

## National Weather Service Central Region Climate Outlook

# Nov 2024 – January 2025

Saturday, October 19, 2024 10:29 AM

## Important Messages:

#### High Variability Winter Possible

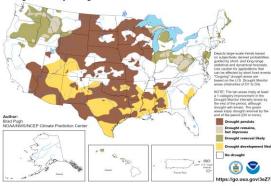
 Given model trends toward a fairly weak and short-lived La Niña to possibly even ENSO Neutral conditions, forecasters are anticipating the potential of a high variability winter.

This means much of the winter patterns, while seeing some influence from the weak La Niña, will likely be dominated by more short term trends and patterns.

In particular, influences from the MJO and stratospheric vortex will be important to monitor in addition to contributions from other teleconnections (i.e. NAO/AO).

### **Seasonal Drought Outlook**

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period Refeased October 17, 2024 - January 31, 2025 Refeased October 17, 2024



• Much of CR, particularly across the northern/central Plains, do not tend to see much improvement in drought conditions during the winter months.

• In the Great Lakes region and Upper Ohio Valley, some improvement in drought is expected between a higher likelihood of shorter term patterns favorable for precip in addition to the effects from a weak La Niña bringing a higher likelihood for precip there.

## November 2024 Temperature & Precipitation Outlooks

• Effects from the MJO played a part in driving some of the uncertainties (EC) for the western parts of CR as an increasingly cool signal is possible later in the month. In general both the numerical and dynamical models push a warm signal across much of CR with a stronger signal as you move south. The Great Lakes Region shows a milder warm signal with far more uncertainty amongst guidance.

• Very mixed precip signals in guidance for most of CR with a pronounced dry signal across the south. Some models show pockets of higher precip potential for Kansas, which is the reason for the inclusion of EC chances there.

## Nov-Dec-Jan 2024/2025 Temperature & Precipitation Outlooks

• Forecasters reduced temperature impacts from a weak La Niña for NDJ, with expanded coverage of above normal temperatures to the north, especially into the Great Lakes region. Generally, there is a warm signal across the US with just a bit more uncertainty further north where impacts from a weak La Niña may play a role.

• A very mixed precip signal across much of CR is noted with most of the greatest impacts on the fringes of the region. Great Lakes above average precipitation was dialed back due to the likelihood of a weaker La Niña.

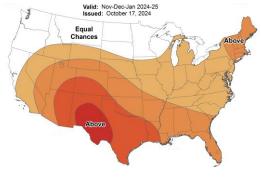
#### One Month Temperature Outlook



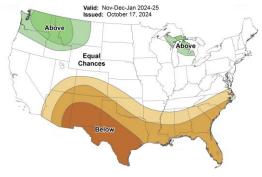
**One Month Precipitation Outlook** 



#### **Three Month Temperature Outlook**



#### **Three Month Precipitation Outlook**





## **Building a Weather-Ready Nation**

For more info, contact: shawn.rossi@noaa.gov

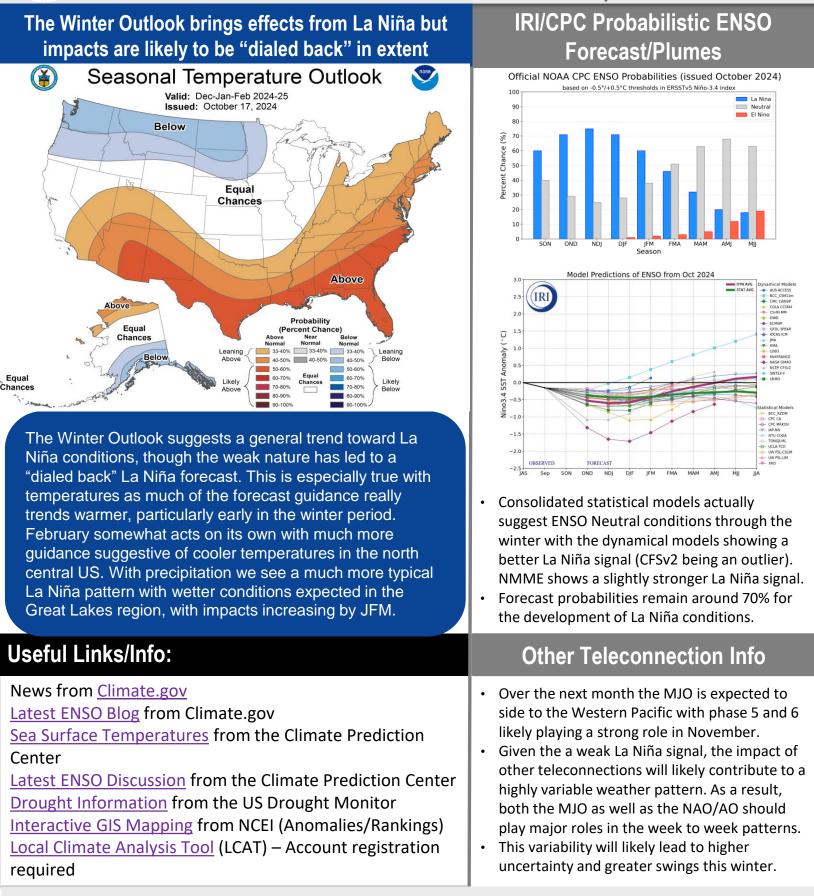
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### National Weather Service Central Region Climate Outlook

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