Drought Information Statement for Northern Ohio

Valid September 19, 2024

Issued By: NWS Cleveland

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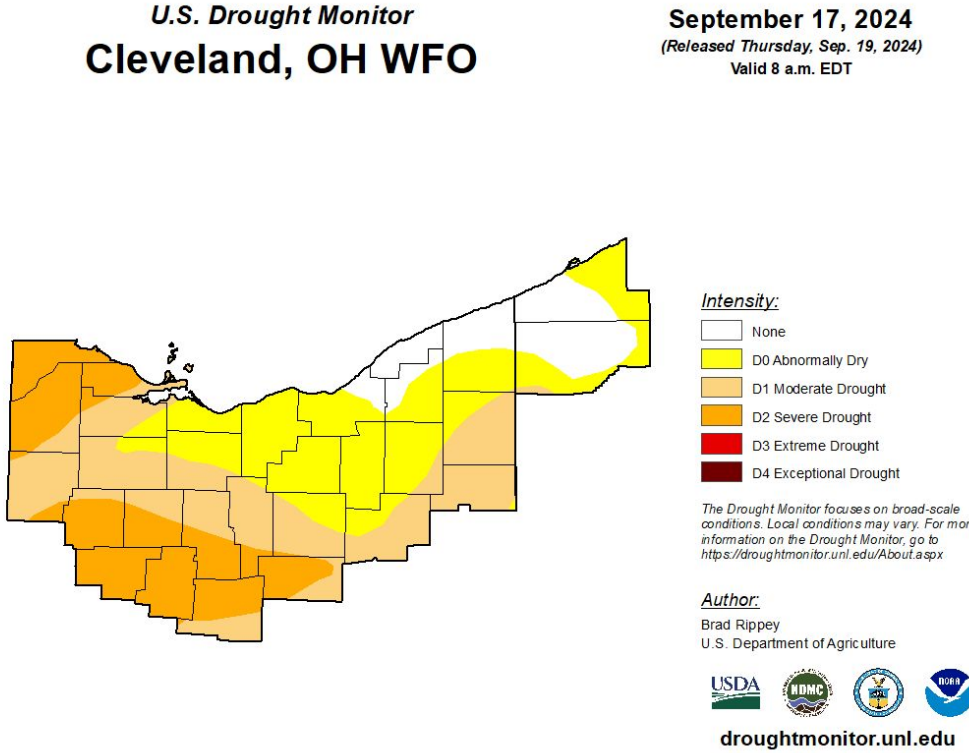
- This product will be updated September 26, 2024.
- Please see all currently available products at https://drought.gov/drought-information-statements.
- Please visit https://www.weather.gov/cle/DroughtInformationStatement for previous statements.
- Please visit https://www.drought.gov/drought-status-updates for regional drought status updates.

- Continued northward expansion of drought across northern Ohio and northwest Pennsylvania
- Severe (D2) Drought conditions expand to 24% of the NWS Cleveland forecast area.
- More active pattern may bring rainfall to the area over the next week.

U.S. Drought Monitor

Link to the latest U.S. Drought Monitor for Northern Ohio and Northwest Pennsylvania

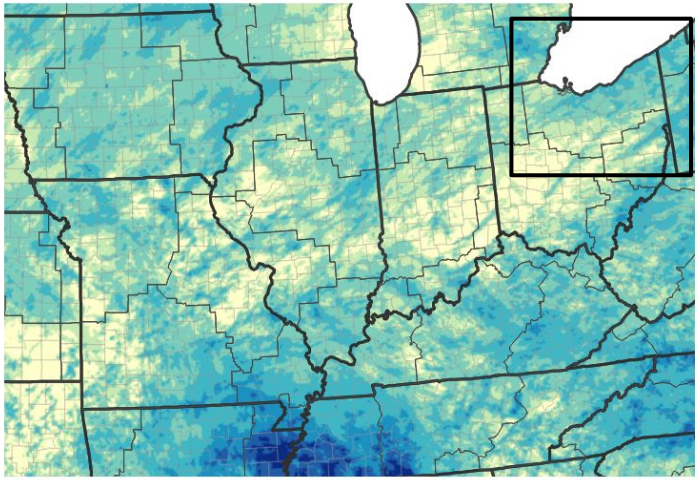
- Drought intensity and Extent
  - **D2 (Severe Drought)**: Lucas, Wood, Ottawa counties, including small portions of Sandusky and Hancock counties. Most of Wyandot, Crawford, Richland, Holmes, Marion, Morrow and Knox counties, including a small portion of southern Ashland county.
  - **D1 (Moderate Drought)**: Portions of northern Ohio along and north of the U.S. 30 corridor.
  - **D0: (Abnormally Dry)**: Most of north central and northeast Ohio, portions of northwest Pennsylvania.



Precipitation

- Generally 2 to 4 inches of rainfall across northeast Ohio and northwest Pennsylvania over the past 30 days, with areas to the south and west with 2 inches or less of rainfall. Most of the area has received below normal rainfall over the past 30 days, with D2 areas receiving 25% or less percent of normal rainfall.

30-Day Precipitation Accumulations (Inches)



Inches of Precipitation

0 0.01 0.5 1 2

2 4 6 8

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

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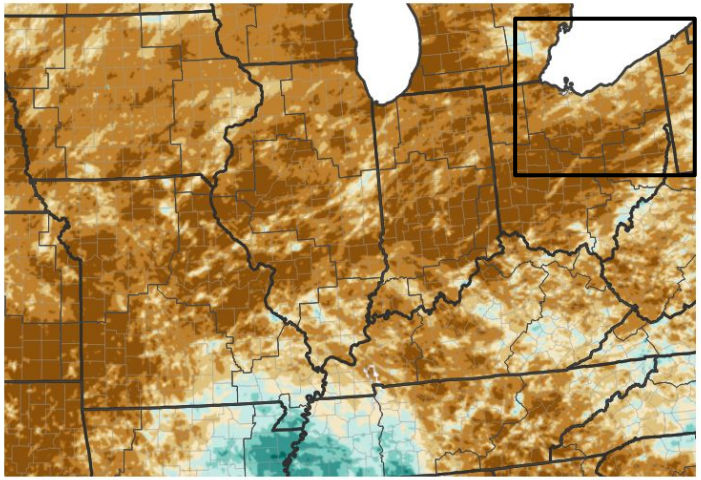
30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)

0% 25% 50% 75% 100%

100% 150% 200% 300%

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

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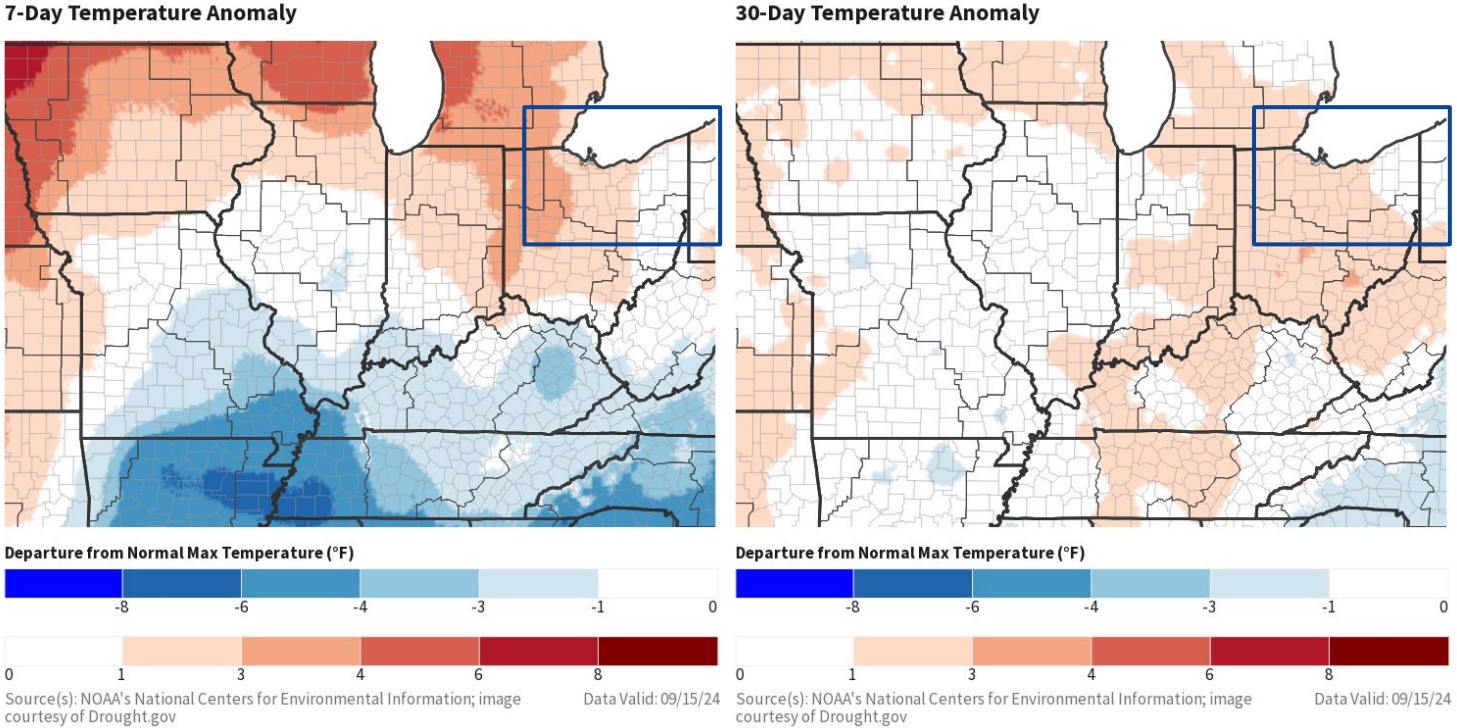
Temperature

Link to MRCC

- Temperatures have been near normal across northeast Ohio and northwest Pennsylvania over the past 7 and 30 days, with temperatures 1 to 3 degrees above normal across northwest and north central Ohio.



Summary of Impacts

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

Hydrologic Impacts

- Streamflows are abnormally low across portions of the D1 and D2 areas.
- Water levels on small creeks and ponds are low across the area. (Source)

Agricultural Impacts

- Corn crops are brown and soybean leaves are yellowing in D1 and D2 areas. (Source)
- Abnormally dry shallow soil moisture values across the area. (Source)

Fire Hazard Impacts

- Low humidity, dry fuels, and periodic breezy winds may result in elevated fire danger in dry locations. (Source)

Other Impacts

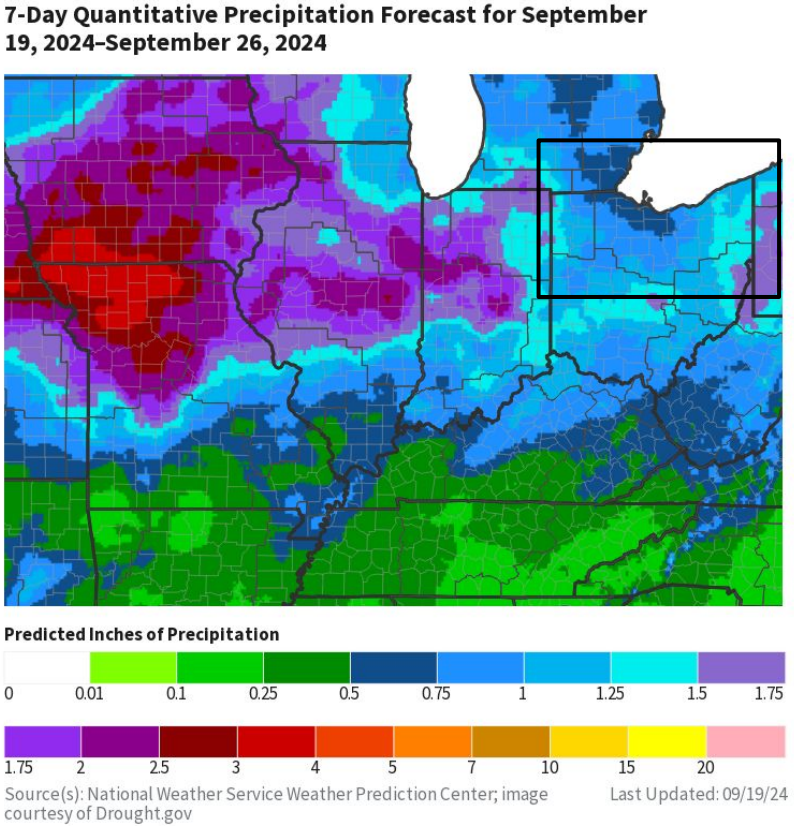
- Unwatered lawns have turned brown with grass becoming dormant in D0 to D2 locations, with the most widespread impacts in the D2 area. (Source)
- Trees are losing leaves in all dry locations. (Source)

Mitigation Actions

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

Seven Day Precipitation Forecast

- A more active pattern will bring some rainfall chances to the area over the next week.
- Low chances of scattered/isolated rainfall Friday and Saturday, widespread rainfall chances are low.
- Best chances for rainfall across northern Ohio and northwest Pennsylvania is Monday into Tuesday.
- Total rainfall amounts over the next 7 days of 0.50” to 1.00” possible.

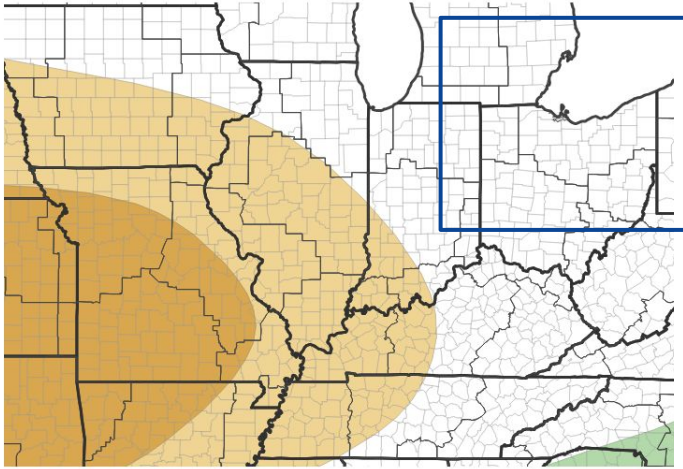


Long-Range Outlooks

The latest monthly and seasonal outlooks can be found on the CPC homepage

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

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



Probability of Below-Normal Precipitation

33% 40% 50% 60% 70% 80% 90% 100%

Probability of Above-Normal Precipitation

33% 40% 50% 60% 70% 80% 90% 100%

Probability of Near-Normal Precipitation

33% 40% 50%

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

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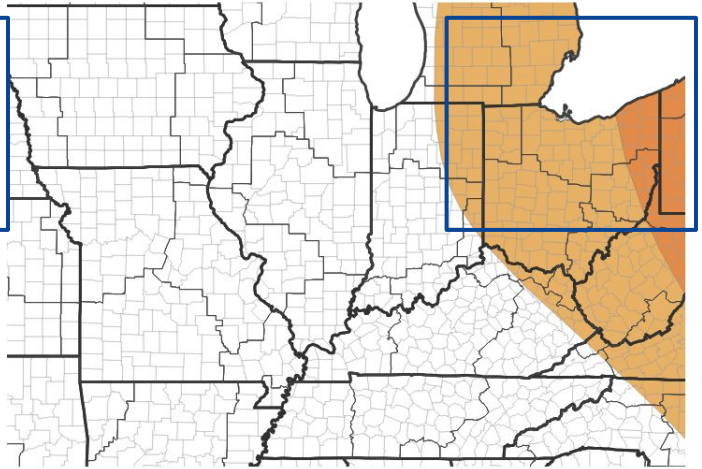
Monthly Temperature Outlook for October 1, 2024–October 31, 2024



Probability of Below-Normal Temperatures

33% 40% 50% 60% 70% 80% 90% 100%

Probability of Above-Normal Temperatures

33% 40% 50% 60% 70% 80% 90% 100%

Probability of Near-Normal Temperatures

33% 40% 50%

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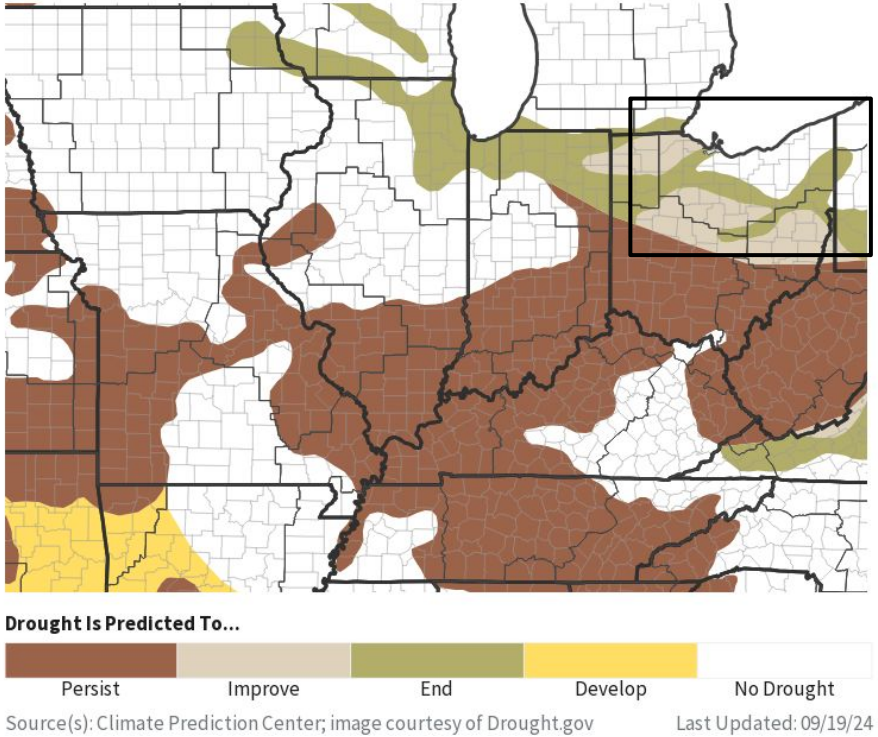
Drought Outlook

The latest monthly and seasonal outlooks can be found on the CPC homepage

- Drought conditions are likely to persist through the end of September.
- Some improvement in drought conditions may occur in October and November based on the latest seasonal drought outlook.

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



Links to the latest:
Climate Prediction Center Monthly Drought Outlook
Climate Prediction Center Seasonal Drought Outlook