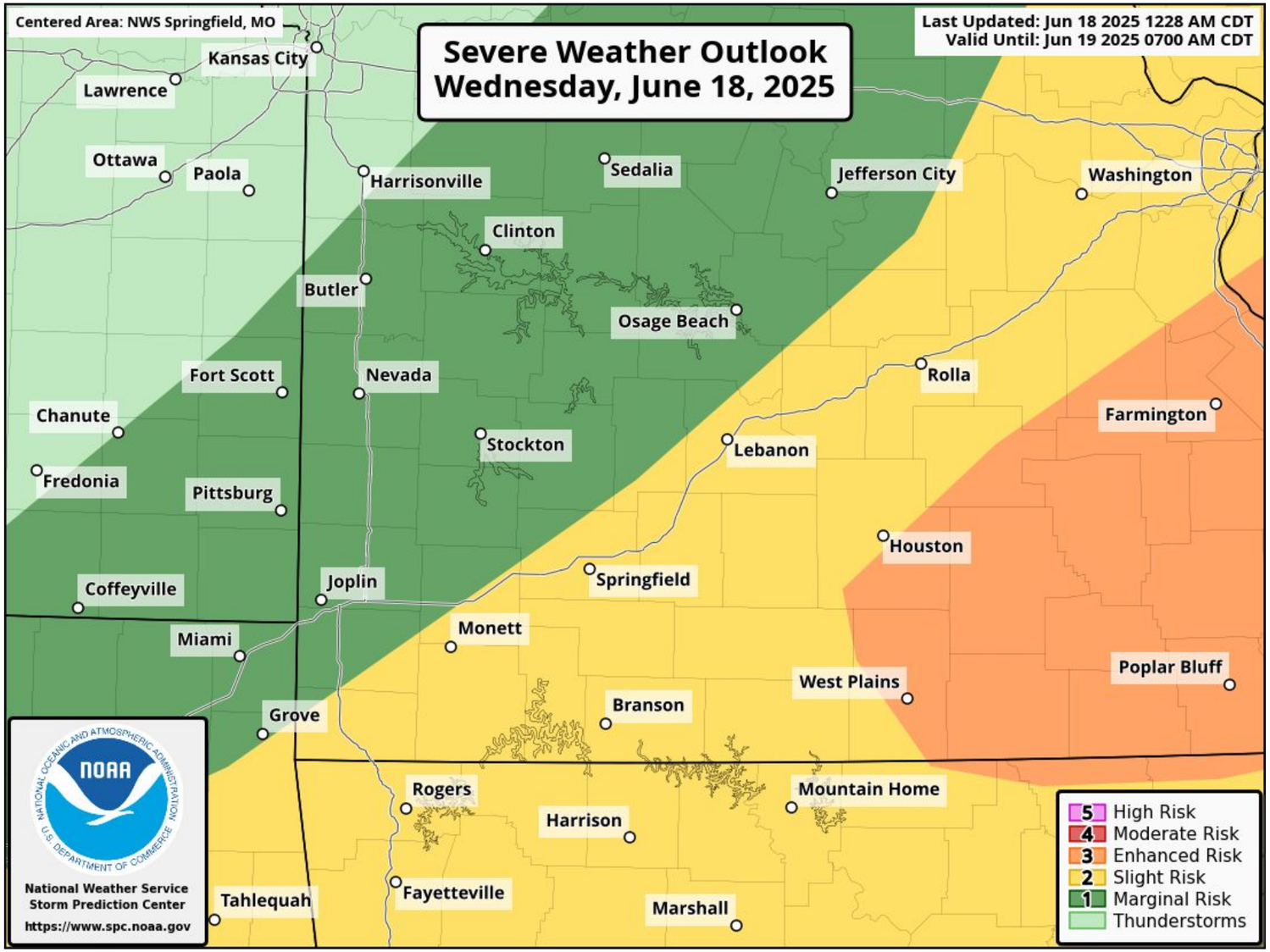
Damaging Wind
Up to 60-70 mph

Large Hail
Up to Half Dollar size

Few Tornadoes
Very conditional threat for short, weak spin-ups

Frequent Lightning
Cloud-to-ground strikes

Heavy Rainfall
Downpours could lead to localized flooding



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Hazard Probabilities This Afternoon and Evening

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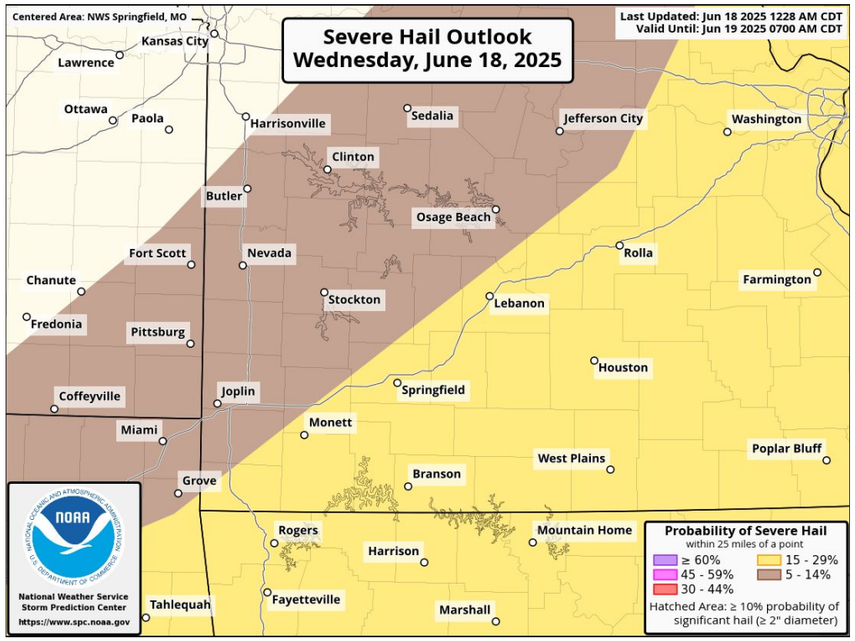
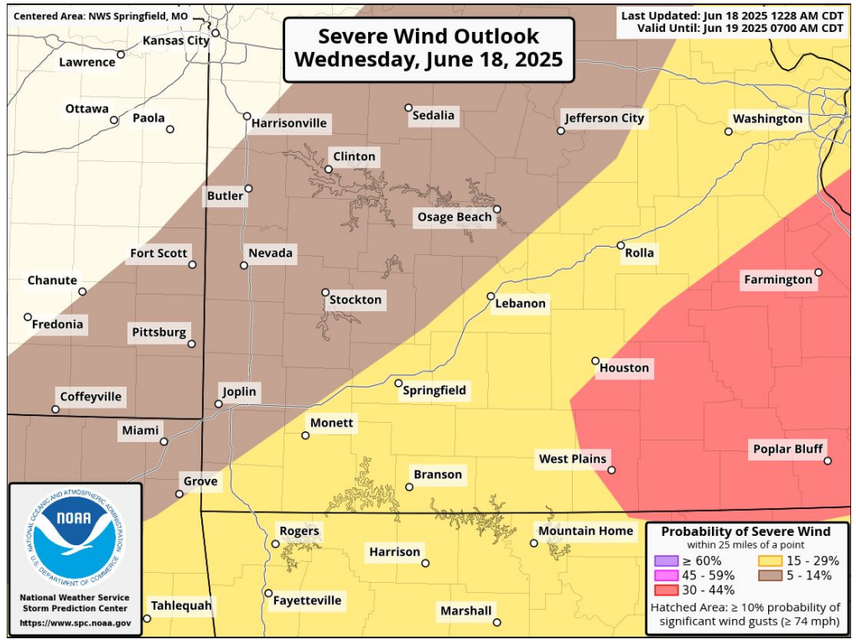
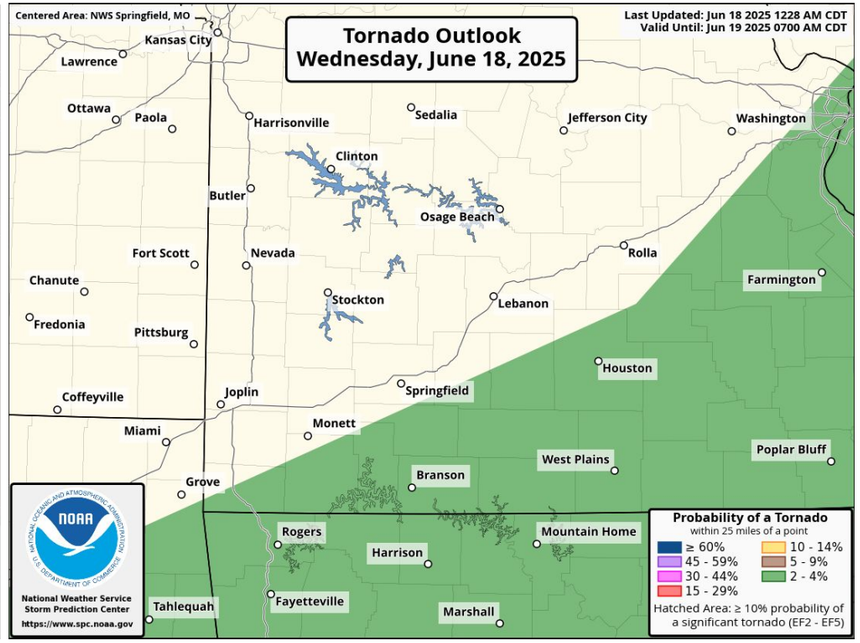
Hail Probability



Wind Probability



Tornado Probability



Pennies	Quarters	Golf Balls	Baseballs

< 60 mph	60-70 mph	70-80 mph	>80 mph

Very Low	Low	Moderate	High

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Confidence Levels

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Uncertainty in storm coverage and intensity

Location

Low Medium High

Timing

Low Medium High

Severe Hazard Type

Low Medium High

Flooding

Low Medium High

Confidence Details

➔ Unknowns in how much heat/instability recovery occurs after morning showers and storms. This will greatly impact the strength of any storms this afternoon and evening.

Alternate Scenarios

➔ If rain/clouds stick around, the severe risk would be reduced.
➔ If warm and unstable air can become established, supercells and multi-cell clusters would be possible. The greatest potential for this to occur is south of Interstate 44.

NWS Springfield Heat Headline Criteria

The difference between advisory, watch, and warning for heat products

Heat Advisory

Use Caution

Hazardous heat will occur for at least 24 hours.

Heat index ≥ 105°F

and/or

Heat index 100-104°F for 4+ consecutive days

Extreme Heat Watch

Be Prepared

Dangerous heat is possible in the next 24 hours.

Issued 24-48 hours before:

Heat index ≥ 110°F

and/or

Heat index ≥ 105°F for 4+ days

Extreme Heat Warning

Take Action!

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

Heat index ≥ 110°F

and/or

Heat index ≥ 105°F for 4+ consecutive days

with consideration of nighttime temperatures around 75°F or higher

due to accentuated impacts from elevated nighttime temperatures

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Apparent Temperature Forecast This Weekend

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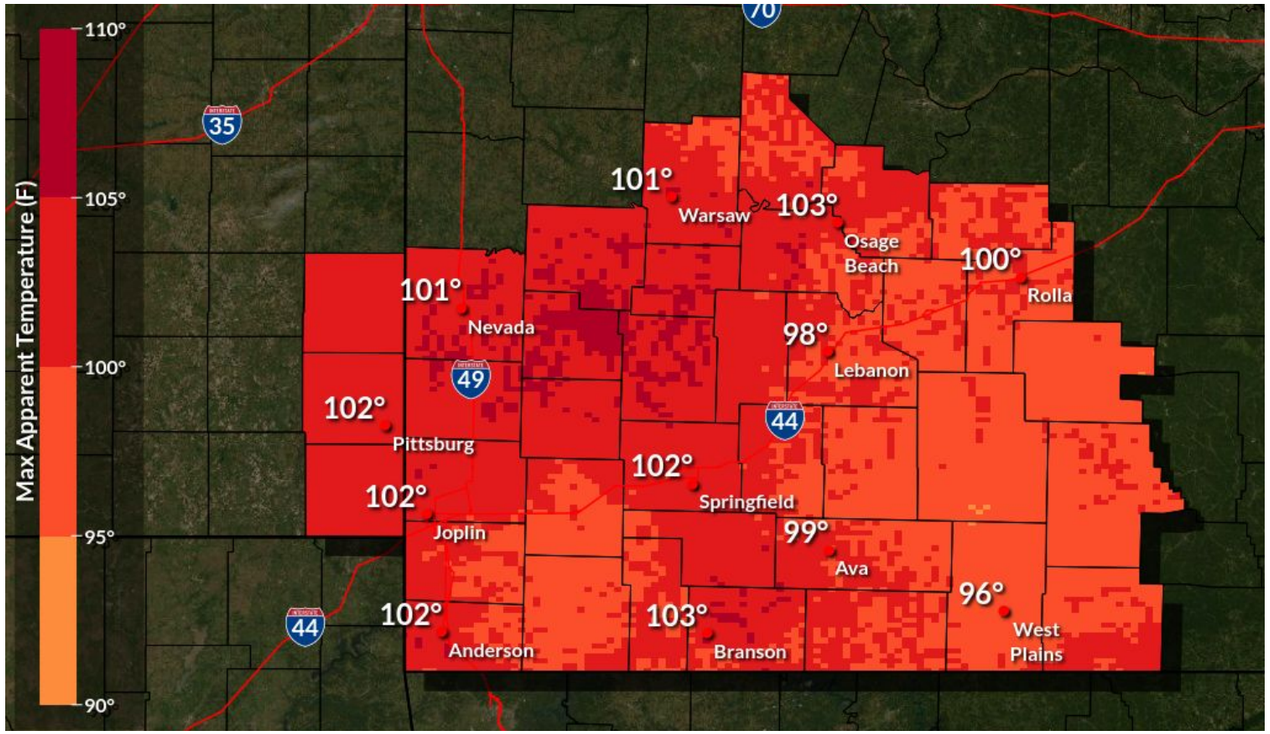
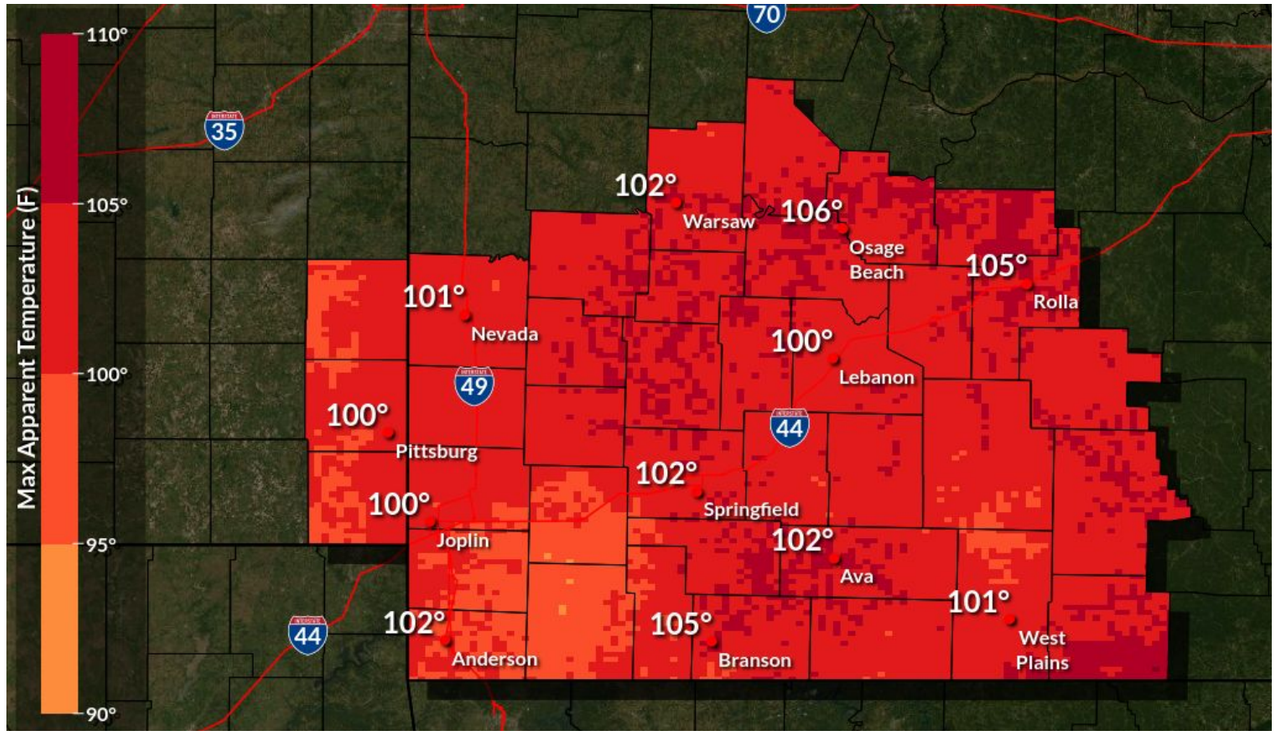
Apparent Temperature Friday



Apparent Temperature Saturday



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Apparent Temperature Forecast This Weekend

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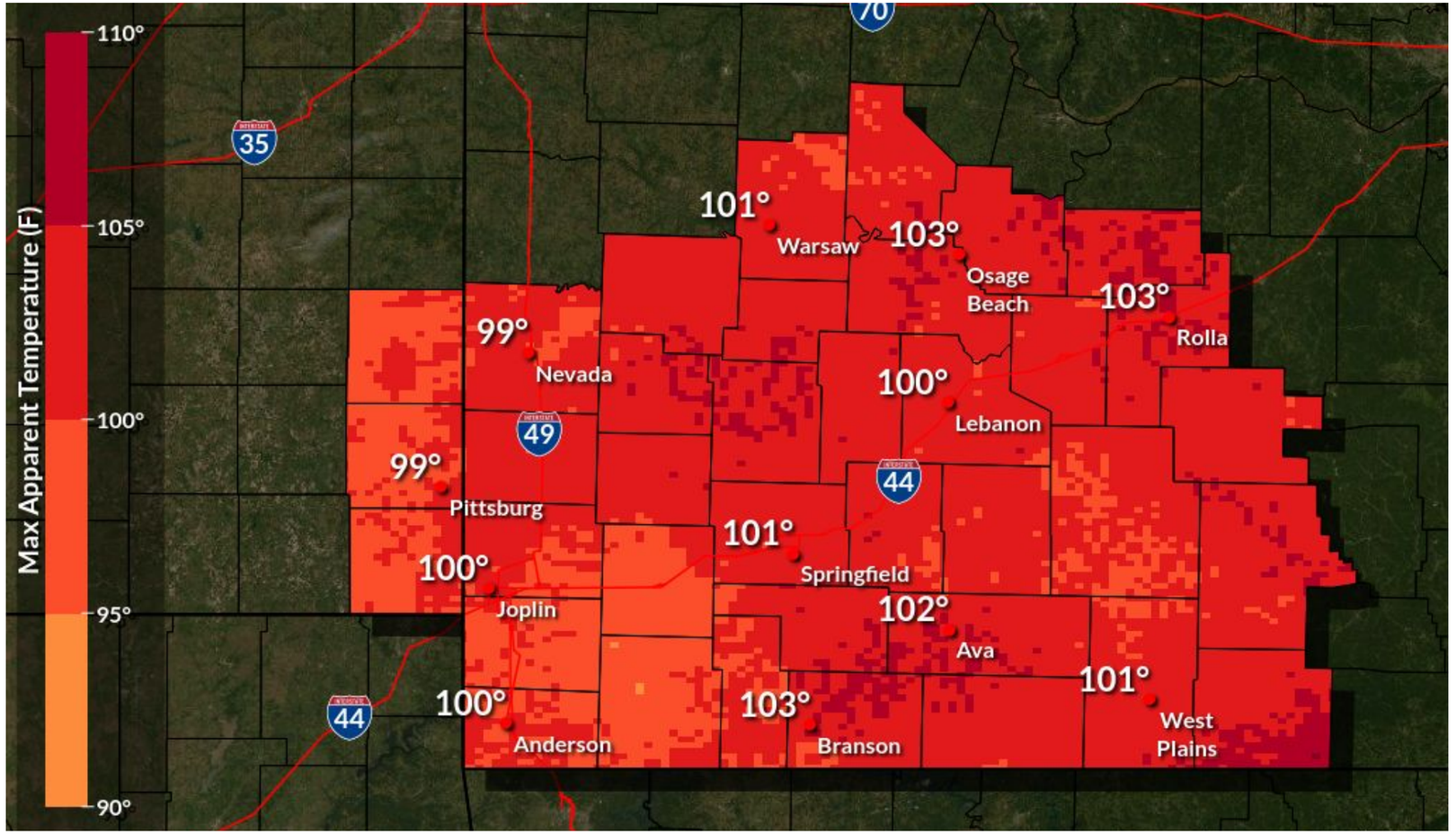
Apparent Temperature Sunday



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NWS HeatRisk Forecast This Weekend

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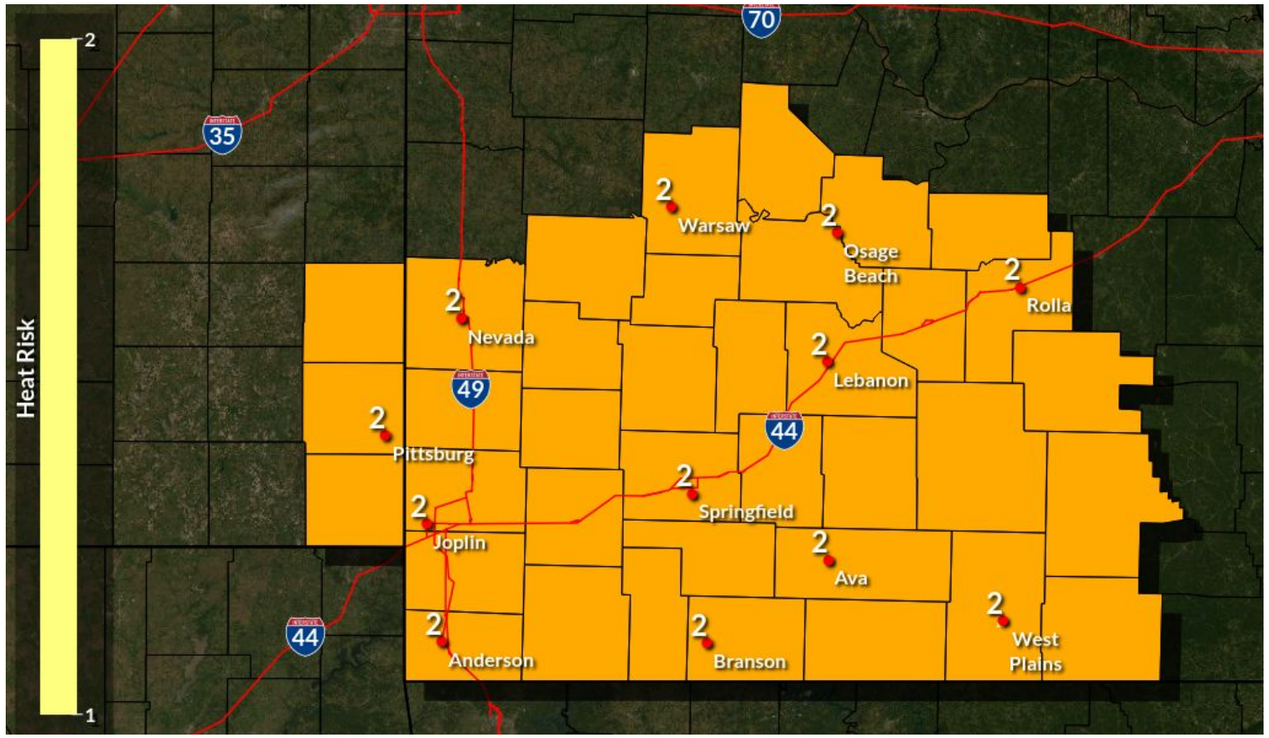
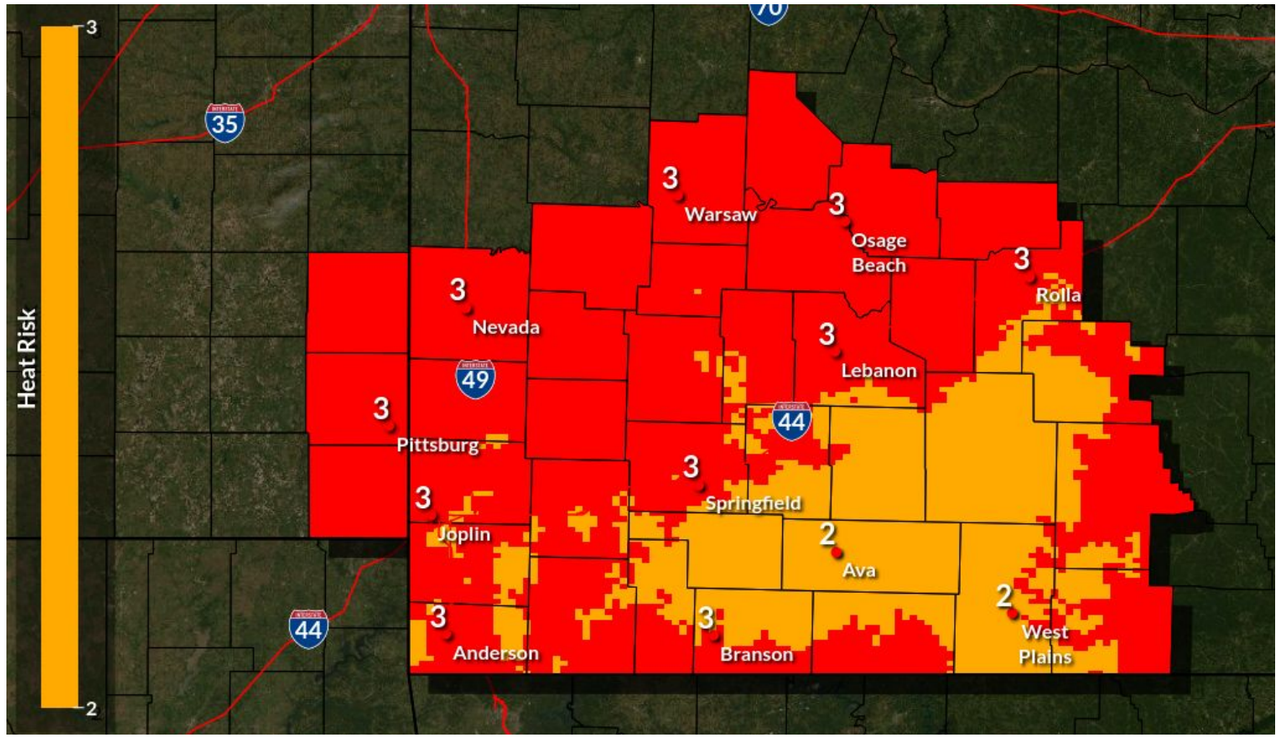
HeatRisk Friday



HeatRisk Saturday



HeatRisk: Potential Heat Impacts				
Little/None	Minor	Moderate	Major	Extreme

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NWS HeatRisk Forecast This Weekend

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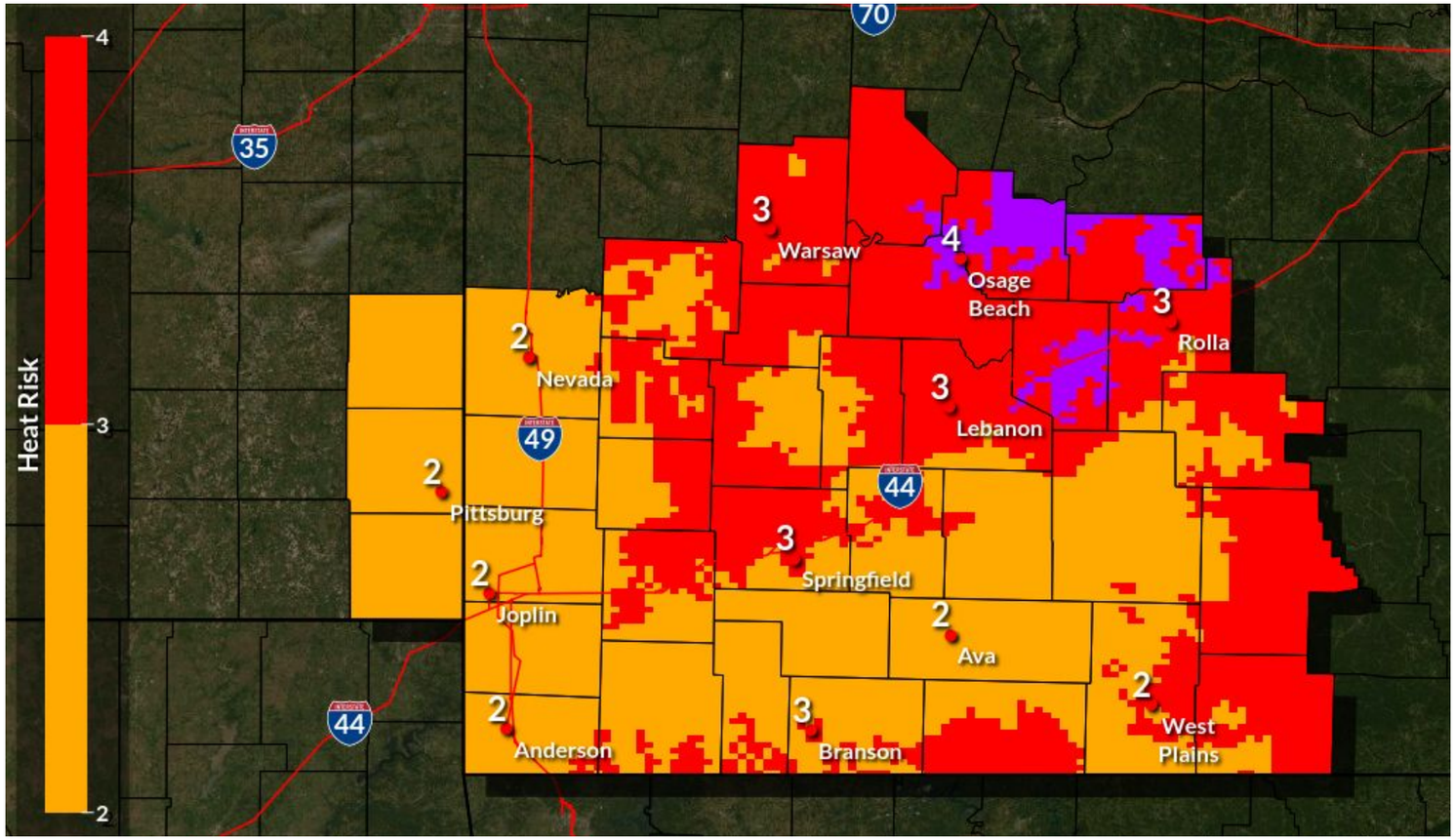
HeatRisk Sunday



HeatRisk: Potential Heat Impacts				
Little/None	Minor	Moderate	Major	Extreme

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Understanding NWS HeatRisk

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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

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For Additional Information

- ➔ NWS Springfield Webpage
- ➔ IDSS Point Forecasts
- ➔ Graphical Hazardous Weather Outlook
- ➔ SPC Convective Outlooks
- ➔ Submit Storm Reports
- ➔ 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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