



Drought Information Statement for the Middle Ohio River Valley

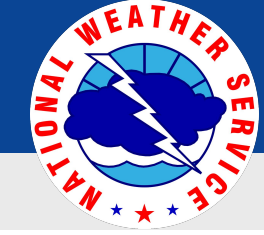
Valid November 1, 2024

Issued By: NWS Wilmington Ohio

Contact Information: spotreport.iln@noaa.gov

- This product will be updated December 1, 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 persisted or even worsened in some areas within the mid Ohio Valley over the past several weeks



U.S. Drought Monitor

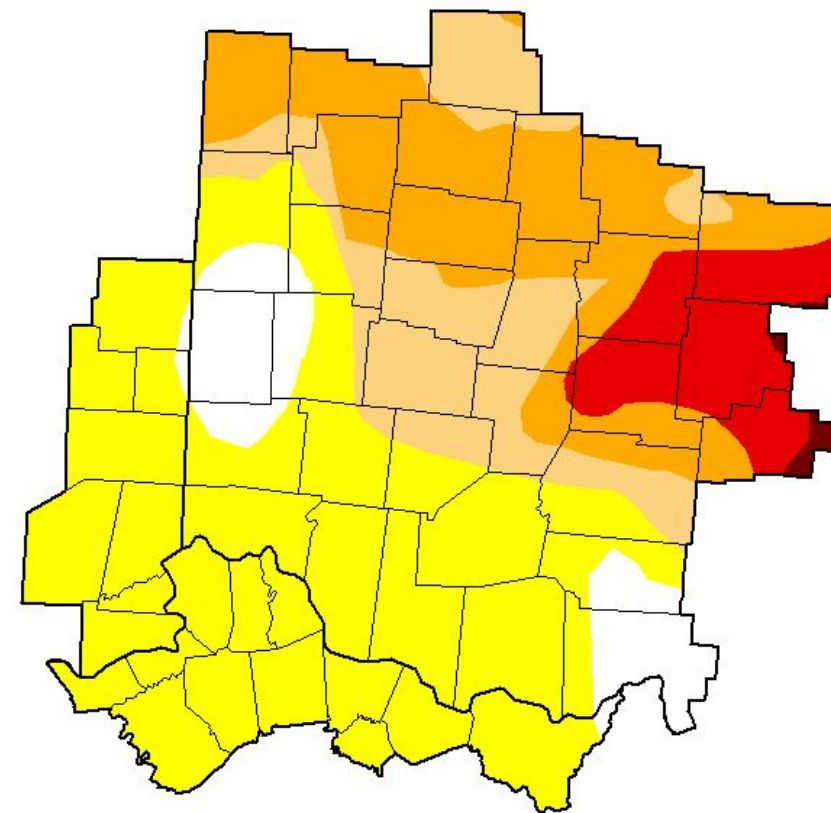
Link to the [latest U.S. Drought Monitor](#) for Lower Midwest

Drought intensity and Extent

- **D4 (Exceptional Drought)**: Far eastern Hocking/Licking basins of Ohio
- **D3 (Extreme Drought)**: Some areas of Central Ohio
- **D2 (Severe Drought)**: Nearly all of Central and Northwest Ohio
- **D1 (Moderate Drought)**: Covering the remainder of Central Ohio into portions of western Ohio
- **D0: (Abnormally Dry)**: All but just portions of a few counties in western/south central Ohio remain in D0. All of northern KY and SE Indiana also remain D0.

U.S. Drought Monitor Wilmington, OH WFO

October 29, 2024
(Released Thursday, Oct. 31, 2024)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	8.14	91.86	43.80	28.88	8.54	0.49
Last Week 10-22-2024	27.43	72.57	43.11	17.67	8.54	0.49
3 Months Ago 07-30-2024	28.14	71.86	30.87	6.49	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 10-01-2024	15.14	84.86	49.90	16.55	7.47	0.49
One Year Ago 10-31-2023	42.83	57.17	0.36	0.00	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme 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



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

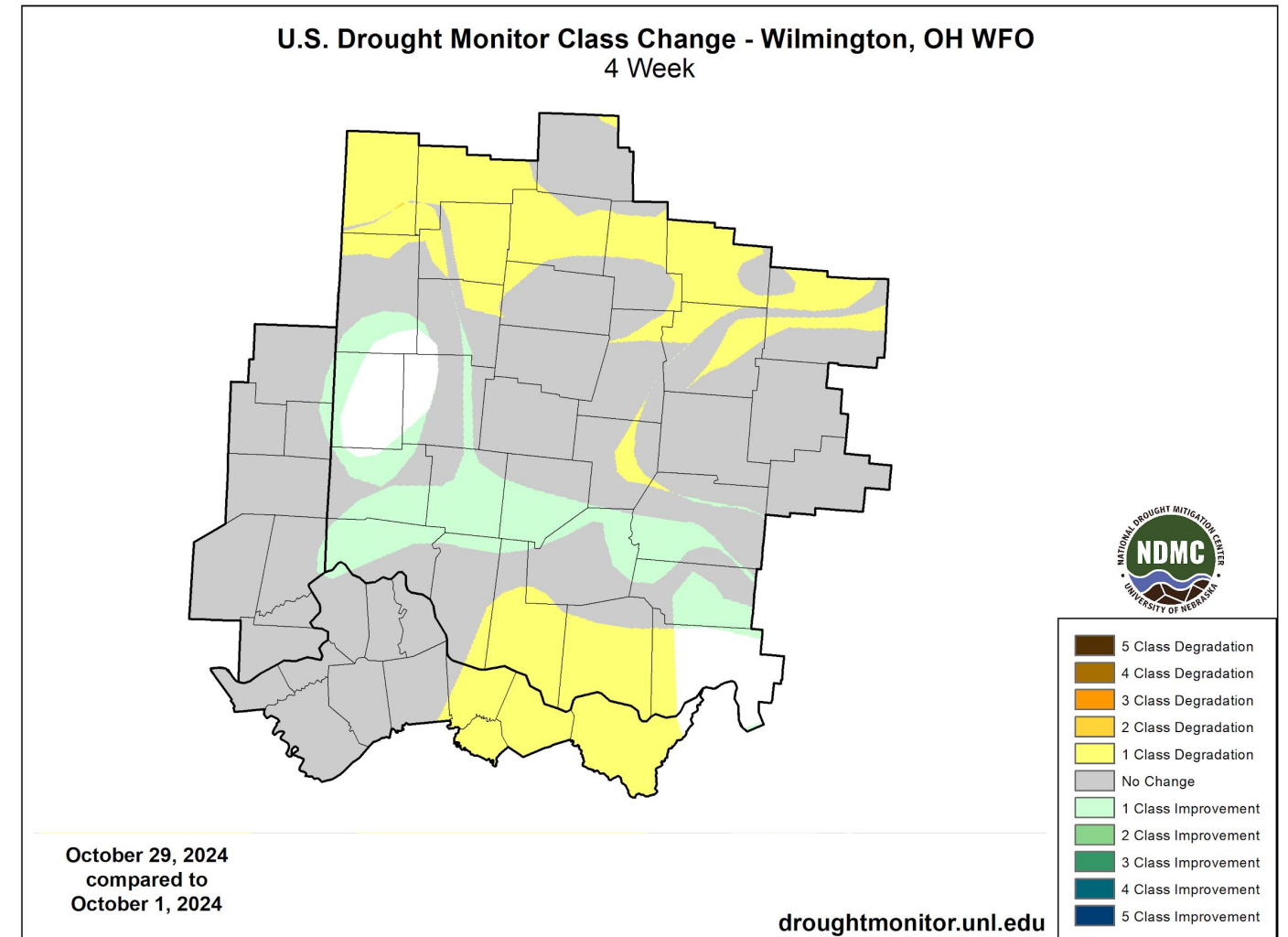
National Weather Service
Wilmington, OH

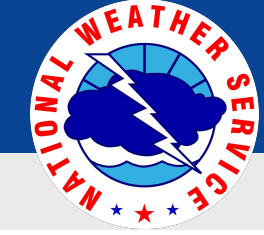


Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - **Drought Worsened:** While remains of hurricane Helene brought short-lived relief, several areas have experienced worsening drought conditions through October.
 - **No Change:** Also with Helene remains setting the stage for a recharged beginning of October, a very dry October kept many locations status quo in some form of drought conditions.
 - **Drought Improved:** Very few areas experienced improved conditions through October.

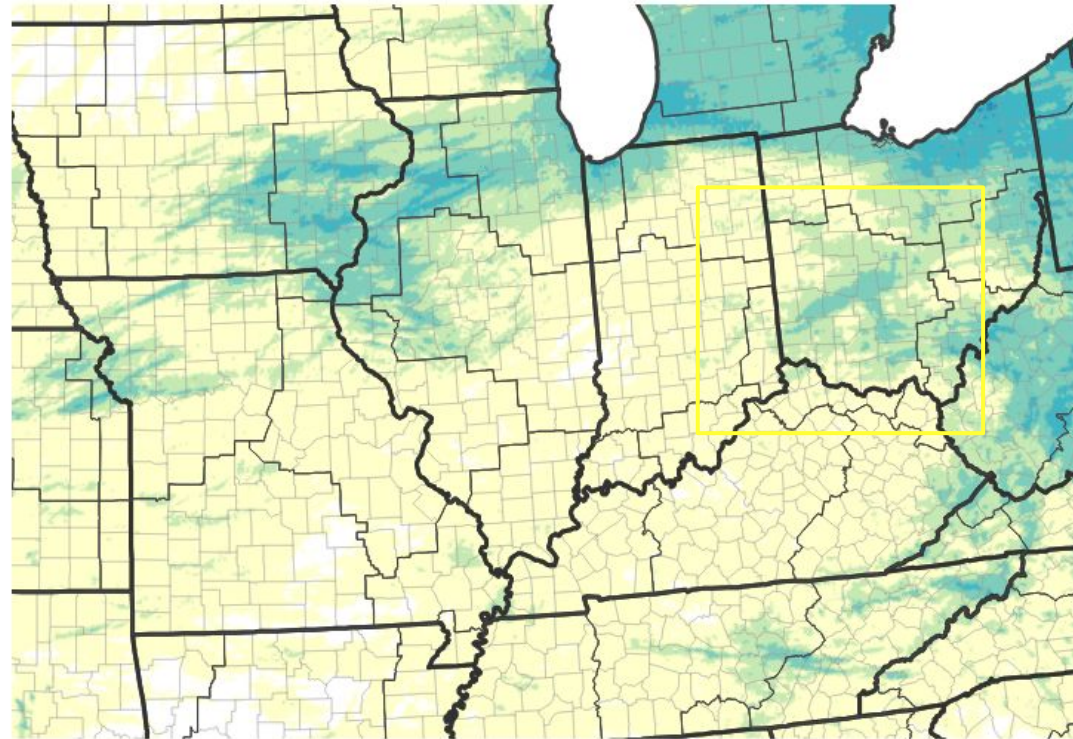




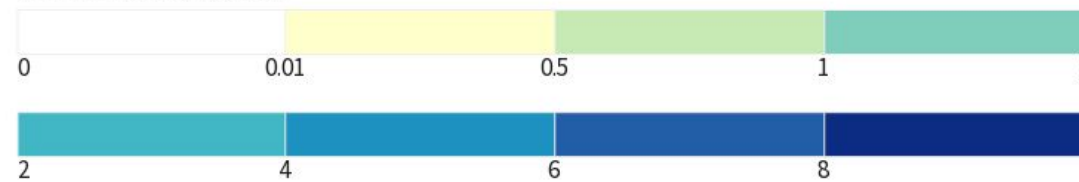
Precipitation Accumulations and Percent of Normal

- October largely was well below normal for precipitation, as little as in the 25th percentile or less.

30-Day Precipitation Accumulations (Inches)

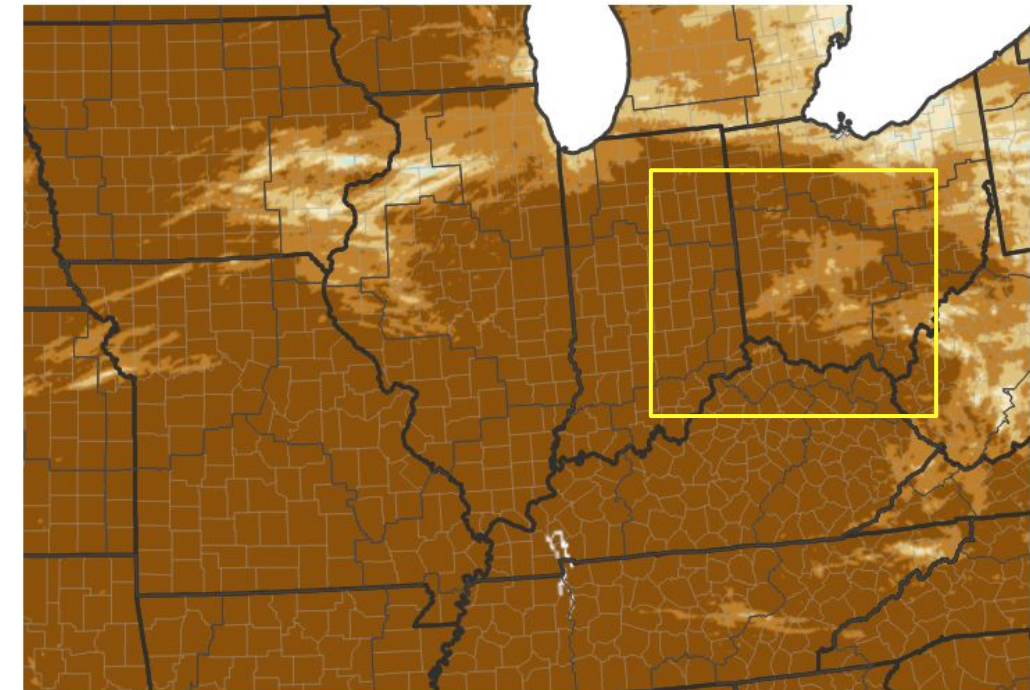


Inches of Precipitation

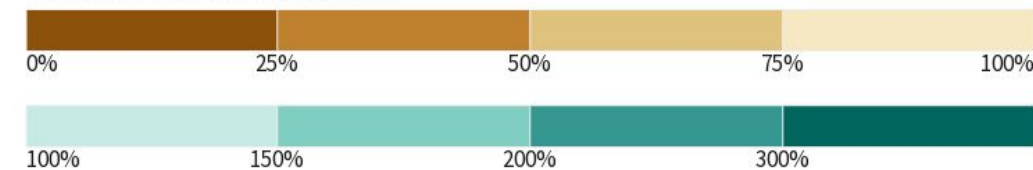


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 10/31/24
image courtesy of Drought.gov

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 10/31/24
image courtesy of Drought.gov





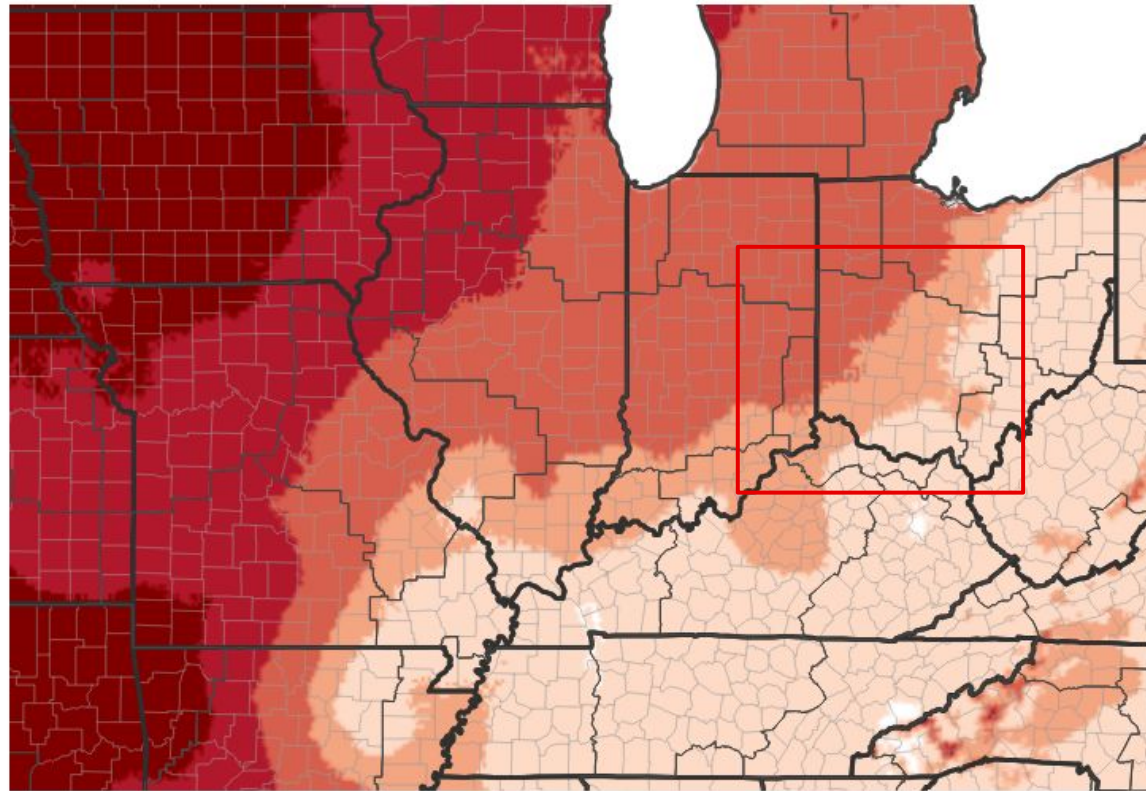
Temperature

7 day and 30 day temperature anomalies show were above normal across ALL of the mid Ohio Valley.

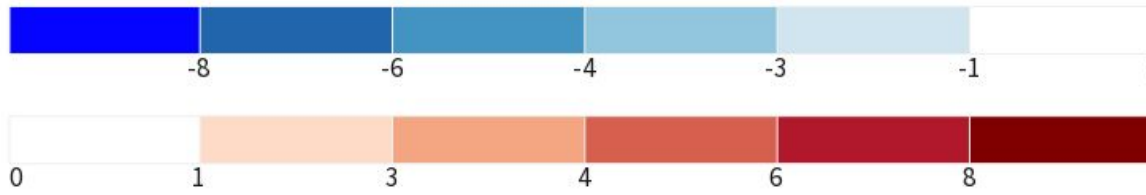
Per Gridded PRISM Climate Data:

- October 2024 was ranked among the top 5 to 10 driest Octobers in 130 years of climate data for much of Ohio and Southeast Indiana.
- Much of northern Kentucky ranked among the driest to top 5 driest Octobers in 130 years.

30-Day Temperature Anomaly



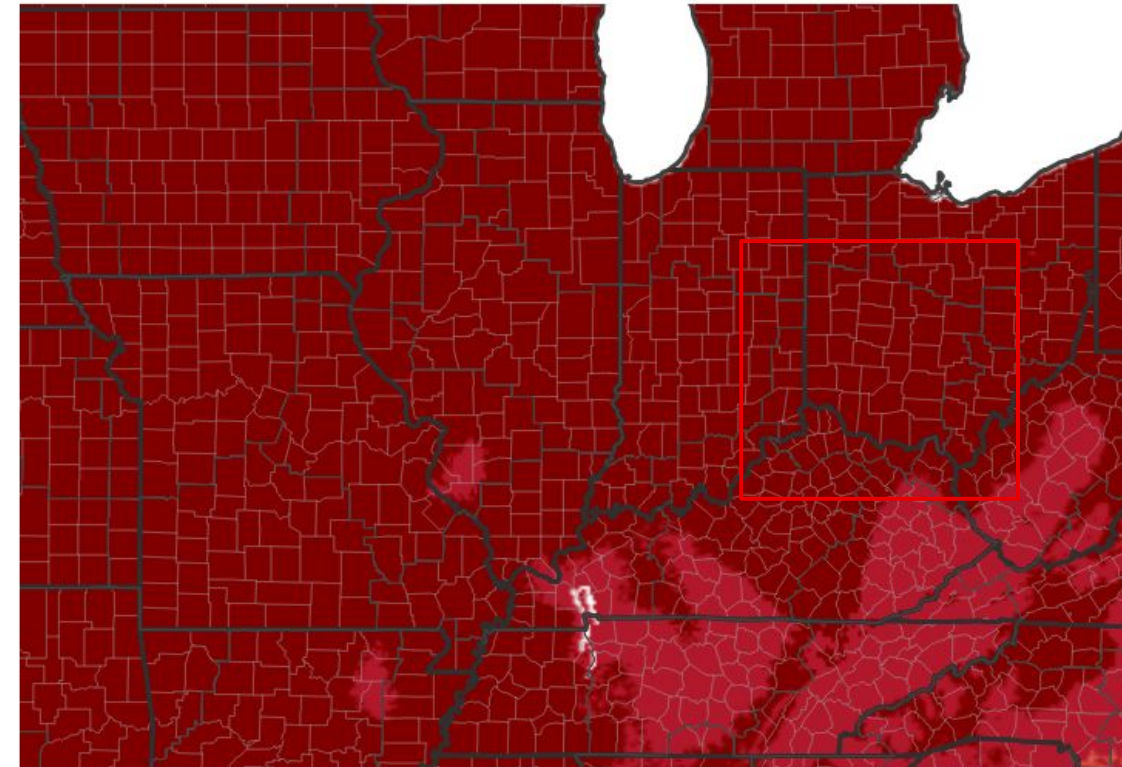
Departure from Normal Max Temperature (°F)



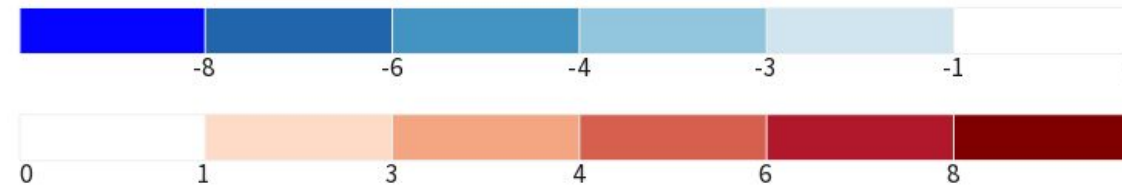
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 10/27/24

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: 10/27/24





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

Agricultural Impacts

- 'Severe Yield Decline' in Ohio Ahead of Harvest (September) *Successful Farming*
- Only 38% of Kentucky Pasture conditions rated good to excellent *Kentucky Crop Weather*
- [Ohio Crop Weather Report](#), [Indiana Crop Weather Report](#), [Kentucky Crop Weather Report](#)

Fire Hazard Impacts

- There are no known impacts at this time

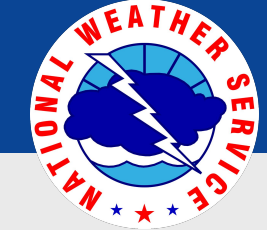
Other Impacts

- There are no known impacts at this time

Mitigation Actions

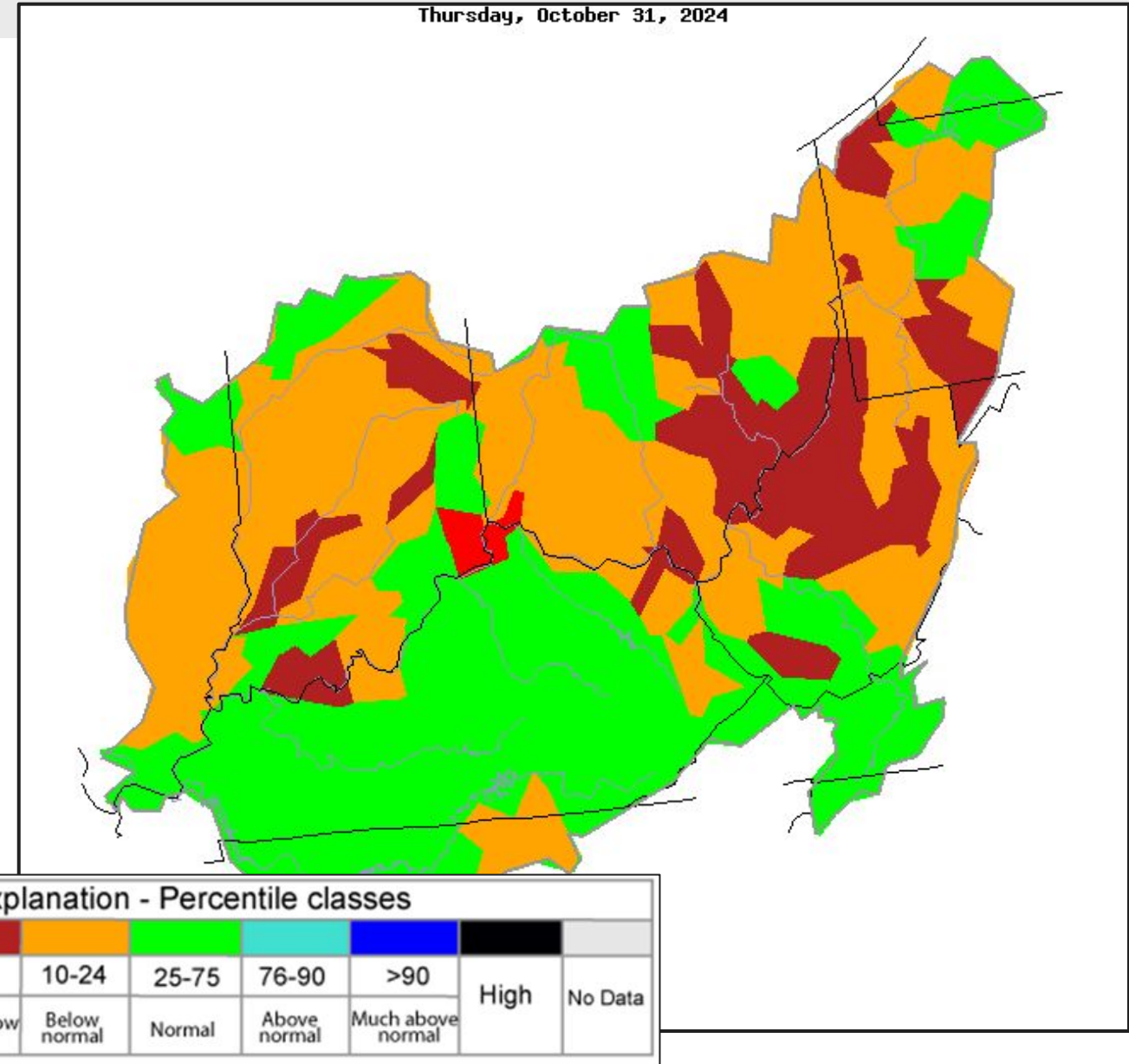
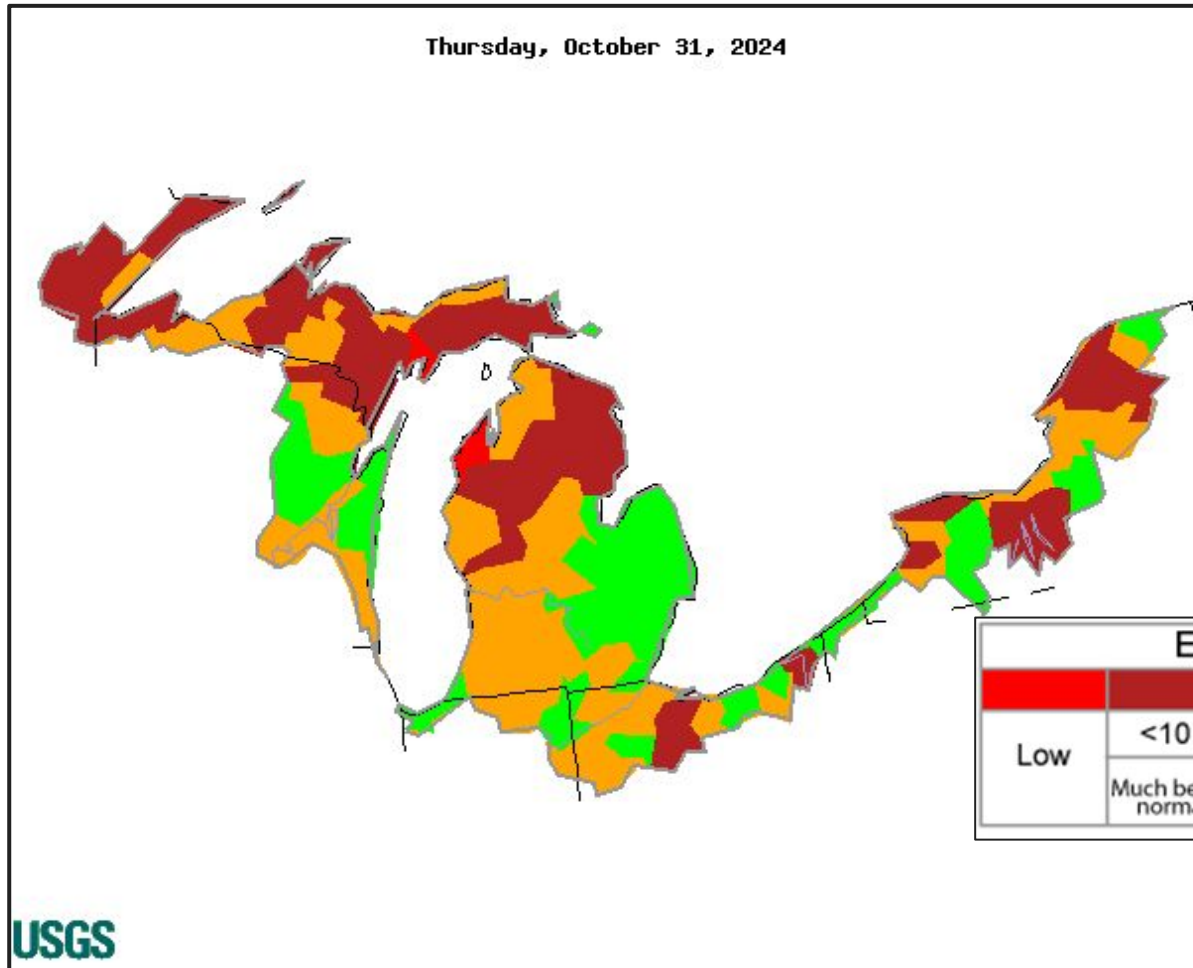
- Some farmers continue to haul water for livestock





Hydrologic Conditions and Impacts

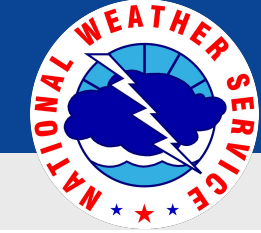
- Below normal streamflow is affecting portions of middle/lower Scioto, the Hocking and Licking basins of Ohio, and the Licking basin of Kentucky



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Image Caption: USGS 7 day average streamflow HUC map

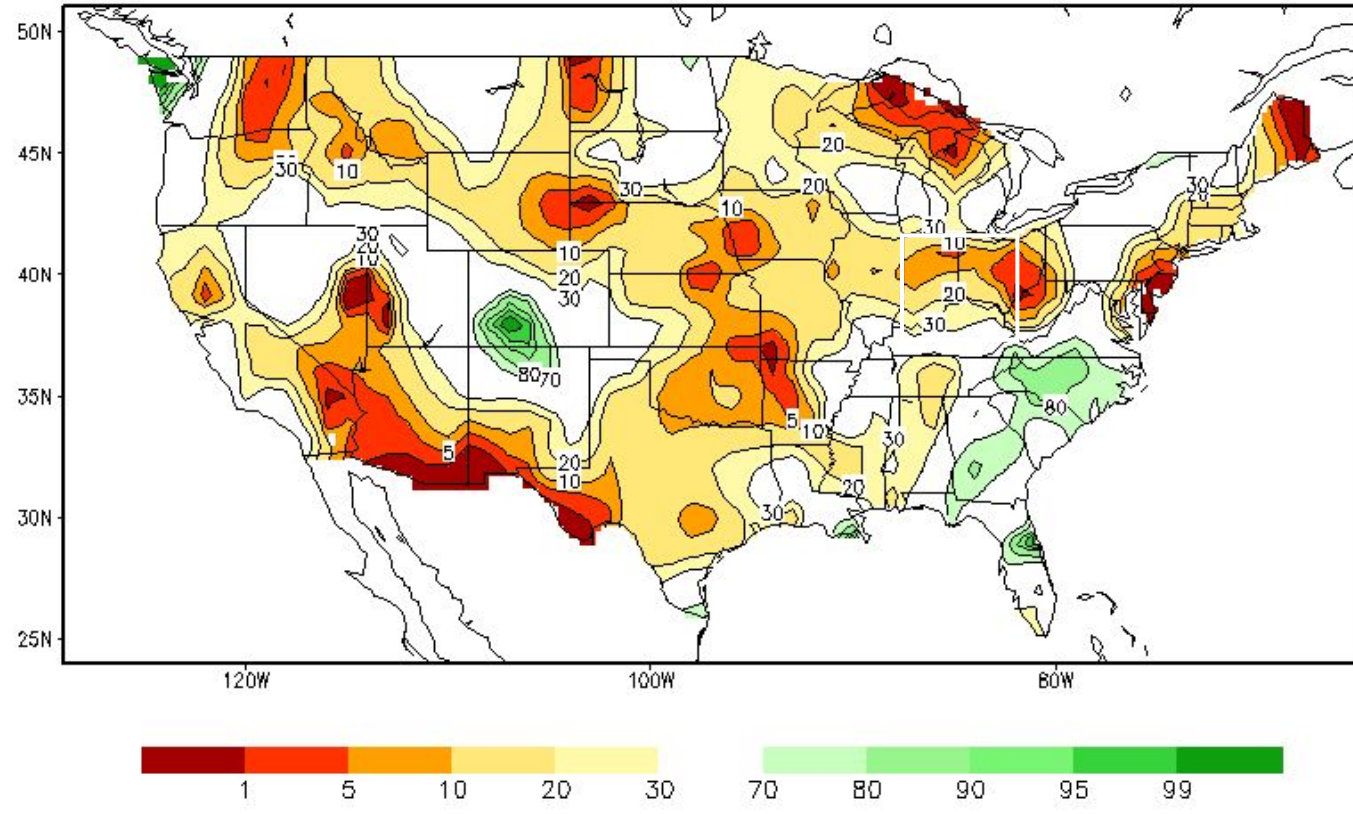




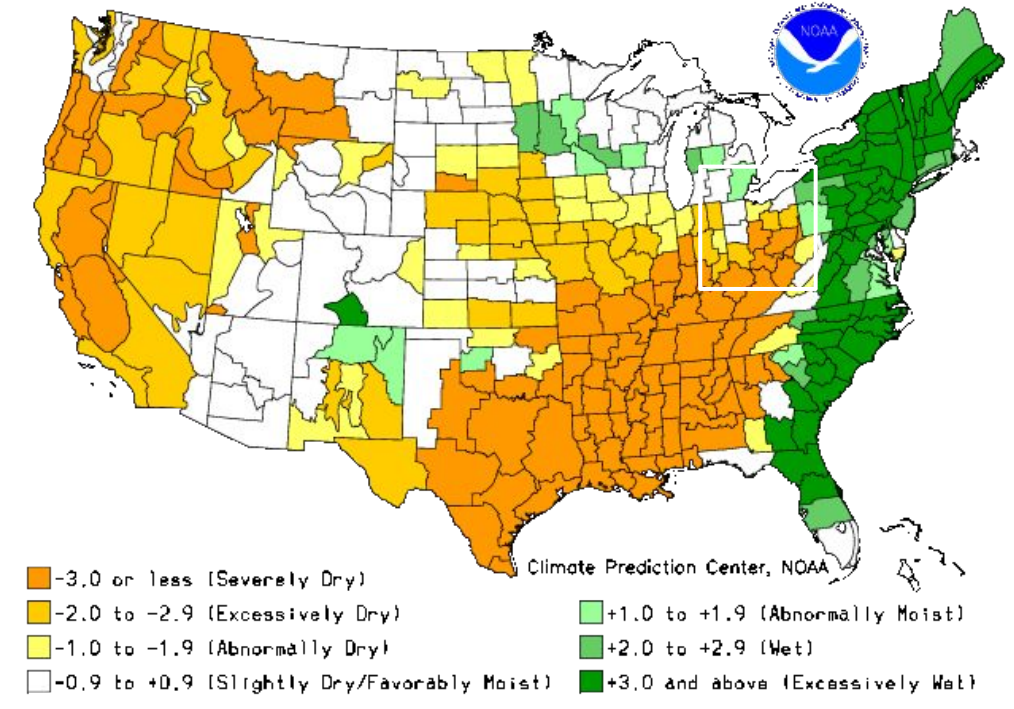
Agricultural Impacts

- Summarize conditions/impacts here

Calculated Soil Moisture Ranking Percentile
OCT 30, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending OCT 26, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile

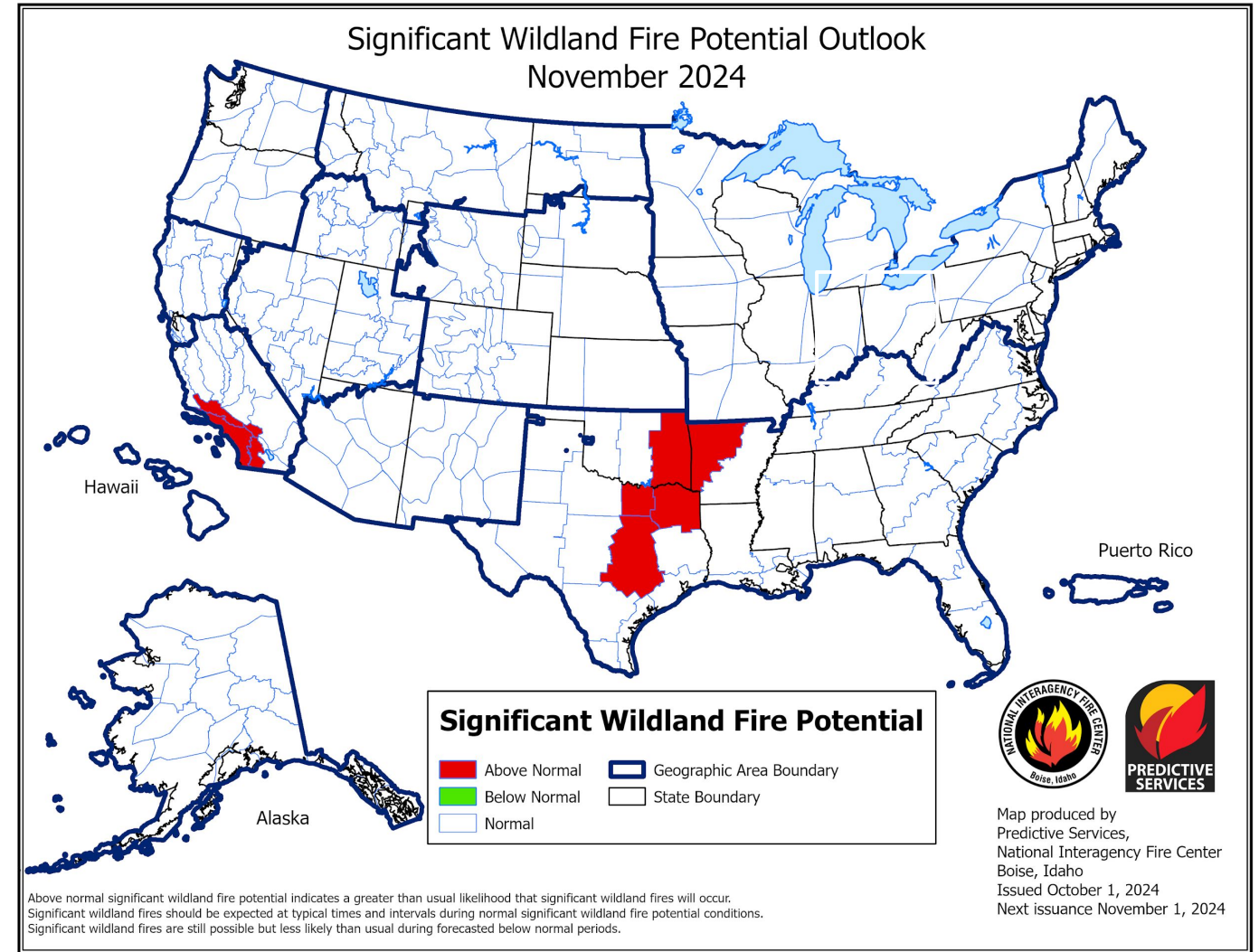
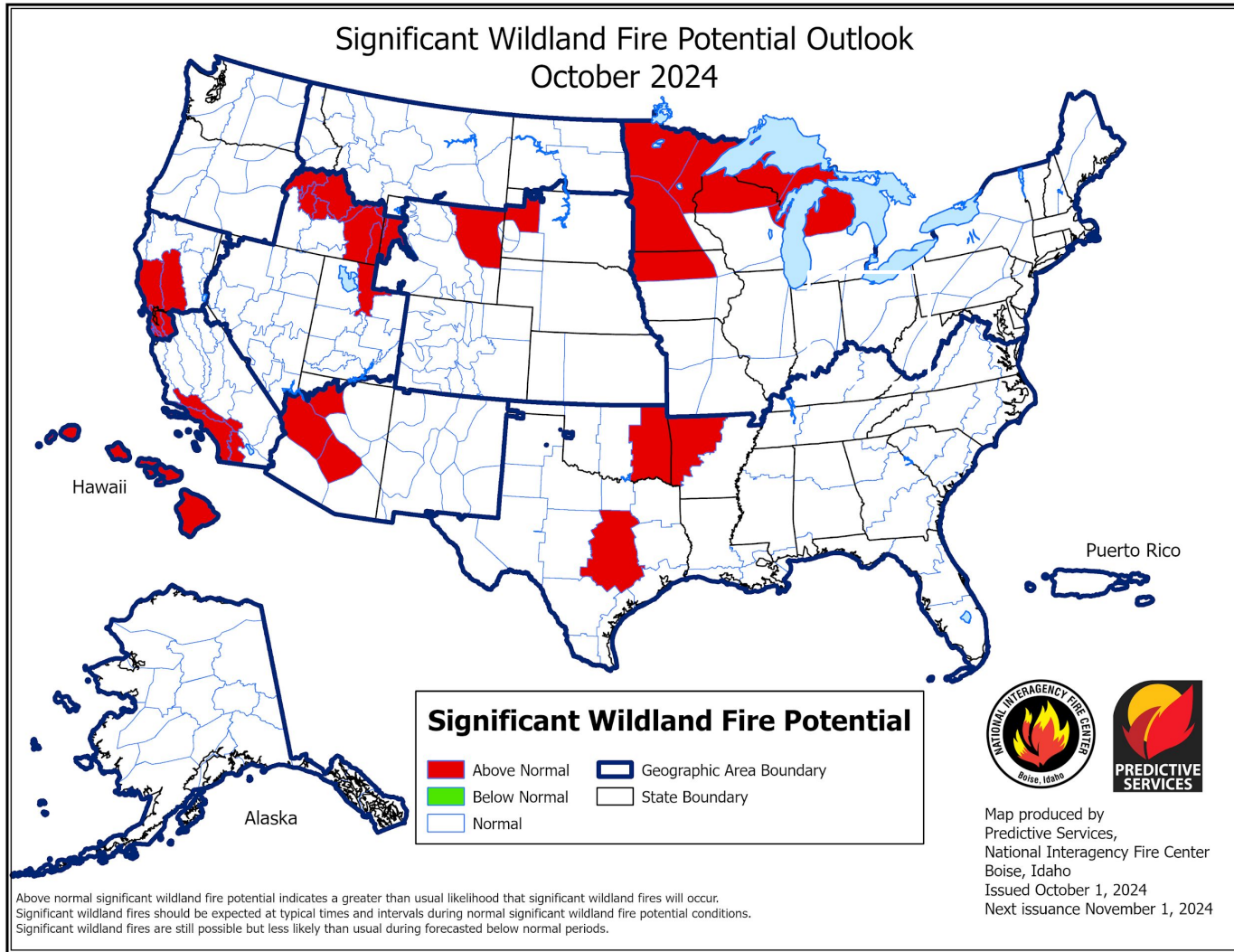




Fire Hazard Impacts

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

- Summarize conditions/impacts here

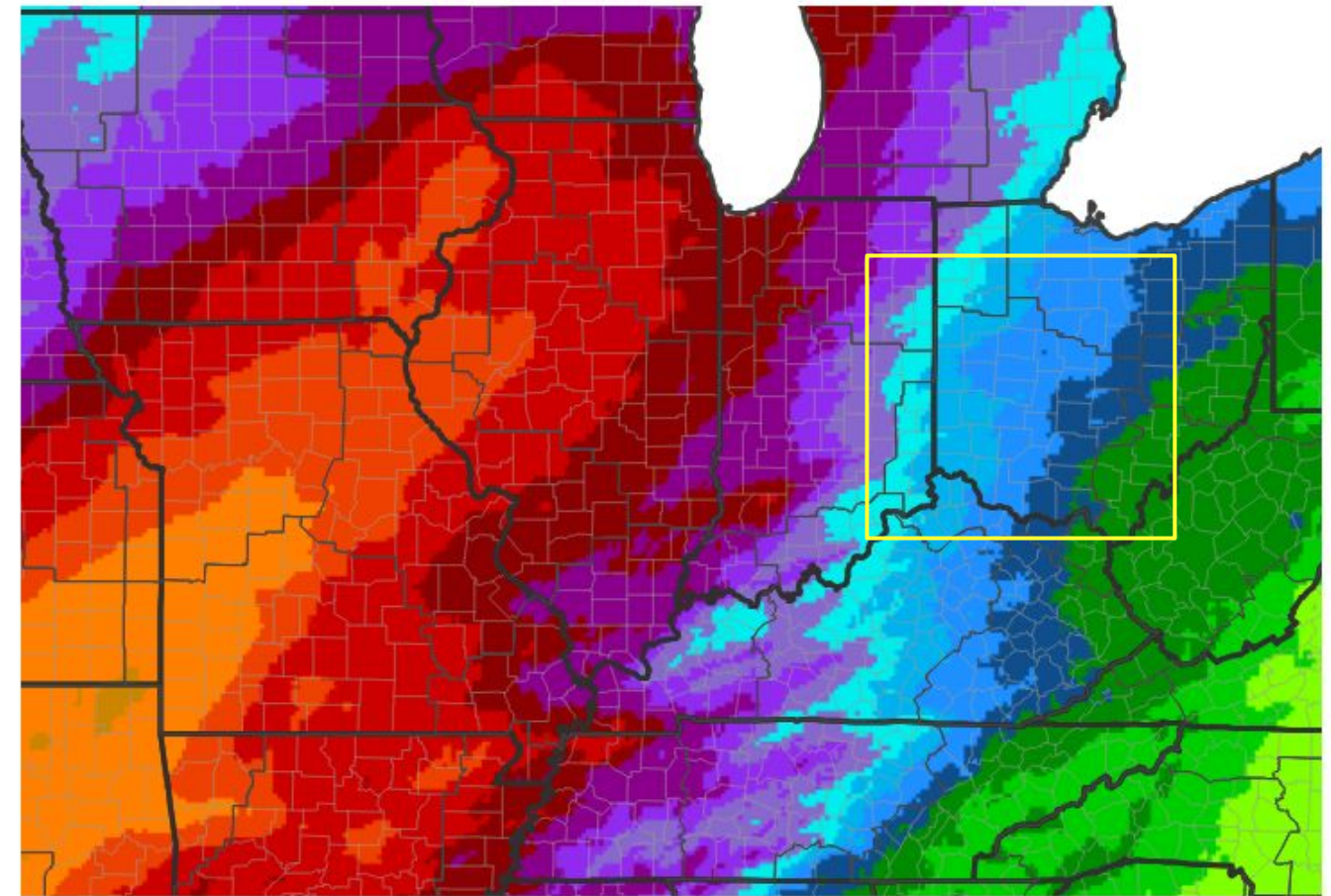




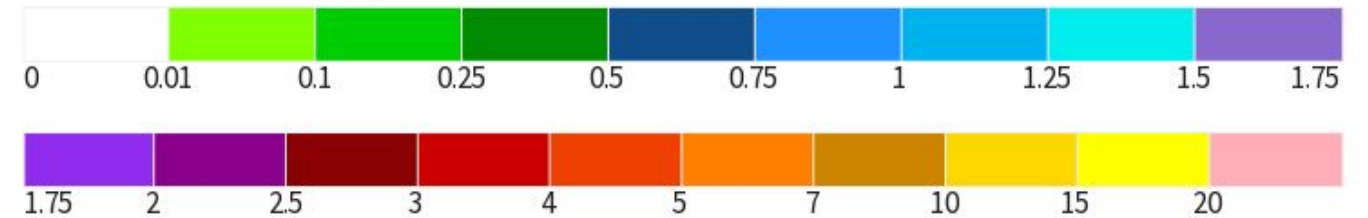
Seven Day Precipitation Forecast

- Some brief relief in dry conditions are expected

7-Day Quantitative Precipitation Forecast for October 31, 2024–November 7, 2024



Predicted Inches of Precipitation



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

Last Updated: 10/31/24





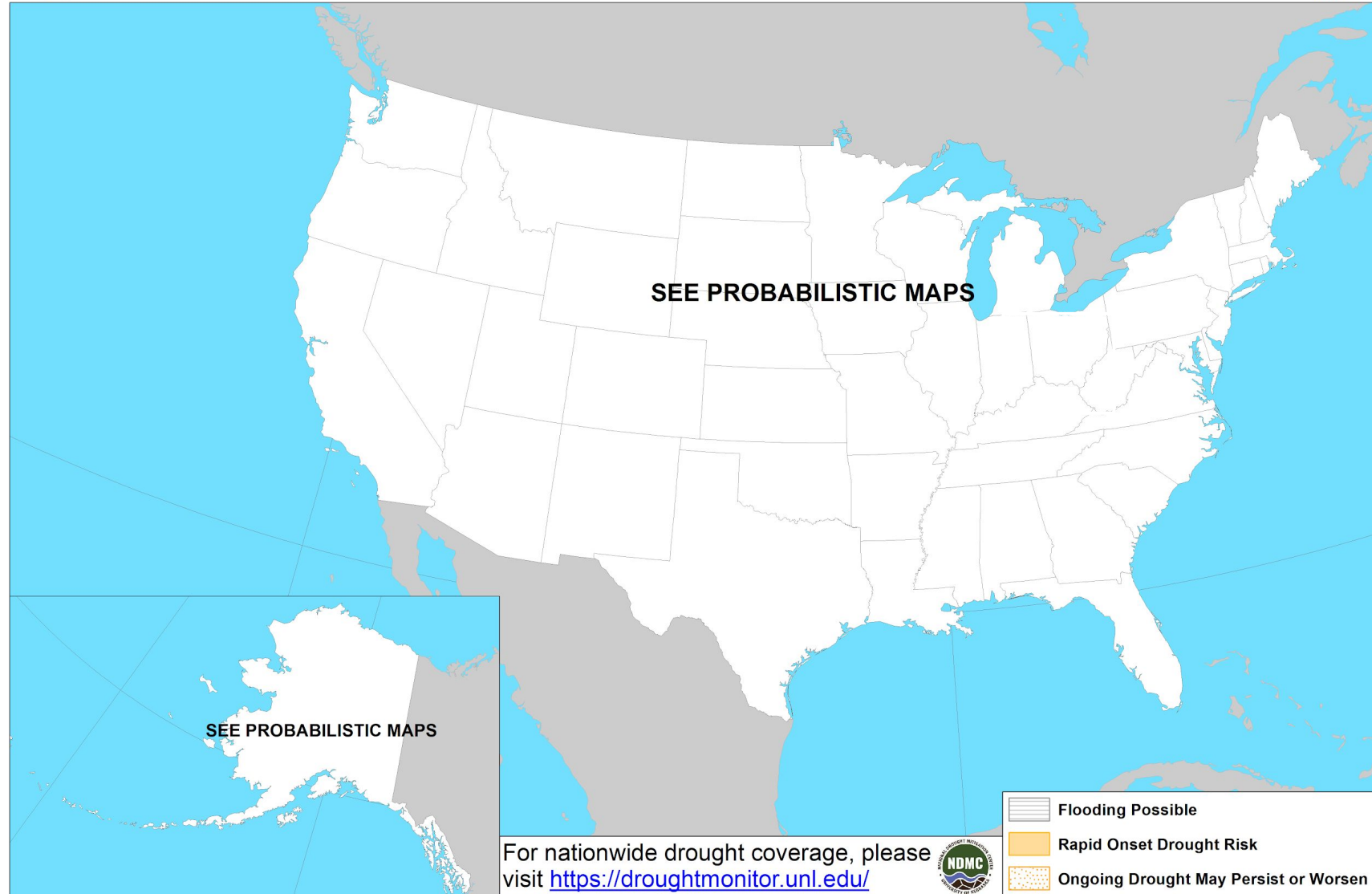
Rapid Onset Drought Outlook

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

- Summarize conditions and impacts here



Day 8-14 U.S. Hazards Outlook
Valid: 11/08/2024-11/14/2024



Climate Prediction Center
Made: 10/31/2024 3PM EDT

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www.cpc.ncep.noaa.gov



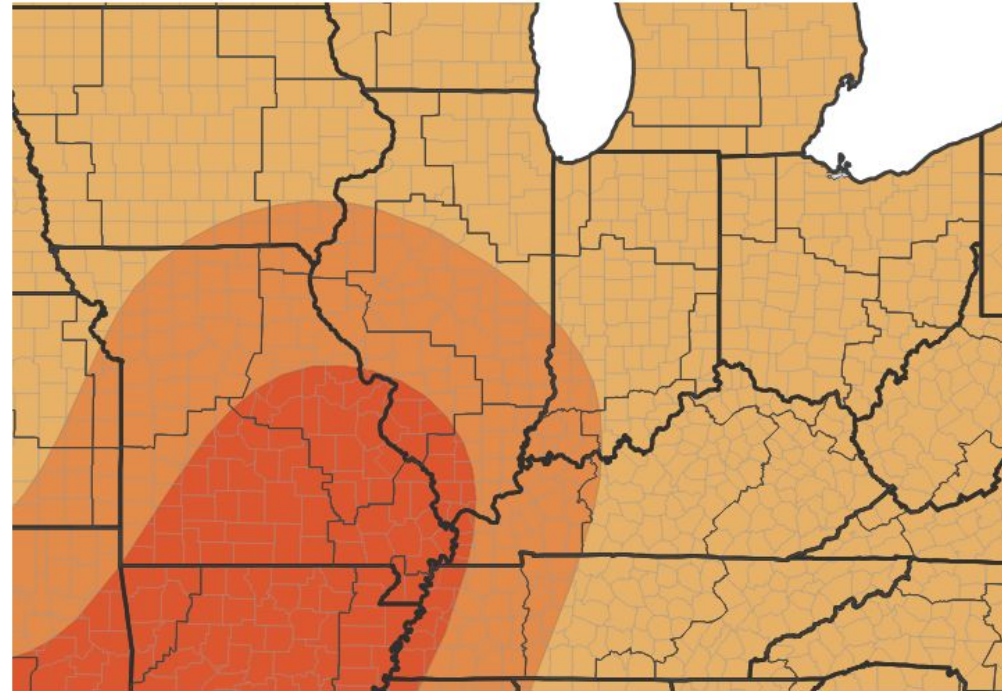


Long-Range Outlooks

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

- Temperatures for November are expected to remain above normal
- The monthly precipitation outlook for November hints that the mid Ohio Valley may return to a more normal precipitation pattern.

Monthly Temperature Outlook for November 1, 2024–November 30, 2024



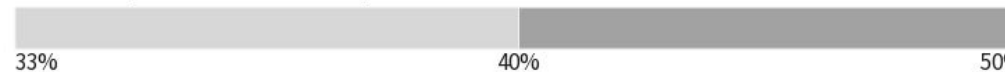
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



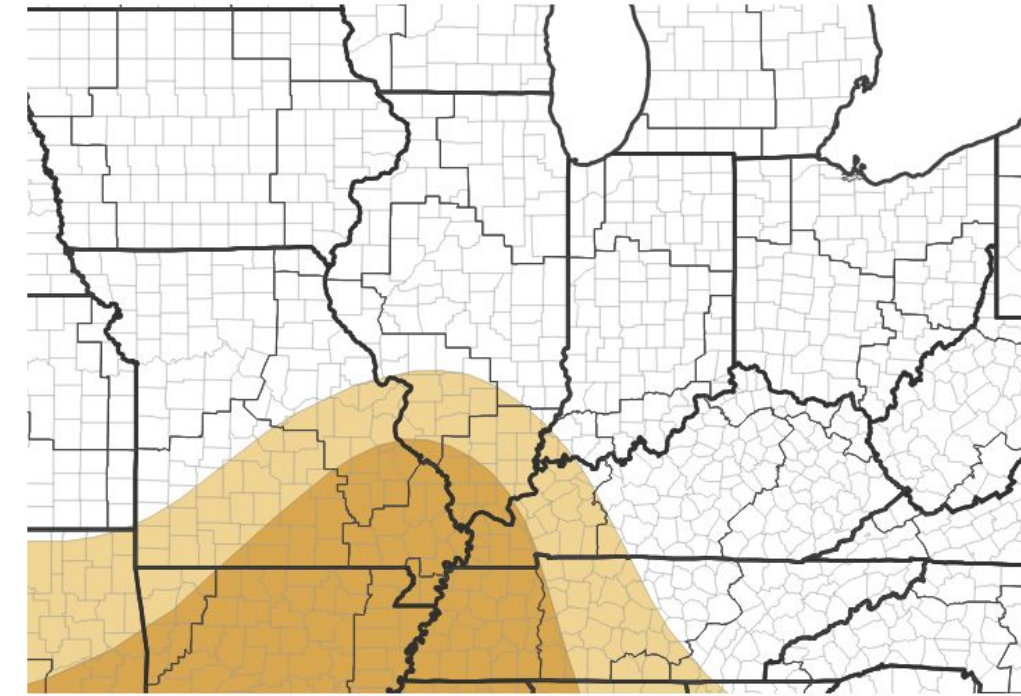
Probability of Near-Normal Temperatures



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

Last Updated: 10/17/24

Monthly Precipitation Outlook for November 1, 2024–November 30, 2024



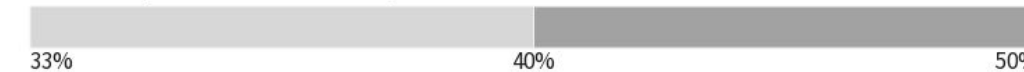
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation



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

Last Updated: 10/17/24



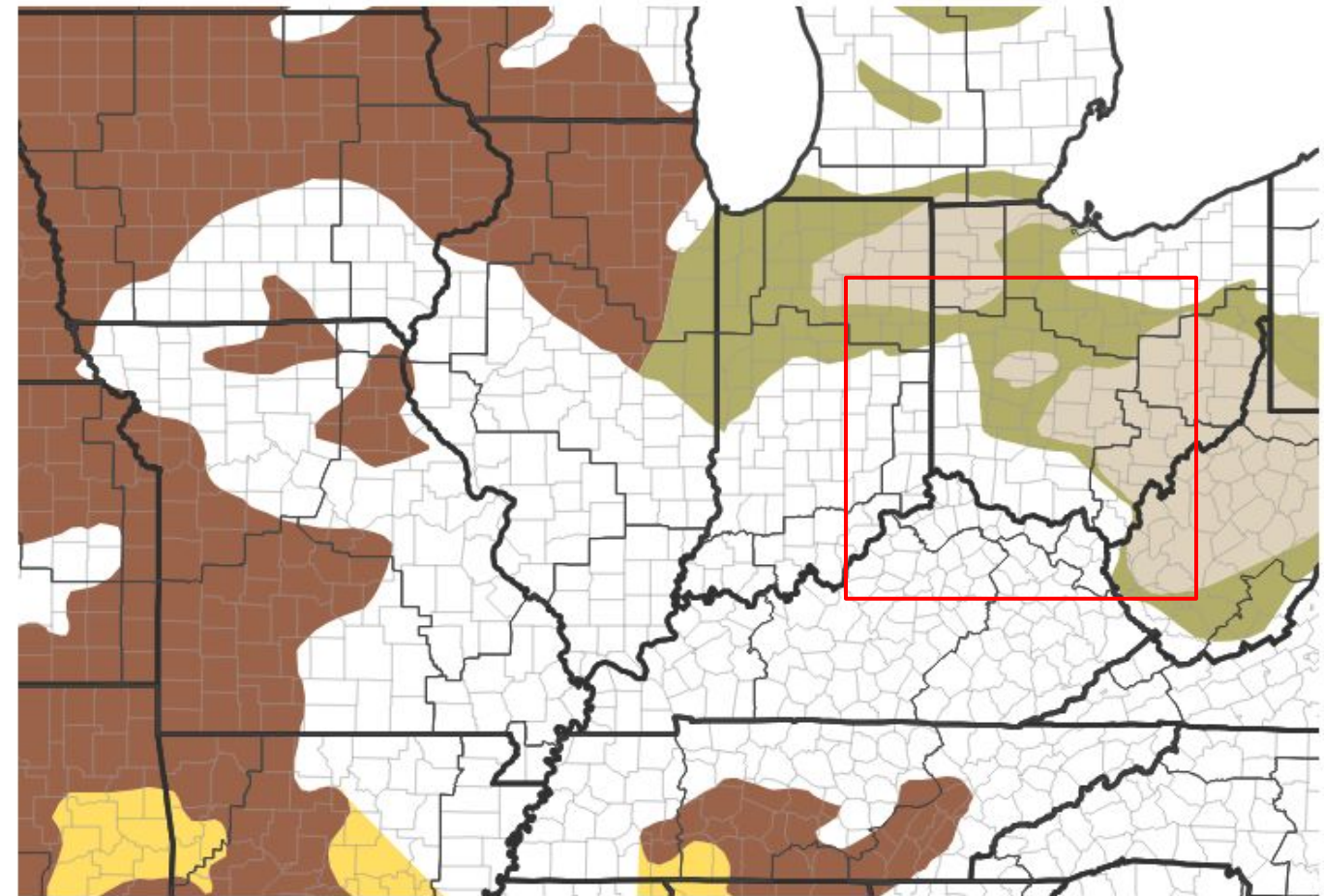


Drought Outlook

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

- The 1-Month drought outlook depicted here was from June 30, 2024. A new outlook will be issued at the end of July.
- At the time of this issuance, precipitation is expected to be near normal for the period of July 18-25.
- The 8-14 day outlook for the period July 26-August 1 is for above normal temperatures and some potential for above normal precipitation.

Seasonal (3-Month) Drought Outlook for October 17, 2024-January 31, 2025



Drought Is Predicted To...



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

Last Updated: 10/17/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)

