

Drought Information Statement for the Quad State Region

Valid April 11, 2024

Issued By: WFO Paducah, Kentucky

Contact Information: nws.paducah@noaa.gov

- This product will be updated April 18, 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.
-
- Drought conditions continue to worsen in parts of southeast Missouri. Severe drought has pushed into parts of the Ozark Foothills. As chances for precipitation increase in the next few weeks, so will evapo-transpiration needs as the spring green-up continues.



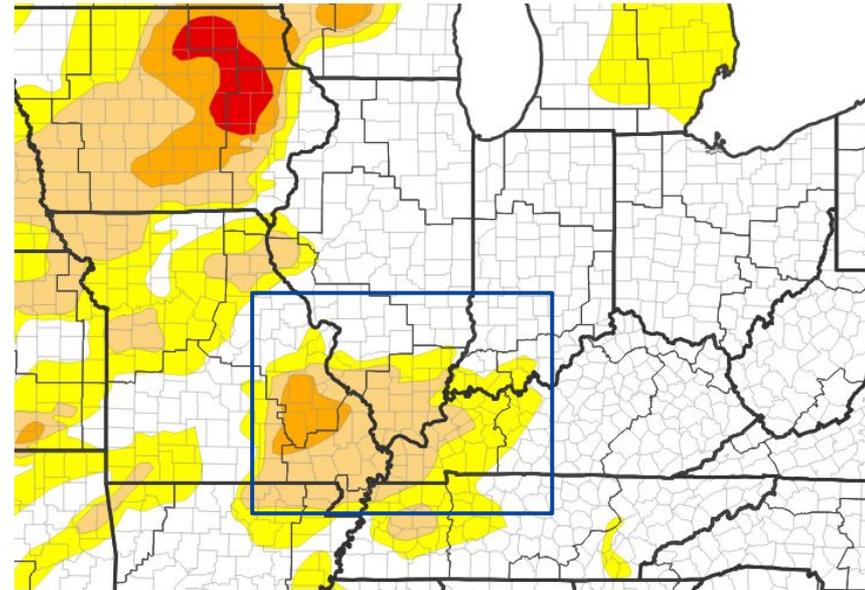


U.S. Drought Monitor

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

- Severe drought has crept into parts of southeast Missouri
- Drought intensity and Extent
 - **D2 (Severe Drought)**: Covers about 3% of the forecast area in part of southeast Missouri along the Ozark Foothills
 - **D1 (Moderate Drought)**: Covers about 59% of the forecast area in parts of southeast Missouri, southern Illinois and west Kentucky
 - **D0: (Abnormally Dry)**: Covers most of the rest of the forecast area including parts of southwest Indiana

U.S. Drought Monitor



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

Data Valid: 04/09/24

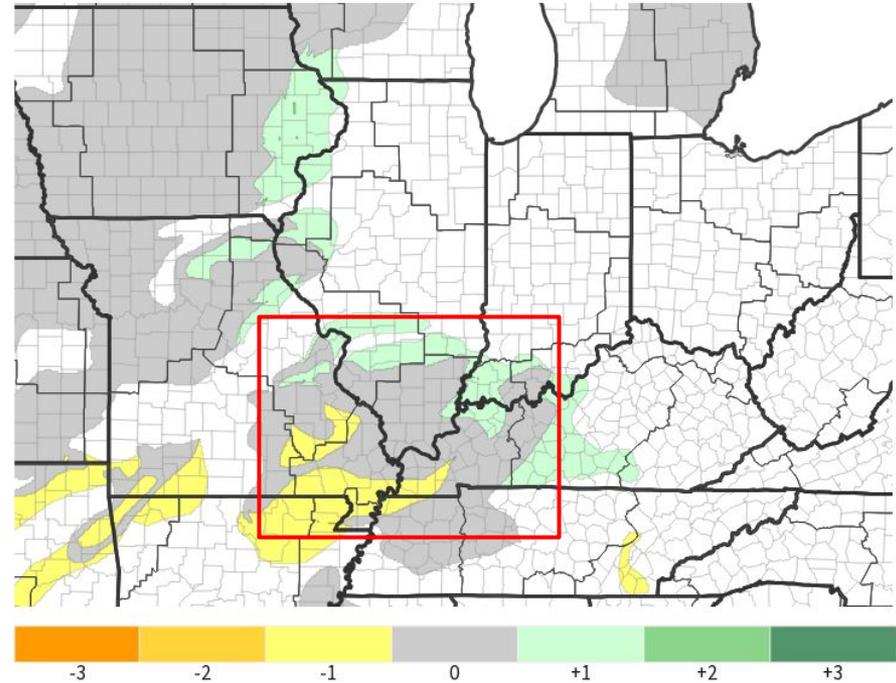




Recent Change in Drought Intensity

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 our northern counties.
 - Drought Worsened: One category across parts of southeast Missouri and far west Kentucky.

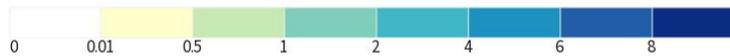
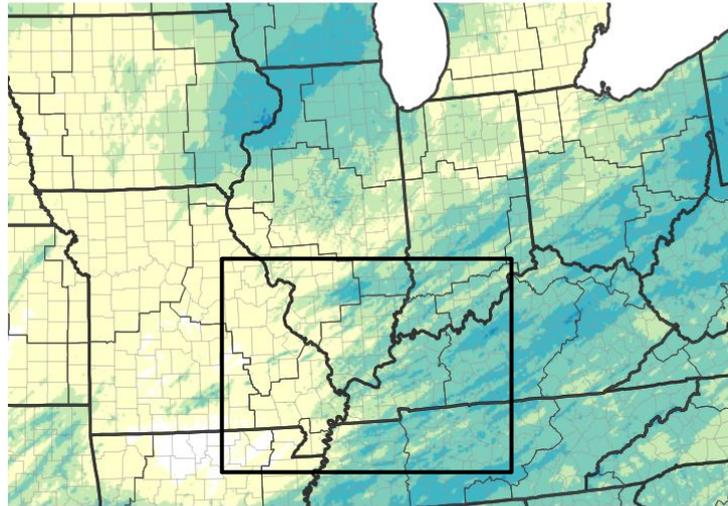




Precipitation

- Areas east of the Mississippi River received up to an inch of rain that continues to help surface moisture. Areas west of the Mississippi River received far less rainfall.

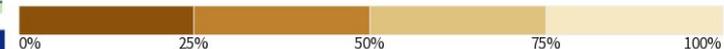
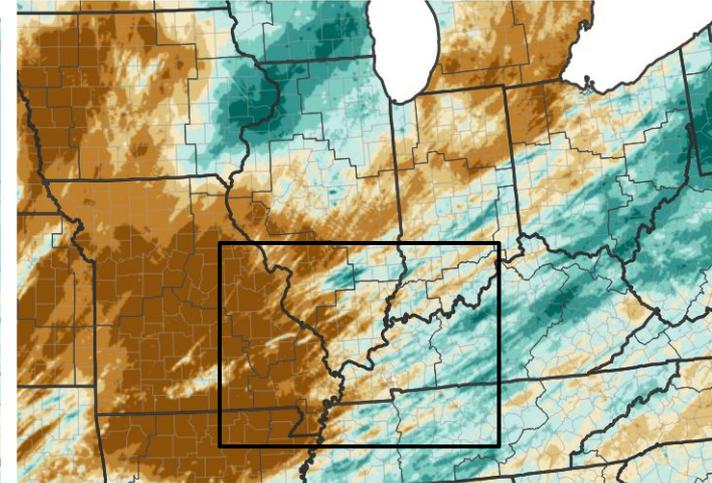
7-Day Precipitation Accumulations (Inches)



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

Last Updated: 04/11/24

7-Day Percent of Normal Precipitation



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

Last Updated: 04/11/24



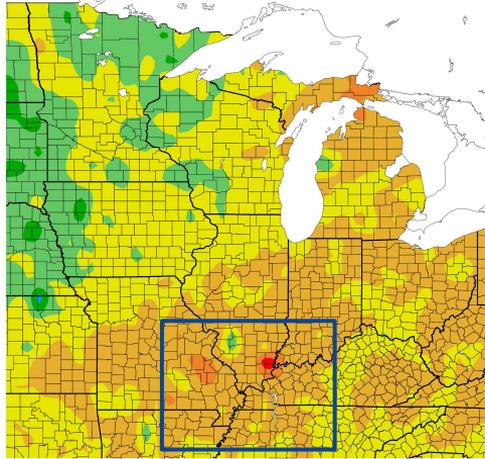


Temperature

Last 30 Day Average and Departure

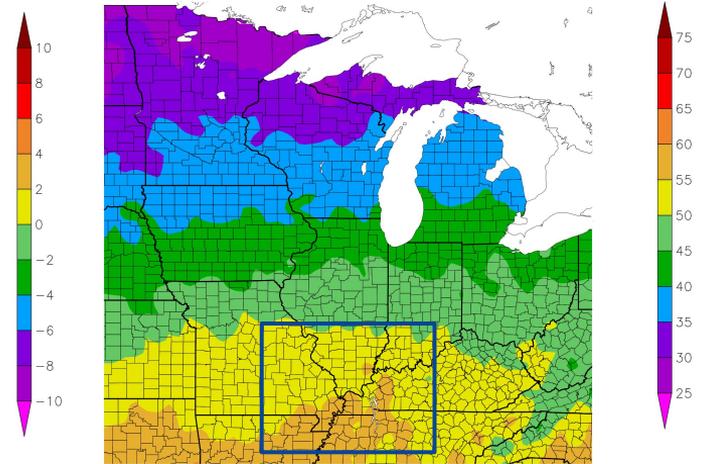
- Warmer than normal temperatures have continued into spring. Much of the area is seeing average temperatures 2 to 6 degrees warmer than normal.

Departure from Normal Temperature (F)
3/13/2024 - 4/11/2024



Generated 4/12/2024 at HPRCC using provisional data.

Temperature (F)
3/13/2024 - 4/11/2024



NOAA Regional Climate Centers ⁰²⁴ 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 well underway. 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 earlier this week helped to increase streamflows across mainly Illinois and Indiana. Missouri and Kentucky saw below normal flows on many smaller rivers.

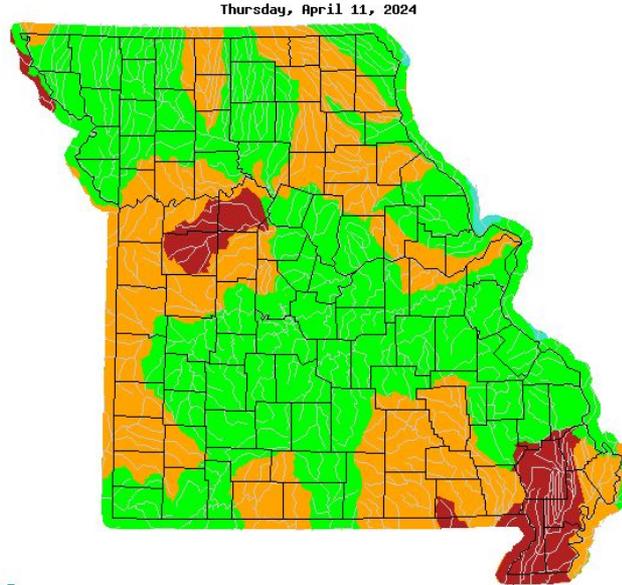
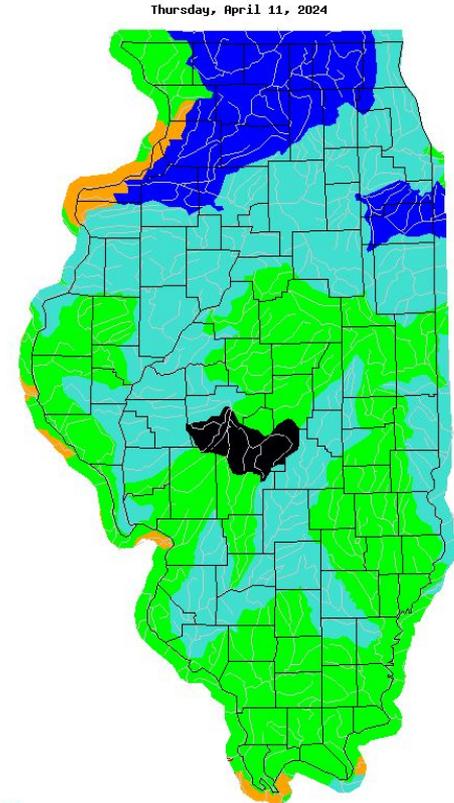


Image Caption: USGS 7 day average streamflow HUC map





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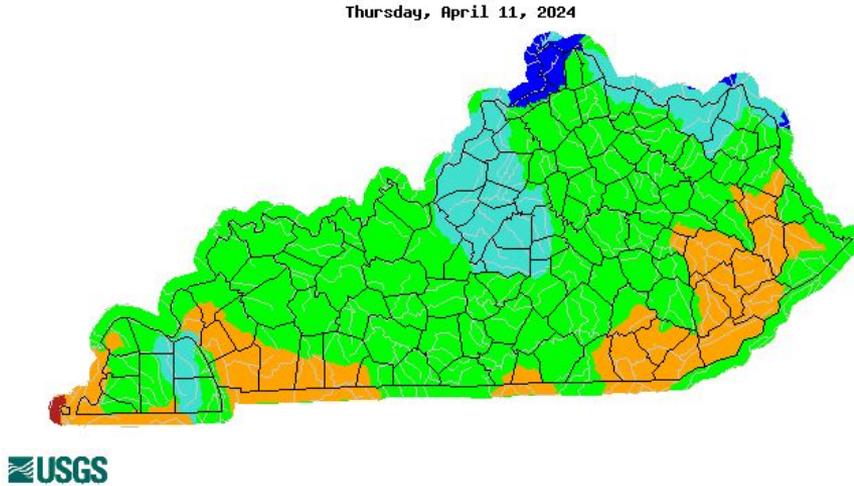
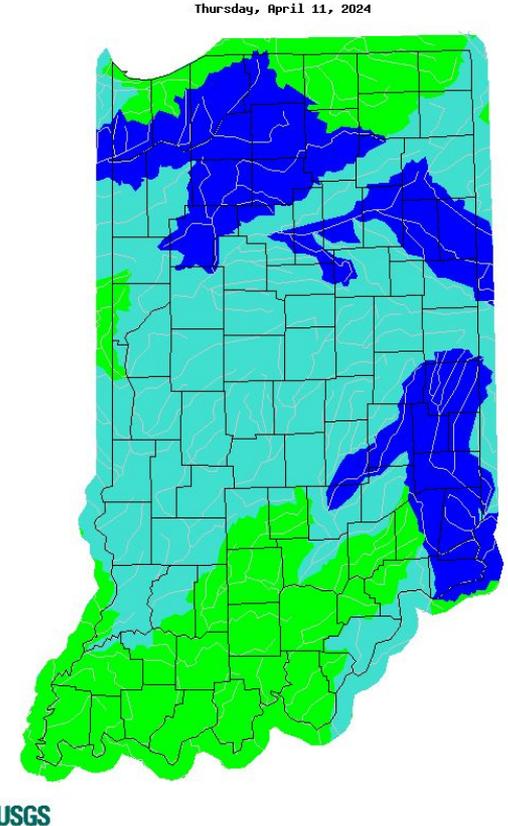


Image Caption: USGS 7 day average streamflow HUC map

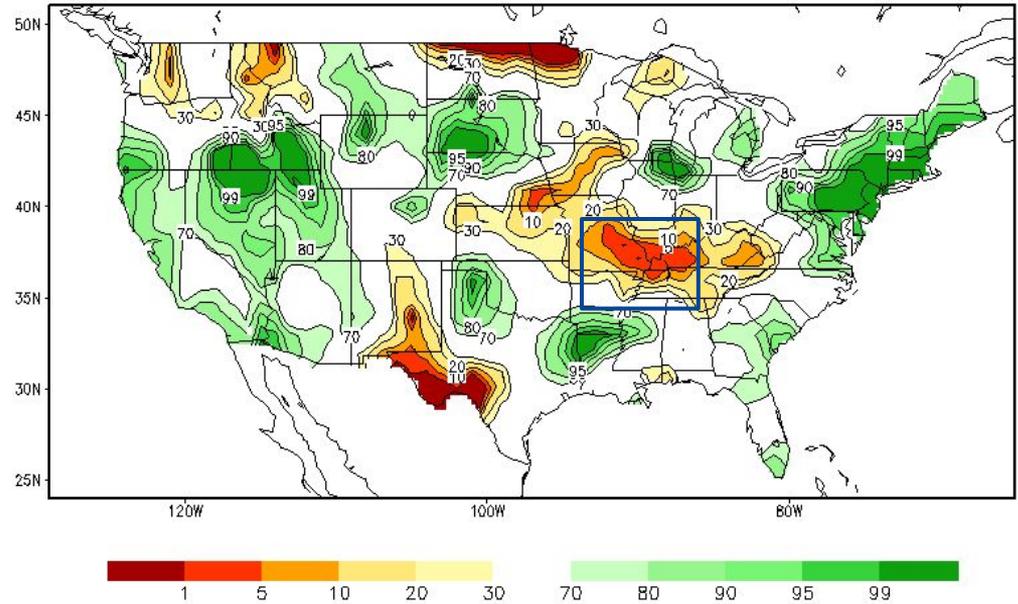




Agricultural Impacts

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

Calculated Soil Moisture Ranking Percentile
APR 11, 2024

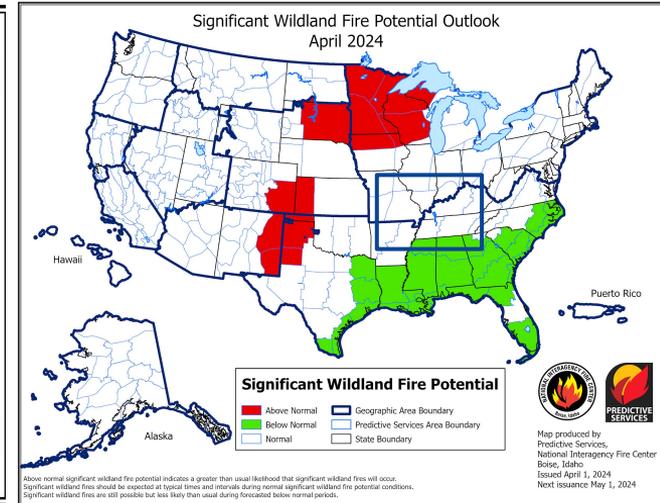
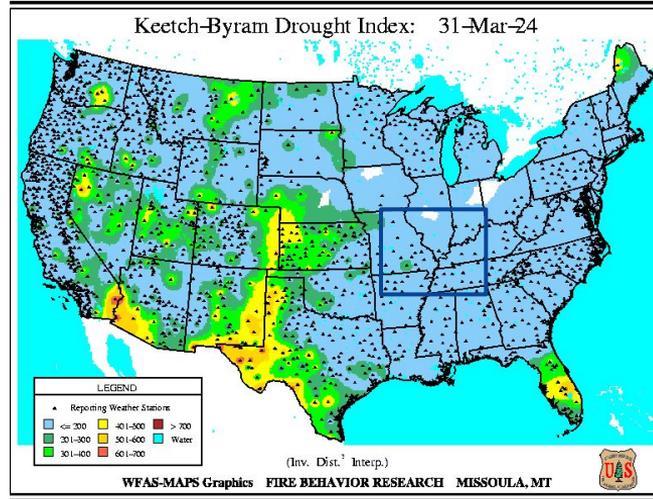




Fire Hazard Impacts

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](#)

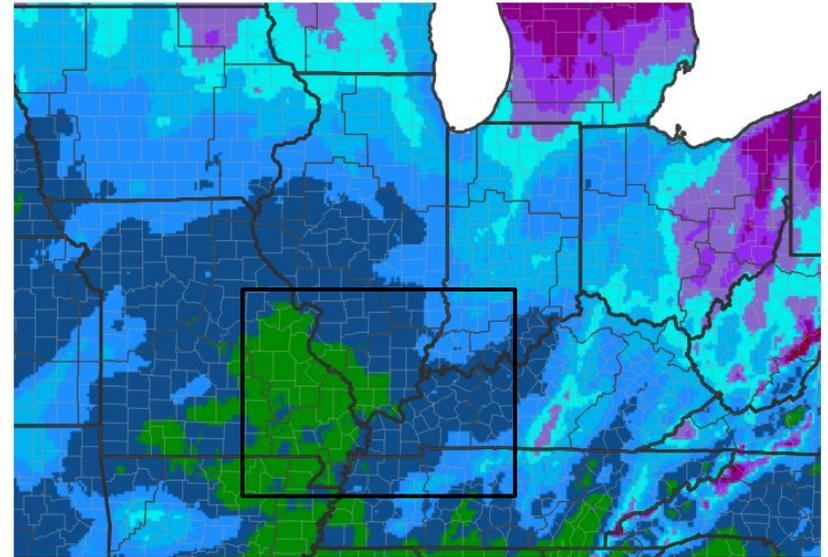




Seven Day Precipitation Forecast

- The weekend is expected to be dry with warming temperatures. Much of the area could see highs in the 80s by Sunday. Warm weather is expected into much of next week as well.
- A couple of storm systems will bring chances for showers and thunderstorms to the region on Tuesday and again on Thursday. Up to an inch is expected however there could be some isolated high amounts with stronger storms.

7-Day Quantitative Precipitation Forecast



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

Data Valid: 04/11/24





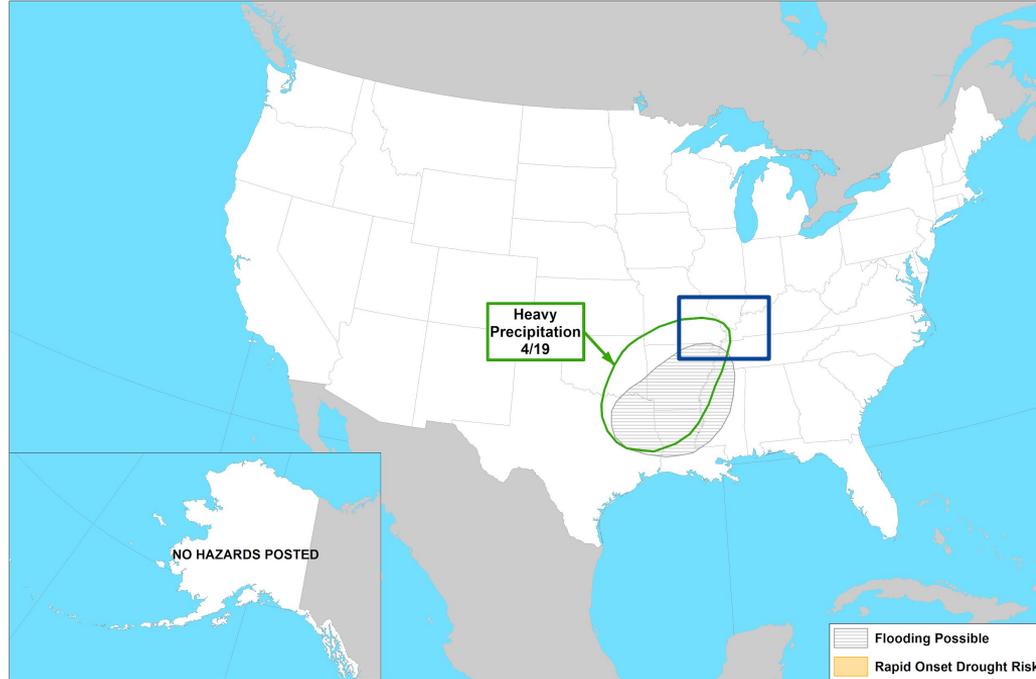
Rapid Onset Drought Outlook

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

- After a warm and dry weekend, a couple of storm systems are expected next week that could produce locally heavy rainfall.
- At this time, we are primarily looking at the Tuesday and Thursday timeframes.



Day 8-14 U.S. Hazards Outlook
Valid: 04/19/2024-04/25/2024



Climate Prediction Center
Made: 04/11/2024 3PM EDT

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

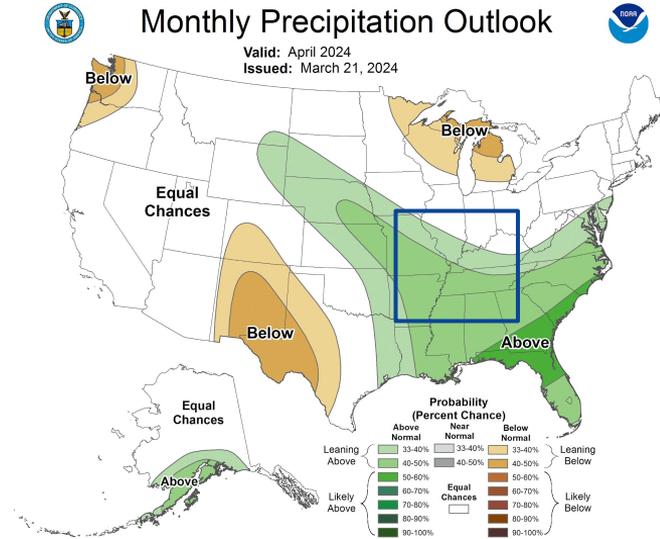
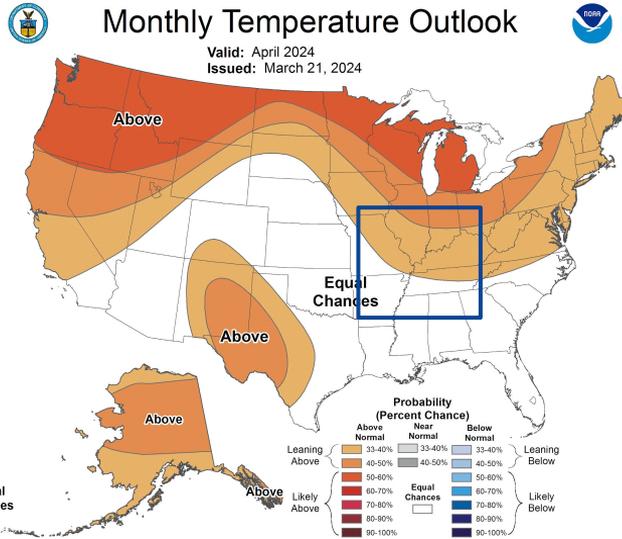




Long-Range Outlooks

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

- The warmer than normal pattern will continue through April.
- An active storm pattern will keep periodic chances for showers and storms through much of the rest of the month.



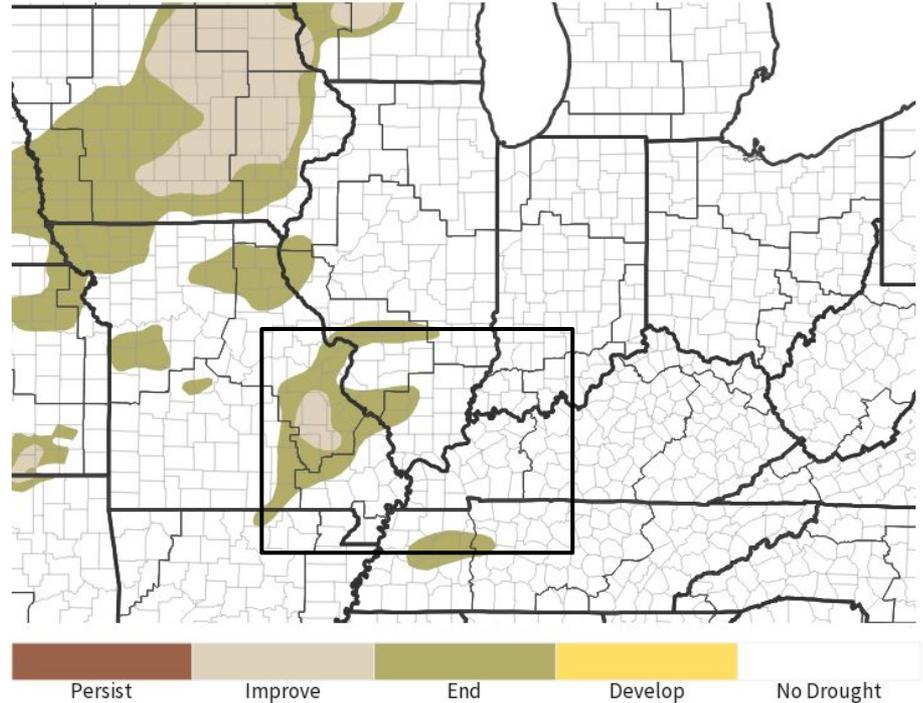


Drought Outlook

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



Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)

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

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