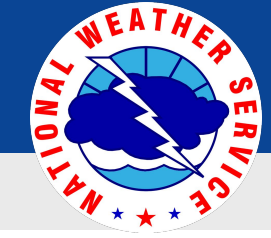


Drought Information Statement for Eastern Ohio, Northern West Virginia and Western Pennsylvania Valid October 24, 2024

Issued By: NWS Pittsburgh, PA

- This product will be updated no later than November 7, 2024
 - Please see all currently available products at <https://drought.gov/drought-information-statements>.
 - Please visit <https://www.weather.gov/pbz/DroughtInformationStatement> for previous statements.
-
- No significant changes made to Drought Intensity or Extent.
 - Exceptional drought remains across portions of Muskingum, Guernsey, Noble, Harrison, Belmont and Monroe counties in OH.





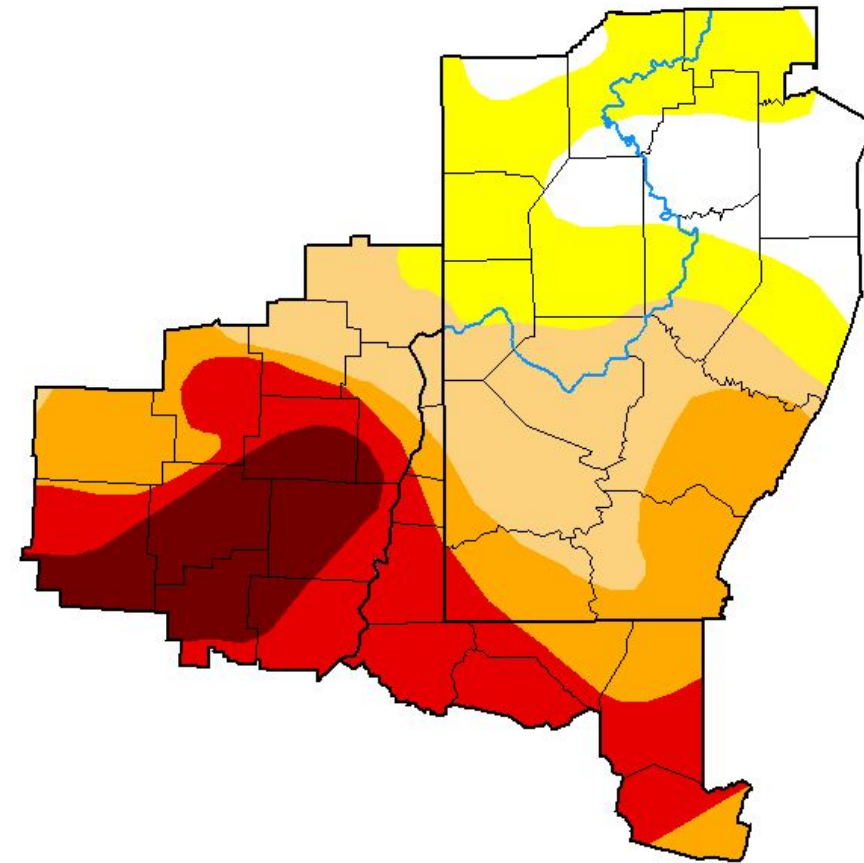
U.S. Drought Monitor

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, Jefferson, Harrison, Belmont, and Monroe counties in OH.
 - **D3 (Extreme Drought)**: Tuscarawas, Carroll, Jefferson, Muskingum, Harrison, Guernsey, Belmont, and Monroe OH; the northern WV panhandle, Marion, Monongalia, Preston, and Tucker counties in WV.
 - **D2 (Severe Drought)**: Coshocton, Jefferson, Carroll, Jefferson, and Muskingum OH; Brooke, Ohio, Monongalia, Preston, and eastern Tucker WV; and portions of Washington, Greene, Fayette and Westmoreland in PA
 - **D1 (Moderate Drought)**: eastern Ohio and western PA from I-76 southward
 - **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

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



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	11.32	88.68	69.22	48.61	29.48	10.30
Last Week 10-15-2024	10.22	89.78	69.22	48.61	29.48	10.30
3 Months Ago 07-23-2024	2.92	97.08	47.93	16.79	1.43	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 10-01-2024	10.17	89.83	69.02	48.43	28.75	10.30
One Year Ago 10-24-2023	51.34	48.66	0.11	0.00	0.00	0.00

Intensity:



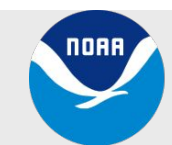
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

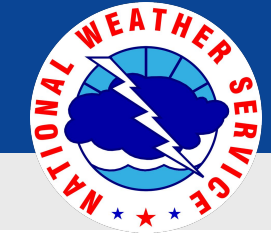
Author:

Rocky Bilotta
NCEI/NOAA



droughtmonitor.unl.edu

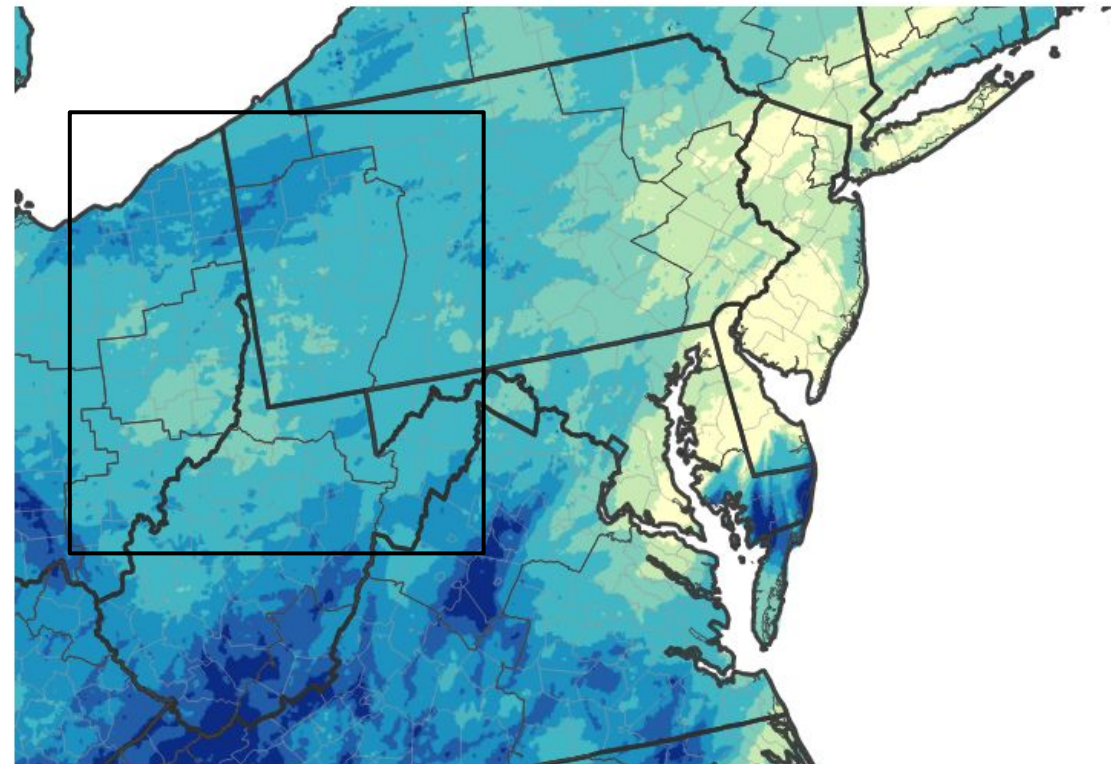




Precipitation

- Precipitation generally ranged from .50-2.00 inches over the last 30 days.
- Outside of a small area in northwestern PA and eastern Ohio, the upper Ohio valley is running below normal for precipitation with some of the worst areas at 25% of normal.

30-Day Precipitation Accumulations (Inches)



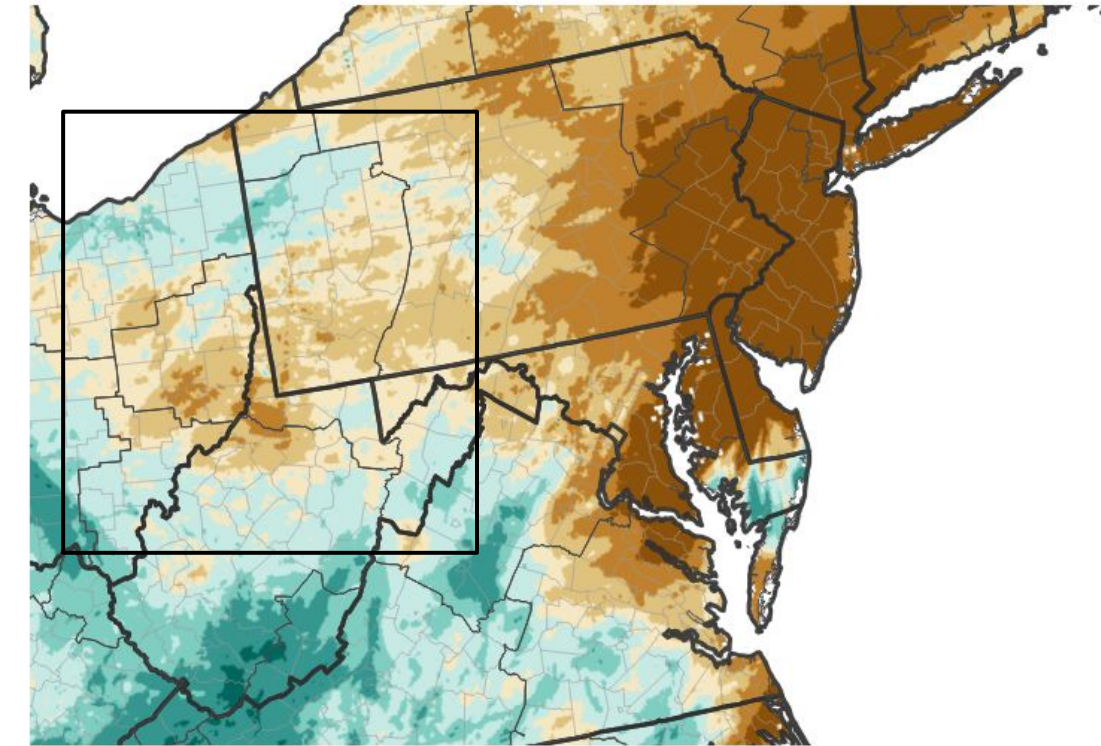
Inches of Precipitation



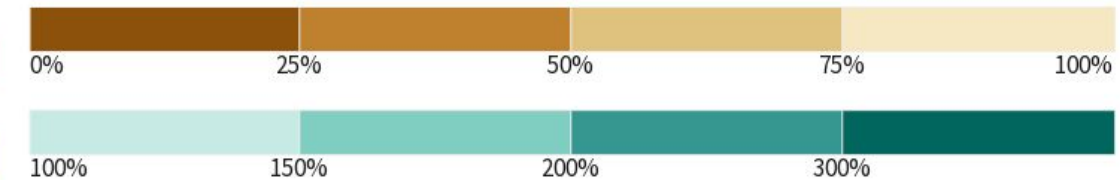
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 10/24/24

30-Day Percent of Normal Precipitation

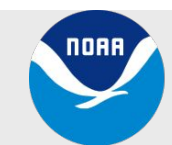


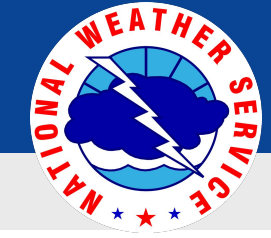
Percent of Normal Precipitation (%)



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

Last Updated: 10/24/24





Summary of Impacts

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

Hydrologic Impacts

- Streamflows are once again falling to below normal due to lack of precipitation over the last several weeks.
- Some private wells are low or completely dry in OH and WV.
- Reservoirs across the region are below normal and in some cases below winter pools.

Agricultural Impacts

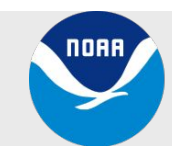
- Soil moisture ranges from 1-5% over much of eastern Ohio and northern West Virginia.
- Hay and pasture are poor or very poor across OH and WV. [USDA](#)
- Farmers are hauling water for livestock and supplemental feeding.
- There have been sales of livestock as a result of lack of feed and water.

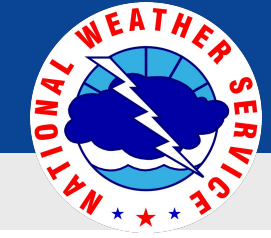
Fire Hazard Impacts

- Burn Ban in effect in Extreme and Exceptional drought areas in OH.
- Increase in fires across the state of WV
- Some additional fire concerns with leaf drop and windy conditions, with fairly dry frontal passages. .

Mitigation Actions

- Some voluntary water restrictions have been put in place.





Hydrologic Conditions and Impacts

- Streamflows are running below normal across the lower Monongahela and Youghiogheny river basins and much below in the Upper Ohio and the Muskingum River basins in the last 7 days due to lack of precipitation.
- Groundwater wells are beginning to improve in PA and northern WV.
- October is the typical month for draw down to winter pools. However, several of the reservoirs are already near or falling below winter pool.

Wednesday, October 23, 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		

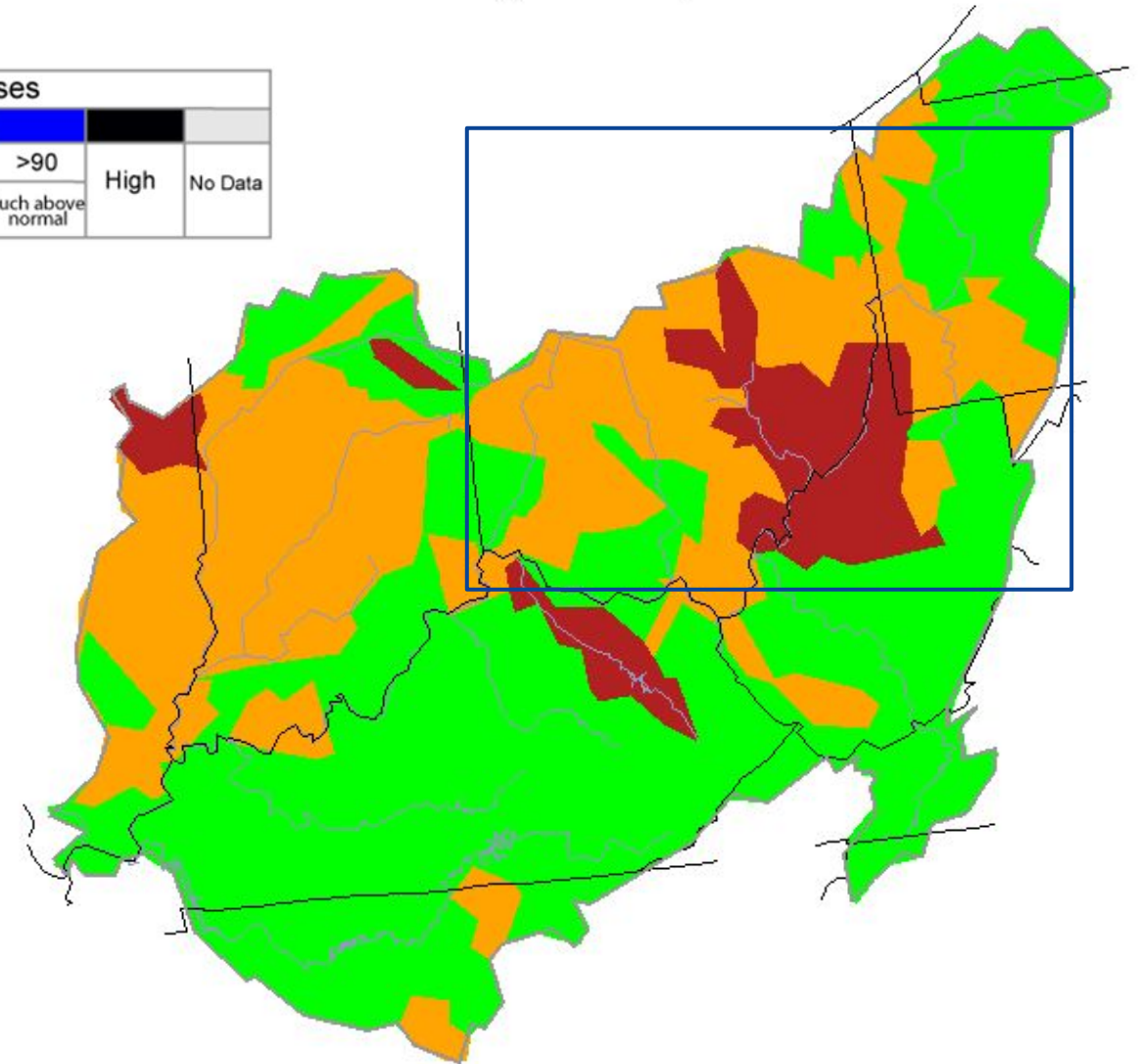
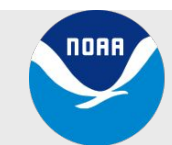
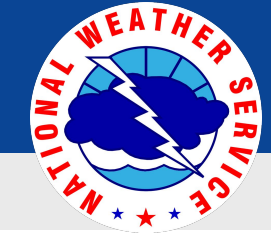


Image Caption: USGS 7 day average streamflow HUC map valid 10/23/2024

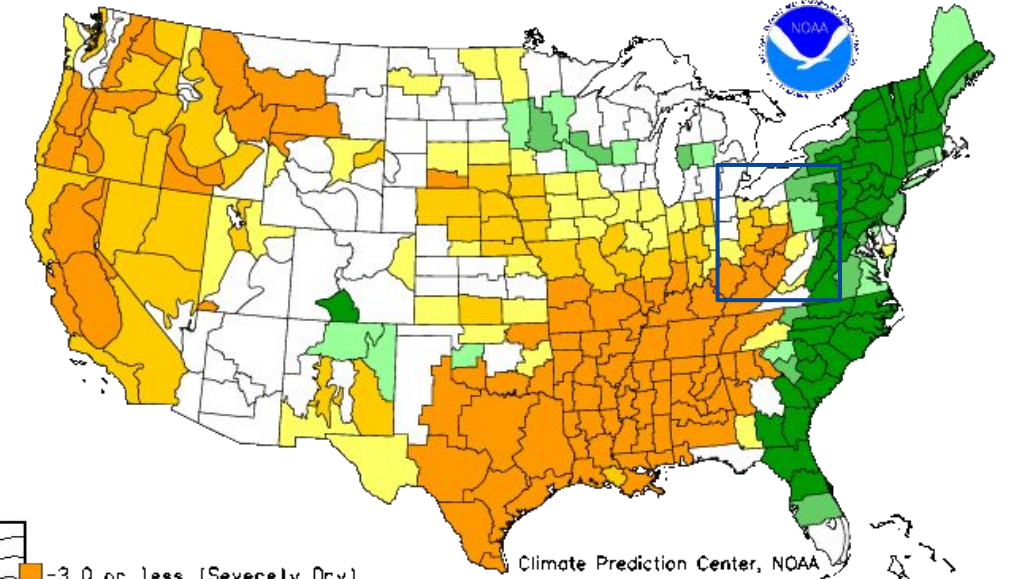




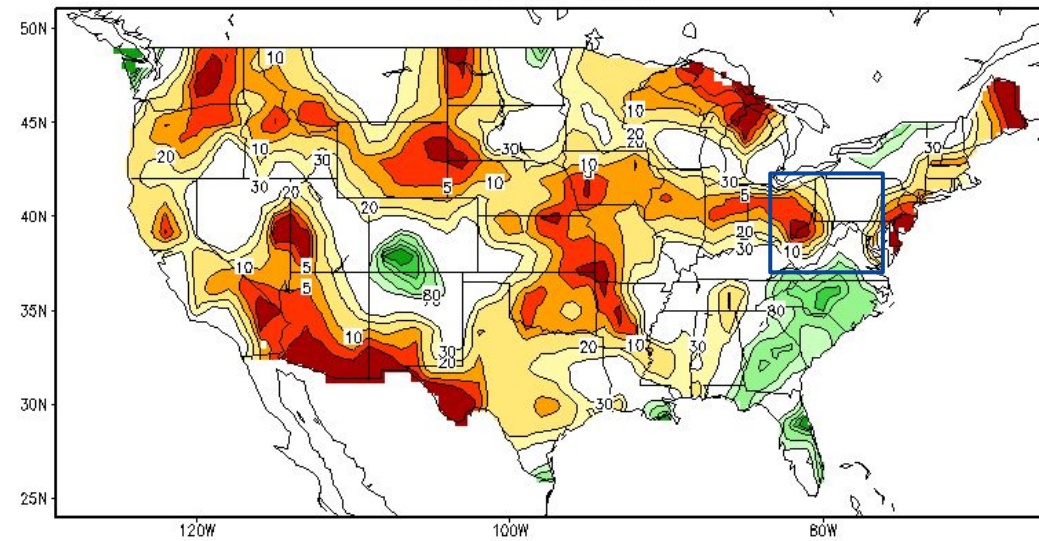
Agricultural Impacts

- 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 OCT 19, 2024
 Short Term Need vs. Available Water in a Shallow Soil Profile

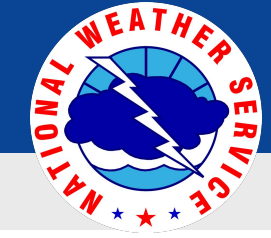


Calculated Soil Moisture Ranking Percentile
 OCT 23, 2024



- -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

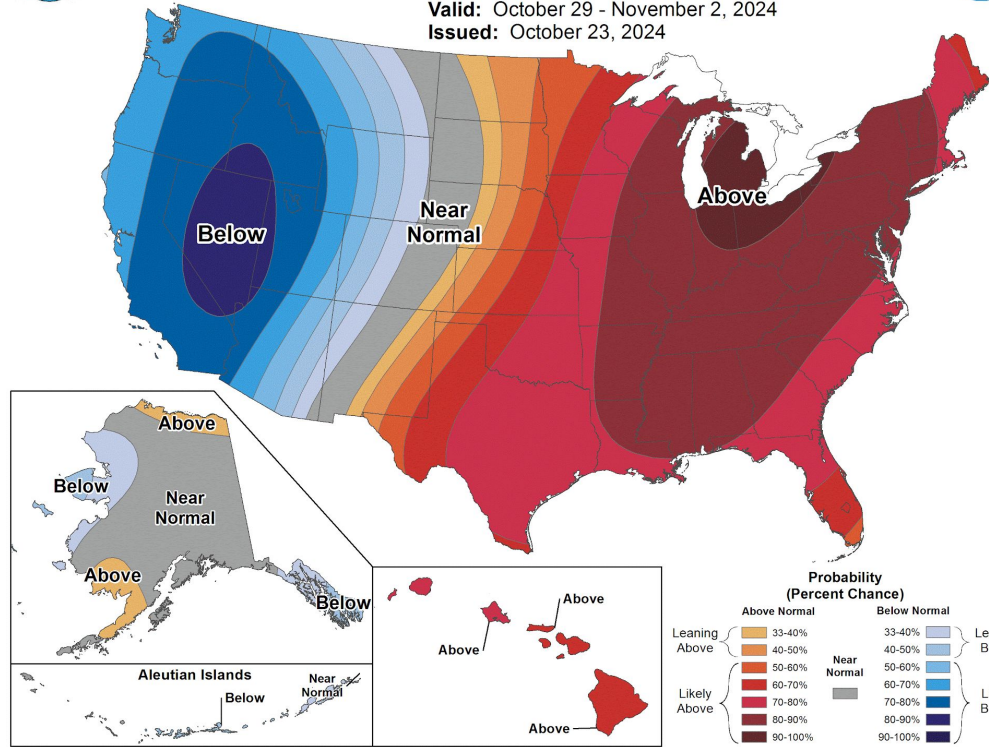
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Latest 6-10 day outlook calls for temperatures well above normal and near or slightly below average precipitation for the Upper Ohio Valley.



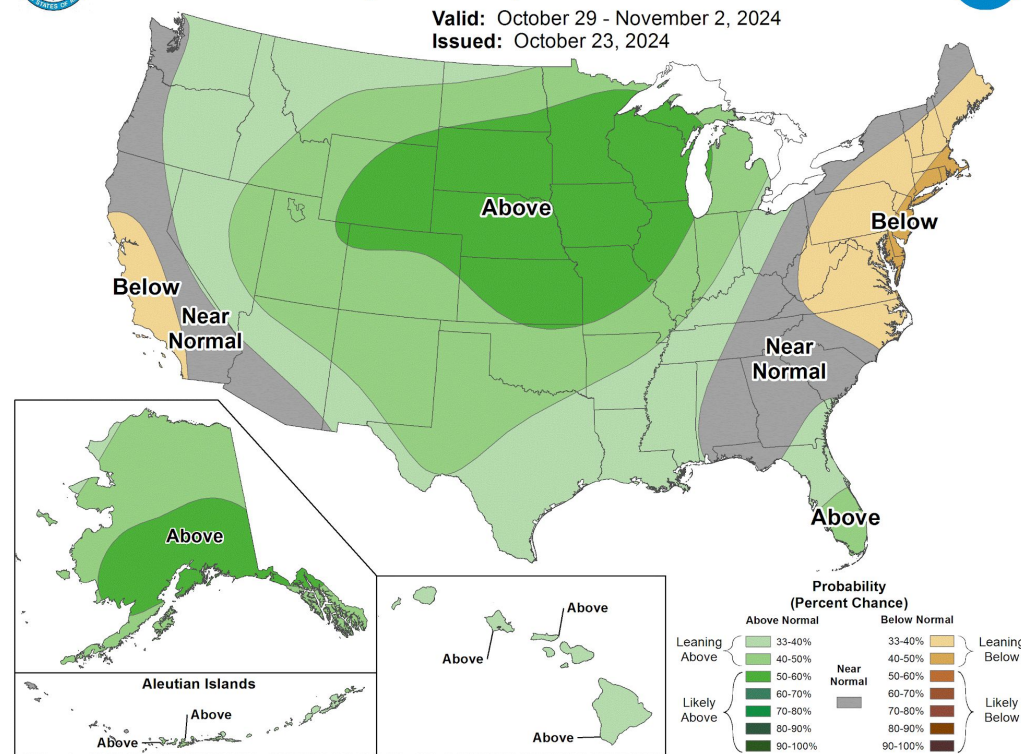
6-10 Day Temperature Outlook

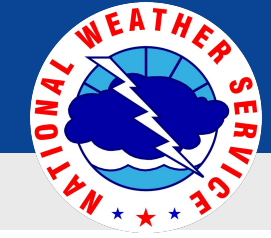
Valid: October 29 - November 2, 2024
Issued: October 23, 2024



6-10 Day Precipitation Outlook

Valid: October 29 - November 2, 2024
Issued: October 23, 2024





Long-Range Outlooks

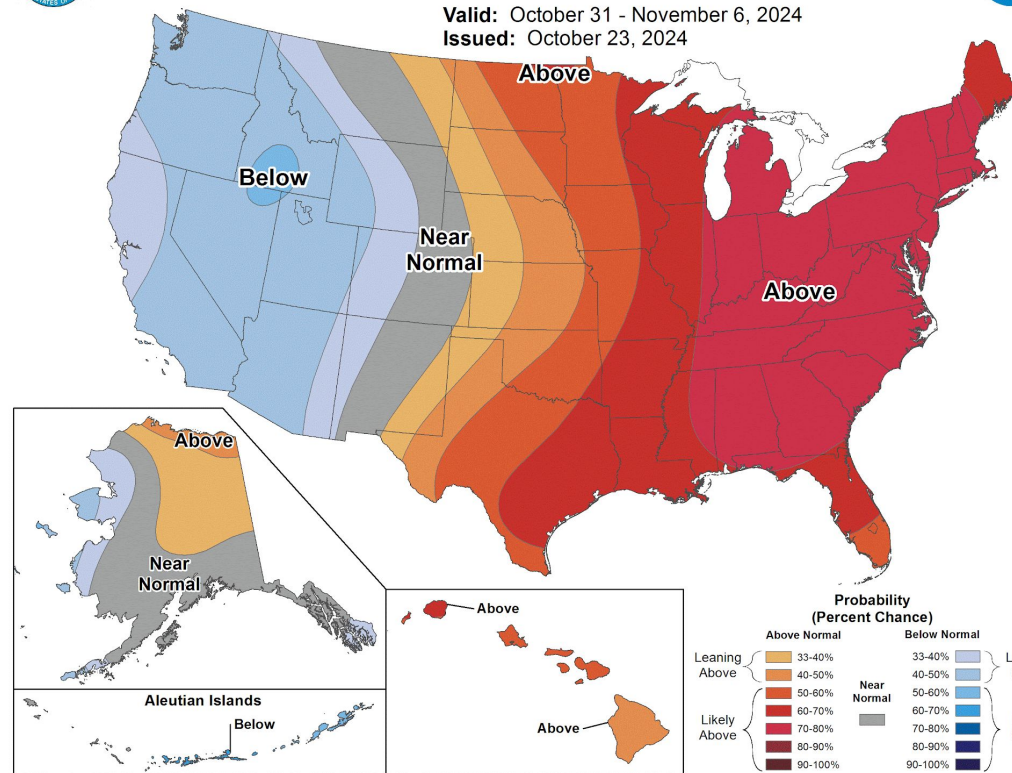
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- 8-14 day also highlights above normal temperature and near normal precipitation.



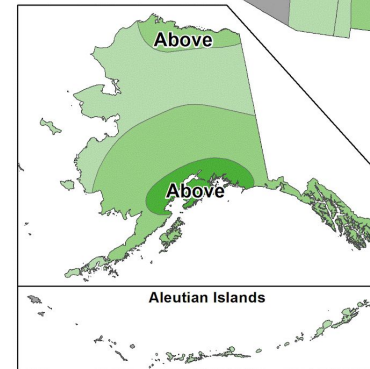
8-14 Day Temperature Outlook

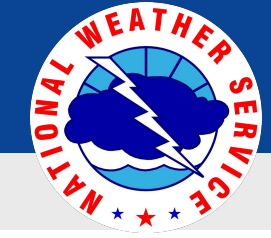
Valid: October 31 - November 6, 2024
Issued: October 23, 2024



8-14 Day Precipitation Outlook

Valid: October 31 - November 6, 2024
Issued: October 23, 2024

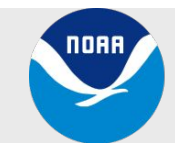
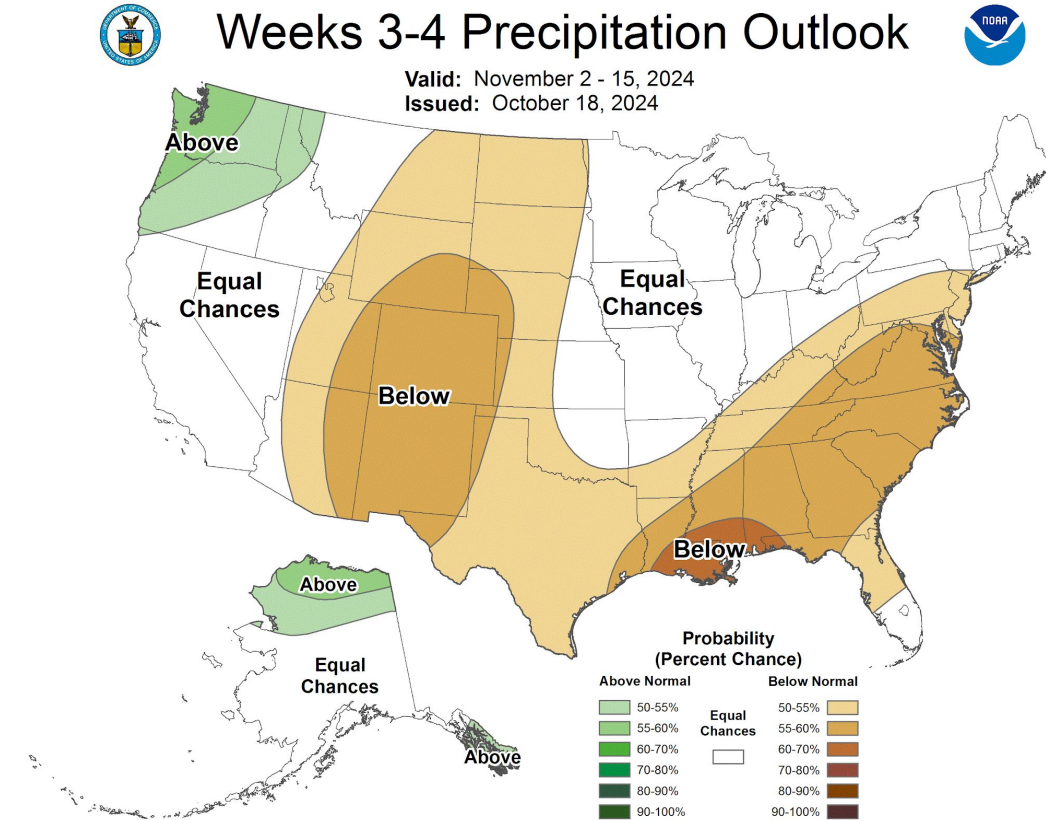
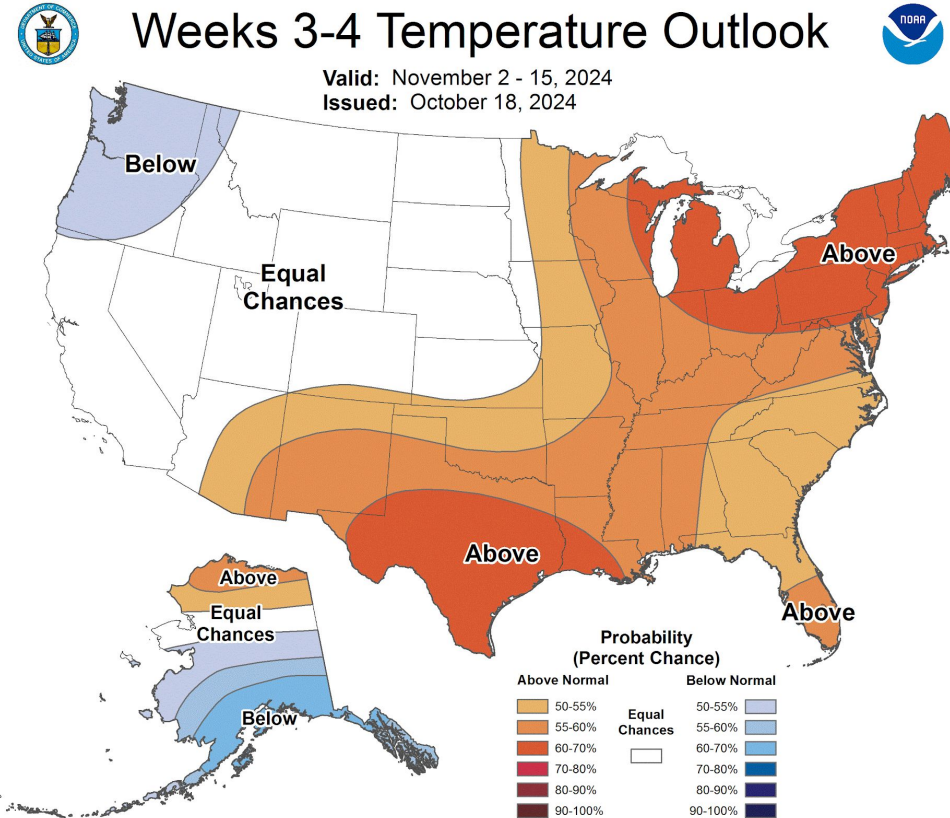


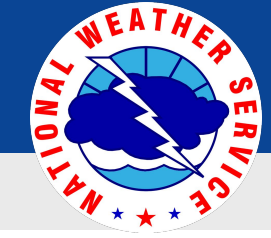


Long-Range Outlooks

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

- The weeks 3-4 outlook suggests the potential for above normal temperatures to persist with below average precipitation.



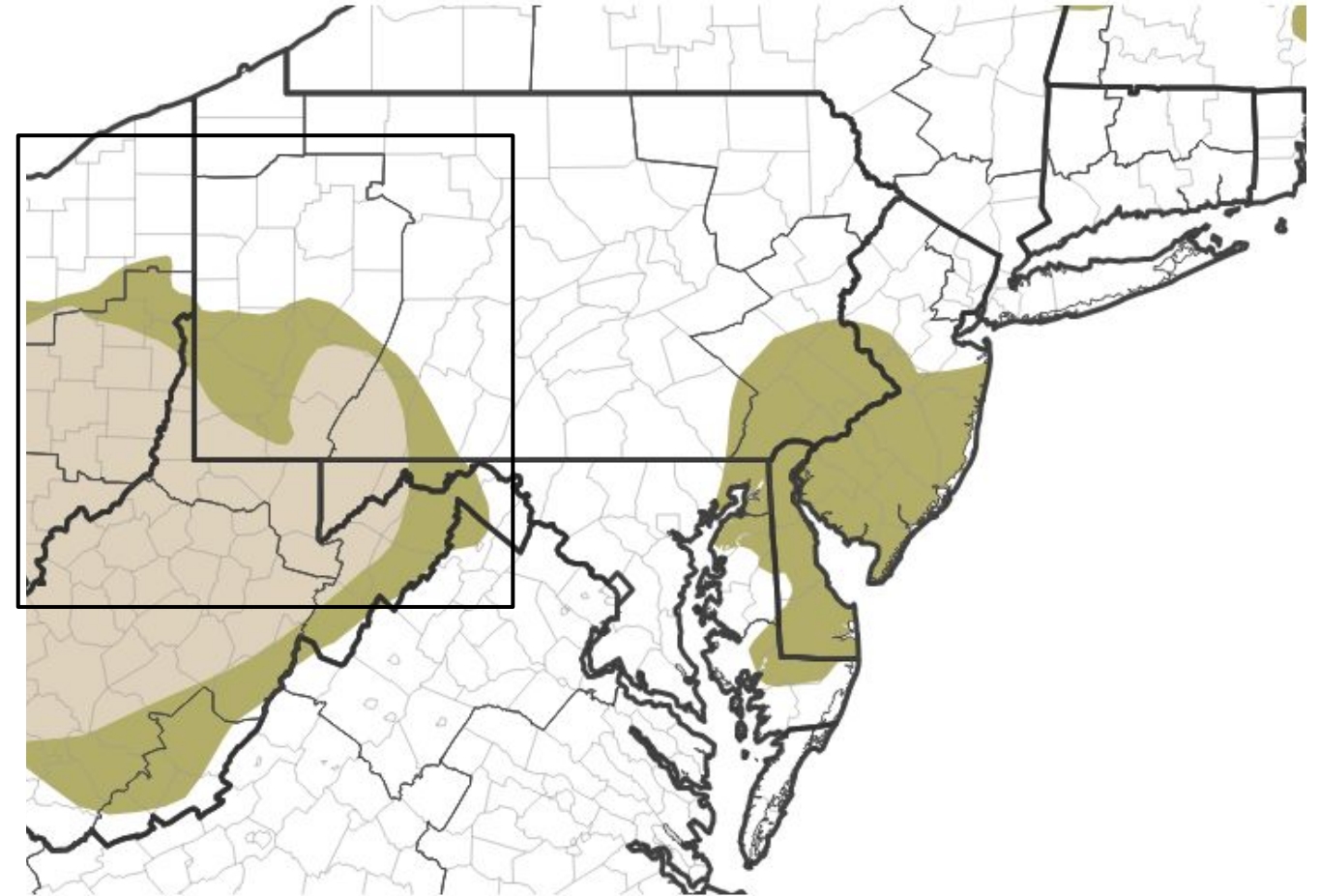


Drought Outlook

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 October 17, 2024–January 31, 2025



Drought Is Predicted To...



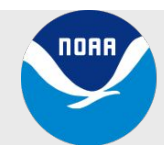
Source(s): Climate Prediction Center; image courtesy of Drought.gov

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
Pittsburgh, PA