



Drought Information Statement for the Middle Ohio River Valley

Valid September 6, 2024

Issued By: NWS Wilmington Ohio

Contact Information: spotreport.iln@noaa.gov

- This product will be updated October 6, 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/ILN/DroughtInformationStatement> for previous statements.

- Drought conditions now cover nearly all of the mid Ohio Valley.
- Exceptional drought now into areas of southern Ohio, with extreme drought also expanding.



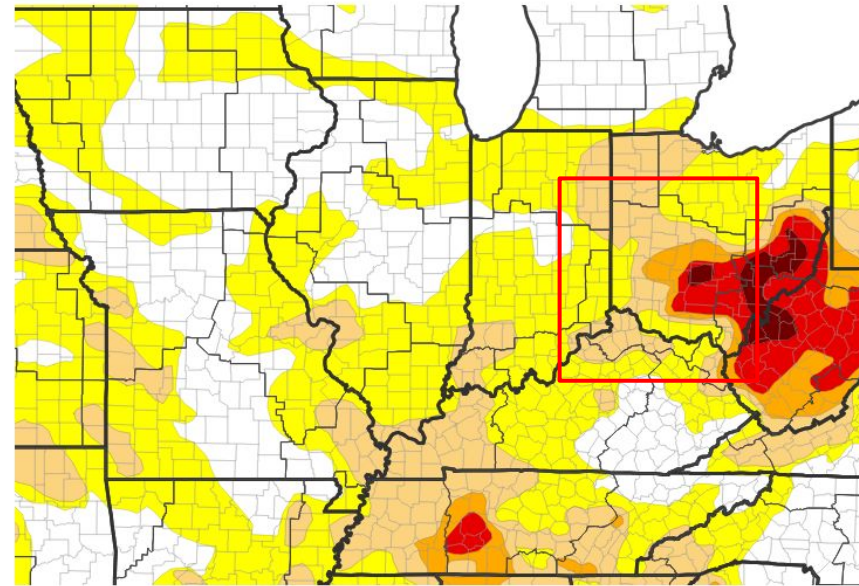


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for Lower Midwest

- Drought intensity and Extent
 - **D4 (Exceptional Drought)**: Portions of the middle Scioto Valley and southeast Ohio
 - **D3 (Extreme Drought)**: Through much of the lower/middle Scioto Valley and southeast Ohio
 - **D2 (Severe Drought)**: Portions of west central, central and southern Ohio
 - **D1 (Moderate Drought)**: Through much of western/central/southern Ohio and spotty locations near the Ohio River
 - **D0: (Abnormally Dry)**: Through much of eastern Indiana, north central Ohio, and along the Ohio River

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 09/03/24

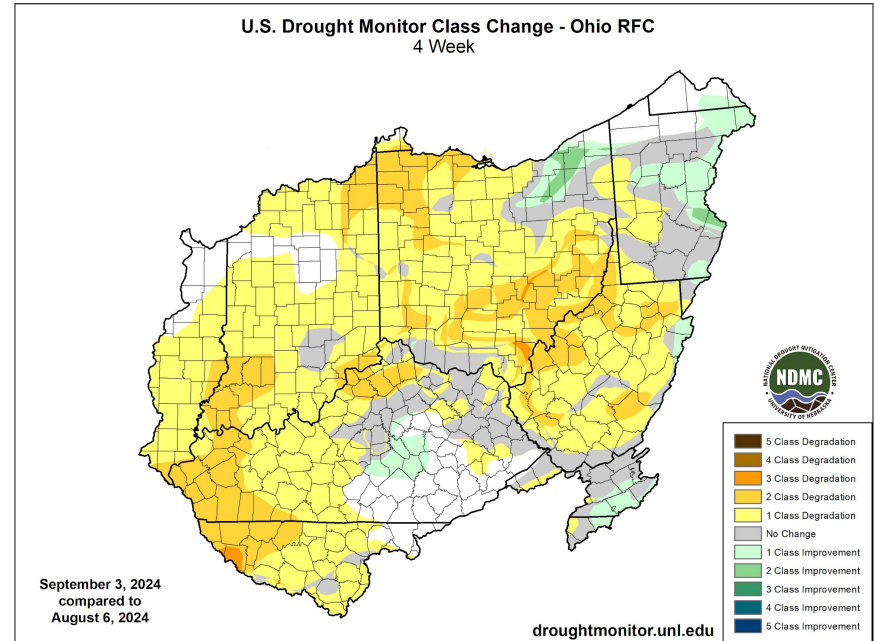




Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for Ohio River Valley

- Four Week Drought Monitor Class Change.
 - **Drought Worsened:** Much of Ohio, as well as portions of northern Kentucky and southeast Indiana
 - **No Change:** Along the Ohio River on Ohio/Kentucky border
 - **Drought Improved:** No areas of improvement



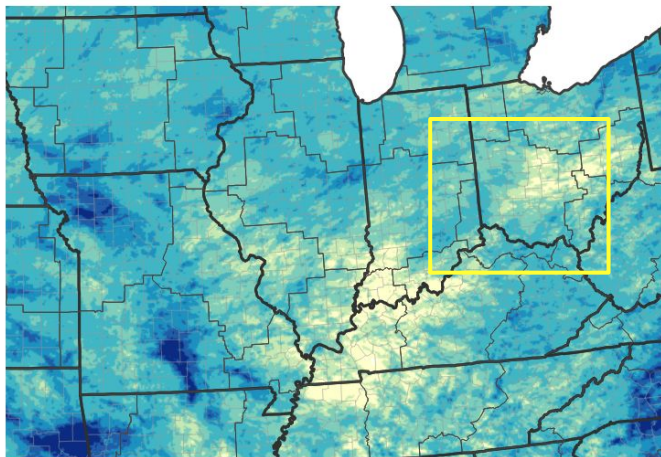


Precipitation Accumulations and Percent of Normal

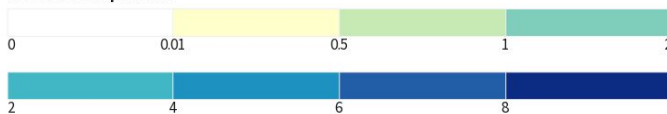
For more information, see <https://www.drought.gov/topics/temperature-precipitation>

- While isolated areas have trended toward normal precipitation over the past 30 days, the vast majority of the area has received from 5% to 50% of normal rainfall.

30-Day Precipitation Accumulations (Inches)

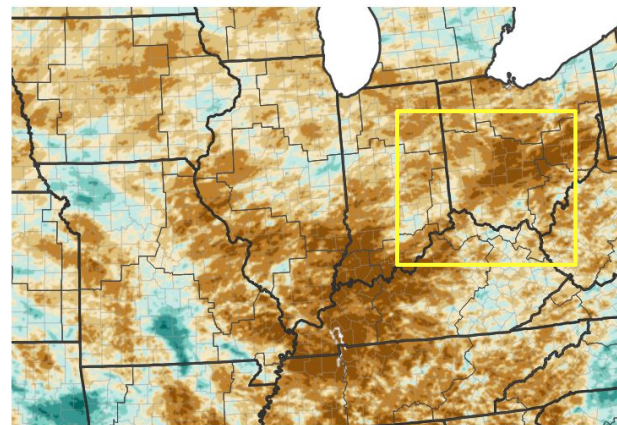


Inches of Precipitation

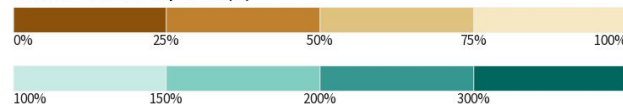


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 09/06/24
image courtesy of Drought.gov

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 09/06/24
image courtesy of Drought.gov

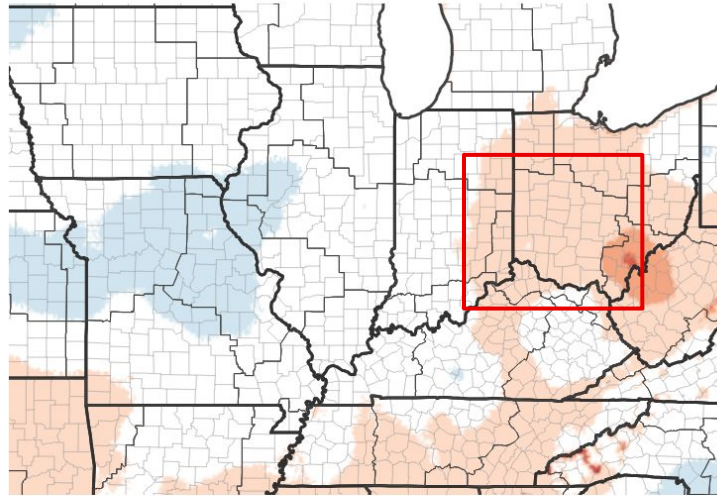




Temperature

- Both the 30 day and 7 day temperature anomalies depict above normal temperatures across at least portions of the mid Ohio Valley.
- The combination of well below normal rainfall and anomalously high temperatures are quickly ramping up drought conditions.

30-Day Temperature Anomaly



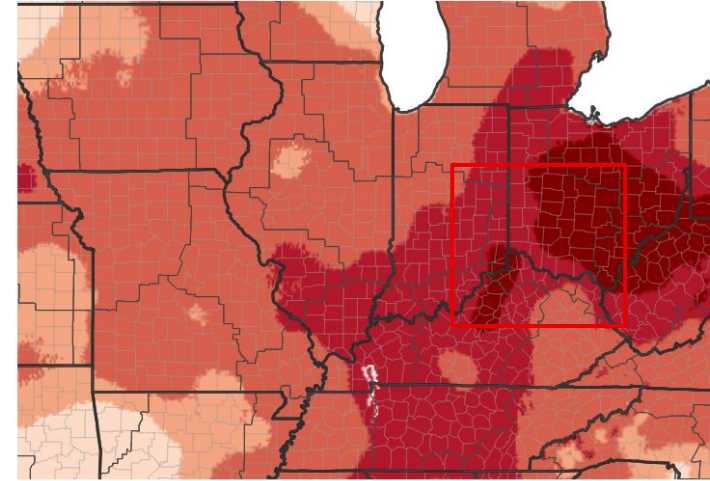
Departure from Normal Max Temperature (°F)



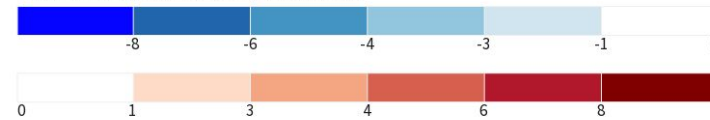
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 09/02/24

7-Day Temperature Anomaly



Departure from Normal Max Temperature (°F)



Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 09/02/24





Summary of Impacts

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

Hydrologic Impacts

- Below normal streamflow has been persistent, and in some cases worsening, across the mid Ohio Valley.
- Springs have stopped running and creeks are drying up

State Climate office of Ohio

Agricultural Impacts

- Drought of 2024 leads to disaster declaration for 22 Ohio Counties *Ohio Country Journal*
- Pasture and range conditions continue to suffer with only 46 percent rated as good or excellent. Operations are relying on hay to supplement feeding. Many pastures are seeing little to no regrowth.

Kentucky Crop Weather

- [Ohio Crop Weather Report](#), [Indiana Crop Weather Report](#), [Kentucky Crop Weather Report](#)
- [Ohio Country Journal](#) [State Climate Office of Ohio](#)

Fire Hazard Impacts

- Easily sparked hay, field fires

Other Impacts

- There are no known impacts at this time.

Mitigation Actions

- Hauling water for hog and dairy operations. Some farmers are chopping corn for feed. *OSU Extension*





Hydrologic Conditions and Impacts

- Well below normal streamflow is affecting portions of middle/lower Scioto, and the Hocking and Licking basins of Ohio

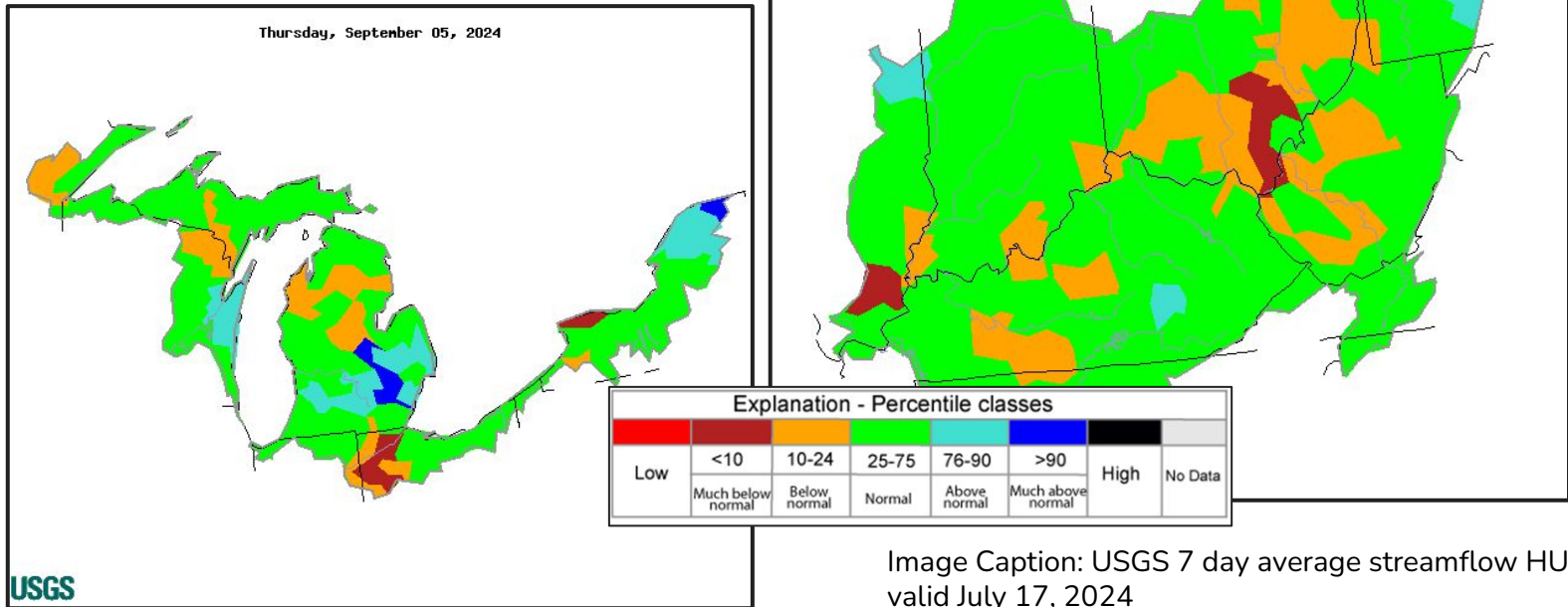


Image Caption: USGS 7 day average streamflow HUC map valid July 17, 2024

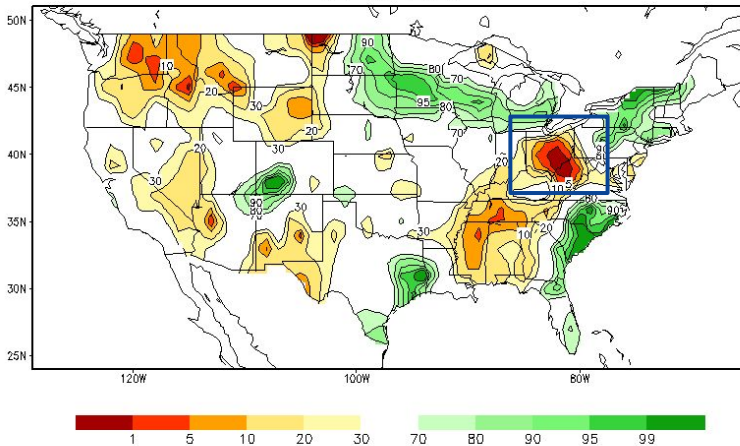




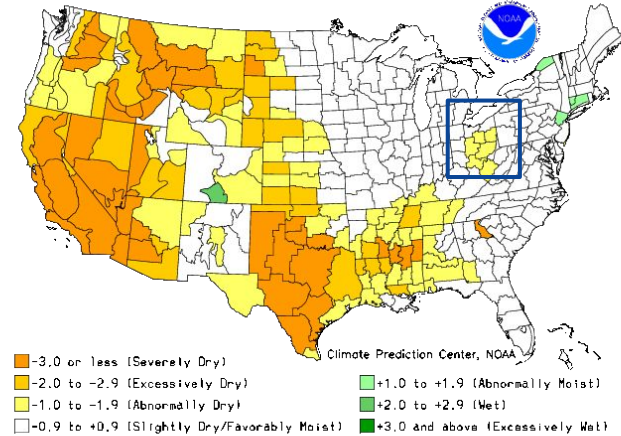
Agricultural Impacts

- Per Ohio State University Extension and Ohio Country Journal Reports:
 - Soil moisture remains well below normal
 - Declining levels in irrigation ponds/well have led to hauling of water for livestock, with hay crops suffering/causing farmers to turn to alternative feed
 - Crop yield loss reports through much of southern Ohio
 - The USDA Farm Service Agency have declared 22 Ohio counties a Primary Natural Disaster Area

Calculated Soil Moisture Ranking Percentile
SEP 05, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending AUG 31, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile

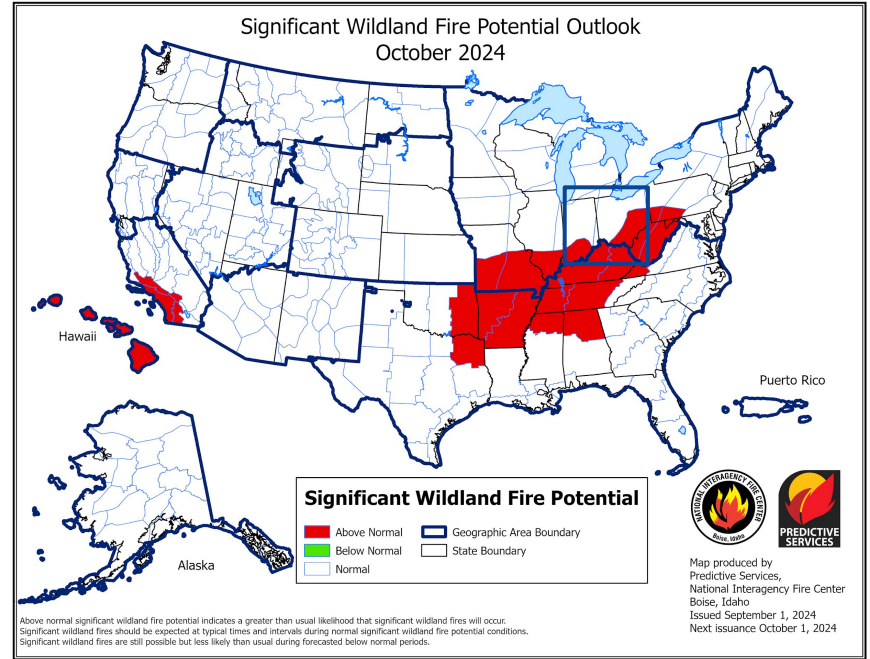
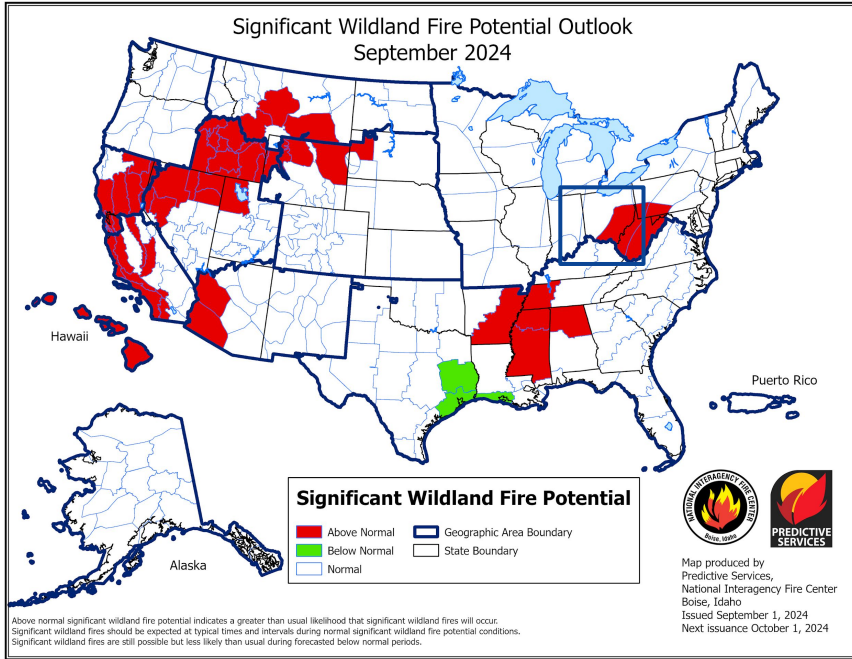




Fire Hazard Impacts

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

- Due to ongoing drought and continued hot and dry conditions, above normal fire potential is forecast for September and October across the middle Ohio Valley
National Interagency Coordination Center Significant Fire Potential Outlook



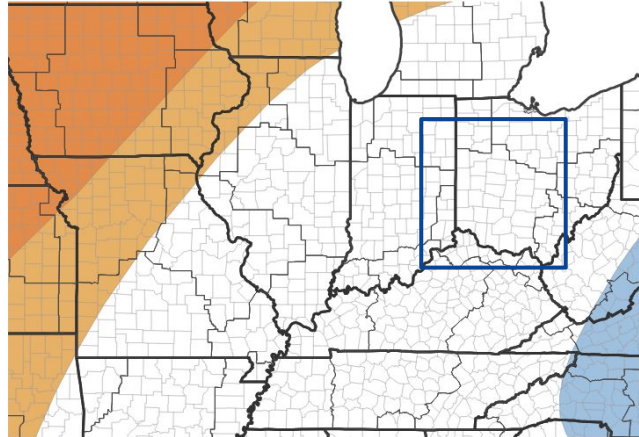


Long-Range Outlooks

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

- Summarize conditions/impacts here

Monthly Temperature Outlook for September 1, 2024-September 30, 2024



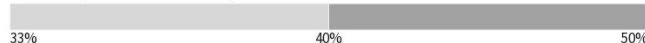
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



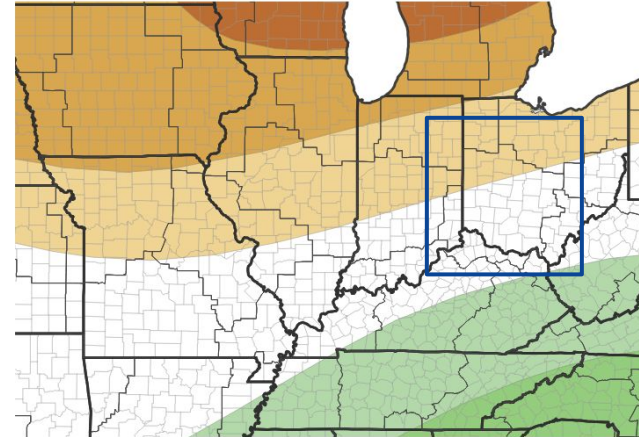
Probability of Near-Normal Temperatures



Source: Climate Prediction Center, image courtesy of Drought.gov

Last Updated: 09/31/24

Monthly Precipitation Outlook for September 1, 2024-September 30, 2024



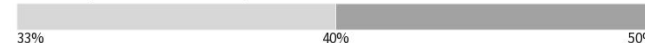
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation



Source: Climate Prediction Center, image courtesy of Drought.gov

Last Updated: 09/31/24



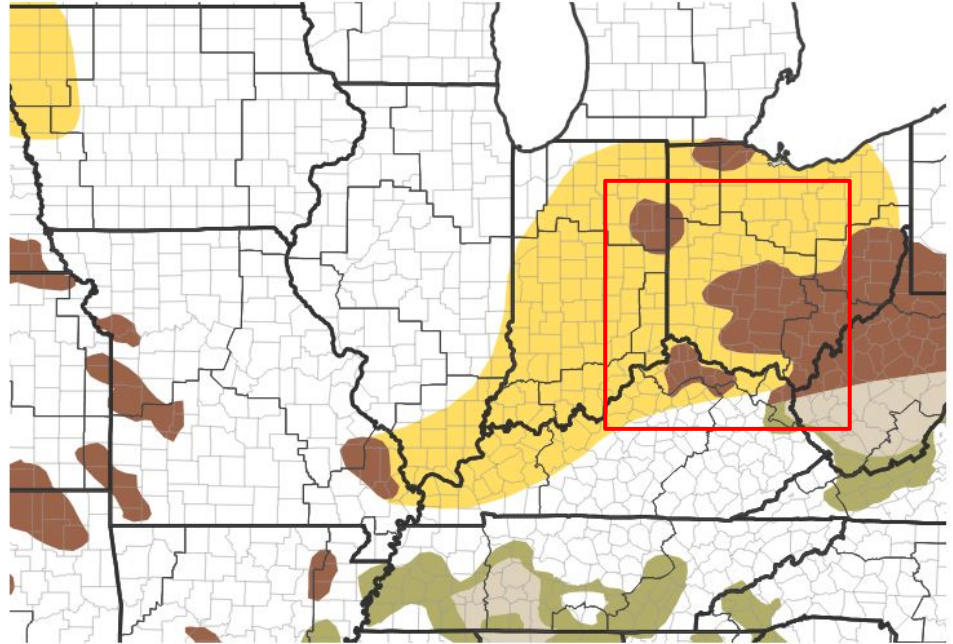


Drought Outlook

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

- The 1-Month drought outlook depicted here was from August 31, 2024. A new outlook will be issued at the end of September.
- At the time of this issuance, precipitation is expected to be below normal for the period of September 11-15.
- The 8-14 day outlook for the period September 13-19 is for above normal temperatures and below normal precipitation.

1-Month Drought Outlook for September 1, 2024–September 30, 2024



Drought Is Predicted To...



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
Wilmington, OH