

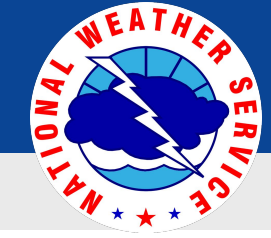


Drought Information Statement for Eastern Ohio, Northern West Virginia and Western Pennsylvania Valid September 19, 2024

Issued By: NWS Pittsburgh, PA

- This product will be updated October 3, 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/pbz/DroughtInformationStatement> for previous statements.
-
- Exceptional drought has been expanded to add more of Guernsey county in eastern Ohio.
 - Extreme drought has been added to Tucker county, WV.





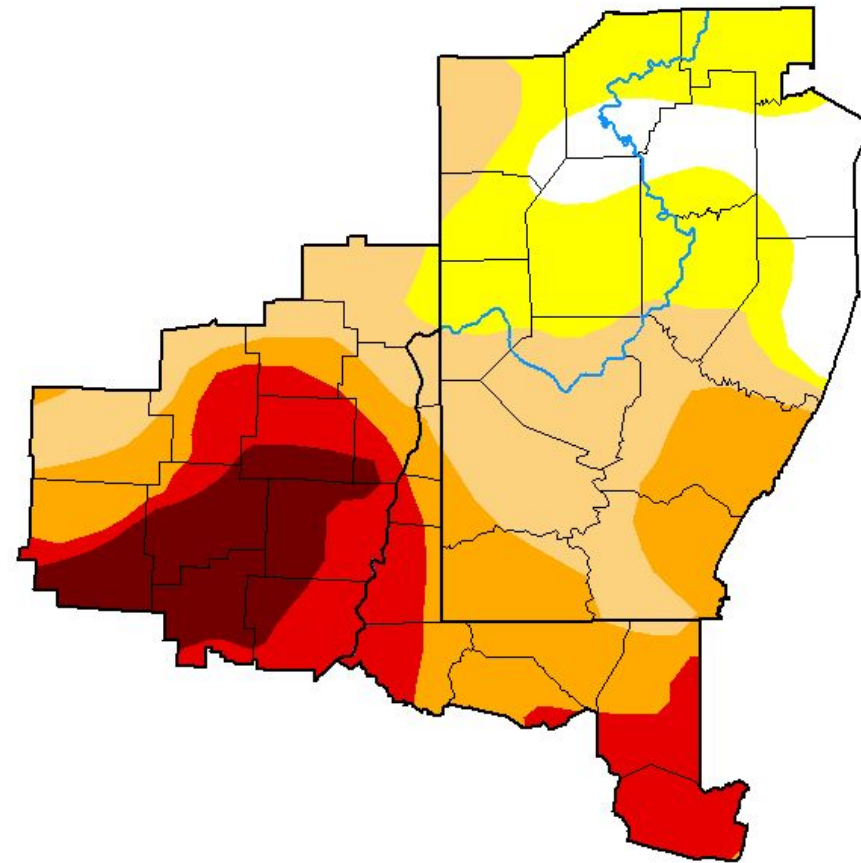
U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for eastern Ohio, northern West Virginia, and western Pennsylvania

- Drought intensity and Extent
 - **D4 (Exceptional Drought)**: Portions of Muskingum, Noble, Guernsey, Harrison, Belmont, and Monroe counties in OH.
 - **D3 (Extreme Drought)**: Much of the rest of the aforementioned counties (above), Tuscarawas, Carroll, and Jefferson OH, the northern WV panhandle, Marion, Preston, and Tucker counties in WV.
 - **D2 (Severe Drought)**: eastern OH, northern WV, and portions of Washington, Greene, Fayette and Westmoreland in PA
 - **D1 (Moderate Drought)**: eastern Ohio and western PA from I-76 southward plus portions of Lawrence and Mercer counties in PA.
 - **D0: (Abnormally Dry)**: Much of the rest of the region except for portions of the counties along the I-80.

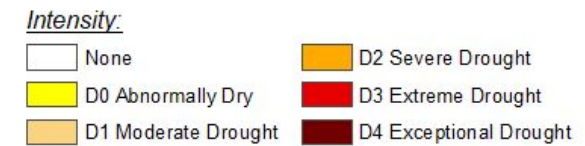
U.S. Drought Monitor Pittsburgh, PA WFO

September 17, 2024
(Released Thursday, Sep. 19, 2024)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	9.49	90.51	70.90	45.87	24.29	9.29
Last Week 09-10-2024	12.50	87.50	66.77	43.03	22.64	7.61
3 Months Ago 06-18-2024	76.67	23.33	1.10	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	94.97	5.03	0.00	0.00	0.00	0.00
Start of Water Year 09-26-2023	80.00	20.00	0.11	0.00	0.00	0.00
One Year Ago 09-19-2023	91.42	8.58	0.12	0.00	0.00	0.00

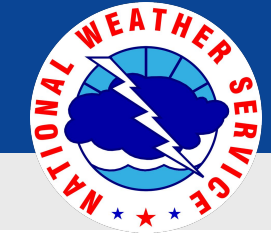


The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Brad Rippey
U.S. Department of Agriculture



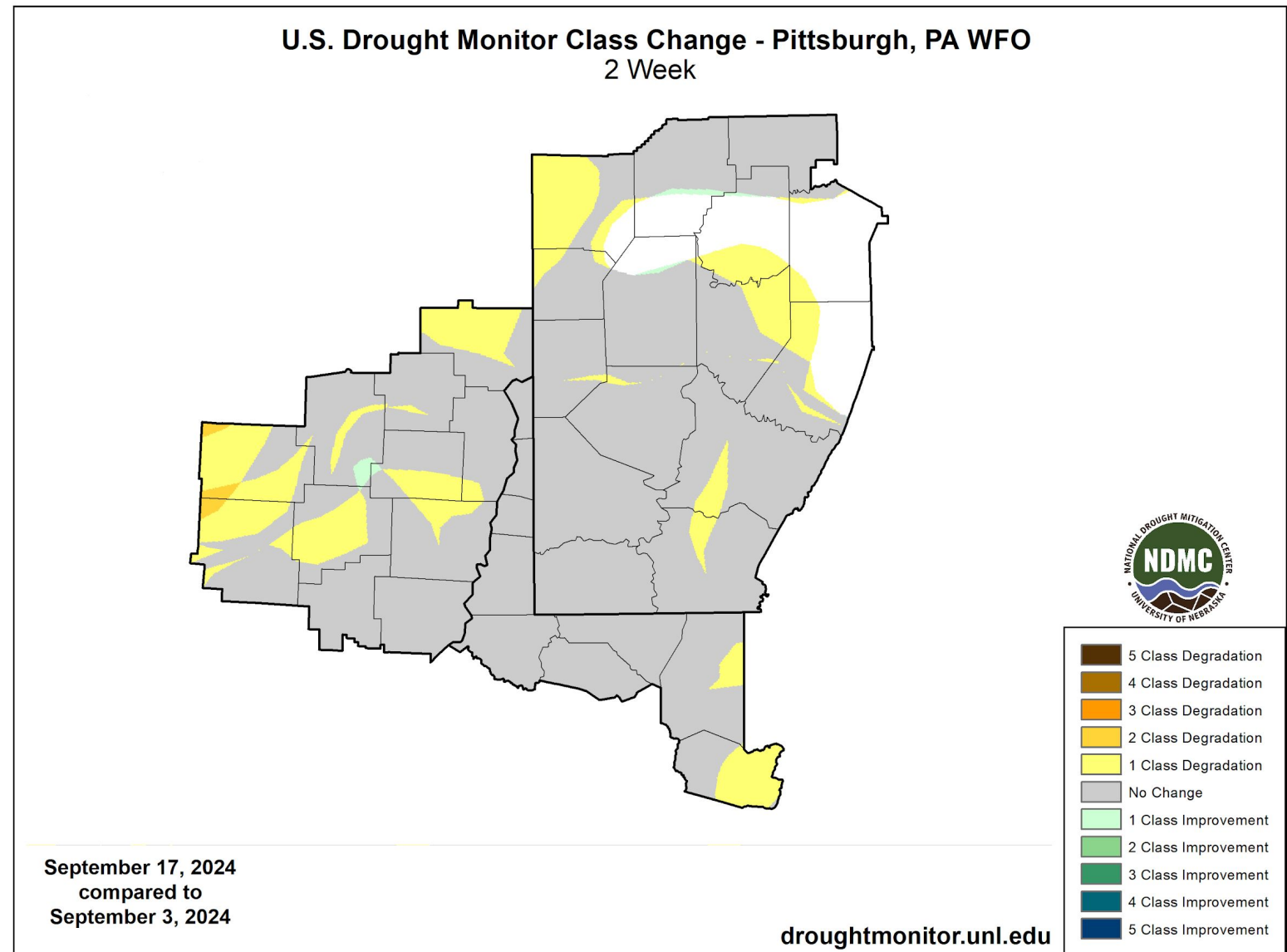
droughtmonitor.unl.edu

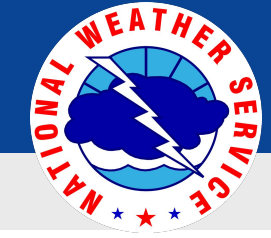


Recent Change in Drought Intensity

Link to the latest [2-week change map](#) for eastern Ohio, northern West Virginia, and western Pennsylvania

- Two Week Drought Monitor Class Change.
 - Drought Worsened:
 - across Coshocton, Muskingum, Guernsey, Harrison, and Belmont counties in OH.
 - Portions of Preston and Tucker counties in WV.
 - Small sections of Lawrence, Mercer, Armstrong, and Clarion counties in PA.
 - No Change: much if southwestern PA, Venango and Forest PA, and the northern panhandle of WV.
 - Drought Improved: None.

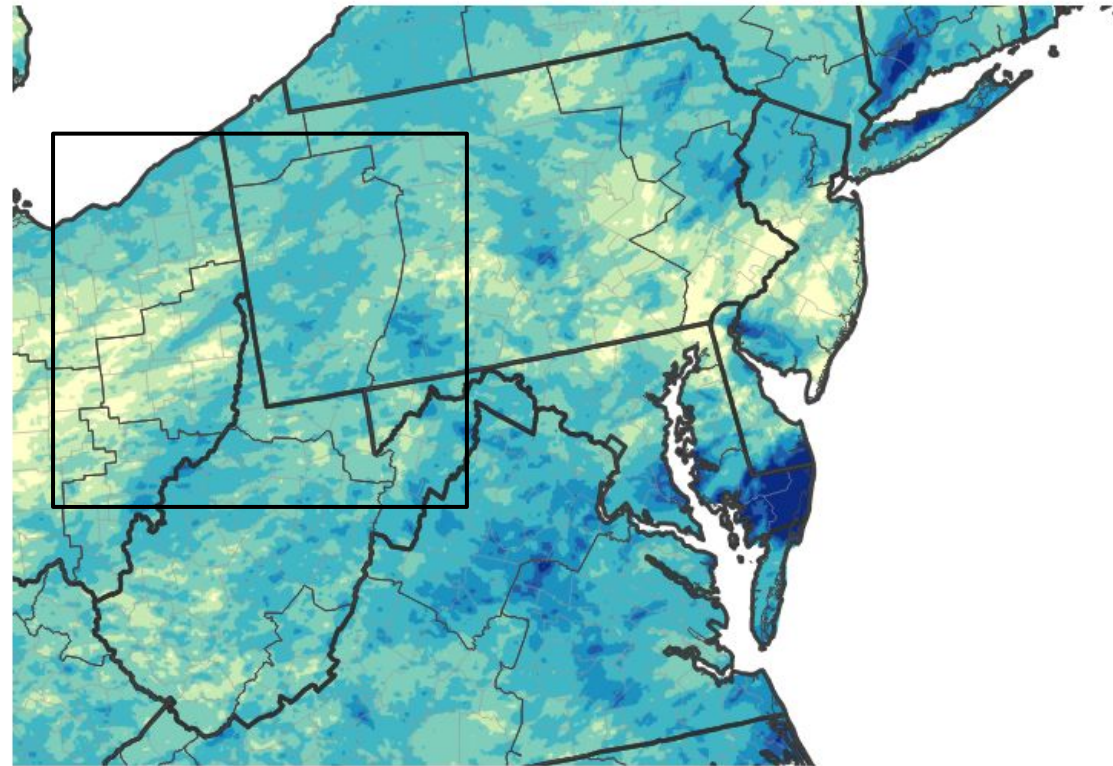




Precipitation

- There has been very little precipitation over the last 7 days, with only pockets of precipitation under 0.25 inch in the last 24 hours
- In the past 30 days, some areas in east central Ohio received less than 0.10 inch.
- For much of the region, precipitation is between 25%-50% of normal, while eastern Ohio is less than 25% of normal.

30-Day Precipitation Accumulations (Inches)



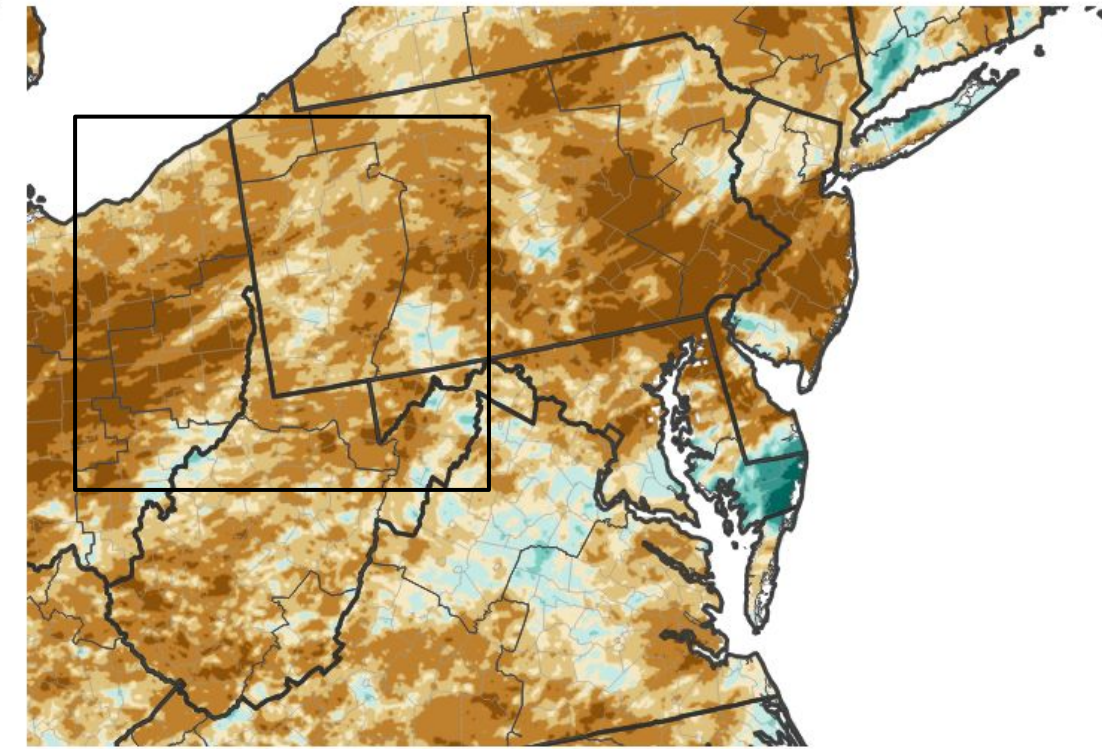
Inches of Precipitation



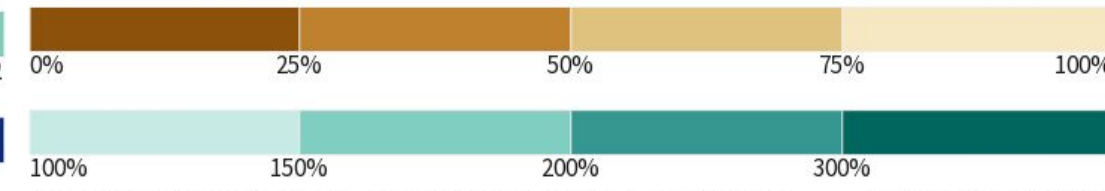
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 09/19/24

30-Day Percent of Normal Precipitation



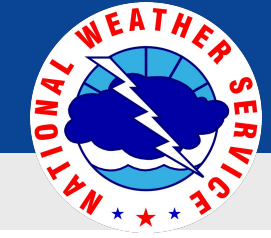
Percent of Normal Precipitation (%)



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

Last Updated: 09/19/24

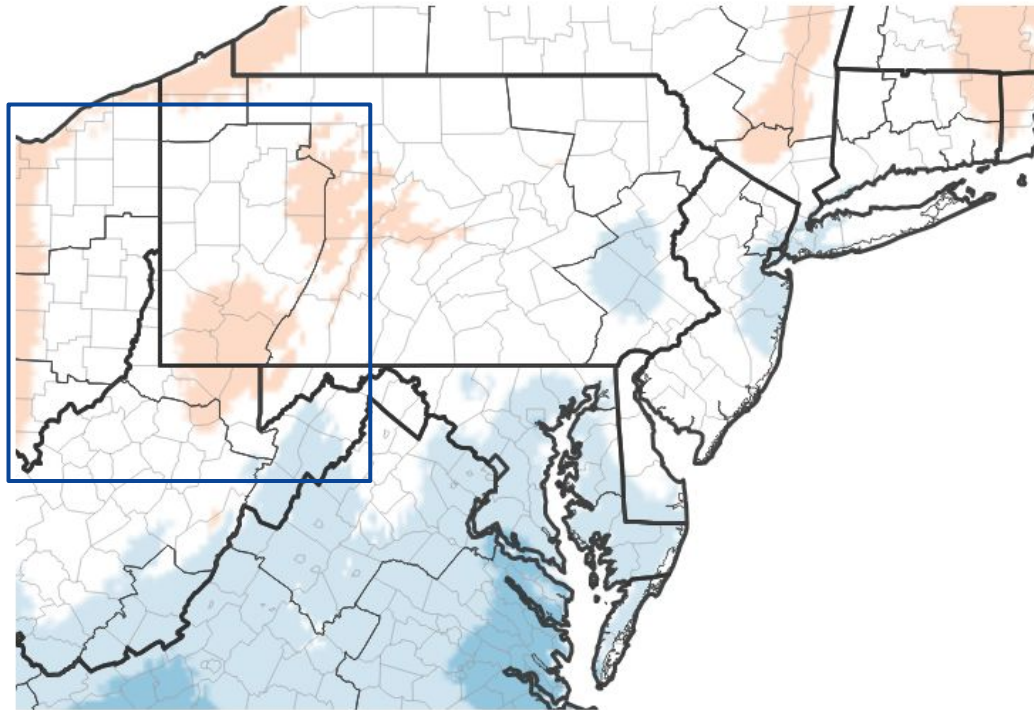




Temperature

- Temperatures were closer to normal over the last week.
- However, the average temperature over the last 30 days remains slightly warmer than average in the areas hit hardest by drought.

7-Day Temperature Anomaly



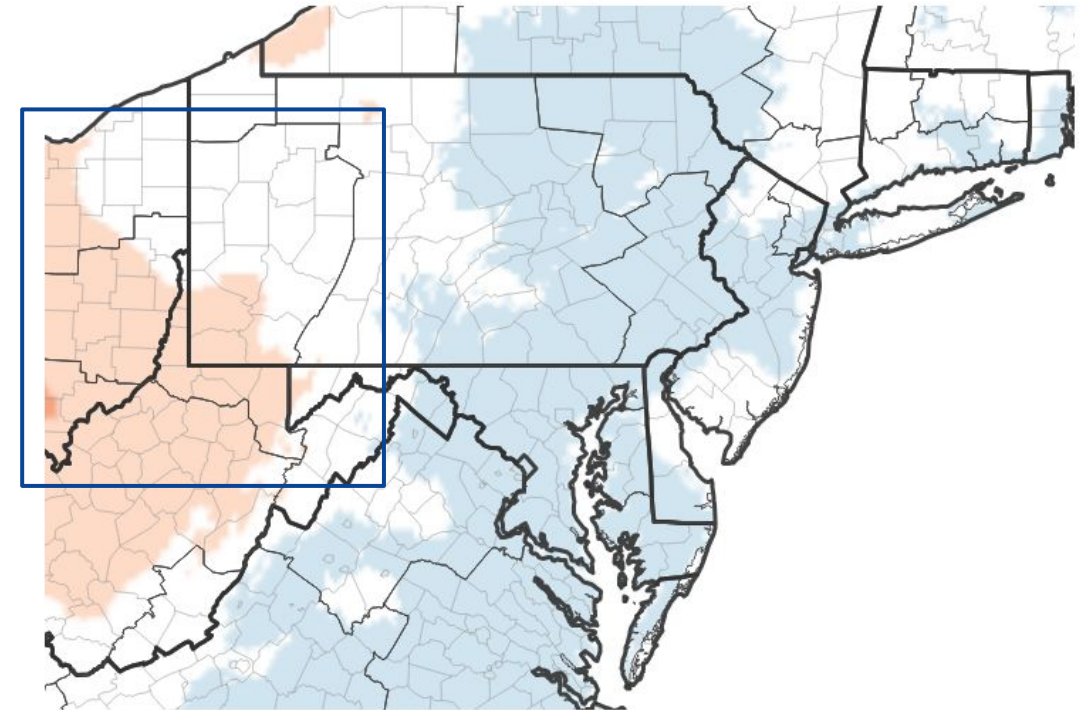
Departure from Normal Max Temperature (°F)



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

Data Valid: 09/15/24

30-Day Temperature Anomaly



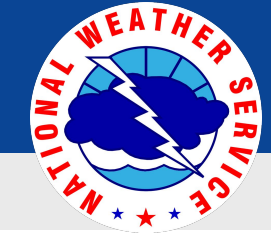
Departure from Normal Max Temperature (°F)



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

Data Valid: 09/15/24





Summary of Impacts

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

Hydrologic Impacts

- Streamflows remain well below normal in both the last 14 and 30 day timeframes, especially in the Cheat, Monongahela, Ohio and Muskingum River basins and sub-basins.
- Private wells are low or completely dry in OH and WV.

Agricultural Impacts

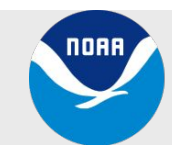
- Soil moisture remains in the 1-5% over much of eastern Ohio and northern West Virginia.
- Hay and pasture are poor or very poor across OH and WV. [USDA](#)
- Farmers are hauling water for livestock and supplemental feeding.

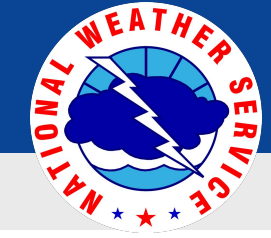
Fire Hazard Impacts

- Significant Wildfire Potential Outlook is above normal for portions of eastern Ohio, northern West Virginia, and southwestern Pennsylvania. [NIFC](#)
- Burn Ban in effect in Extreme and Exceptional drought areas in OH.

Mitigation Actions

- Some voluntary water restrictions have been put in place.





Hydrologic Conditions and Impacts

- Streamflows are running well below normal across the Cheat, Youghiogheny, Monongahela, Ohio and Muskingum basins.
- Groundwater well are below normal in portions of WV and PA.
- There have been several pictures of completely dry creeks across all three states (OH, WV, PA)
- Several reservoirs are below summer pool levels and at levels more appropriate of November/December.

Wednesday, September 18, 2024

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			

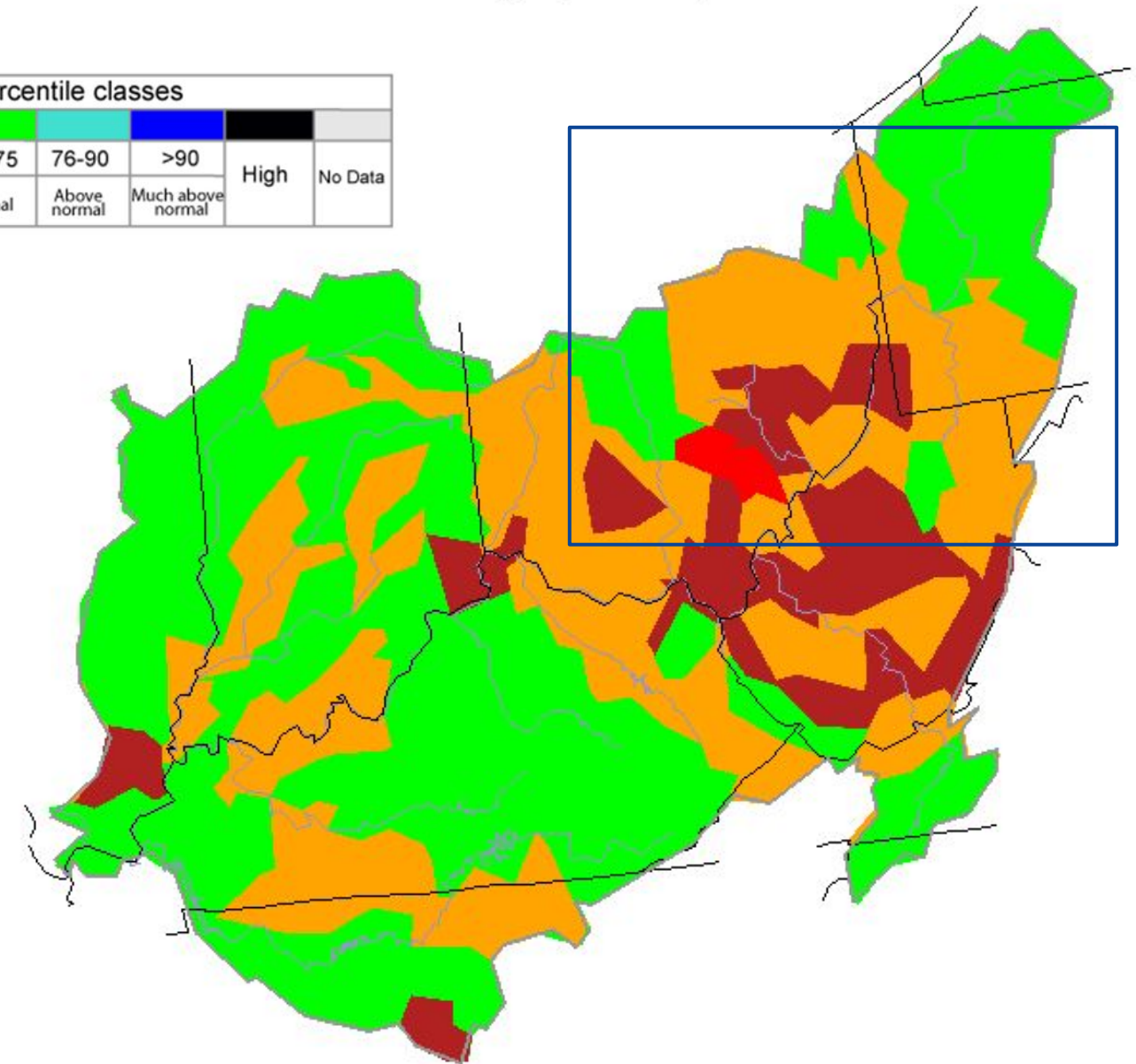
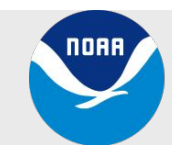
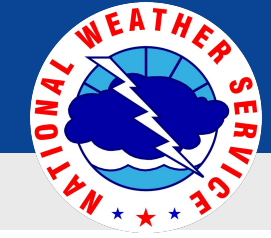


Image Caption: USGS 28 day average streamflow HUC map valid 09/18/2024

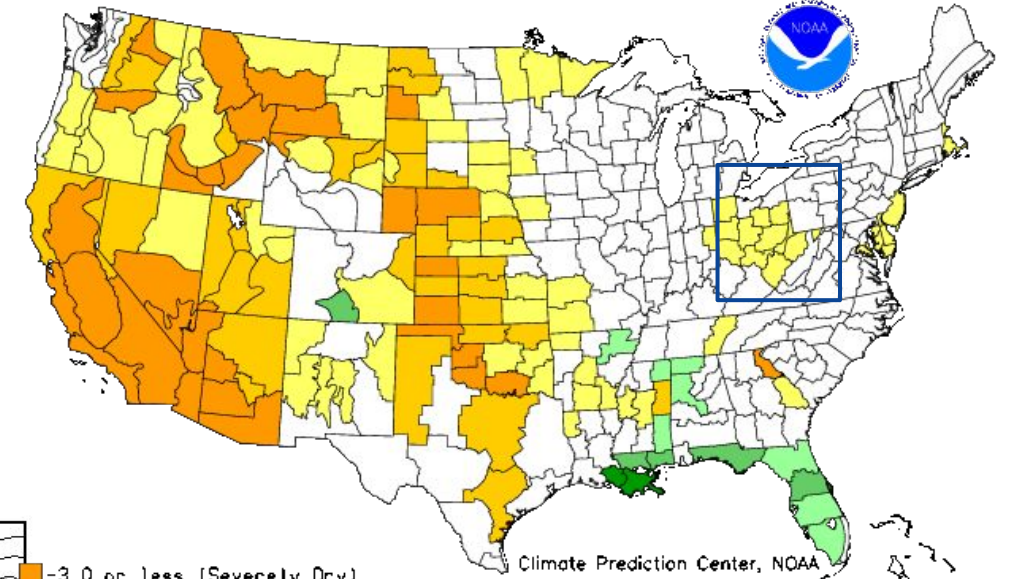




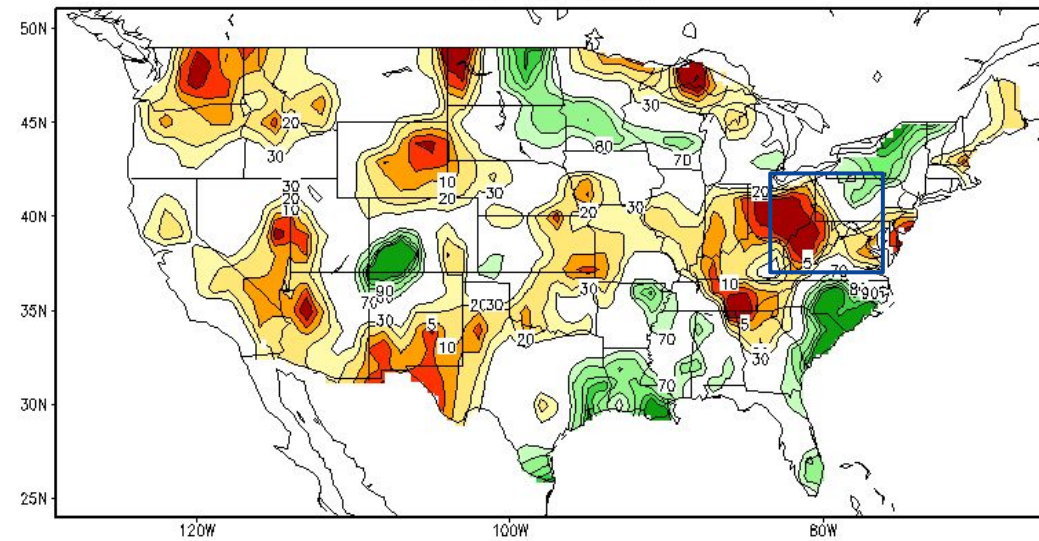
Agricultural Impacts

- Pasture and crop conditions are poor or very poor across portions of OH and WV.
 - 98% of WV pastures are rated very poor to poor.
 - There are reports of crop yield loss in WV, OH, and PA
- Supplemental feeding of bees and pollinators.
- Supplemental feeding of livestock
 - Reports of livestock being sold due to lack of feed/water

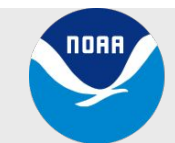
Crop Moisture Index by Division
 Weekly Value for Period Ending SEP 14, 2024
 Short Term Need vs. Available Water in a Shallow Soil Profile

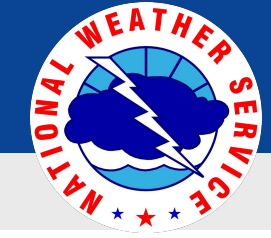


Calculated Soil Moisture Ranking Percentile
 SEP 18, 2024



- -3.0 or less (Severely Dry)
- -2.0 to -2.9 (Excessively Dry)
- -1.0 to -1.9 (Abnormally Dry)
- -0.9 to +0.9 (Slightly Dry/Favorably Moist)
- +1.0 to +1.9 (Abnormally Moist)
- +2.0 to +2.9 (Wet)
- +3.0 and above (Excessively Wet)



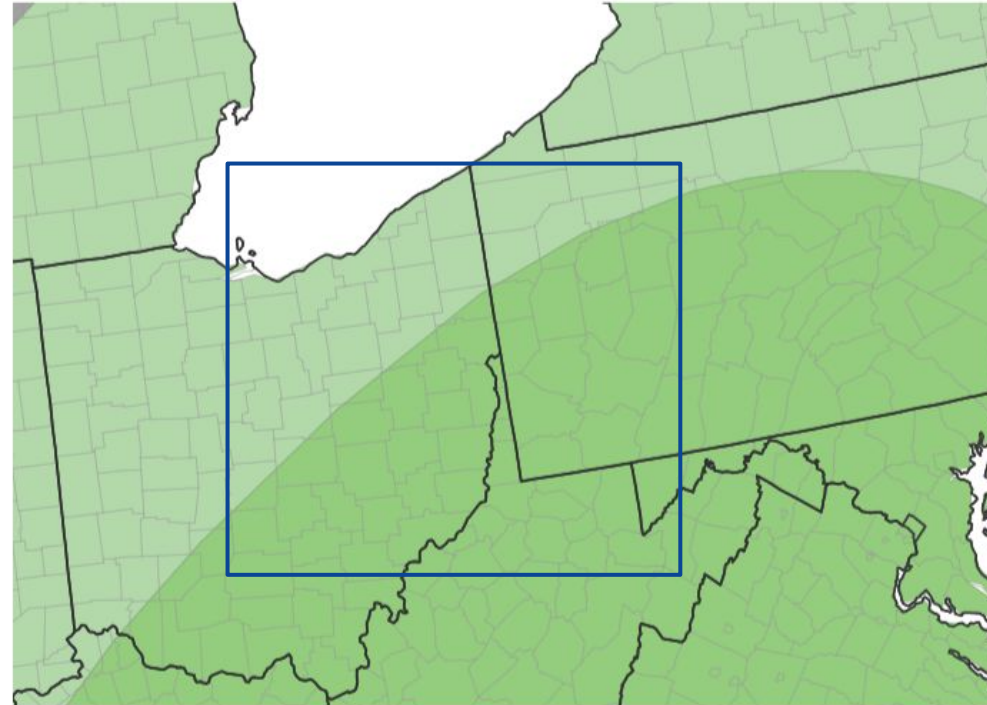


Long-Range Outlooks

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

- Increasing southwesterly flow will return moisture to the region. At this time, the 6-10 day outlook is projecting warmer than average temperatures and precipitation slightly above normal (33-50%).

6-10 Day Precipitation Outlook for September 24-28, 2024



Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation

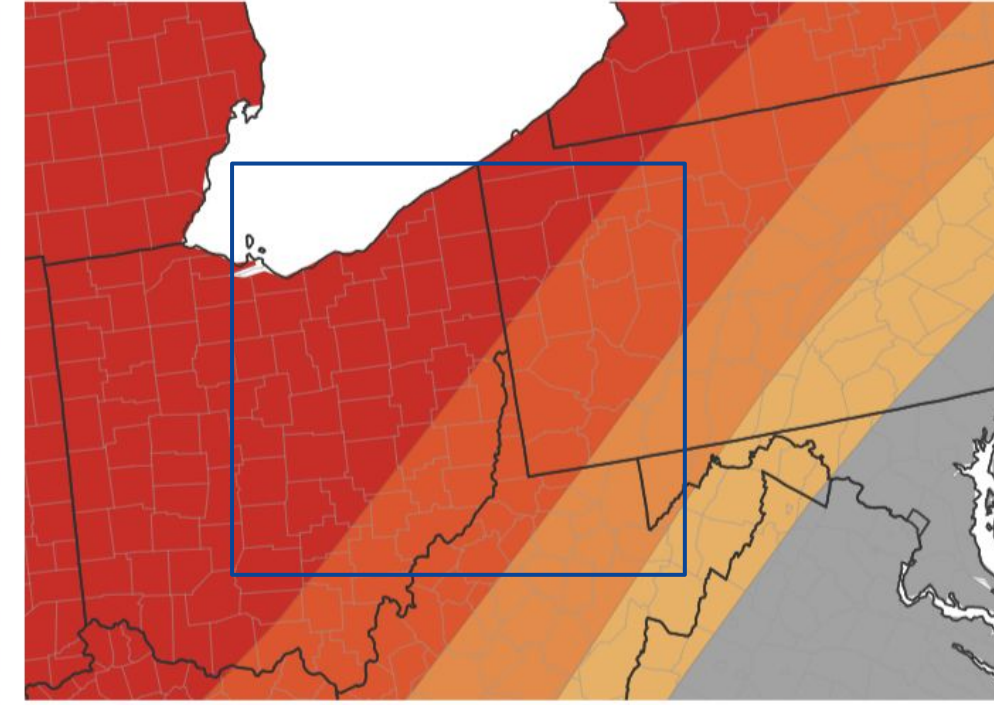


■ Near-Normal Conditions

Source(s): Climate Prediction Center
Last Updated: 09/18/24

Drought.gov

6-10 Day Temperature Outlook for September 24-28, 2024



Probability of Below-Normal Temperatures



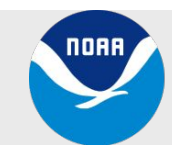
Probability of Above-Normal Temperatures



■ Near-Normal Conditions

Source(s): Climate Prediction Center
Last Updated: 09/18/24

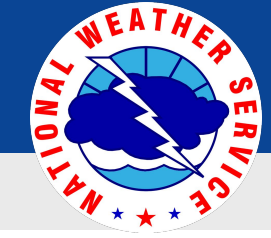
Drought.gov



National Oceanic and Atmospheric Administration

U.S. Department of Commerce

National Weather Service
Pittsburgh, PA

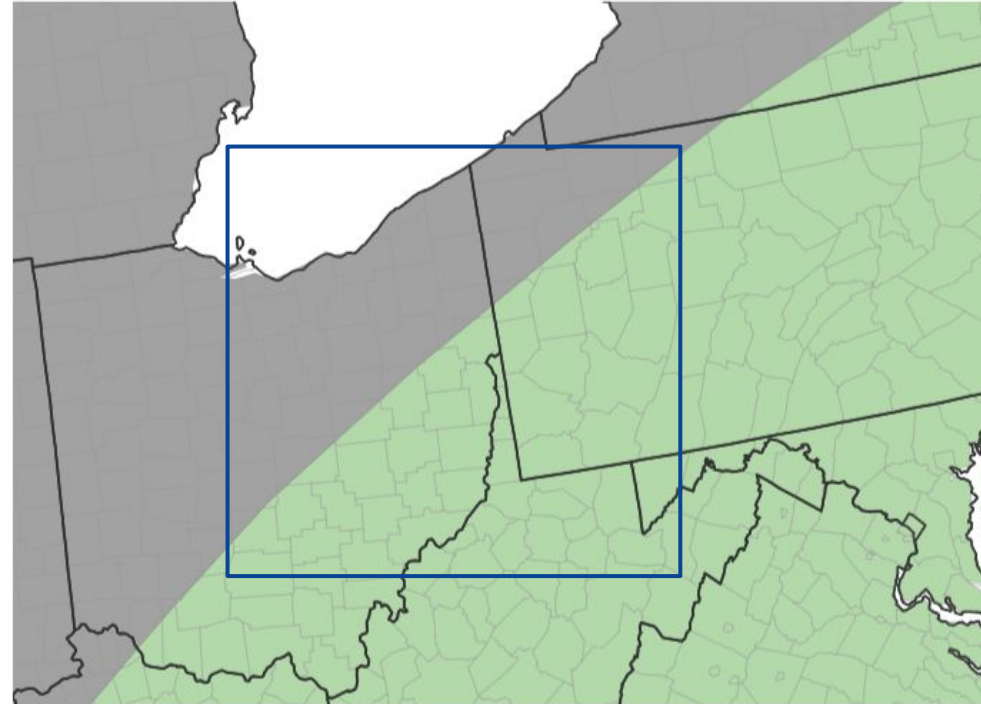


Long-Range Outlooks

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- 8-14 is projecting near or slightly above average precipitation and above normal temperatures.

8-14 Day Precipitation Outlook for September
26-October 2, 2024



Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation

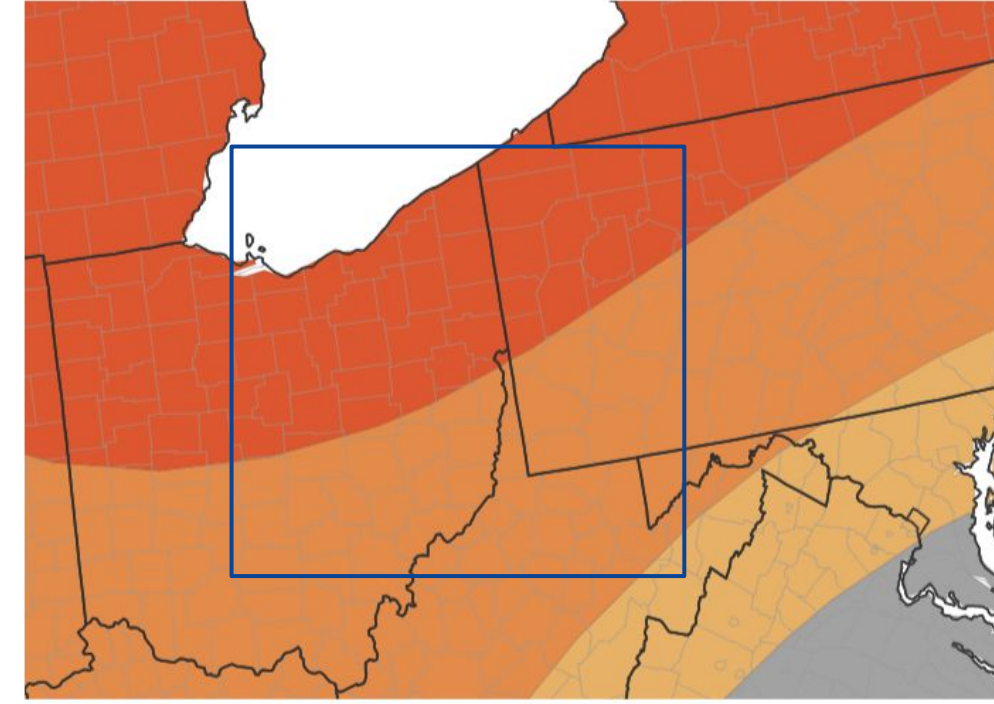


■ Near-Normal Conditions

Source(s): Climate Prediction Center
Last Updated: 09/18/24

Drought.gov

8-14 Day Temperature Outlook for September
26-October 2, 2024



Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures

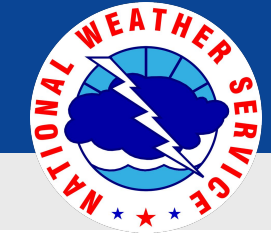


■ Near-Normal Conditions

Source(s): Climate Prediction Center
Last Updated: 09/18/24

Drought.gov



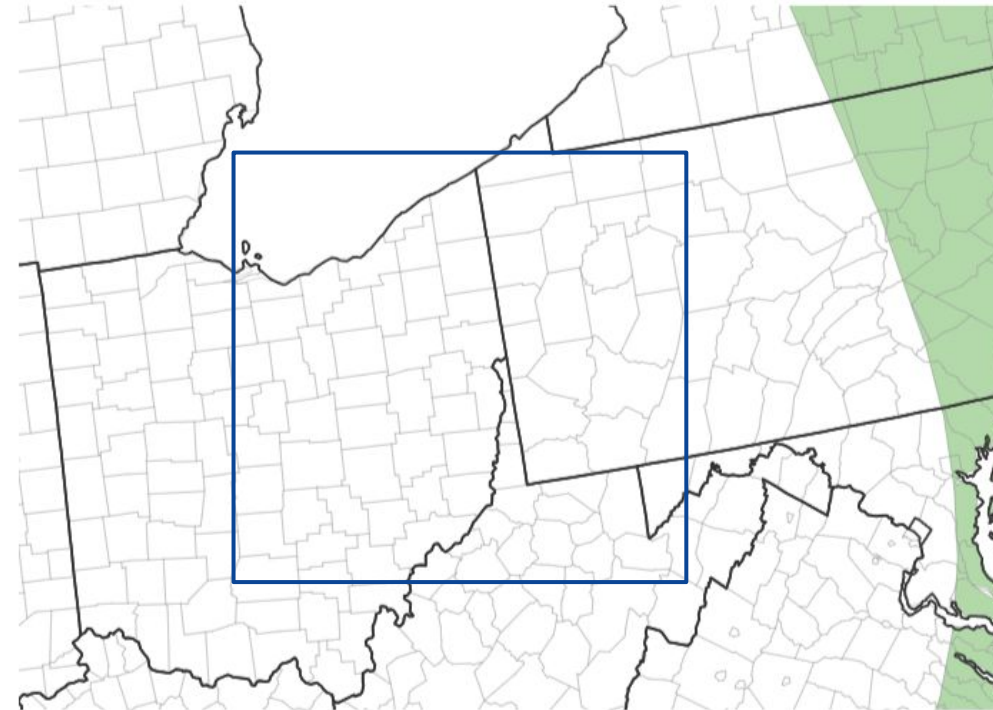


Long-Range Outlooks

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

- The October monthly outlook highlights equal chances of wet/dry and warm conditions continuing across much of the upper Ohio valley.
- This will continue to support deteriorating drought conditions.

Monthly Precipitation Outlook for October 1-31, 2024



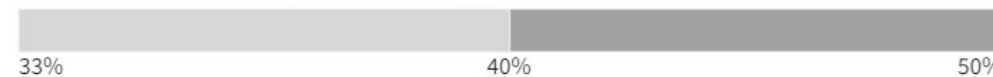
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



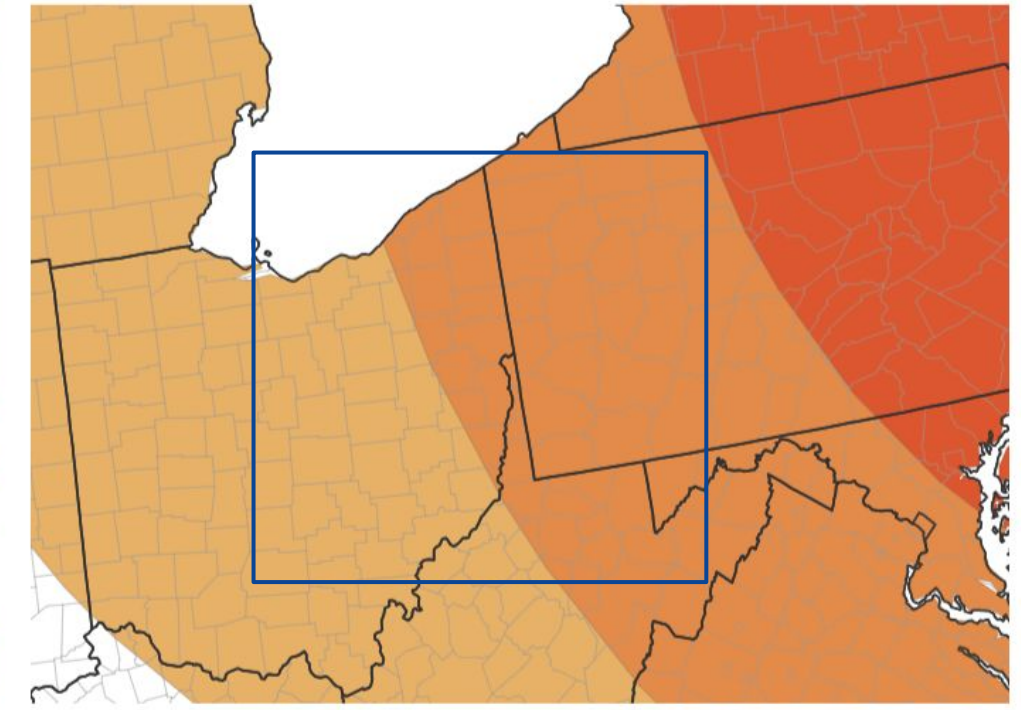
Probability of Near-Normal Precipitation



Source(s): Climate Prediction Center
Last Updated: 09/19/24

Drought.gov

Monthly Temperature Outlook for October 1-31, 2024



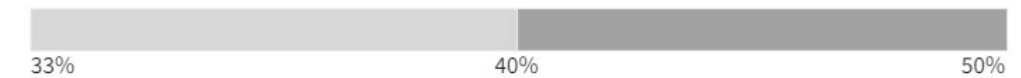
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures

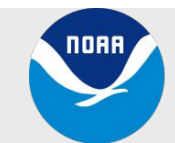


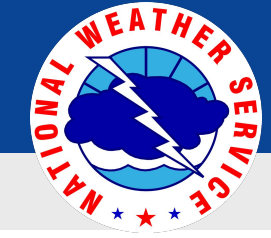
Probability of Near-Normal Temperatures



Source(s): Climate Prediction Center
Last Updated: 09/19/24

Drought.gov



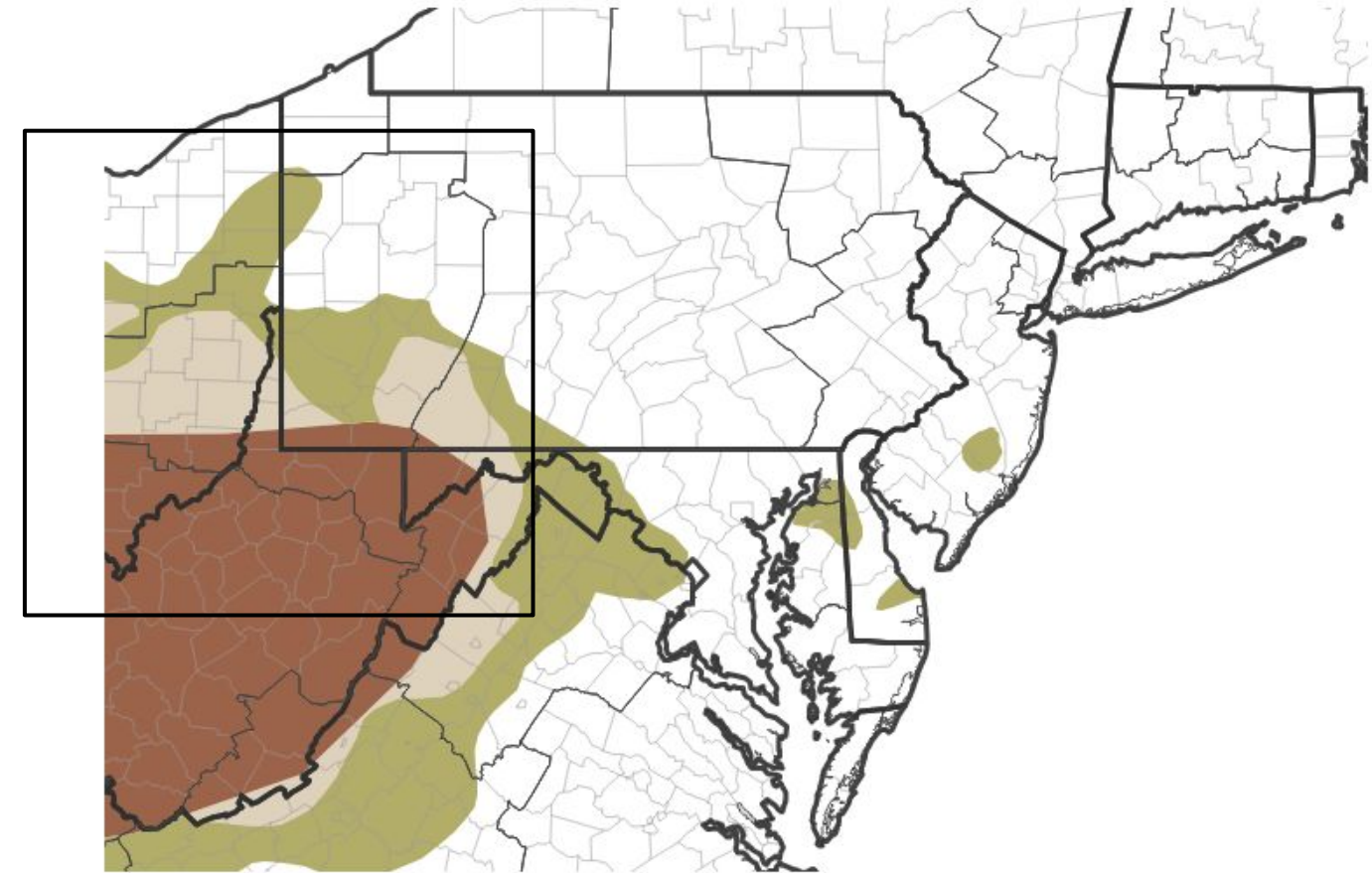


Drought Outlook

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

- The newest seasonal drought outlook suggests that there could be some slight improvement to drought conditions in the next three months.
- However, it will take more than normal rainfall for much of Ohio and West Virginia to recover if temperatures remain above average.

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



Drought Is Predicted To...



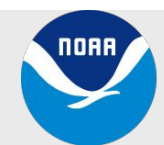
Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 09/19/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



National Oceanic and Atmospheric Administration

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Pittsburgh, PA