



Drought Information Statement for Northern Ohio

Valid October 24, 2024

Issued By: NWS Cleveland

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- This product will be updated November 21, 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/cle/DroughtInformationStatement> for previous statements.
 - Please visit <https://www.drought.gov/drought-status-updates> for regional drought status updates.
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- General improvement in drought conditions during October due to above normal rainfall.
 - Severe drought (D2) conditions remain in small portions of the area, with extreme drought (D3) conditions across extreme northwest Lucas county.





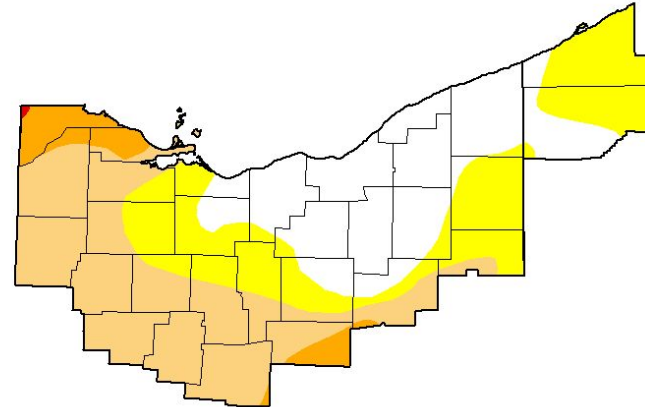
U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for Northern Ohio and Northwest Pennsylvania

- Drought intensity and Extent
 - **D3 (Extreme Drought)**: Extreme northwest Lucas county
 - **D2 (Severe Drought)**: Lucas and Ottawa, extreme northern Wood, southeast Holmes counties
 - **D1 (Moderate Drought)**: Portions of northern along and south of an Upper Sandusky to Mansfield to Canton line and along and west of an Upper Sandusky to Tiffin to Fremont line
 - **D0: (Abnormally Dry)**: Portions of north central Ohio, northeast Ohio, and northwest Pennsylvania.

U.S. Drought Monitor Cleveland, OH WFO

October 22, 2024
(Released Thursday, Oct. 24, 2024)
Valid 8 a.m. EDT



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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NCEI/NOAA



droughtmonitor.unl.edu

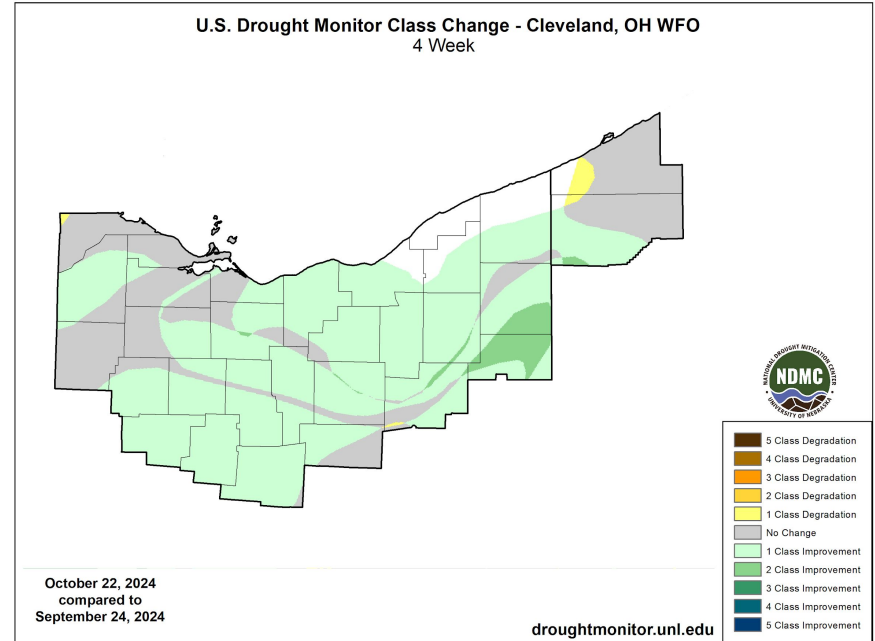




Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for Northern Ohio and Northwestern Pennsylvania

- Four Week Drought Monitor Class Change.
 - Drought Worsened: Extreme northwest Lucas county and a small portion of Erie and Crawford counties in northwest Pennsylvania
 - No Change: Scattered portions of northern Ohio and northwest Pennsylvania
 - Drought Improved: Most of northern Ohio and the southwest half of Crawford county in northwest Pennsylvania

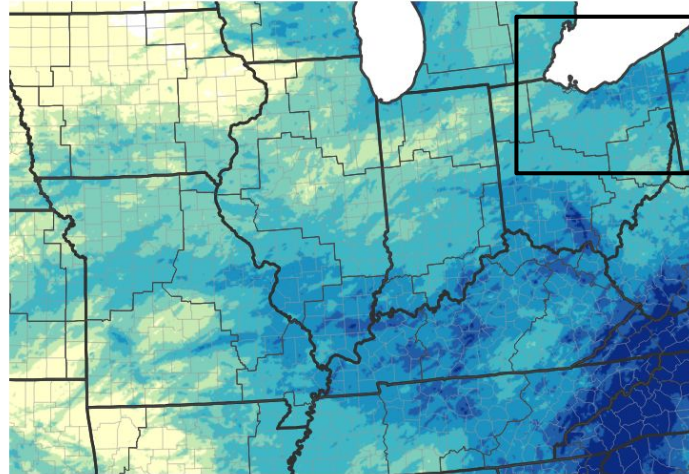




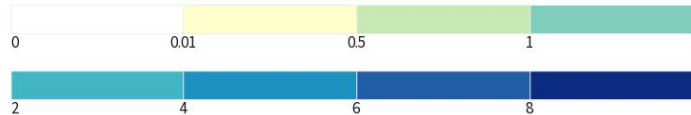
Precipitation

- Generally 2 to 5.5 inches of rainfall across north central Ohio, northeast Ohio, and northwest Pennsylvania over the past 30 days, equating to 100% to 150% of normal rainfall. Generally 0.75 to 2 inches of rainfall elsewhere, especially western Lucas county and the Findlay to Wooster corridor, equating to 30% to 75% of normal rainfall.

30-Day Precipitation Accumulations (Inches)



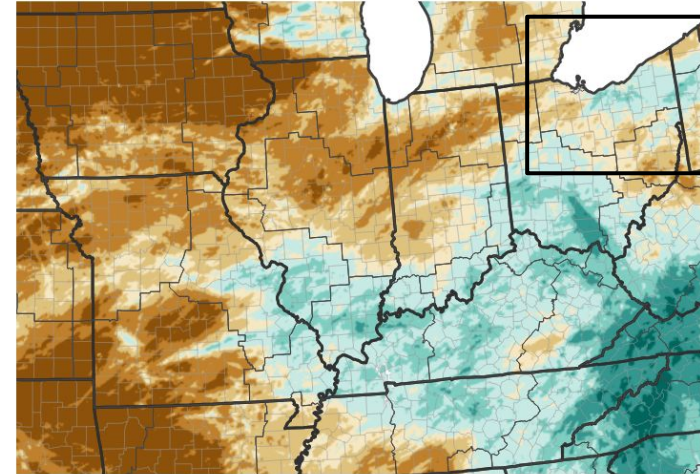
Inches of Precipitation



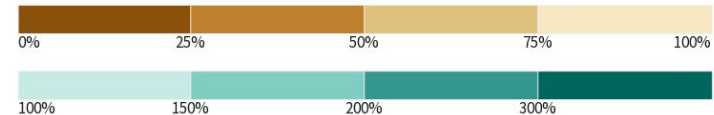
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 10/23/24

30-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: 10/23/24



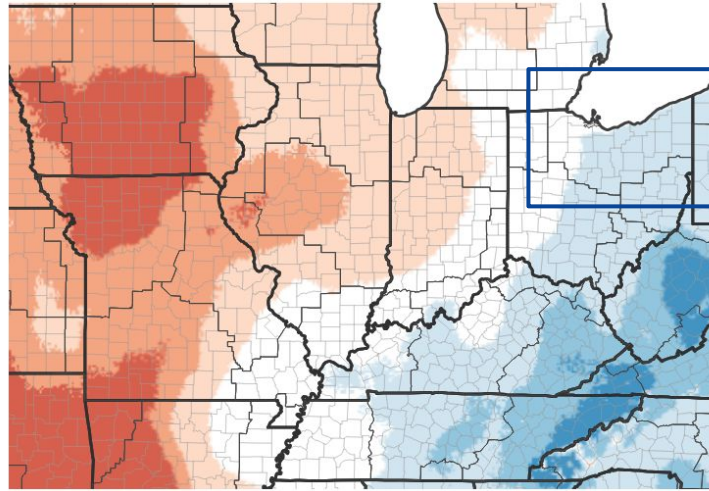


Temperature

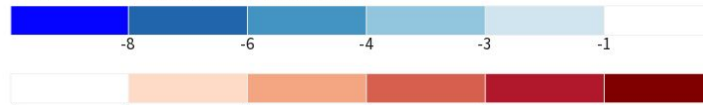
Link to [MRCC](#)

- Temperatures have been slightly below normal across northern Ohio and northwest Pennsylvania over the past 7 days (ending 10/19.) Temperatures have been above normal over the past 30 days (ending 10/19) ranging from 1 to 3 degrees above normal east to 4 to 6 degrees above normal west.

7-Day Temperature Anomaly



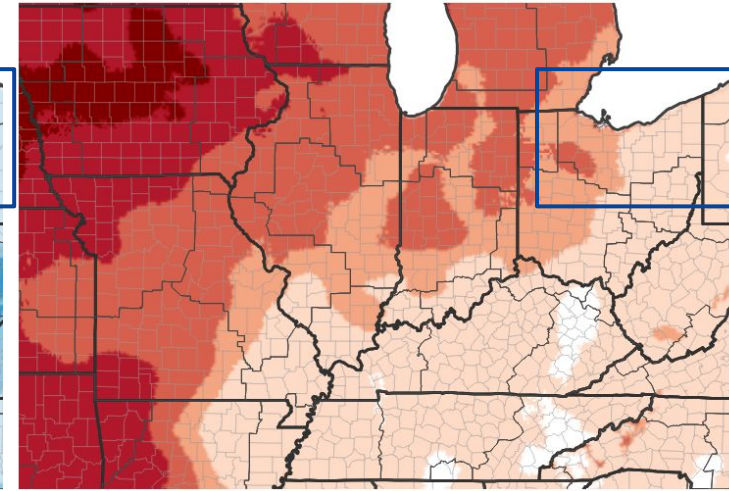
Departure from Normal Max Temperature (°F)



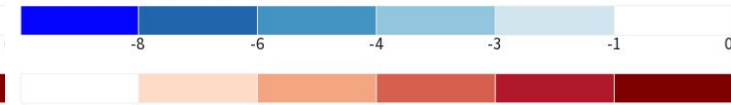
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 10/19/2

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: 10/19/24





Summary of Impacts

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

Hydrologic Impacts

- Streamflows are returning to abnormally low values across portions of the local area. ([USGS](#))

Agricultural Impacts

- Lower crop yields during fall harvest, especially across D1 and D2 areas. ([CoCoRaHS](#))
- Abnormally dry shallow soil moisture values across the area. ([CPC](#))

Fire Hazard Impacts

- No known impacts at this time.

Other Impacts

- Increased dusty conditions during harvest due to dry soils in northern Ohio. (State Climate Office of Ohio)

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.

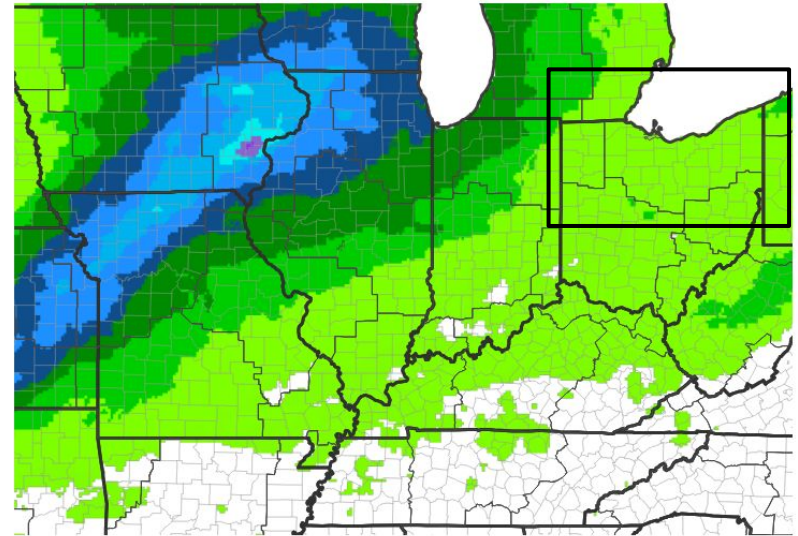




Seven Day Precipitation Forecast

- Limited rain chances through October 30th.
- Rainfall amounts generally less than one tenth of an inch over the next week.
- Best chances for rainfall across northern Ohio and northwest Pennsylvania is Friday. Rain chances don't return until late next week into next weekend.

7-Day Quantitative Precipitation Forecast for October 23, 2024–October 30, 2024



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

Last Updated: 10/23/24



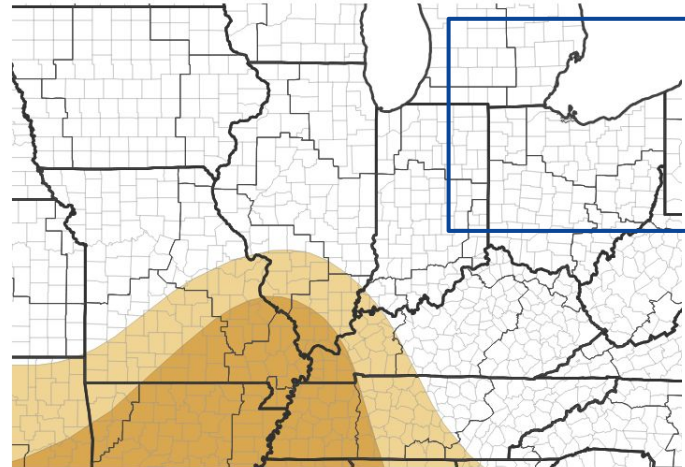


Long-Range Outlooks

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

- Latest monthly outlook for November indicates no strong signal for above or below normal precipitation.
- Chances are leaning towards above normal temperatures across northern Ohio and northwest Pennsylvania for November.

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



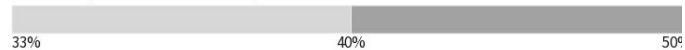
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



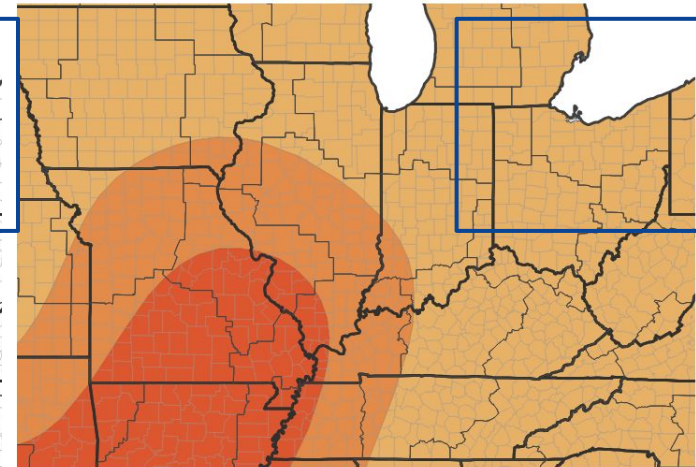
Probability of Near-Normal Precipitation



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

Last Updated: 10/17/24

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



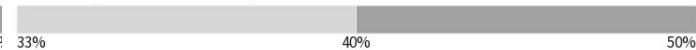
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



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

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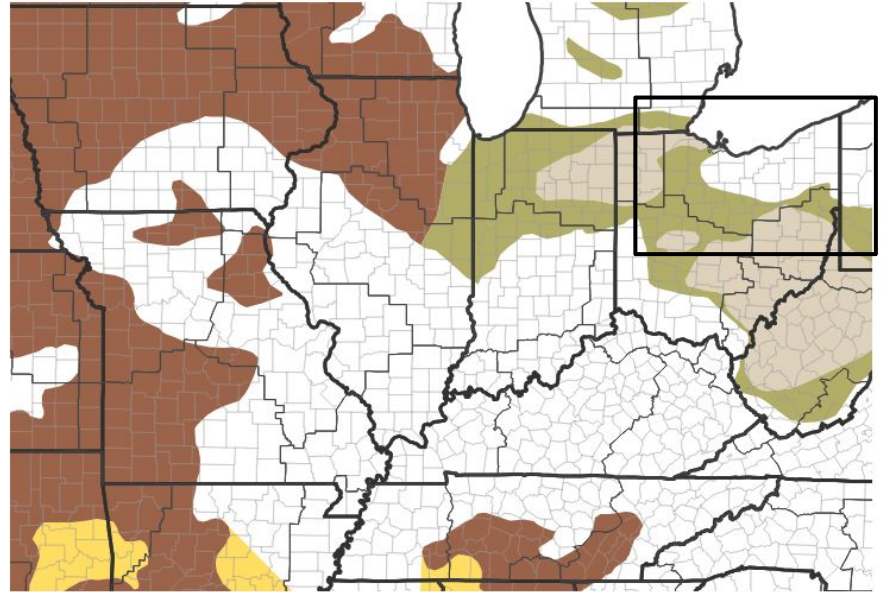


Drought Outlook

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

- Some improvement in drought conditions may occur late fall into winter based on the latest seasonal drought outlook.

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](#)



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

National Weather Service
Cleveland, OH