



Drought Information Statement for the Quad State Region

Valid April 19, 2024

Issued By: WFO Paducah, Kentucky

Contact Information: nws.paducah@noaa.gov

- This product will be updated around April 25, 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 helped to 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.



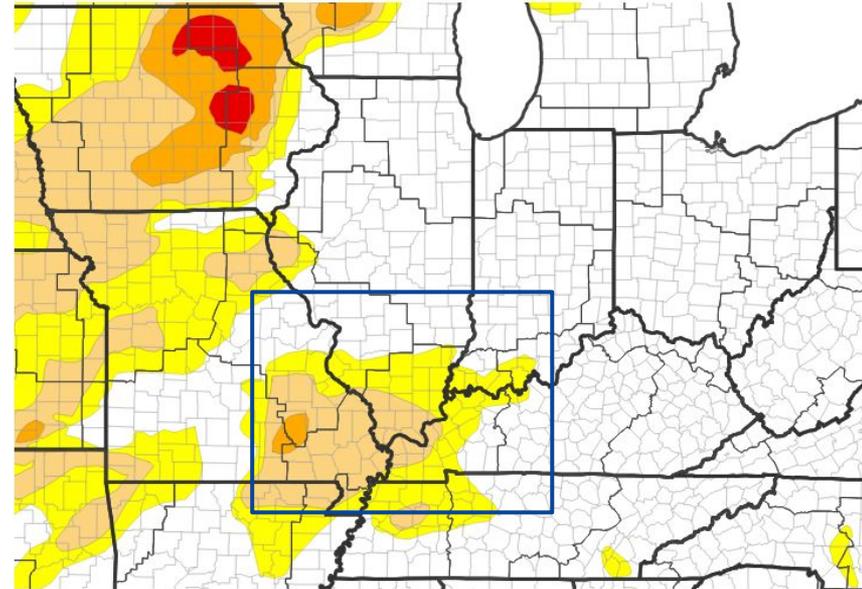


U.S. Drought Monitor

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 County in southeast Missouri along the Ozark Foothills
 - **D1 (Moderate Drought)**: Covers about 44% 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



U.S. Drought Monitor



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

Data Valid: 04/16/24

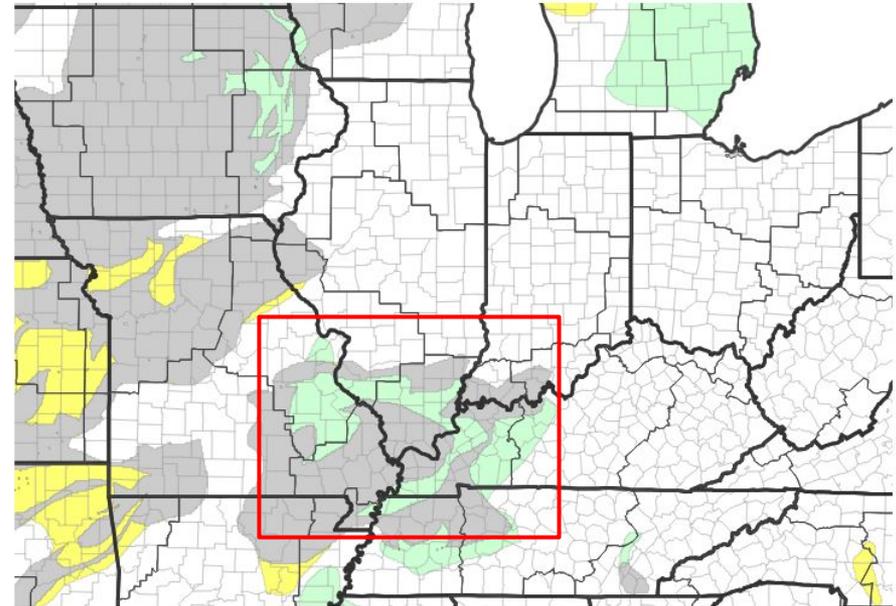




Recent Change in Drought Intensity

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
 - Drought Worsened: None



Drought Change Since Last Week

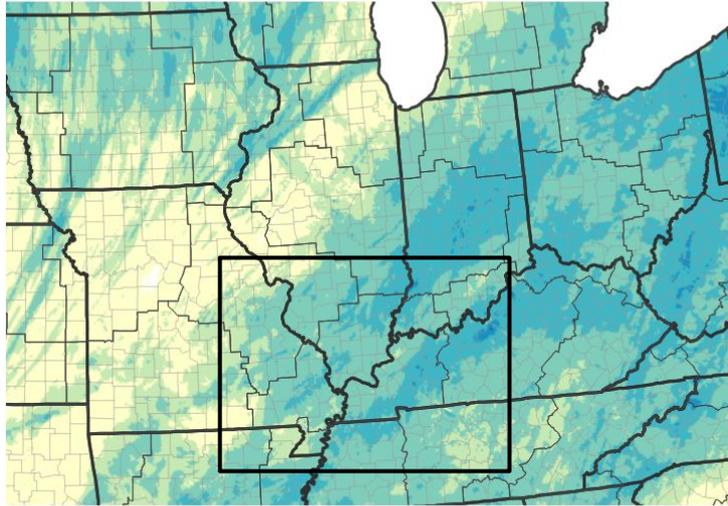




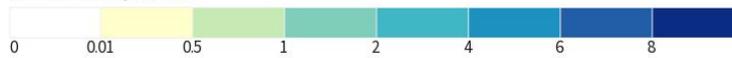
Precipitation

- Two swaths of heavier rain fell across the area over the last week. The southeastern third of the region picked up as much as 2 to 3 inches of rain in some locations.

7-Day Precipitation Accumulations (Inches)



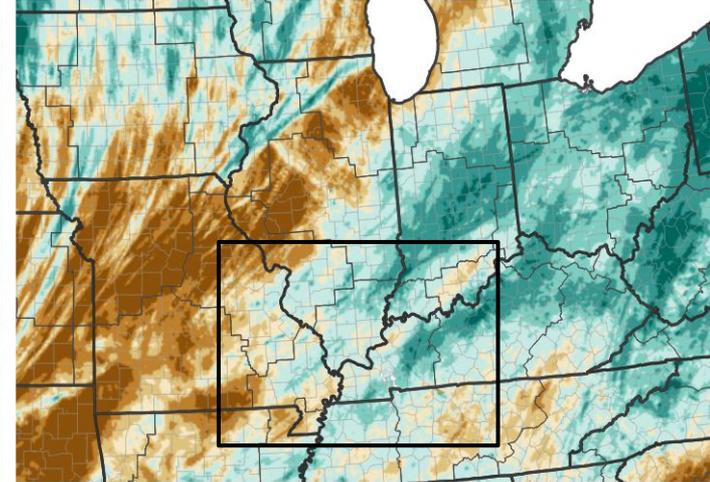
Inches of Precipitation



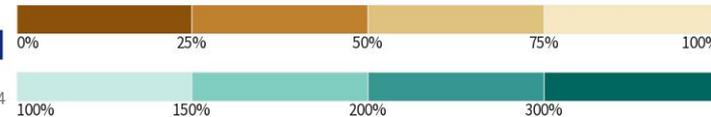
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 04/18/24

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: 04/18/24



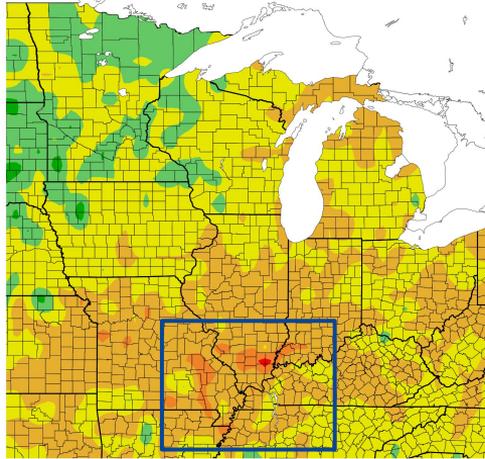


Temperature

Last 30 Day Average and Departure

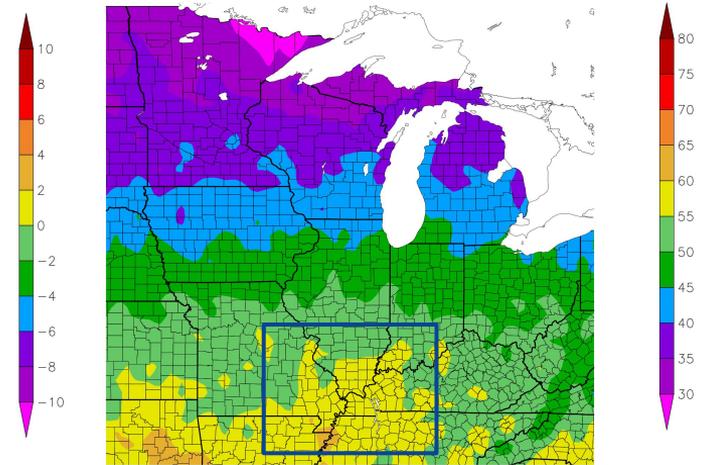
- Warmer than normal temperatures have continued into spring. Much of the area is seeing average temperatures 2 to 6 degrees warmer than normal.

Departure from Normal Temperature (F)
3/19/2024 – 4/17/2024



Generated 4/18/2024 at HPRCC using provisional data.

Temperature (F)
3/19/2024 – 4/17/2024



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 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 has helped to improve streamflow conditions across the region.

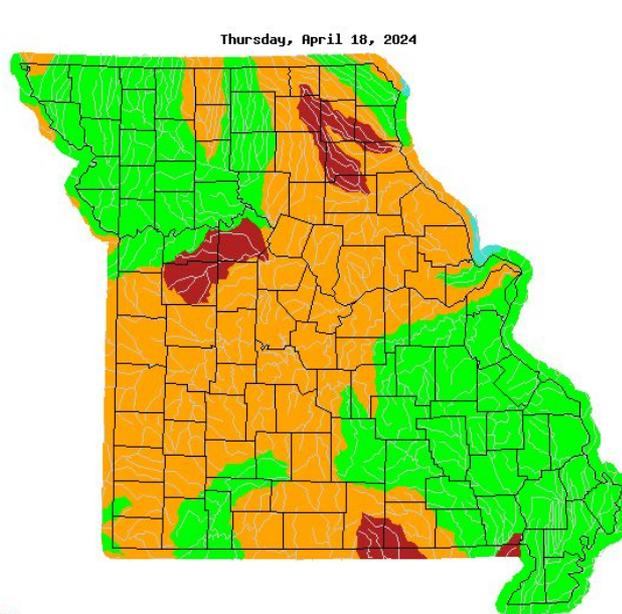
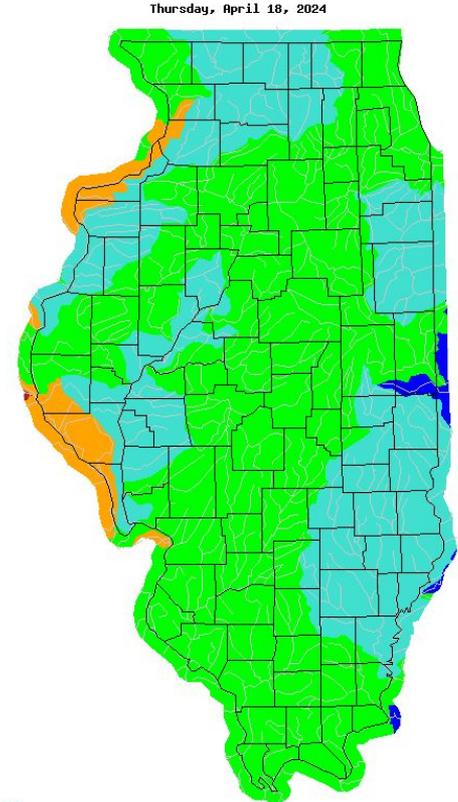


Image Caption: USGS 7 day average streamflow HUC map





Hydrologic Conditions and Impacts

- Rainfall has helped to improve streamflow conditions across the region.

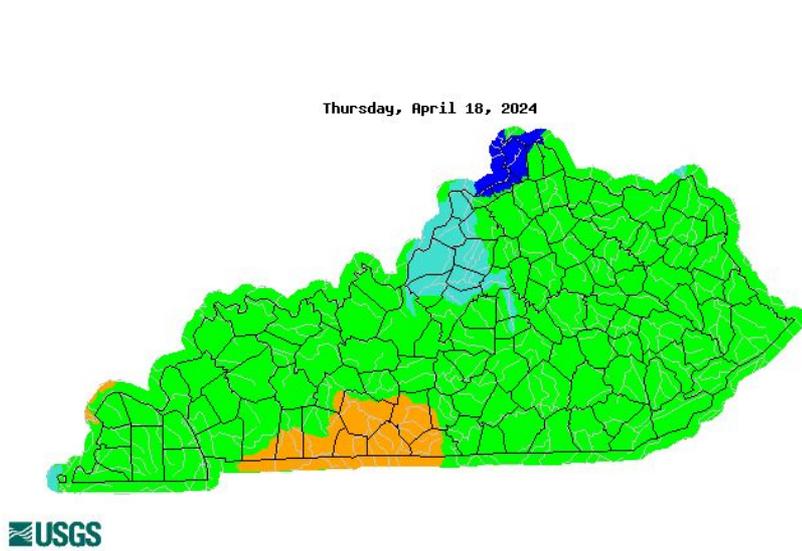
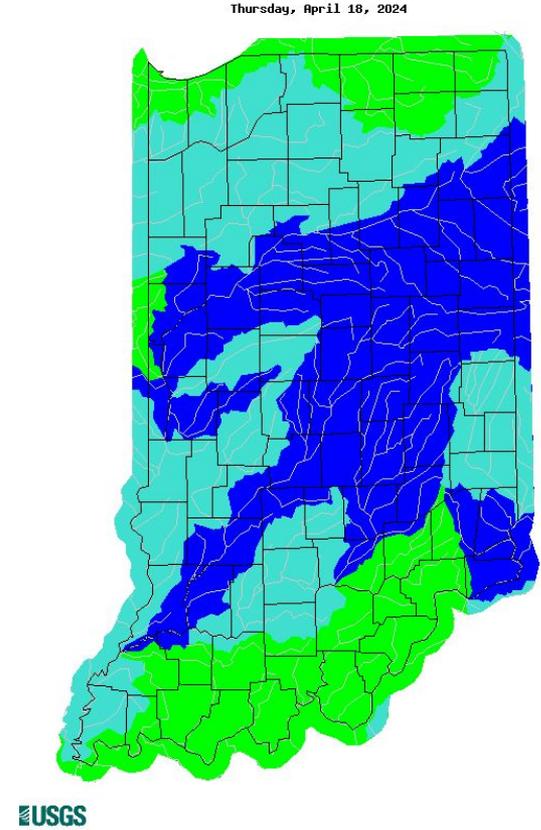


Image Caption: USGS 7 day average streamflow HUC map

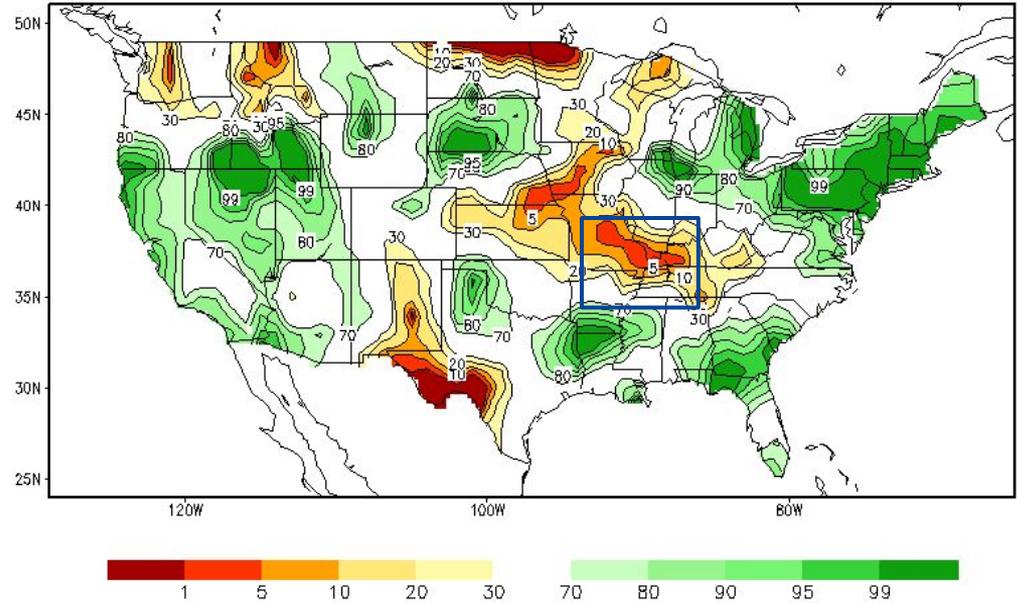




Agricultural Impacts

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

Calculated Soil Moisture Ranking Percentile
APR 14, 2024

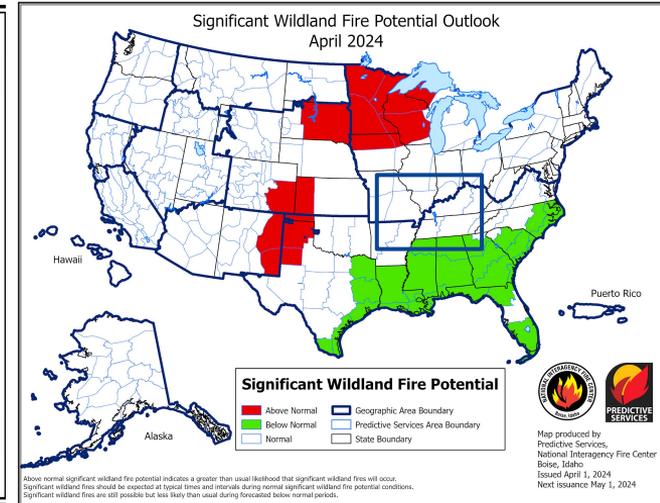
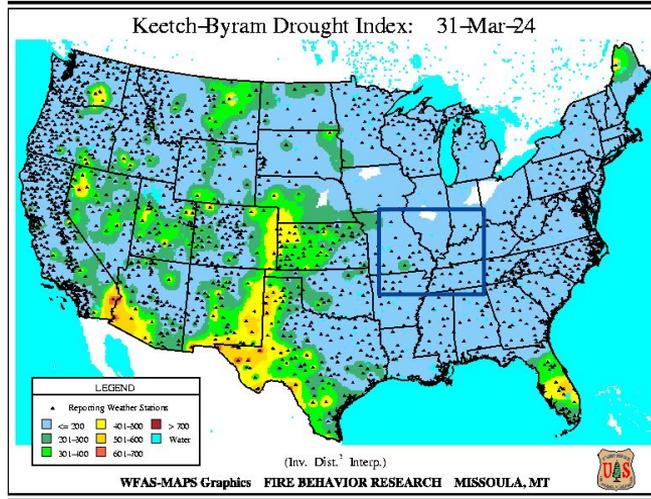




Fire Hazard Impacts

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](#)

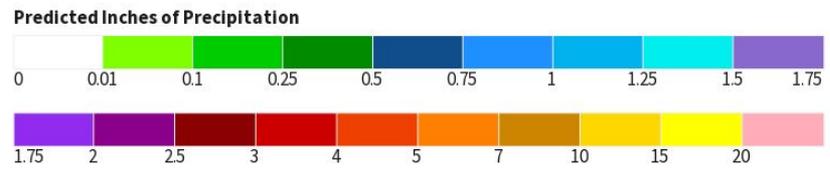
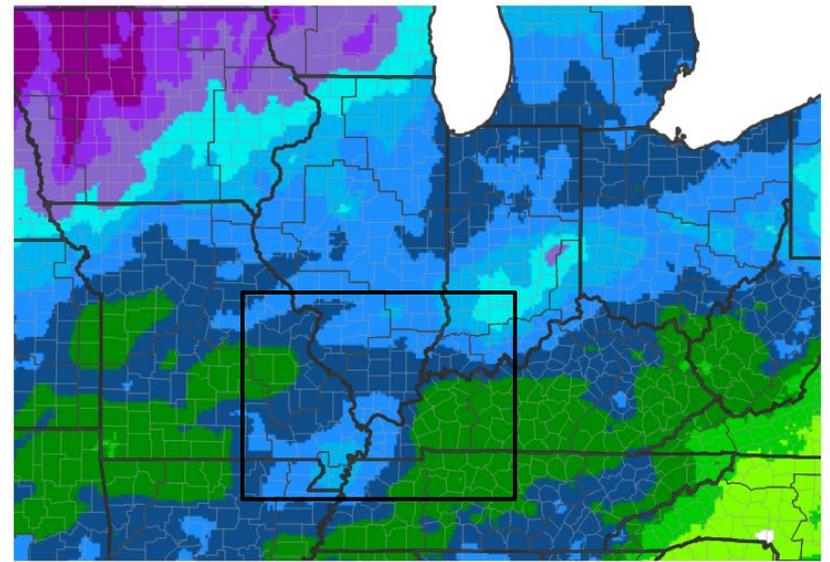




Seven Day Precipitation Forecast

- The weekend is expected to be cool and dry with highs in the 60s and lows in the 40s. Some northern parts of the area could see scattered frost Sunday and/or Monday morning.
- 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: 04/18/24



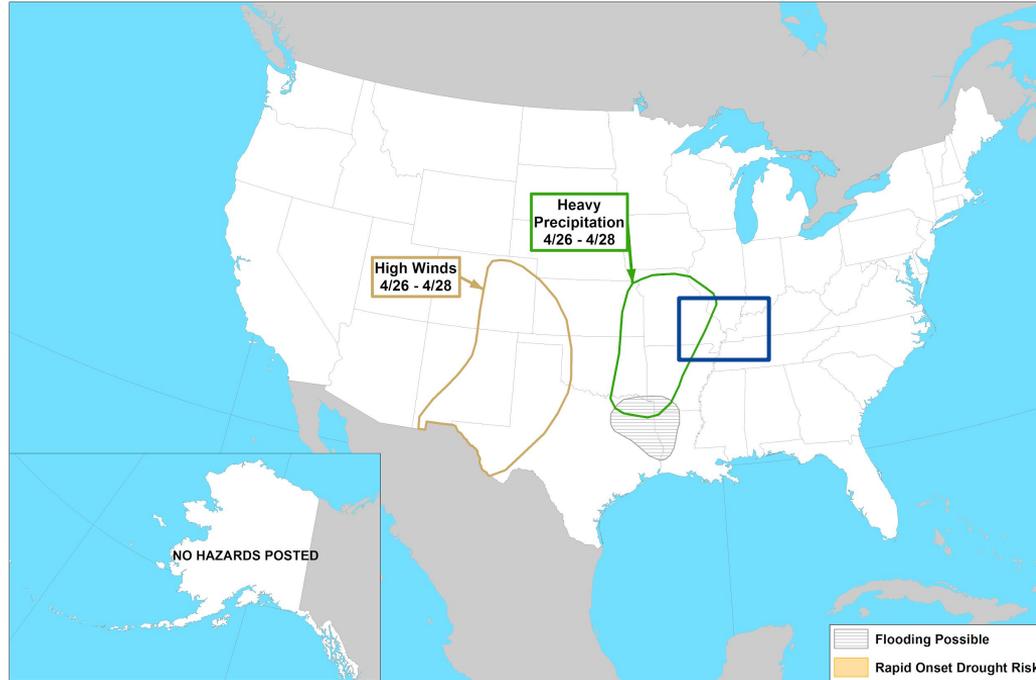
Rapid Onset Drought Outlook

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 mainly to our west but it is early in the forecast and this may change as we get closer to the event.
- At this time, we are primarily looking at the event Thursday and Thursday night timeframes.



Day 8-14 U.S. Hazards Outlook
Valid: 04/26/2024-05/02/2024



Climate Prediction Center
Made: 04/18/2024 3PM EDT

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

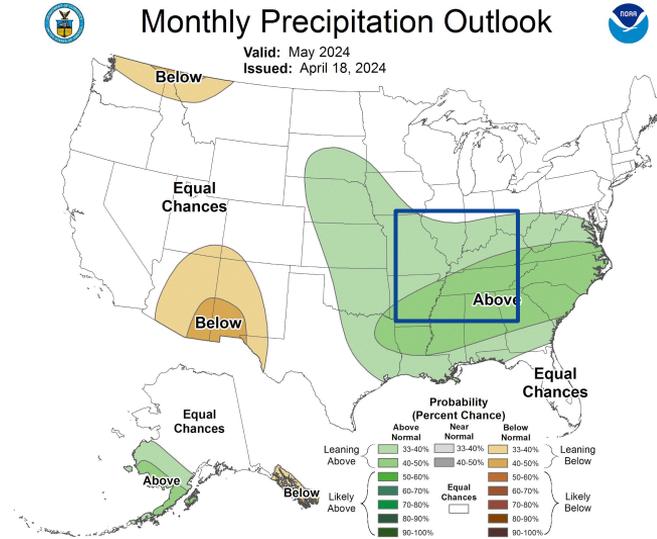
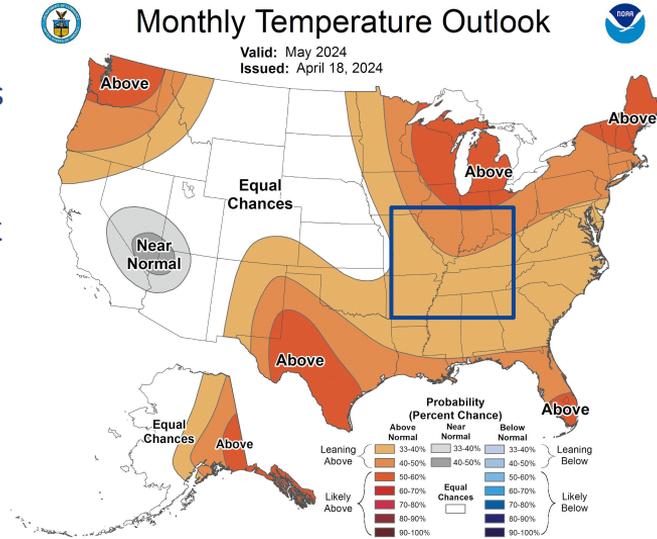




Long-Range Outlooks

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.



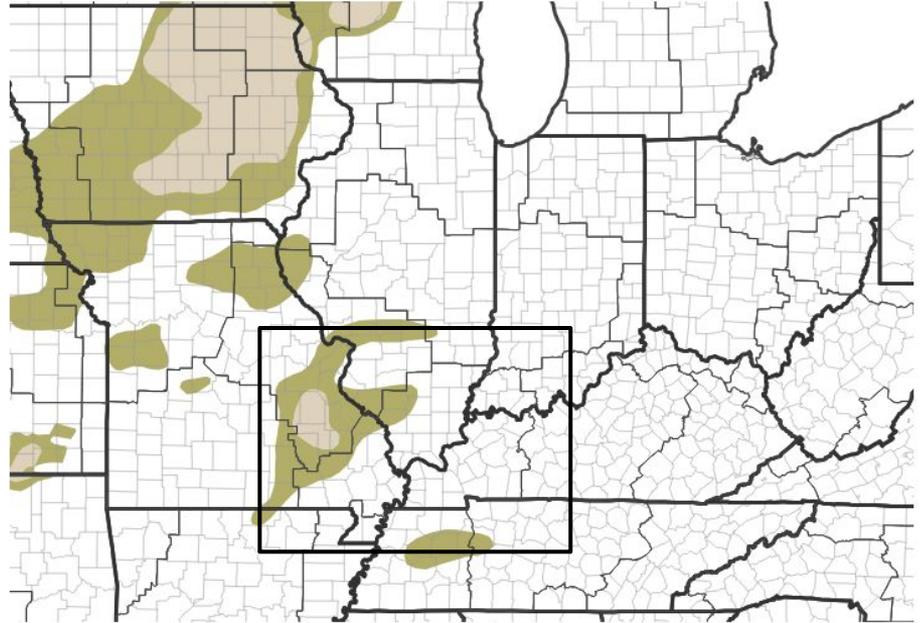


Drought Outlook

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: 04/18/24

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