



Drought Information Statement for the Quad State Region

Valid May 3, 2024

Issued By: WFO Paducah, Kentucky

Contact Information: nws.paducah@noaa.gov

- This product will be updated 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 has been removed in a small part of southeast Missouri. As chances for precipitation increase in the next week, so will evapo-transpiration needs as the spring green-up continues.



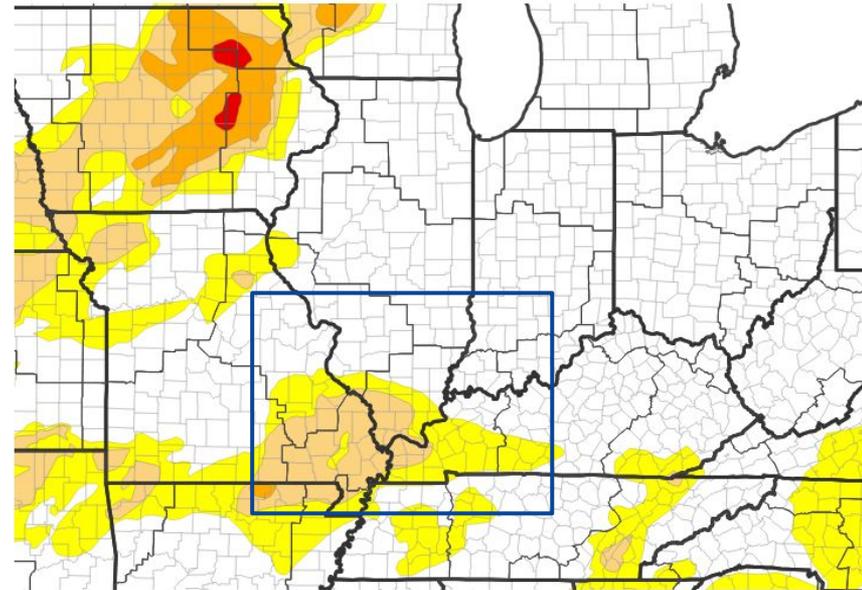


U.S. Drought Monitor

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)**: Has been removed from Carter and Ripley Counties in southeast Missouri along the Ozark Foothills
 - **D1 (Moderate Drought)**: Covers about 39% of the forecast area in parts of southeast Missouri, southern Illinois and west Kentucky
 - **D0: (Abnormally Dry)**: Covers much of the rest of southwest Illinois and west Kentucky

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 04/30/24

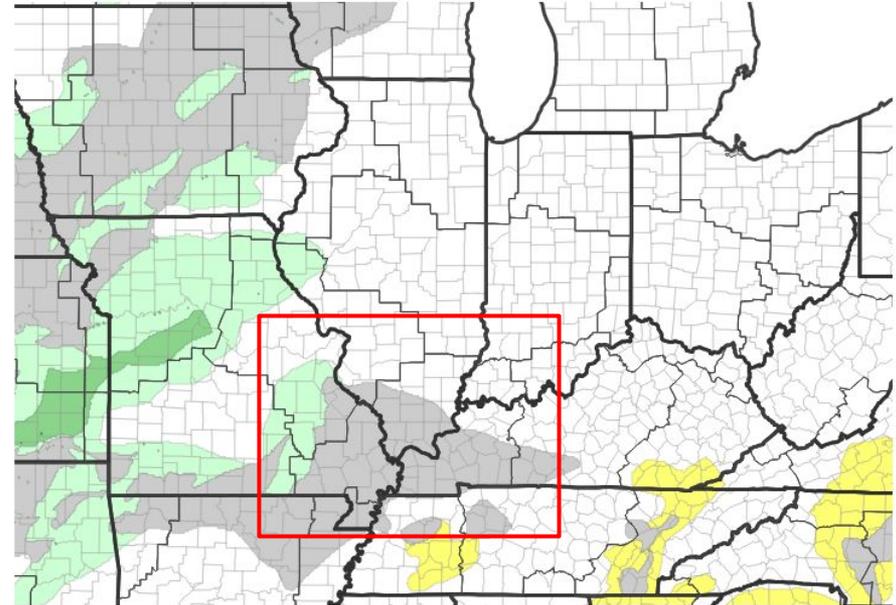




Recent Change in Drought Intensity

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 in southeast Missouri.
 - Drought Worsened: None



Drought Change Since Last Week

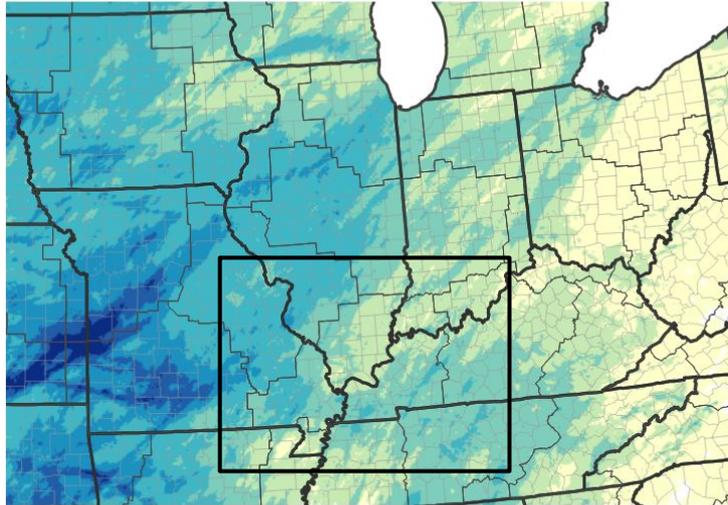




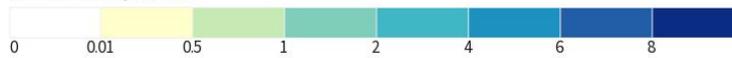
Precipitation

- Much of southeast Missouri and parts of west Kentucky received up to 2 inches of rain.
- For April, the observation station in Paducah was a little over 2.5” below normal for the month.

7-Day Precipitation Accumulations (Inches)



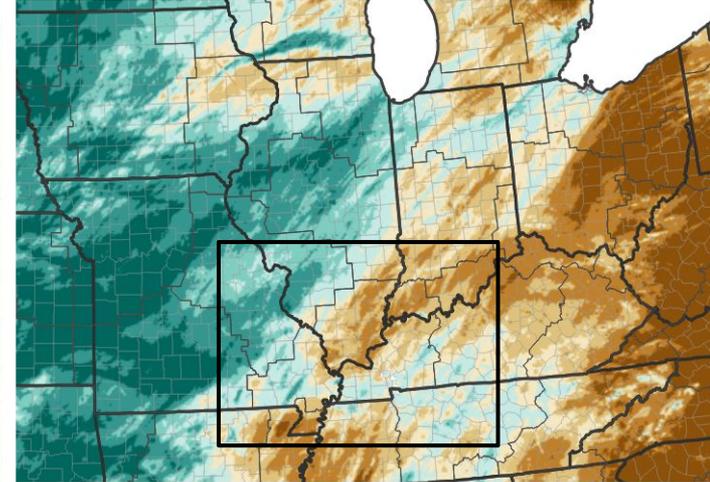
Inches of Precipitation



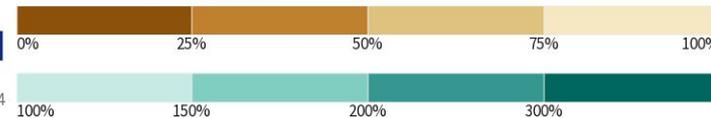
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 05/03/24

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: 05/03/24



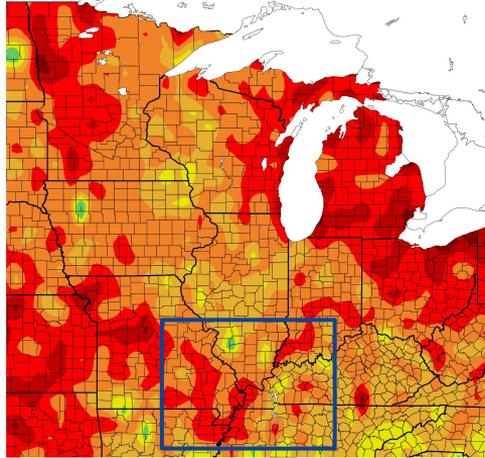


Temperature

Last 30 Day Average and Departure

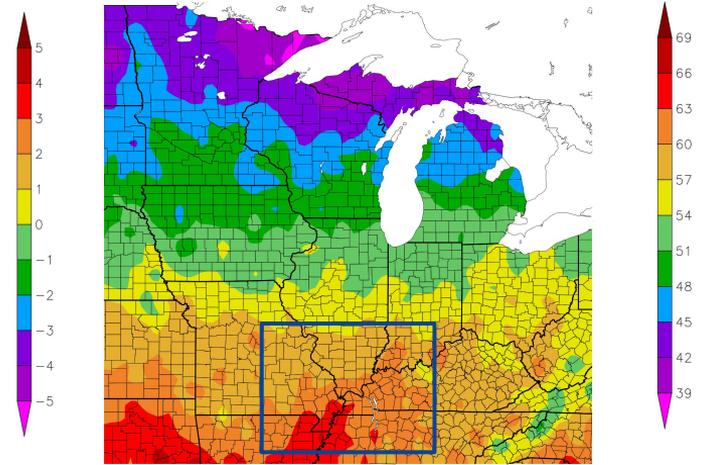
- Warmer than normal temperatures continue. Much of the area is seeing average temperatures 2 to 6 degrees warmer than normal.
- It was the 5th warmest April on record at Paducah, Kentucky and the 9th warmest April at Evansville, Indiana.

Departure from Normal Temperature (F)
4/3/2024 – 5/2/2024



Generated 5/3/2024 at HPRCC using provisional data.

Temperature (F)
4/3/2024 – 5/2/2024



NOAA Regional Climate Centers ²⁴ 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.

Fire Hazard Impacts

- There are no known impacts at this time

Other Impacts

- There are no known impacts at this time

Mitigation Actions

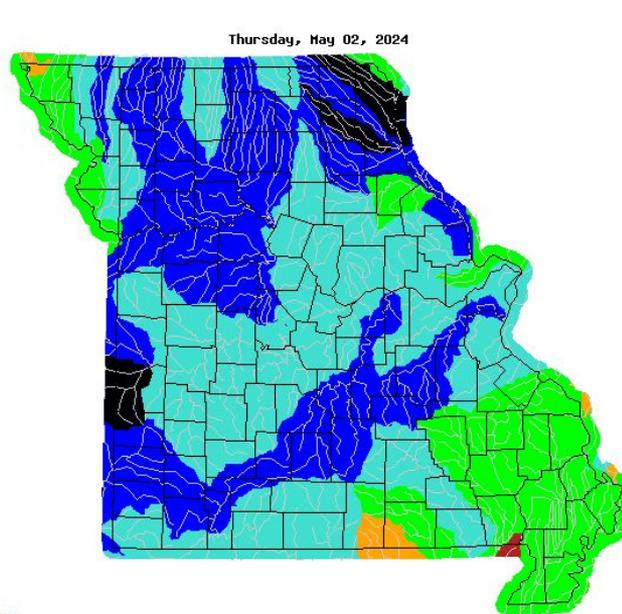
- Please refer to your municipality and/or water provider for mitigation information.





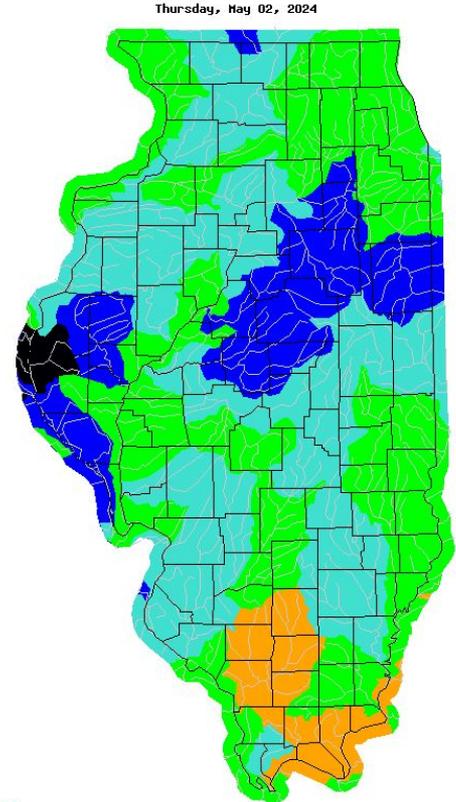
Hydrologic Conditions and Impacts

- 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





Hydrologic Conditions and Impacts

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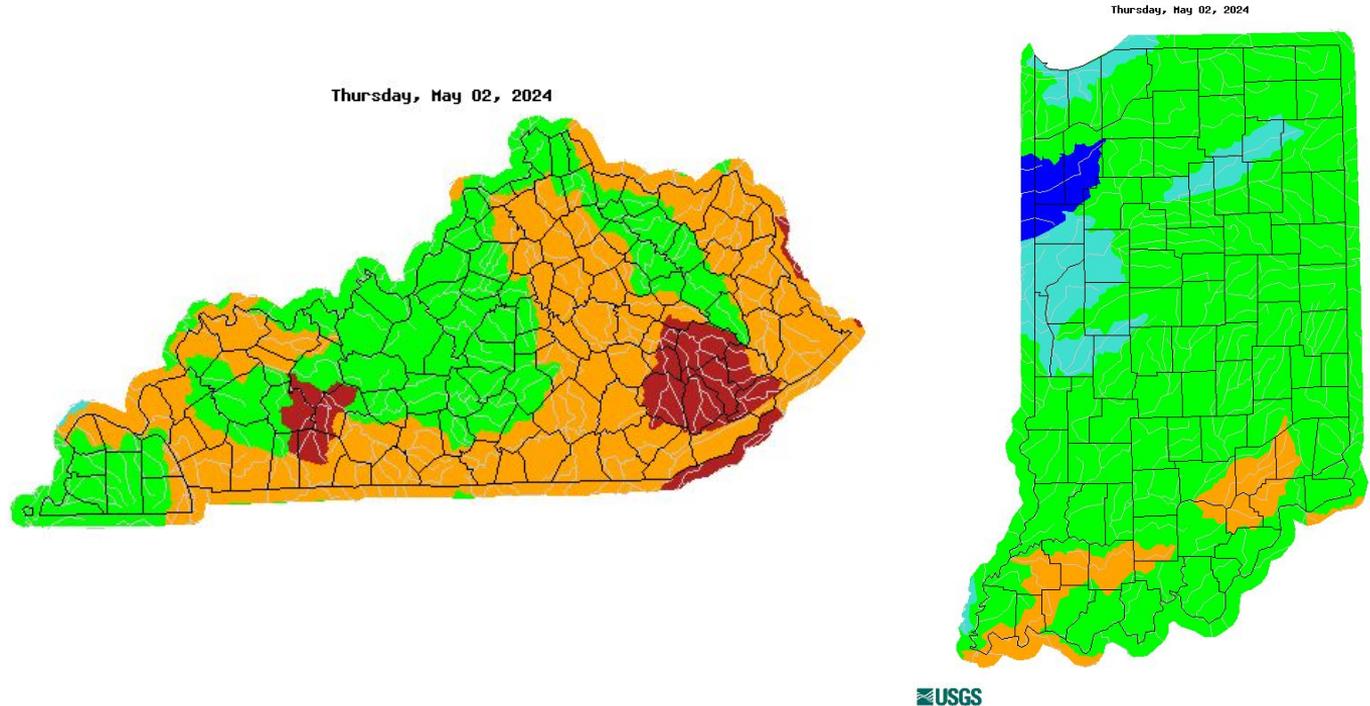


Image Caption: USGS 7 day average streamflow HUC map

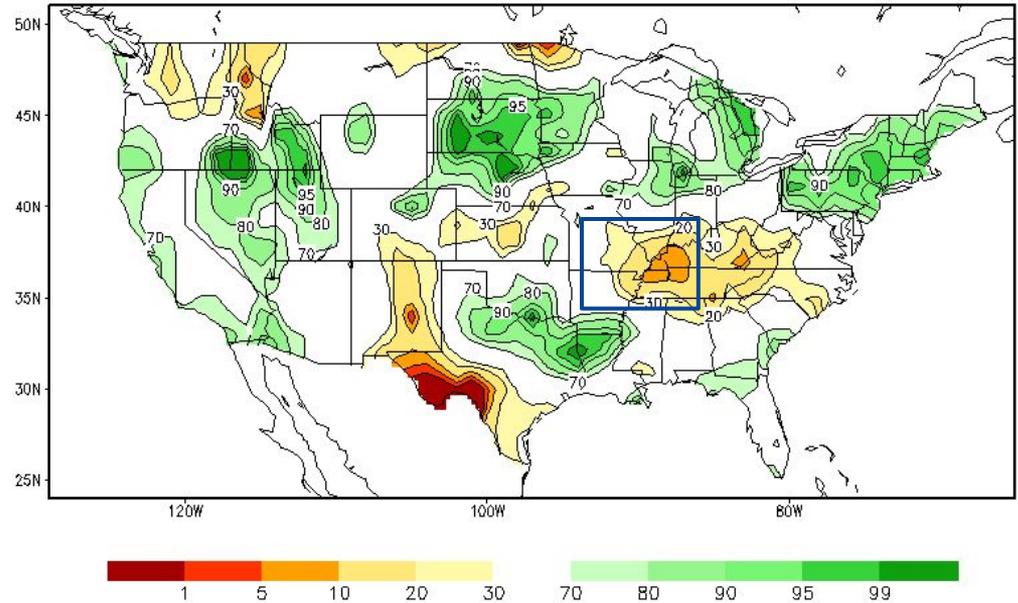




Agricultural Impacts

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

Calculated Soil Moisture Ranking Percentile
MAY 02, 2024

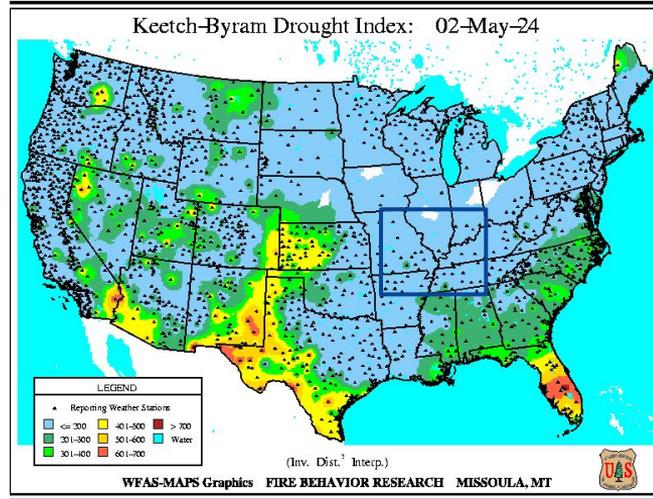




Fire Hazard Impacts

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](#)

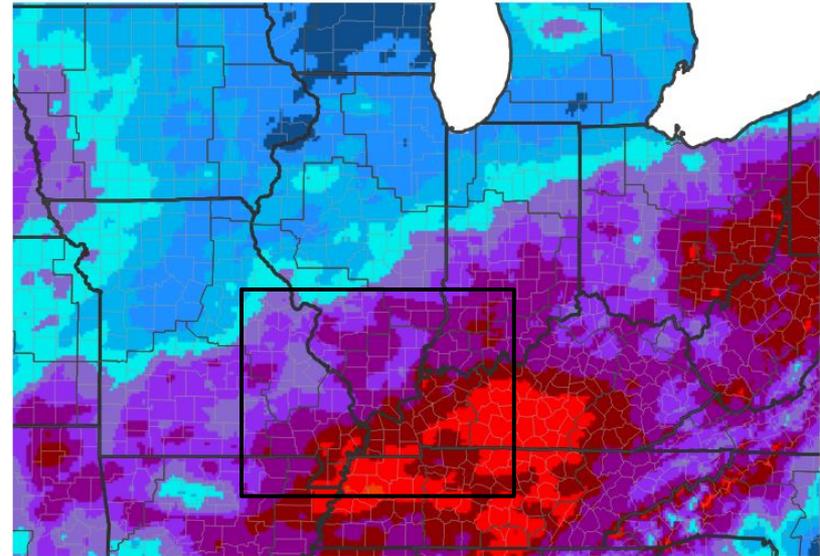




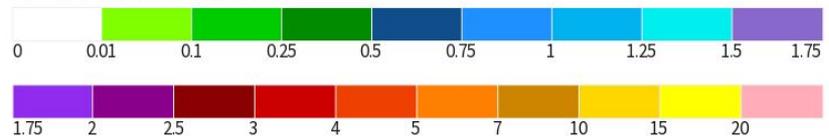
Seven Day Precipitation Forecast

- Scattered pop-up storms are possible through Monday across the region. There may be very localized areas of heavy rain with a few of these storms.
- Storms will become better organized next week. Strong to severe storms will be possible with the potential for very heavy rainfall and flooding.
- Many areas may pick up 2 inches of rain next week with isolated higher amounts.

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



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

Data Valid: 05/03/24





Rapid Onset Drought Outlook

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

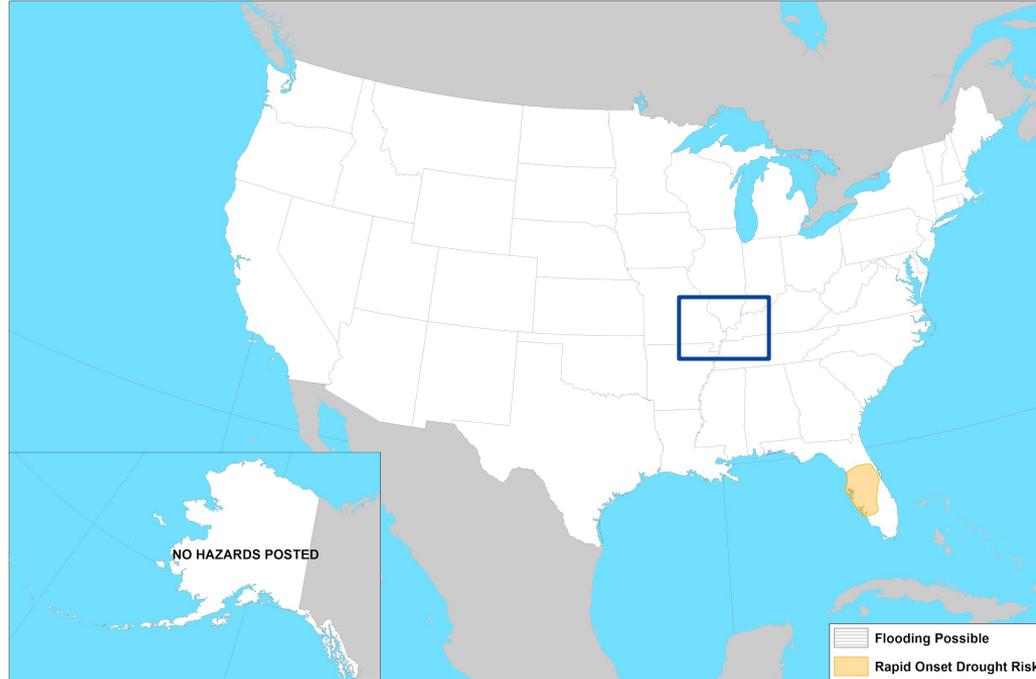
- Heavy rain is possible next week increasing the chances for localized flooding.



Preliminary

Day 8-14 U.S. Hazards Outlook

Valid: 05/11/2024-05/17/2024



Climate Prediction Center

Made: 05/03/2024 3PM EDT

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National Oceanic and Atmospheric Administration

U.S. Department of Commerce

National Weather Service
Paducah, KY

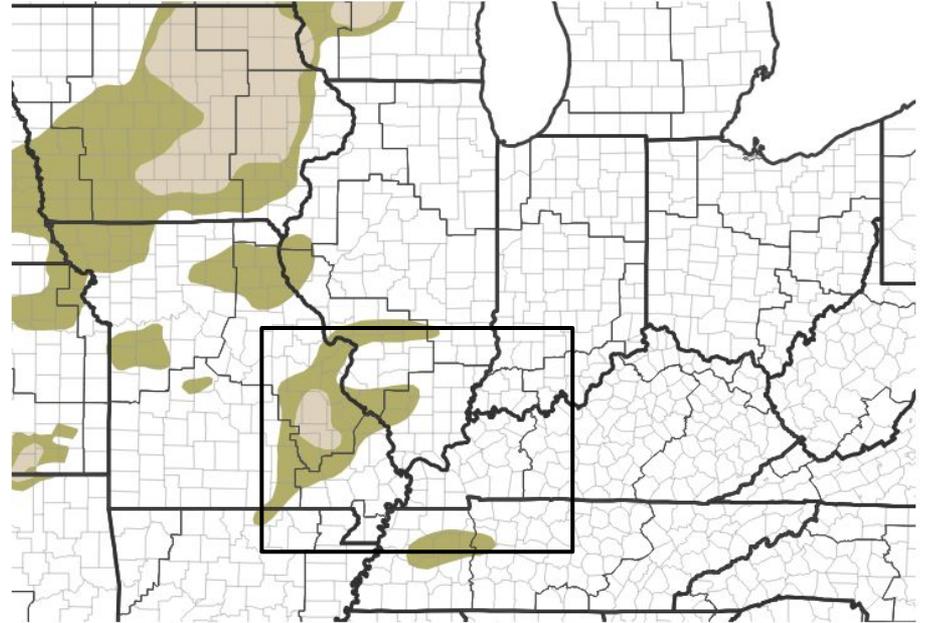


Drought Outlook

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 May.

1-Month Drought Outlook



Drought Is Predicted To...



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

Data Valid: 05/03/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)

