



# Drought Information Statement for Northern Ohio

Valid November 21, 2024

Issued By: NWS Cleveland

Contact Information: [nicholas.greenawalt@noaa.gov](mailto:nicholas.greenawalt@noaa.gov)

- This product will be updated by December 19, 2024 if severe drought conditions persist at that time.
- 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.

- Drought conditions have improved slightly from last week across northwest Ohio and remain the same elsewhere.
- Small area of Extreme Drought (D3) conditions just southwest of the Canton area.
- Improvement in drought conditions likely through the winter.





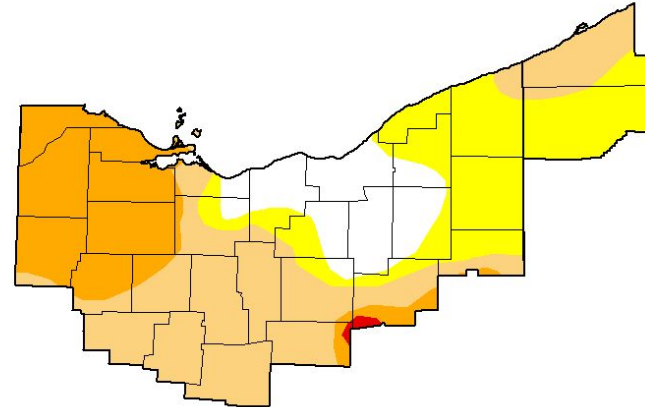
# U.S. Drought Monitor

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

- Drought intensity and Extent
  - **D3 (Extreme Drought)**: Extreme southwest Stark and northeast Holmes counties.
  - **D2 (Severe Drought)**: Much of northwest Ohio, small portions of Holmes, Wayne, Stark, and Mahoning counties.
  - **D1 (Moderate Drought)**: Much of north central and east central Ohio, small portions of northeast Ohio and northwest Pennsylvania.
  - **D0: (Abnormally Dry)**: Portions of north central Ohio, northeast Ohio, and northwest Pennsylvania.

## U.S. Drought Monitor Cleveland, OH WFO

**November 19, 2024**  
(Released Thursday, Nov. 21, 2024)  
Valid 7 a.m. EST



### 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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[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



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

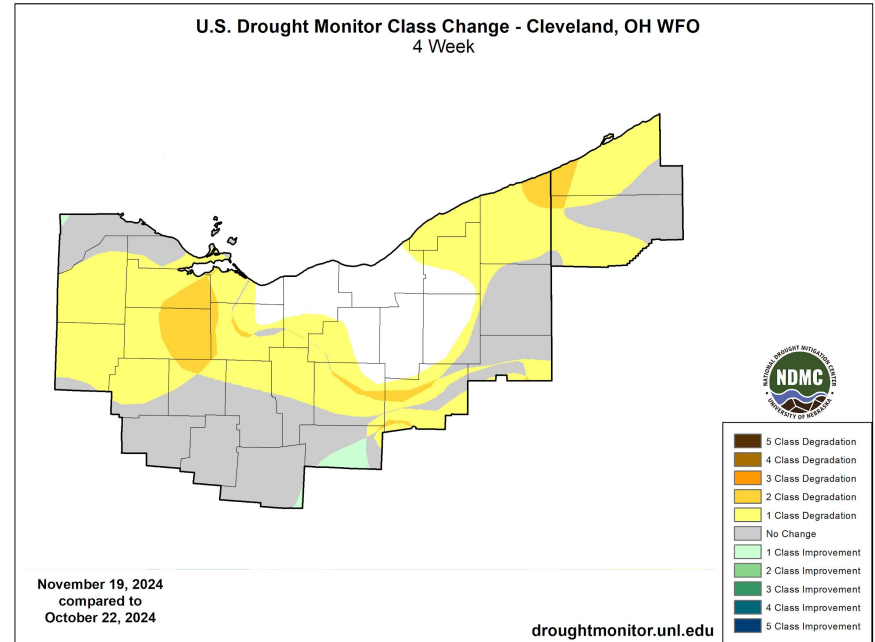
National Weather Service  
Cleveland, OH



# 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: Portions of northern Ohio along and near a line from Bowling Green southeast to Canton, and portions of the snow belt of northeast Ohio and northwest Pennsylvania.
  - No Change: Scattered portions of northern Ohio and northwest Pennsylvania.
  - Drought Improved: Small portion of Holmes and Knox counties.

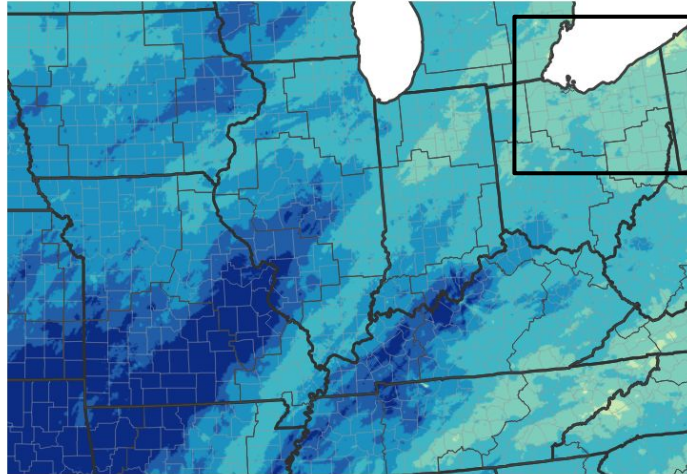




# Precipitation

- Generally 1.5 to 3 inches of rainfall across northern Ohio and portions of northwest Pennsylvania over the past 30 days, equating to 30% to 90% of normal rainfall. Generally 1 to 1.5 inches of rainfall across portions of Ashtabula and Erie (PA) counties, equating to 25% percent of normal rainfall.

### 30-Day Precipitation Accumulations (Inches)

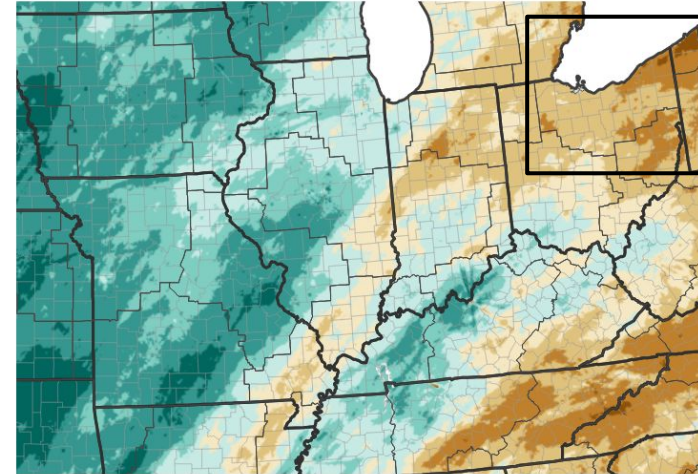


Inches of Precipitation

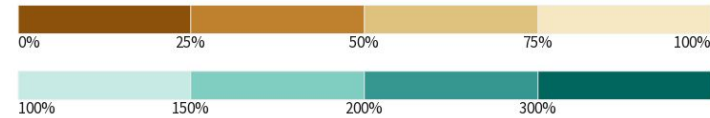


Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov Last Updated: 11/21/24

### 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: 11/21/24





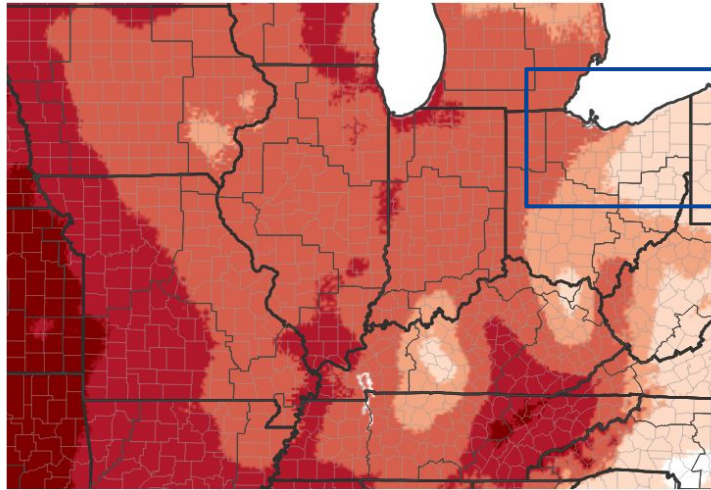


# Temperature

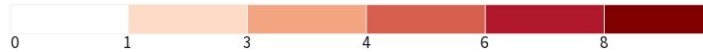
Link to [MRCC](#)

- Temperatures have been above normal across northern Ohio and northwest Pennsylvania over the past 7 days (ending 11/17.) Temperatures have been well above normal over the past 30 days (ending 11/17), generally 6 to 8 degrees above normal.

### 7-Day Temperature Anomaly



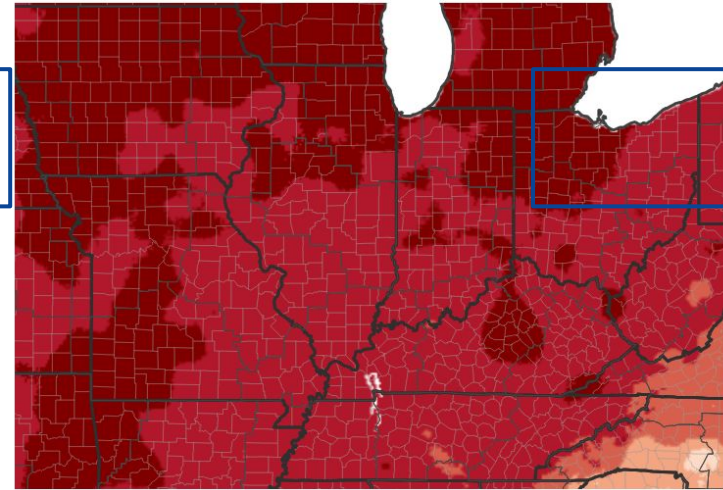
Departure from Normal Max Temperature (°F)



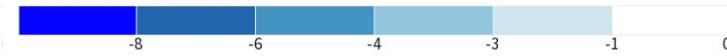
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 11/17/2

### 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: 11/17/24





# Summary of Impacts

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

## Hydrologic Impacts

- Streamflows are generally at below normal values across the local area where moderate drought (D1) or worse conditions are present. ([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

- No known impacts at this time.

## Mitigation Actions

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

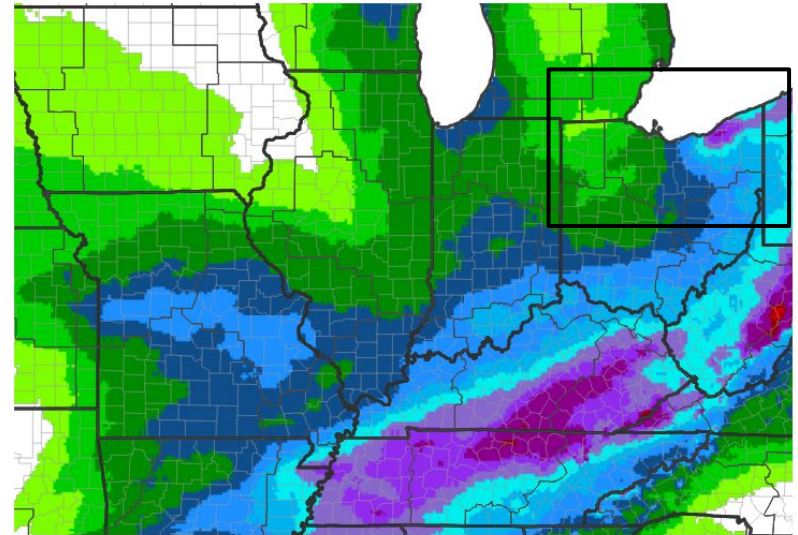




# Seven Day Precipitation Forecast

- Several precipitation chances through November 28th.
- Precipitation amounts generally less than one quarter of an inch across northwest Ohio to 1 to 2.5 inches in the snow belt regions of northeast Ohio and northwest Pennsylvania over the next week.
- Precipitation will be in the form of both rain and snow through the next seven days.

**7-Day Quantitative Precipitation Forecast for November 21, 2024–November 28, 2024**



**Predicted Inches of Precipitation**



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

Last Updated: 11/21/24



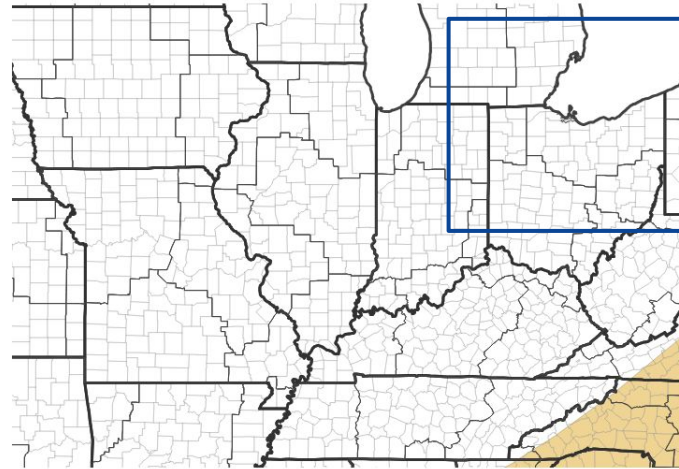


# Long-Range Outlooks

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

- Latest monthly outlook for December indicates no strong signal for above or below normal precipitation and temperatures.

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



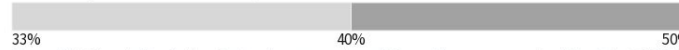
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



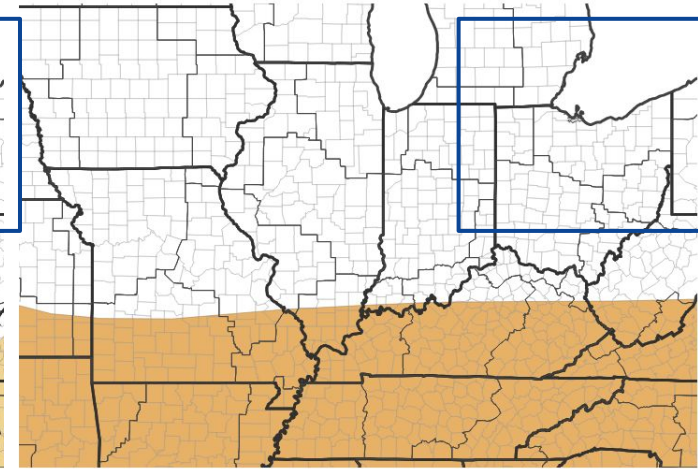
Probability of Near-Normal Precipitation



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

Last Updated: 11/21/24

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



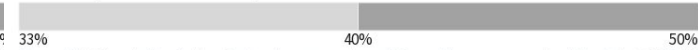
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



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

Last Updated: 11/21/24





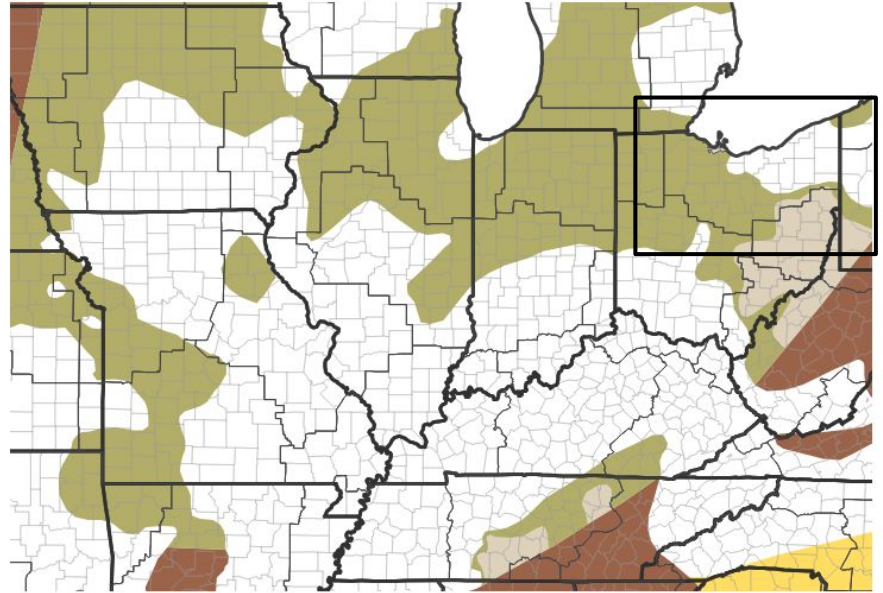


# Drought Outlook

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

- Drought conditions are predicted to improve and/or end across northern Ohio and northwest Pennsylvania through the winter based on the latest seasonal drought outlook.

**Seasonal (3-Month) Drought Outlook for November 21, 2024–February 28, 2025**



**Drought Is Predicted To...**



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

Last Updated: 11/21/24

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