



Drought Information Statement for the Middle Ohio River Valley

Valid September 13, 2024

Issued By: NWS Wilmington Ohio

Contact Information: spotreport.iln@noaa.gov

- This product will be updated Oct 11, 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 have worsened or expanded across much of the region.





U.S. Drought Monitor

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

U.S. Drought Monitor Wilmington, OH WFO

September 10, 2024
(Released Thursday, Sep. 12, 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	89.62	47.92	17.47	3.41
Last Week 09-03-2024	0.00	100.00	66.91	27.12	13.83	2.47
3 Months Ago 06-11-2024	100.00	0.00	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 09-12-2023	66.96	33.04	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

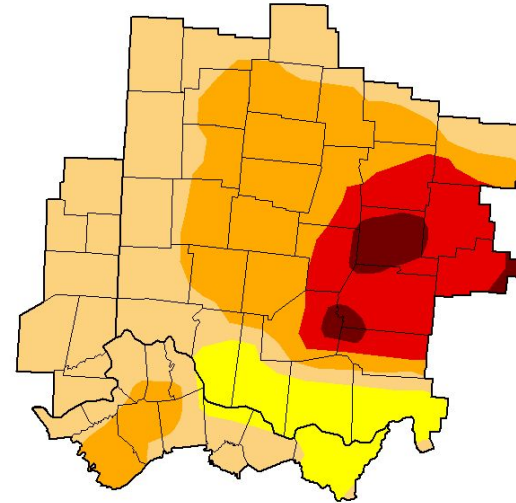
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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National Drought Mitigation Center



droughtmonitor.unl.edu



Drought intensity and Extent

- **D4 (Exceptional Drought):** Expanding across portions of the Lower Scioto/Hocking basins
- **D3 (Extreme Drought):** Much of the Scioto/Hocking/Licking basins of Ohio
- **D2 (Severe Drought):** Now expanding westward through Ohio and into areas of Northern Kentucky
- **D1 (Moderate Drought):** Westward expansion to include nearly the entire region.
- **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

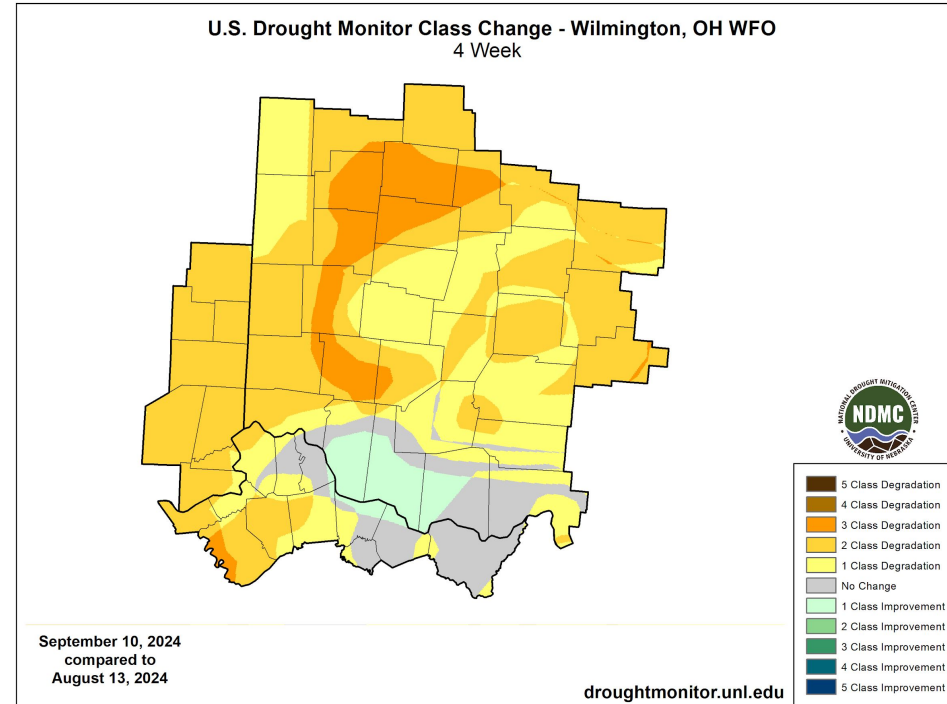


Recent Change in Drought Intensity

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:** Focused areas of recent rainfall has been just enough to keep some conditions status quo in some locations near the Ohio River
- **Drought Improved:** Only a very small area of improvement in southwest Ohio and a sliver of Northern Kentucky.

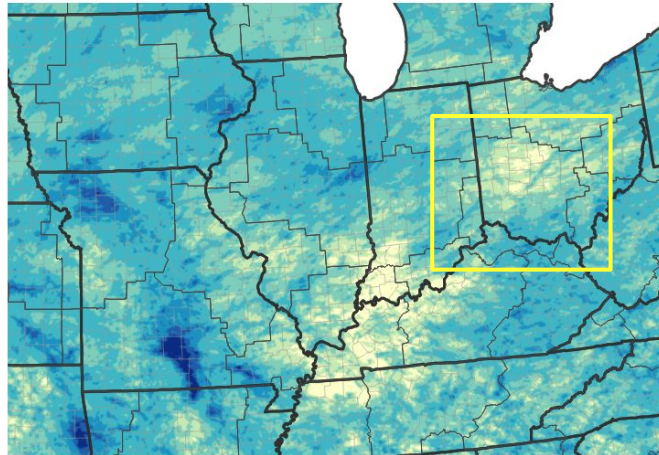




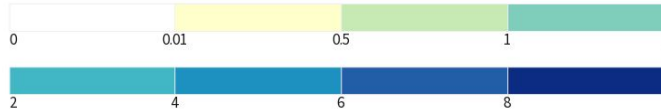
Precipitation Accumulations and Percent of Normal

- Only isolated locations have received 'near normal' to 'above normal' rainfall over the past 30 days.
- 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)

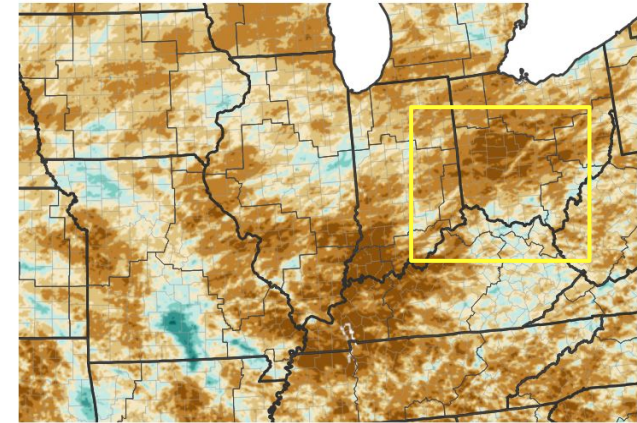


Inches of Precipitation

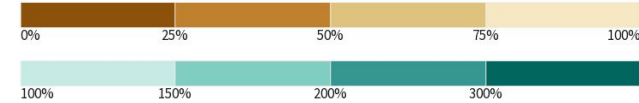


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 09/13/24
image courtesy of Drought.gov

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 09/13/24
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

State Climate office of Ohio

Agricultural Impacts

- 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

Other Impacts

- There are no known impacts at this time.

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

- Below normal streamflow is now affecting many river basins across the region
- 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.

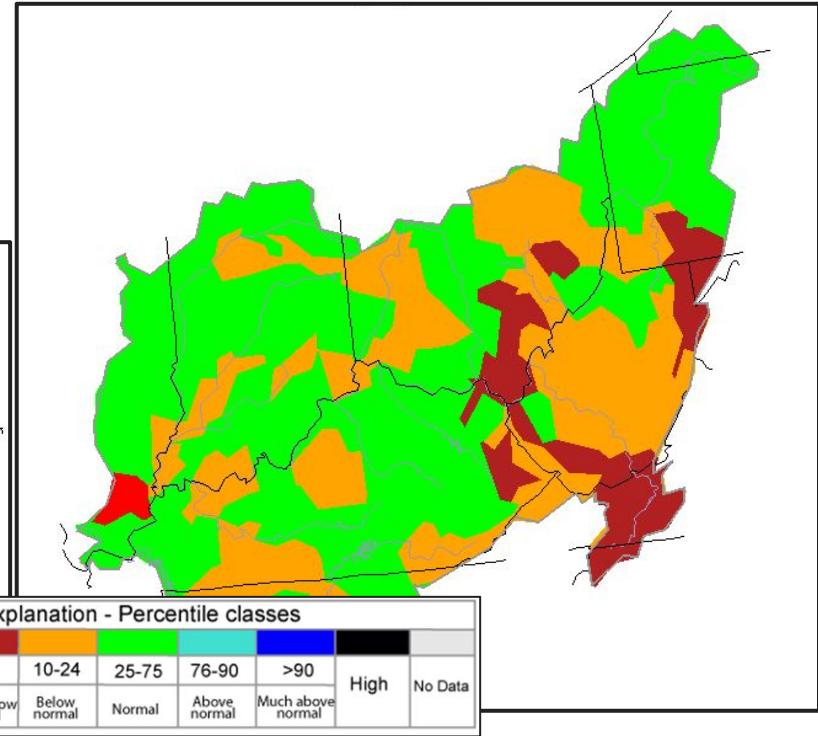
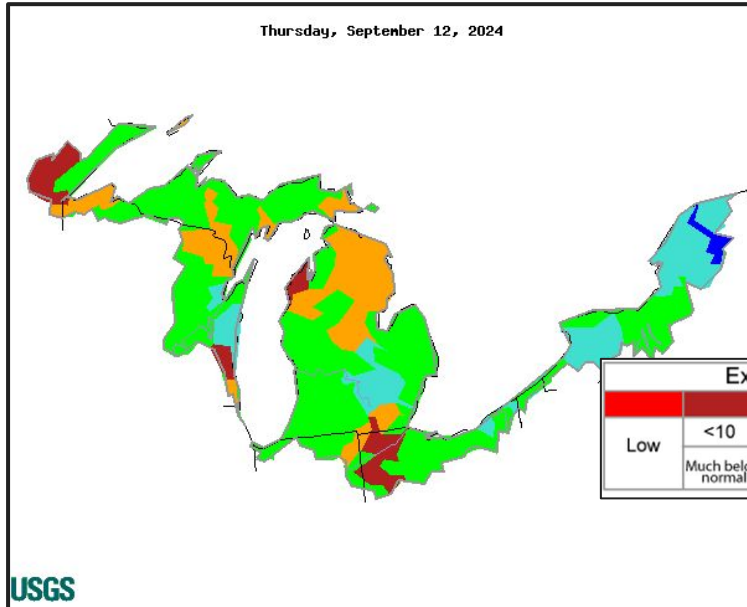


Image Caption: USGS 7 day average streamflow HUC map valid September 12, 2024

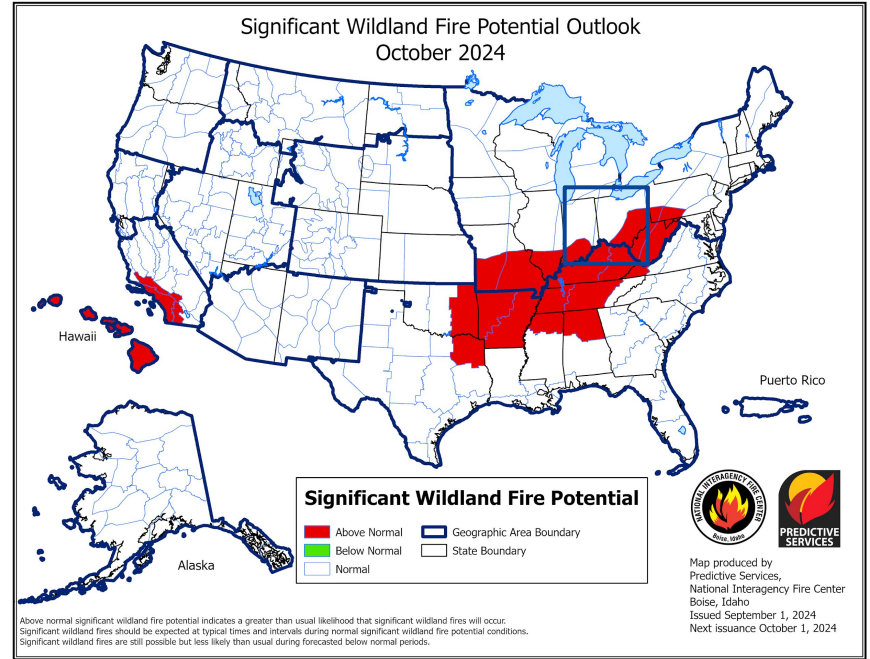
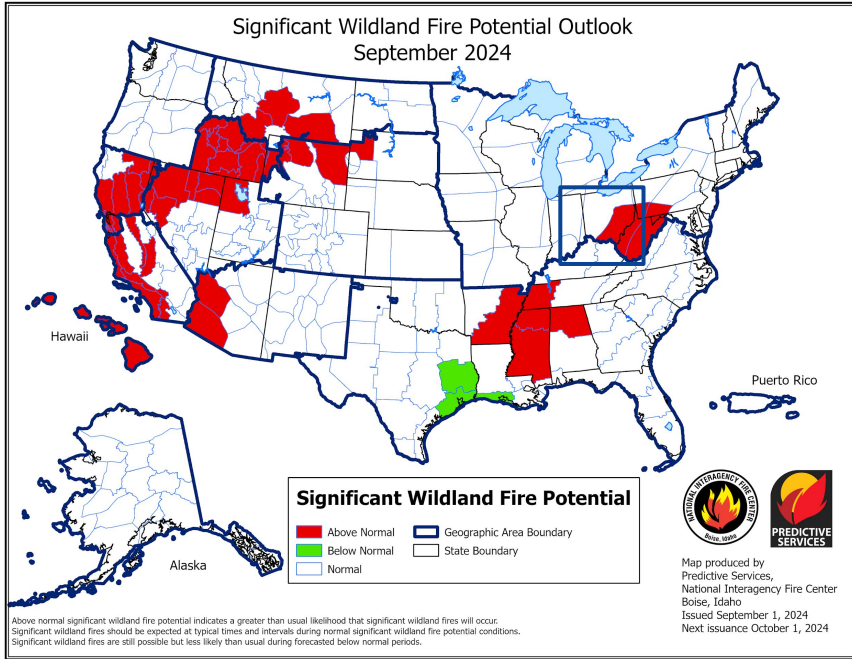




Fire Hazard Impacts

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

- Wildland fire potential has increased across the Ohio Valley.

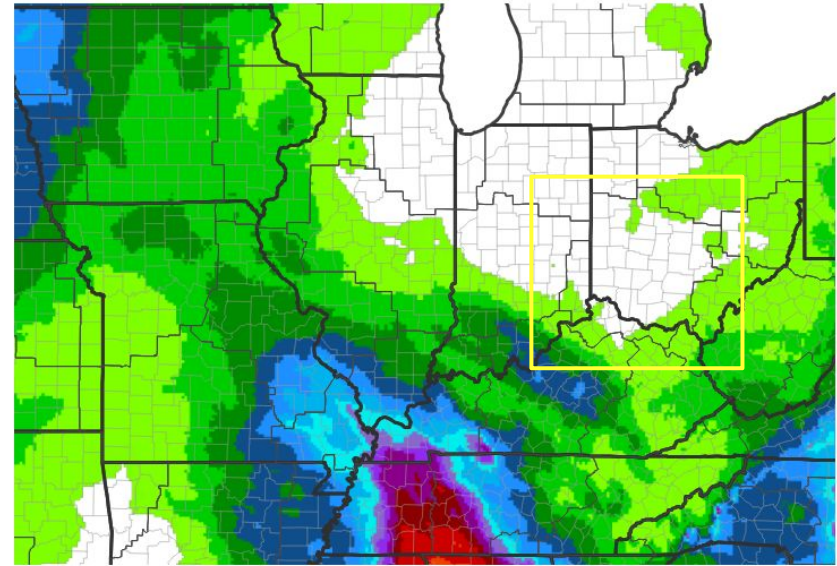




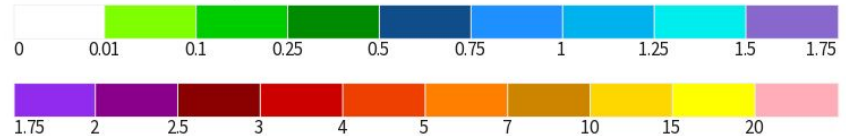
Seven Day Precipitation Forecast

- Remnants of Francine not expected to provide relief, with precipitation next week also expected to remain light and mostly outside the region.

7-Day Quantitative Precipitation Forecast for September 13, 2024–September 20, 2024



Predicted Inches of Precipitation



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

Last Updated: 09/13/24



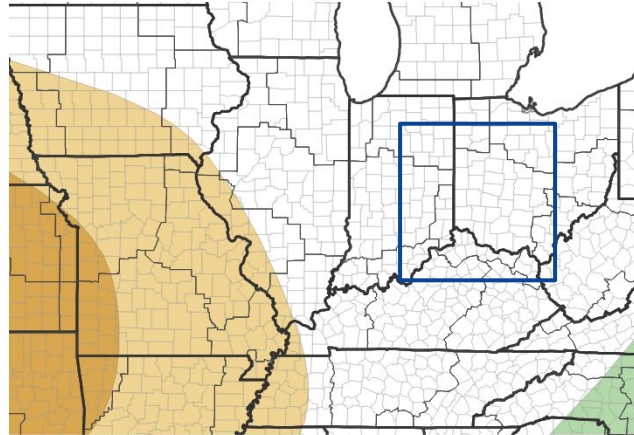


Long-Range Outlooks

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

- Looking further into the fall, there is not a strong signal for above nor below normal precipitation.
- However, Sep-Nov precipitation tends to be lower than other months of the year, so there is no expectation at this time that there will be a 'drought ending' precipitation pattern shift.

Seasonal (3-Month) Precipitation Outlook for September 1, 2024–November 30, 2024



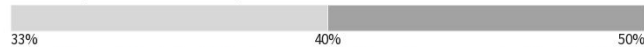
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation



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

Last Updated: 08/15/24



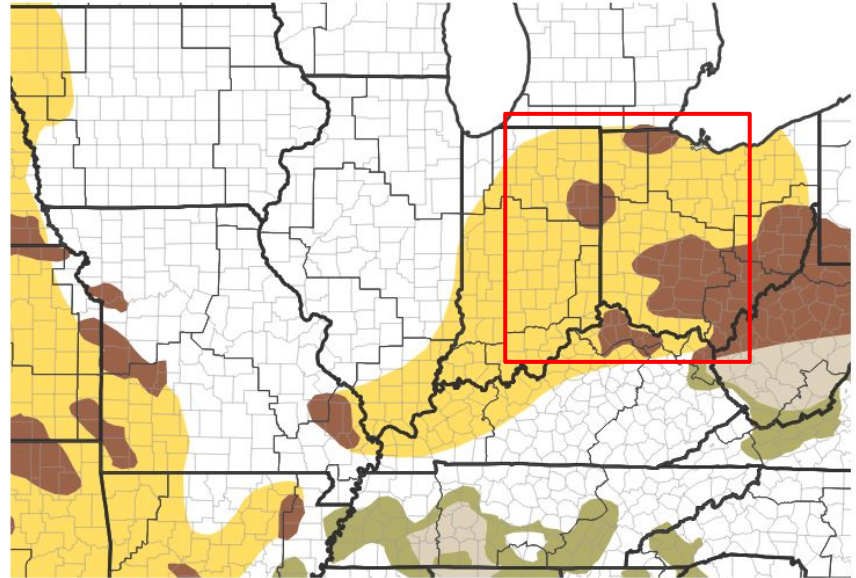


Drought Outlook

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

- With no long range signal for cool and wet weather at the time of this issuance, drought conditions are projected to persist or worsen through much of the region through September and into the remainder of the fall.

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](#)



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