



Drought Information Statement for the Quad State Region

Valid April 25, 2024

Issued By: WFO Paducah, Kentucky

Contact Information: nws.paducah@noaa.gov

- This product will be updated around May 2, 2024 or sooner if drought conditions change significantly.
 - Please see all currently available products at <https://drought.gov/drought-information-statements>.
 - Please visit <https://www.weather.gov/pah/DroughtInformationStatement> for previous statements.
-
- Rainfall continues to help ease drought conditions across the region. Severe Drought remains only in a small part of southeast Missouri. As chances for precipitation increase in the next few weeks, so will evapo-transpiration needs as the spring green-up continues.



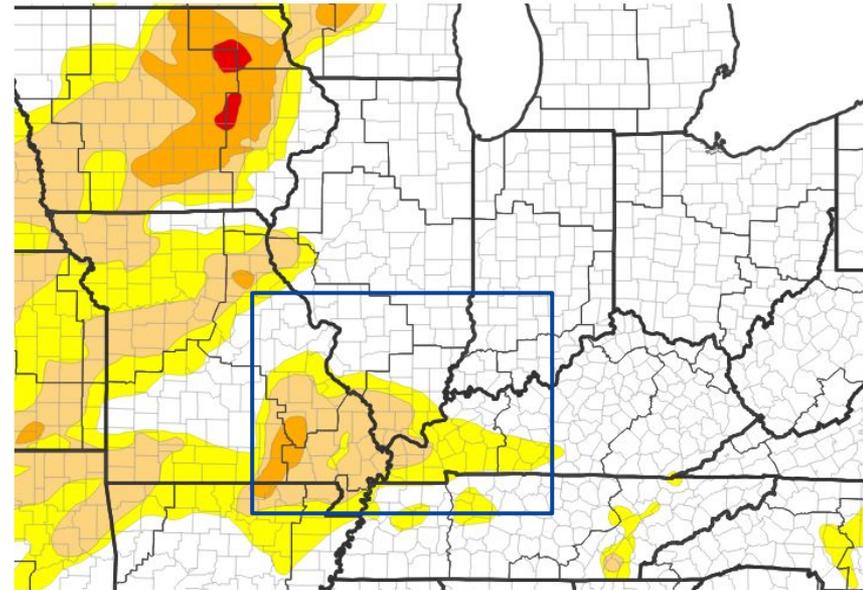


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for southeast MO, southern IL, southwest IN, and west KY

- Severe drought remains only in a small part of southeast Missouri
- Drought intensity and Extent
 - **D2 (Severe Drought)**: Covers only a small corner of Carter and Ripley Counties in southeast Missouri along the Ozark Foothills
 - **D1 (Moderate Drought)**: Covers about 37% of the forecast area in parts of southeast Missouri, southern Illinois and west Kentucky
 - **D0: (Abnormally Dry)**: Covers much of the rest of southern Illinois and west Kentucky

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 04/23/24

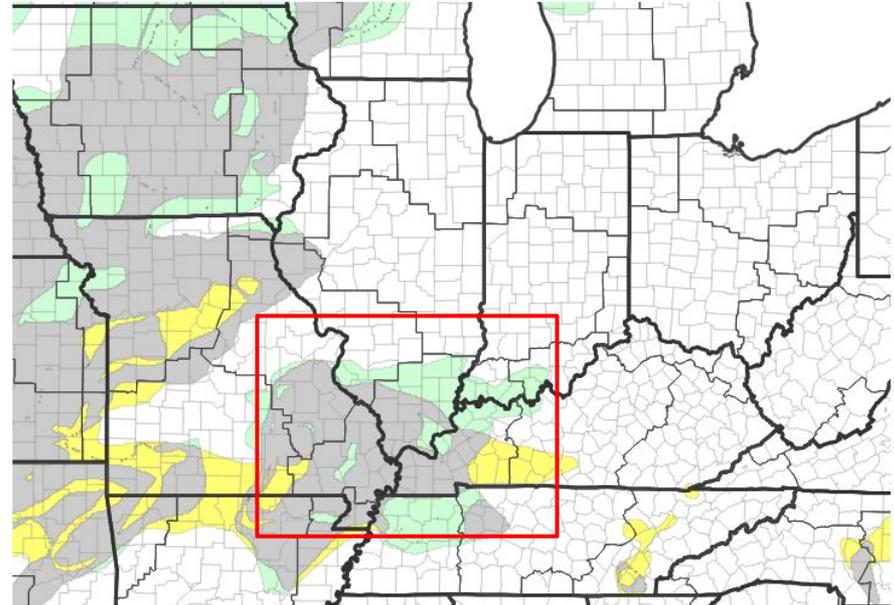




Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for southeast MO, southern IL, southwest IN, and west KY

- One Week Drought Monitor Class Change
 - Drought Improved: One category across parts of the region including southwest Indiana.
 - Drought Worsened: Across a small part of southeast Missouri into Ripley County and the southern part of the Pennyryle Area of west Kentucky.



Drought Change Since Last Week

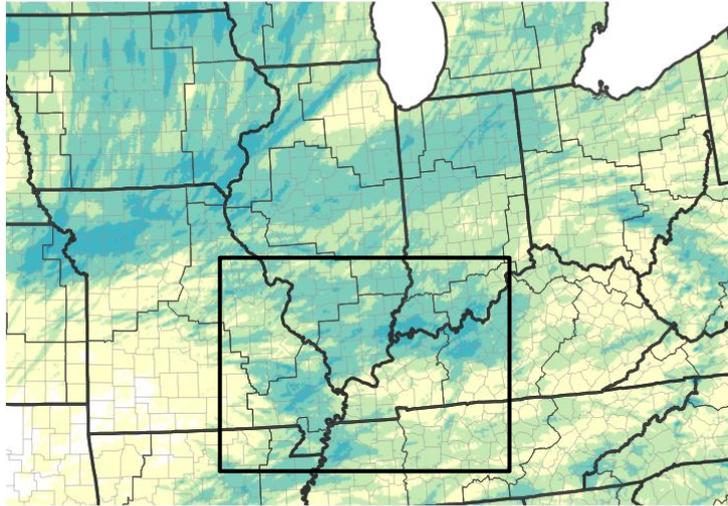




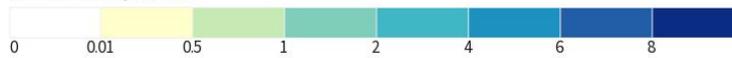
Precipitation

- West Kentucky missed out on most of the heavier rain. Parts of southeast Missouri and the Evansville Tri-State picked up around 2 inches of rain.

7-Day Precipitation Accumulations (Inches)



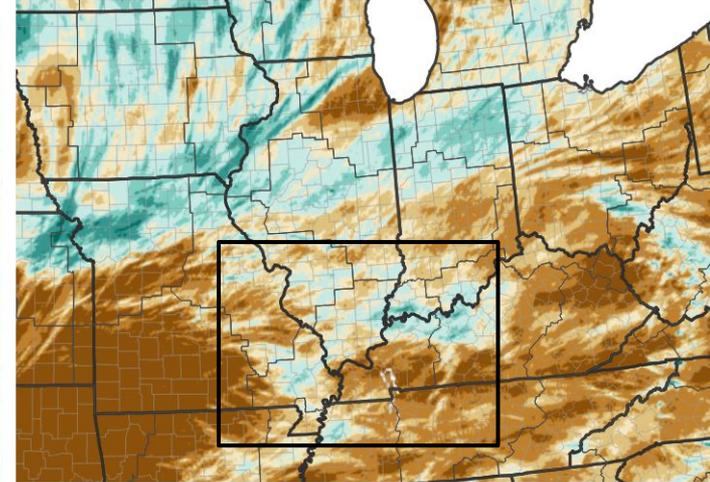
Inches of Precipitation



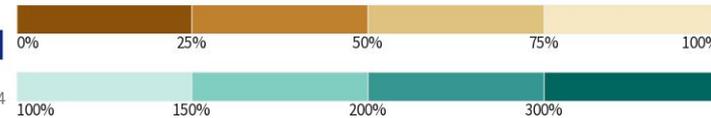
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 04/25/24

7-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 04/25/24



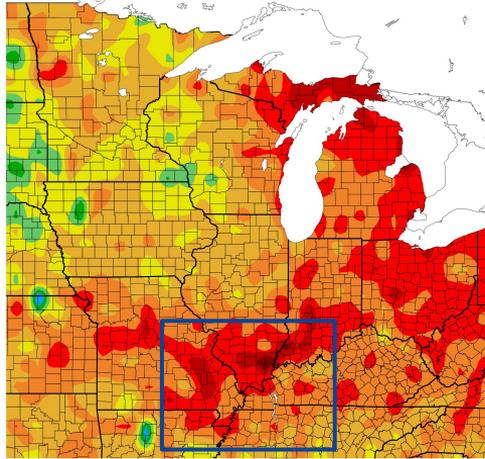


Temperature

Last 30 Day Average and Departure

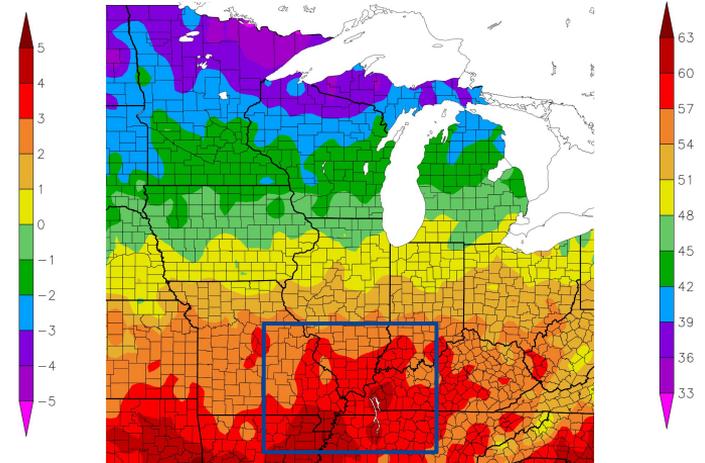
- Warmer than normal temperatures continue. Much of the area is seeing average temperatures 2 to 6 degrees warmer than normal.

Departure from Normal Temperature (F)
3/26/2024 – 4/24/2024



Generated 4/25/2024 at HPRCC using provisional data.

Temperature (F)
3/26/2024 – 4/24/2024



NOAA Regional Climate Centers ³²⁴ at HPRCC using provisional data.

NOAA Regional Climate Centers





Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- There are no known impacts at this time

Agricultural Impacts

- Greenup is just about complete. Crops are being planted. Due to the early nature of the growing season, some homeowners are having to water ornamental plants when there is a stretch of dry weather.

Fire Hazard Impacts

- There are no known impacts at this time

Other Impacts

- There are no known impacts at this time

Mitigation Actions

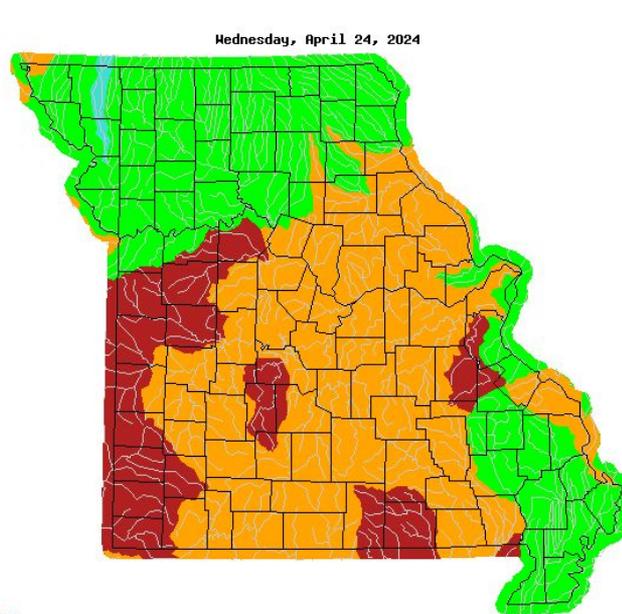
- Please refer to your municipality and/or water provider for mitigation information.





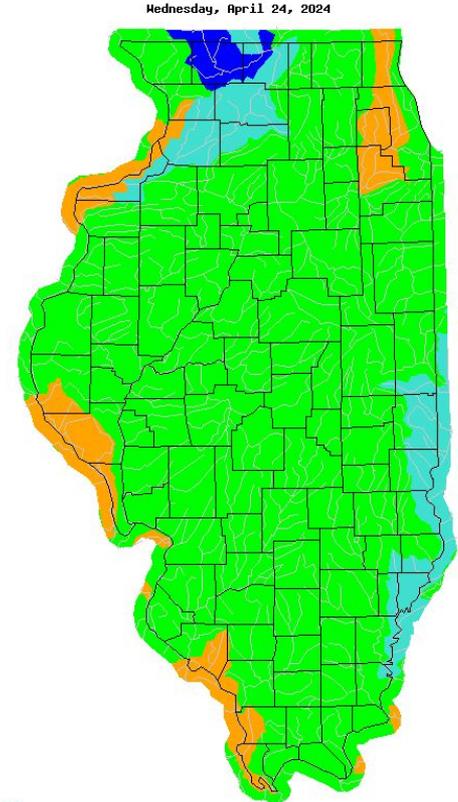
Hydrologic Conditions and Impacts

- Rainfall has helped to improve streamflow conditions across the region.
- Areas that didn't receive the heavier rainfall remains below normal.



USGS

Image Caption: USGS 7 day average streamflow HUC map



USGS





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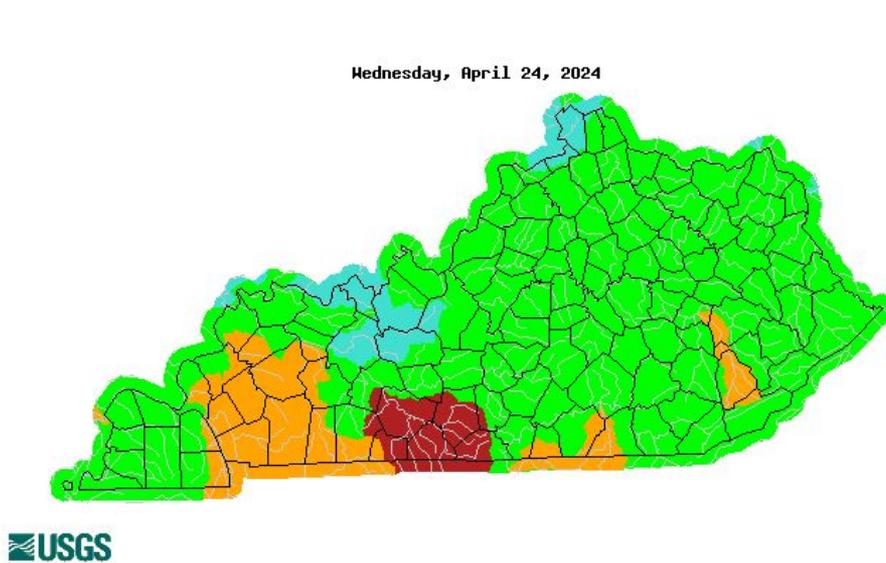
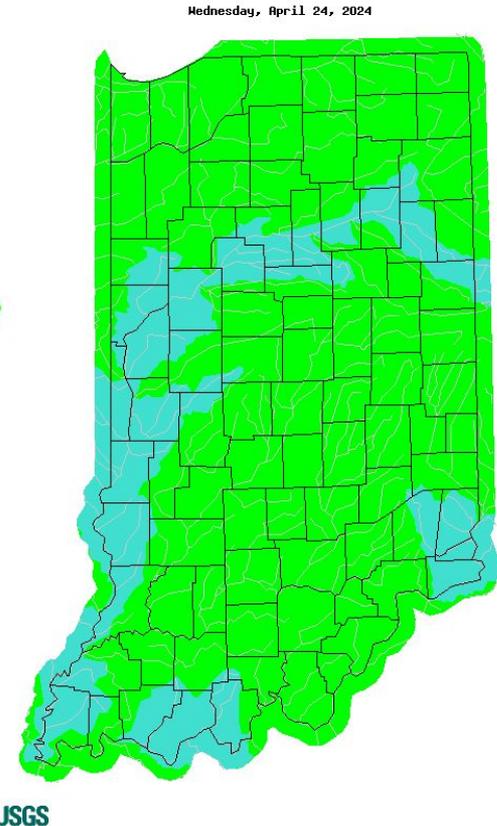


Image Caption: USGS 7 day average streamflow HUC map

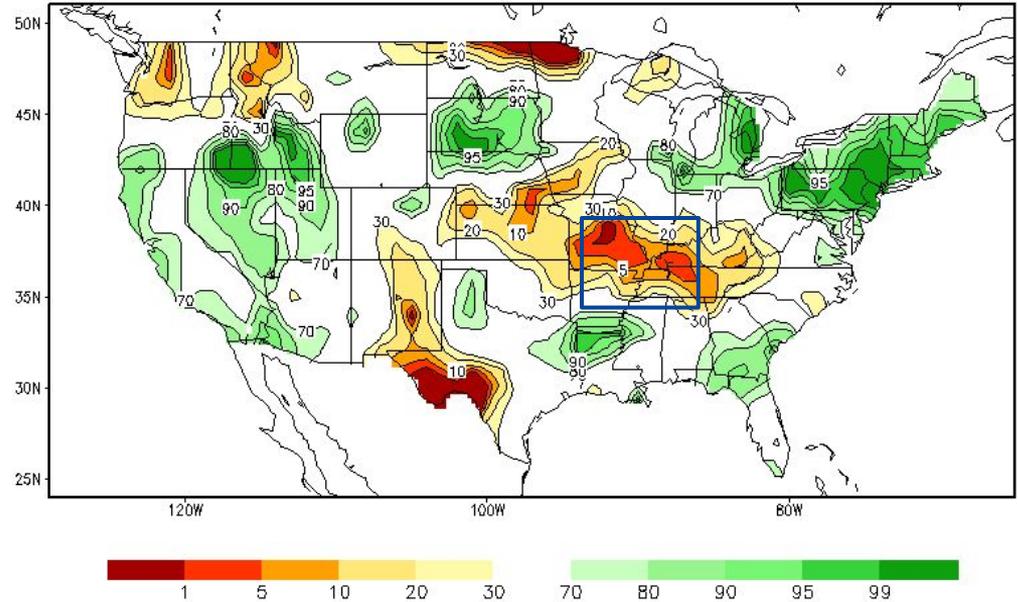




Agricultural Impacts

- Soil moisture remains below normal for a large part of the Ohio and middle Mississippi Valleys.

Calculated Soil Moisture Ranking Percentile
APR 24, 2024

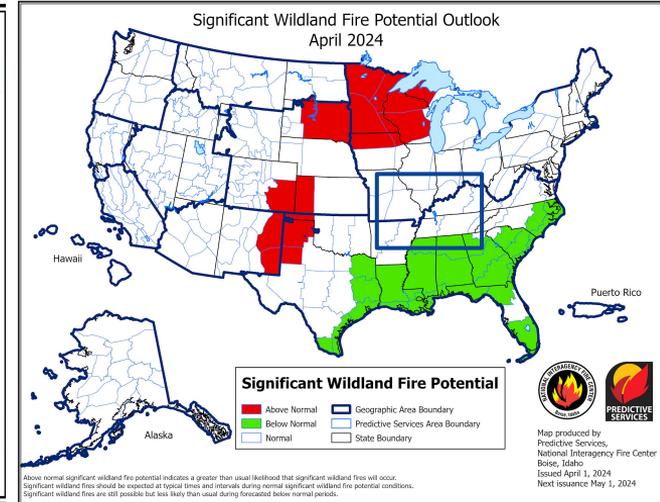
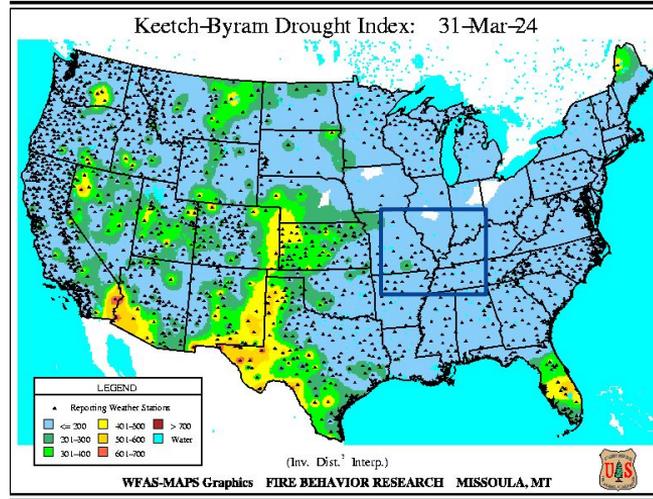




Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#).

- No Wildfire Hazards at this time.



- [Significant Wildland Fire Potential Outlook Month 2](#)
- [Significant Wildland Fire Potential Outlook Month 3](#)
- [Significant Wildland Fire Potential Outlook Month 4](#)

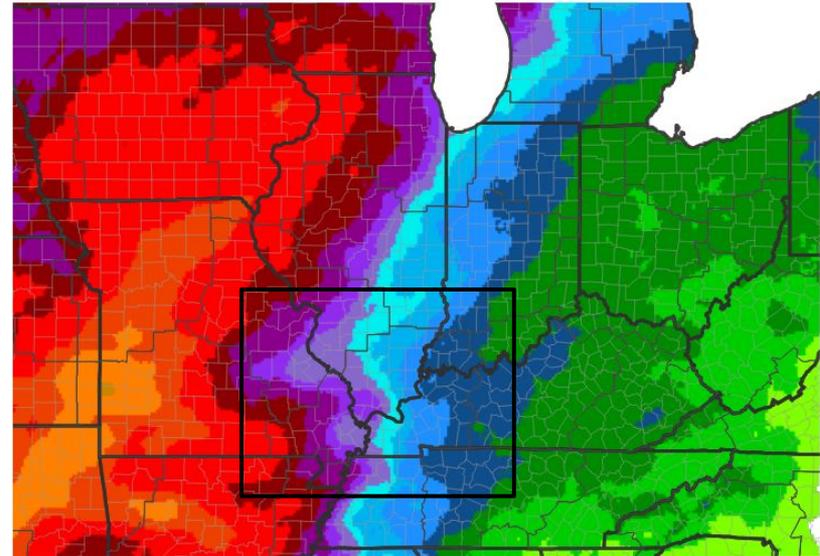




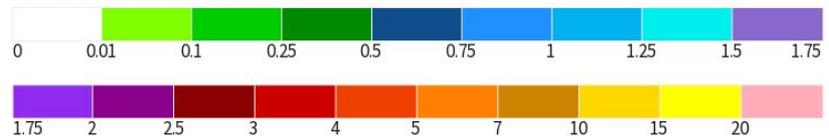
Seven Day Precipitation Forecast

- A strong spring storm system will bring a chance of severe weather and heavy rainfall to much of the Central Plains into the weekend.
- A warm front will lift north into Friday morning bringing a chance for scattered showers and isolated thunderstorms.
- As the storm system approaches our area late in the weekend, we will see increased chances for showers and thunderstorms.
- Areas west of the Mississippi River may pick up 1 to 2 inches of rain while areas east of the Mississippi River may expect around 1 inch or less.

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

Data Valid: 04/25/24





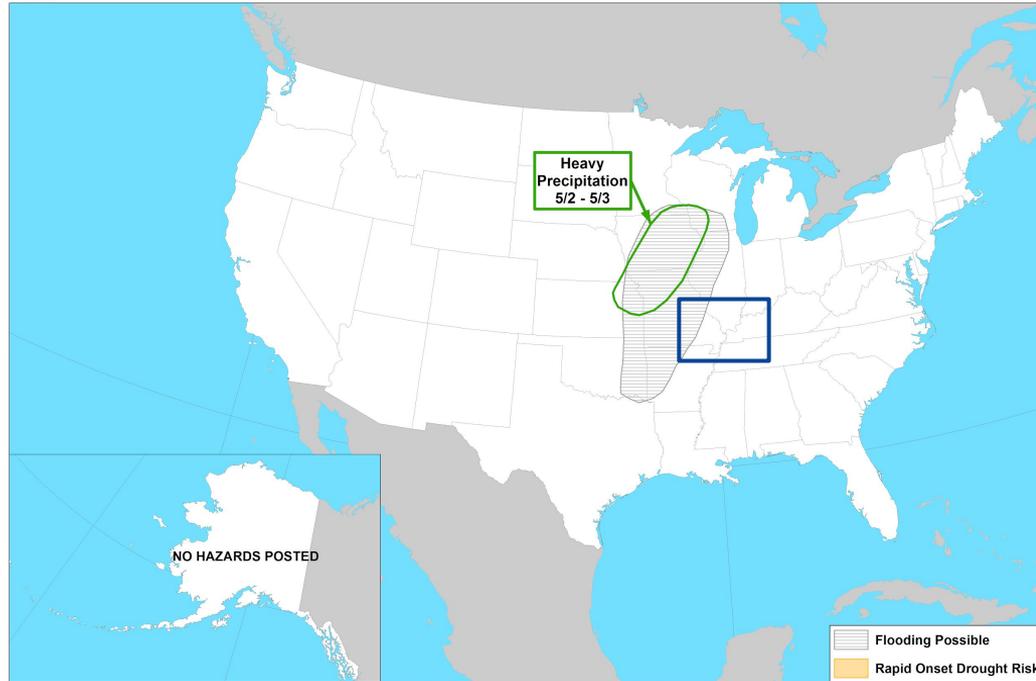
Rapid Onset Drought Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- Heavy rainfall is expected to stay west and northwest through next week. This may bring some increased flows along the Mississippi River.



Day 8-14 U.S. Hazards Outlook
Valid: 05/02/2024-05/08/2024



Climate Prediction Center
Made: 04/24/2024 3PM EDT

Follow us:
www.cpc.ncep.noaa.gov

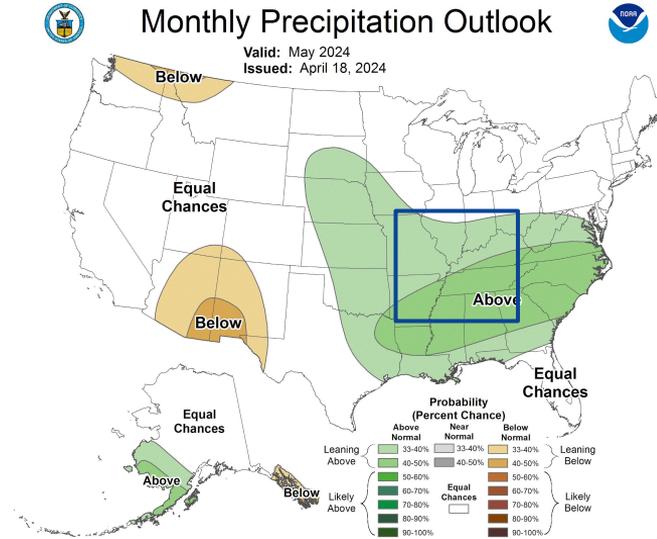
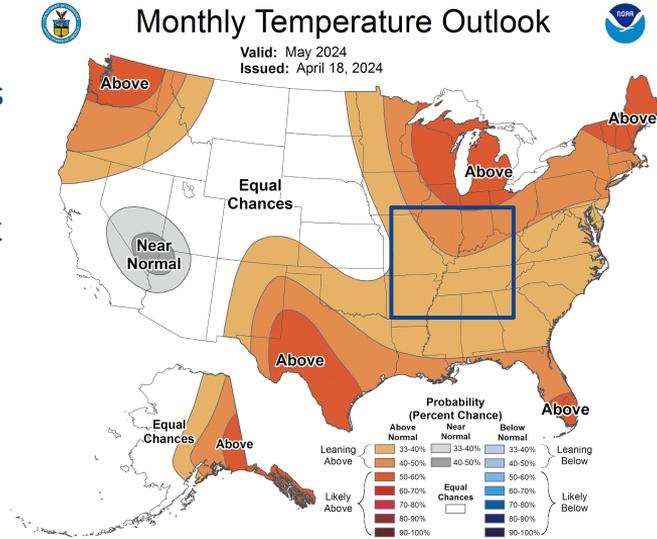




Long-Range Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The warmer than normal pattern will continue through May.
- An active storm pattern will keep periodic chances for showers and storms through much of the rest of the month but will shift south as we head into May.



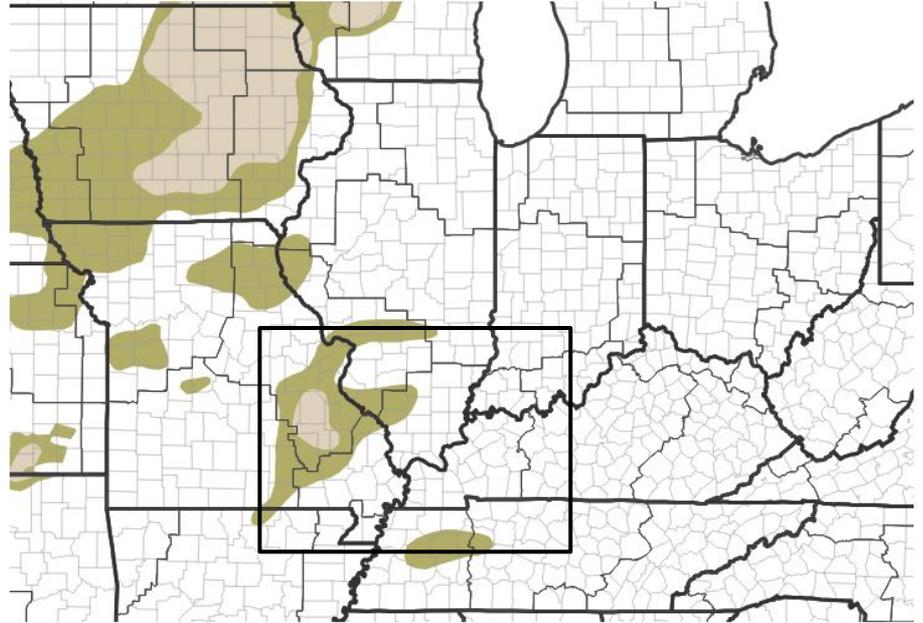


Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- If an active weather pattern continues, some improvement in the most severe drought areas is possible through the end of April.

1-Month Drought Outlook



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Data Valid: 04/25/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



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

National Weather Service
Paducah, KY