



Drought Information Statement for the Middle Ohio River Valley

Valid September 20, 2024

Issued By: NWS Wilmington Ohio

Contact Information: spotreport.iln@noaa.gov

- This product will be updated Oct 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/ILN/DroughtInformationStatement> for previous statements.

- Severe and extreme drought conditions continue to expand across the area
- Several chances of rainfall through the next week may help temper drought expansion, but significant improvements are not expected





U.S. Drought Monitor

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

U.S. Drought Monitor Wilmington, OH WFO

September 17, 2024
(Released Thursday, Sep. 19, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	96.69	67.27	28.18	3.48
Last Week 09-10-2024	0.00	100.00	89.62	47.92	17.47	3.41
3 Months Ago 06-18-2024	40.06	59.94	0.00	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	29.04	70.96	41.87	0.17	0.00	0.00
Start of Water Year 09-26-2023	0.00	100.00	46.71	0.00	0.00	0.00
One Year Ago 09-19-2023	10.97	89.03	0.00	0.00	0.00	0.00

Intensity:

	None		D2 Severe Drought
	D0 Abnormally Dry		D3 Extreme Drought
	D1 Moderate Drought		D4 Exceptional Drought

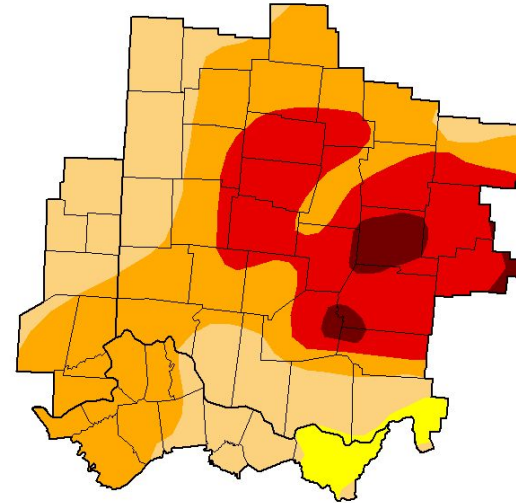
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Rippey
U.S. Department of Agriculture



droughtmonitor.unl.edu



Drought intensity and Extent

- **D4 (Exceptional Drought):** Persists across portions of the Lower Scioto/Hocking basins
- **D3 (Extreme Drought):** Expanded across portions of the Miami Valley and North-Central Ohio
- **D2 (Severe Drought):** Expanded farther through Ohio and into areas of Northern Kentucky and Southeast Indiana
- **D1 (Moderate Drought):** Expanded across portion of the Ohio River where D0 was located
- **D0: (Abnormally Dry):** Limited to a small portion of the region near the Ohio River



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

National Weather Service
Wilmington, OH

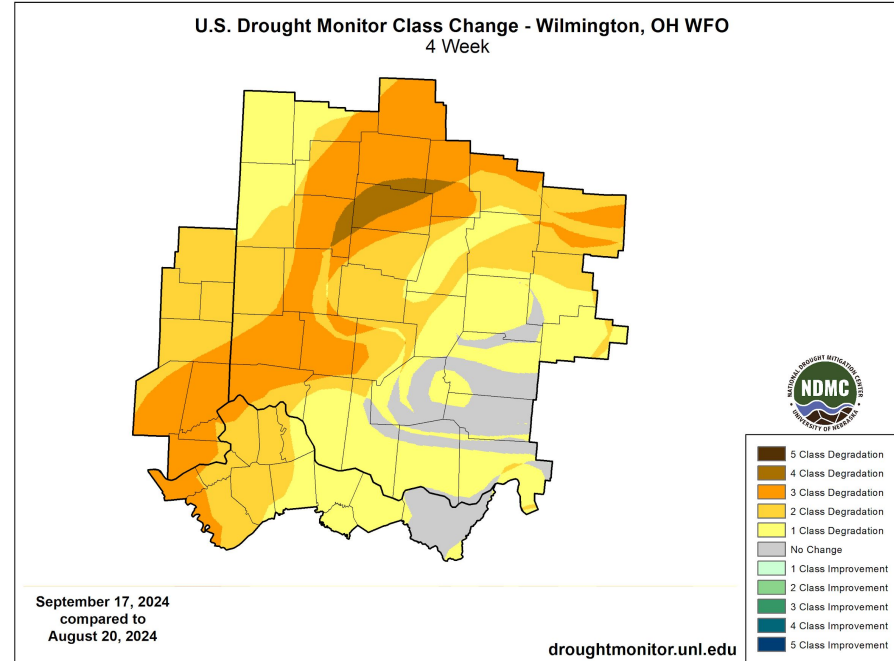


Recent Change in Drought Intensity

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

Four Week Drought Monitor Class Change.

- **Drought Worsened:** Nearly the entire region has worsened since mid August.
- **No Change:** Isolated regions where drought is already extreme or where some rain has prevented introduction of drought
- **Drought Improved:** No locations have experienced improvement in drought classification

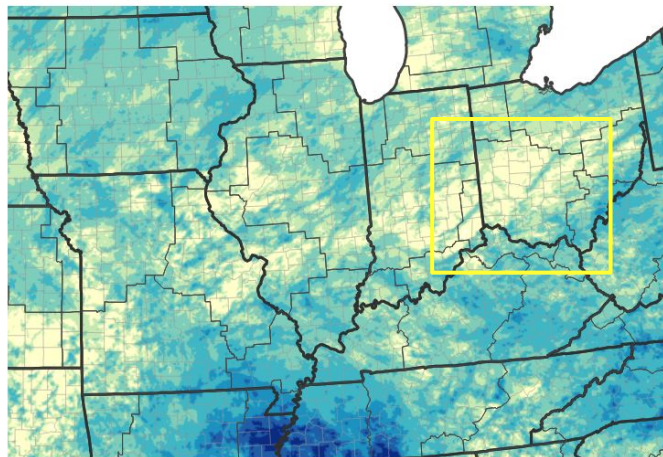




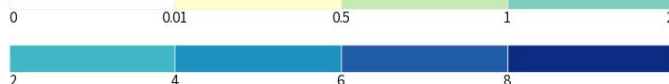
Precipitation Accumulations and Percent of Normal

- Well below normal precipitation has affected nearly the entire region - with most locations receiving just 5% to 50% of normal rainfall.

30-Day Precipitation Accumulations (Inches)

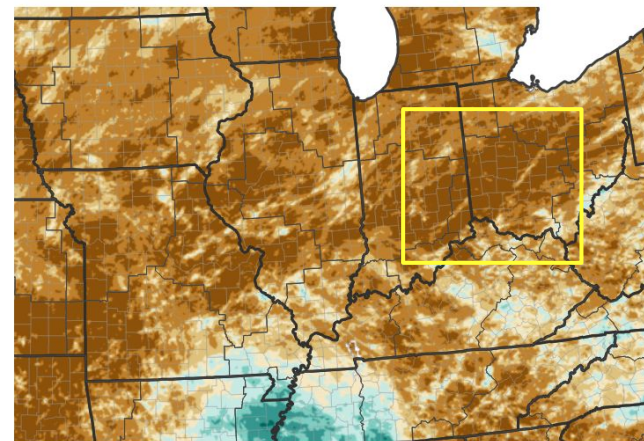


Inches of Precipitation



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 09/19/24
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: 09/19/24
image courtesy of Drought.gov



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
- Some lakes retreating toward winter pools without water releases initiated

State Climate office of Ohio

Agricultural Impacts

- Early harvesting
- Drought of 2024 leads to disaster declaration for 22 Ohio Counties *Ohio Country Journal*
- Late planted corn and soybeans are being impacted by drought conditions. Pastures are in dire need of rain and many producers have begun feeding hay. *Kentucky DOW Drought report*
- [Ohio Crop Weather Report](#), [Indiana Crop Weather Report](#), [Kentucky Crop Weather Report](#)
- [Ohio Country Journal](#) [State Climate Office of Ohio](#) [Kentucky Division of Water Drought Page](#)

Fire Hazard Impacts

- Easily sparked hay, field fires (numerous in Pickaway, Ross, and Champaign County)

Mitigation Actions

- Some localities have issued voluntary or mandatory water restrictions
- Hauling water for hog and dairy operations. Some farmers are chopping corn for feed. *OSU Extension*
- A Burn ban is in effect for some Ohio and Kentucky Counties





Hydrologic Conditions and Impacts

- Streamflow extremely low in some basins, as low as the 10th-25th percentile for mid September.
- Several U.S. Army Corps lakes are 1 to 7 feet below summer pool levels, with Paint Creek Lake at 7 feet below summer levels.

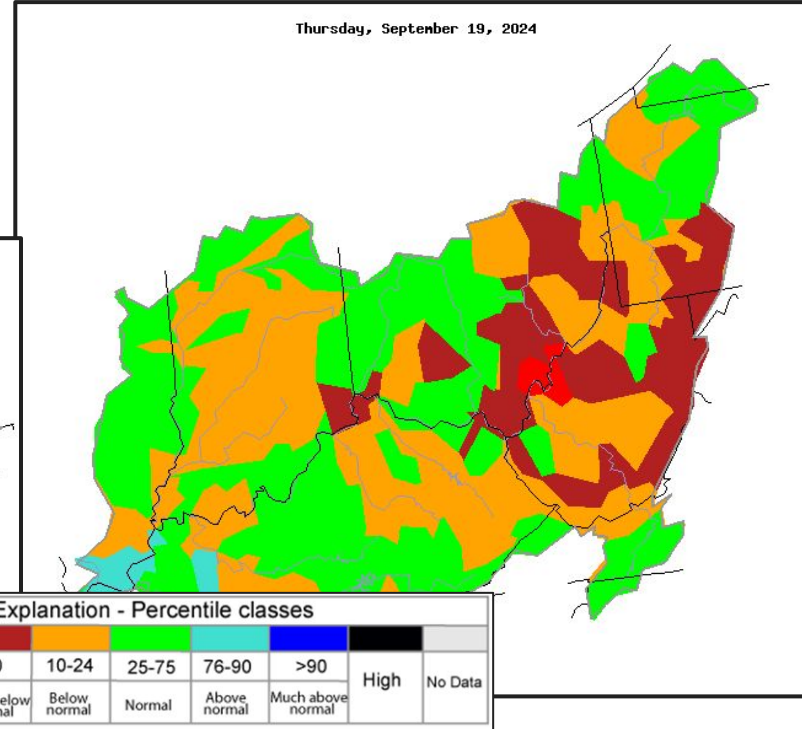
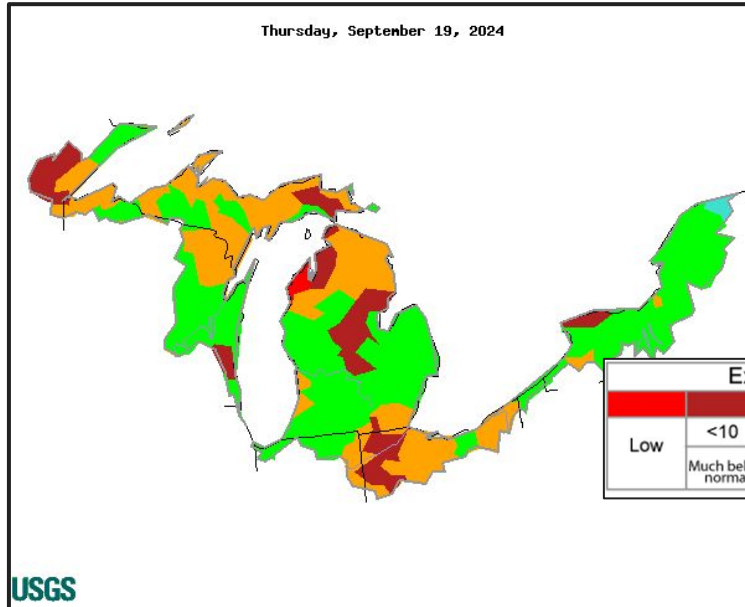


Image Caption: USGS 7 day average streamflow basin map valid September 19, 2024

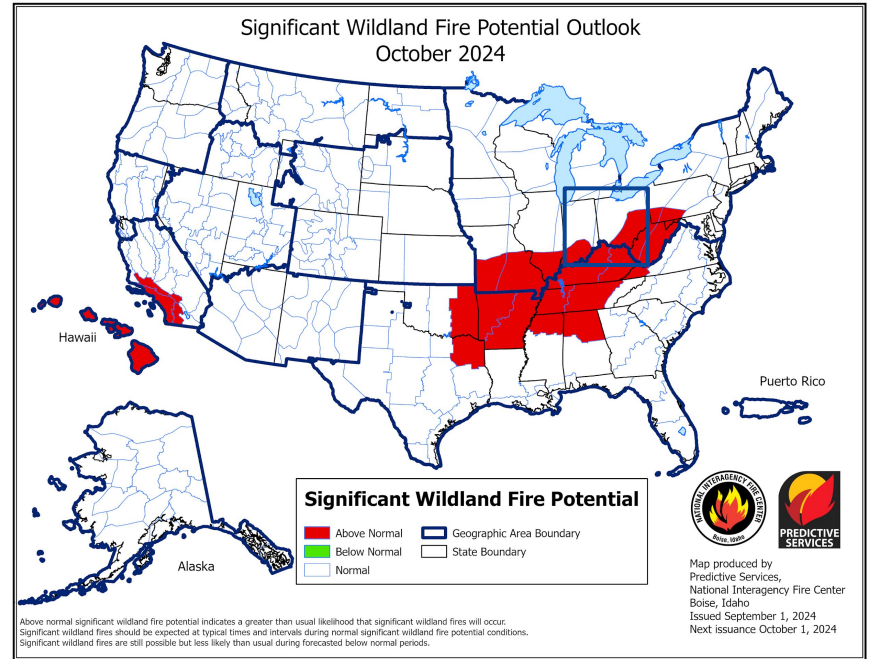
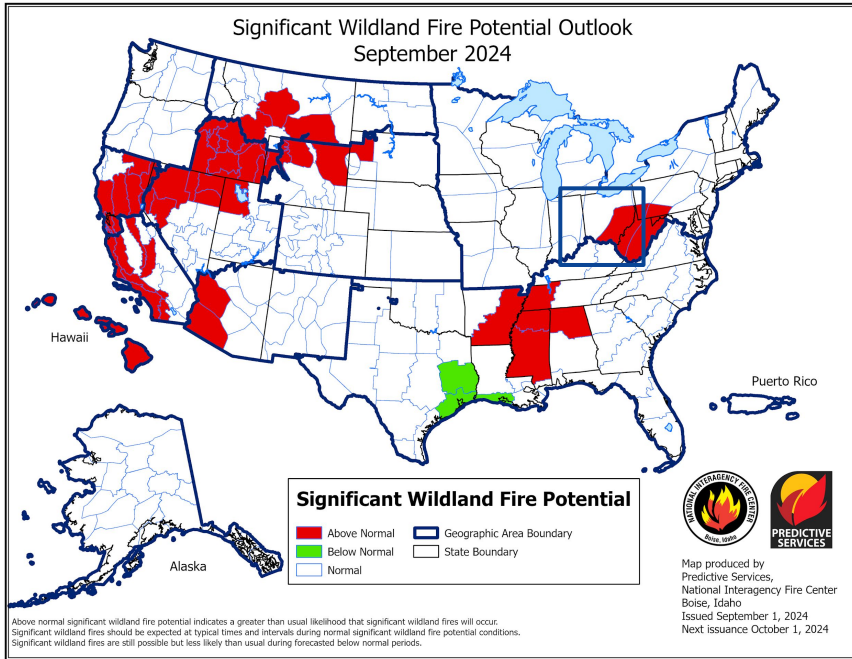




Fire Hazard Impacts

Link to [Current Fire Conditions from Drought.gov](#)

- Above normal Wildland Fire Potential expected through October

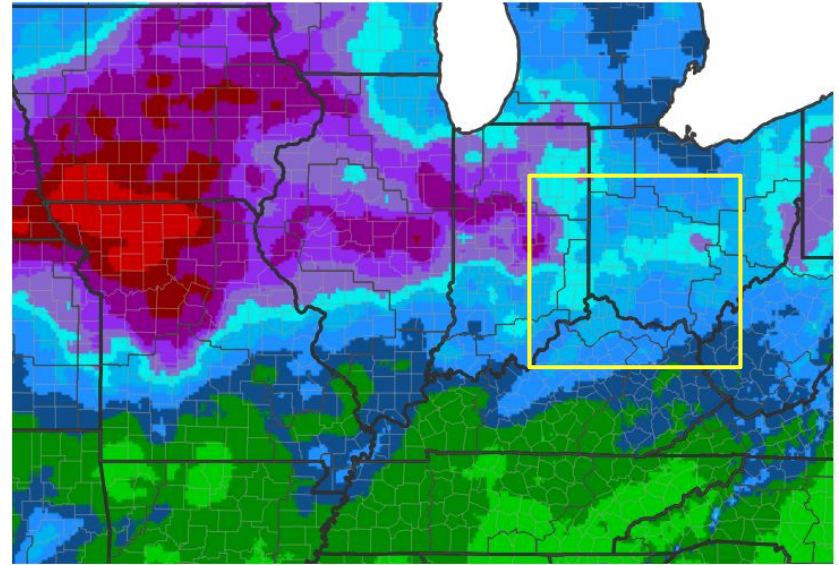




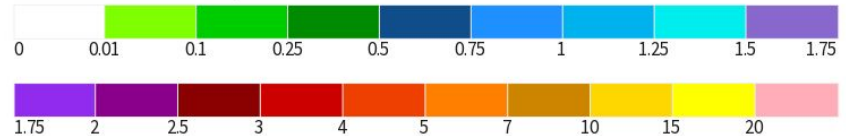
Seven Day Precipitation Forecast

- There is some potential for a few locations to accumulate an inch or more of rainfall over the next seven days, with most locations having the potential to receive at least 0.5" of precipitation.
- While there is still uncertainty at the time of this issuance, unlike in recent weeks, there will be multiple days with the potential for accumulating precipitation. However, this is unlikely to result in significant drought improvement.

7-Day Quantitative Precipitation Forecast for September 19, 2024–September 26, 2024



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image

Last Updated: 09/19/24





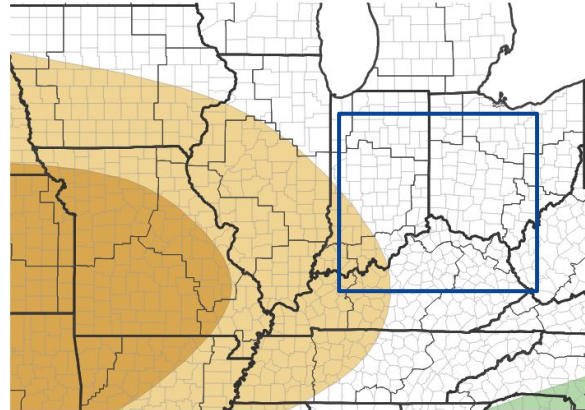
Long-Range Outlooks

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

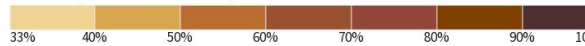
The Climate Prediction Center outlook calls for:

- Equal chances for below normal, normal, and above normal precipitation
- An increased chance for above normal temperatures

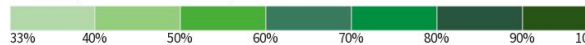
Monthly Precipitation Outlook for October 1, 2024–October 31, 2024



Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



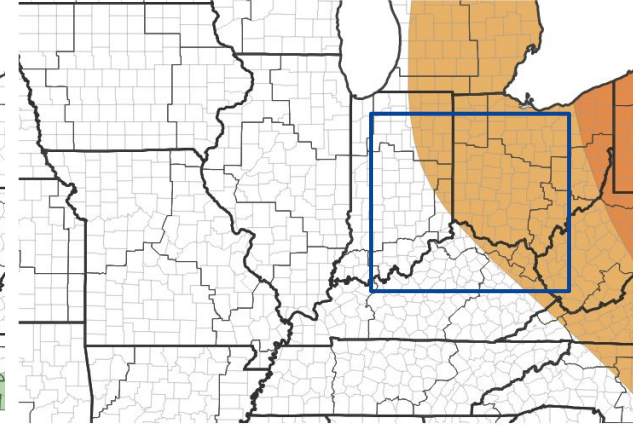
Probability of Near-Normal Precipitation



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

Last Updated: 09/19/24

Monthly Temperature Outlook for October 1, 2024–October 31, 2024



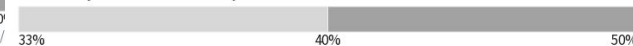
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



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

Last Updated: 09/19/24



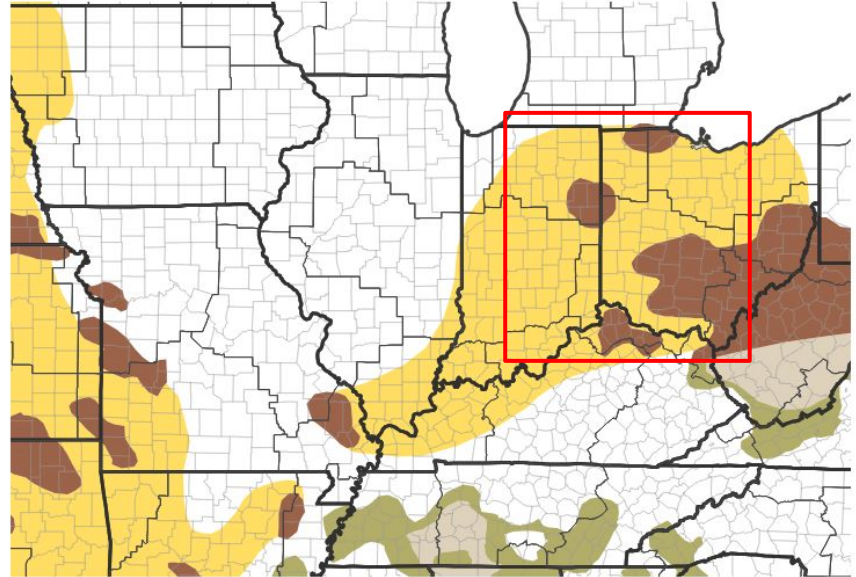


Drought Outlook

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

- Drought removal is unlikely over the next few months
- Developing drought continues to expand and worsen
- A new drought outlook will be issued at the end of September

Seasonal (3-Month) Drought Outlook for August 31, 2024–November 30, 2024



Drought Is Predicted To...



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

Last Updated: 08/31/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)

