



Drought Information Statement

For East Tennessee, Southwest Virginia, and Southwest North Carolina

Valid September 19, 2024

Issued By: WFO Morristown, TN

Contact Information: sr-mrx.webmaster@noaa.gov

- This product will be updated in the next week 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/mrx/DroughtInformationStatement> for previous statements.





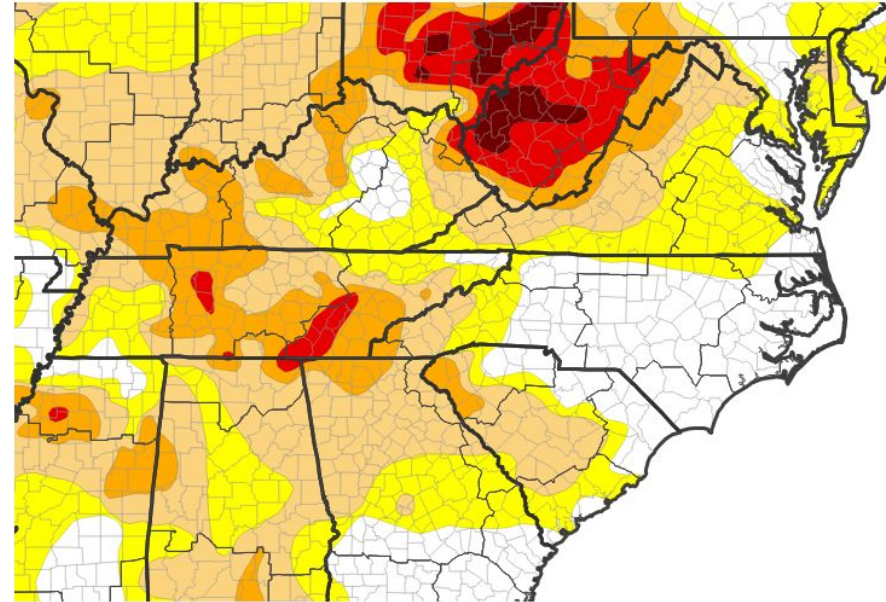
U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the NWS Morristown CWA

- **Drought intensity and Extent**

- **D4 (Exceptional Drought):** None.
- **D3 (Extreme Drought):** Southern Cumberland Plateau.
- **D2 (Severe Drought):** Southeast Tennessee and Southwest North Carolina.
- **D1 (Moderate Drought):** Most of the region.
- **D0: (Abnormally Dry):** Almost area-wide.

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 09/17/24



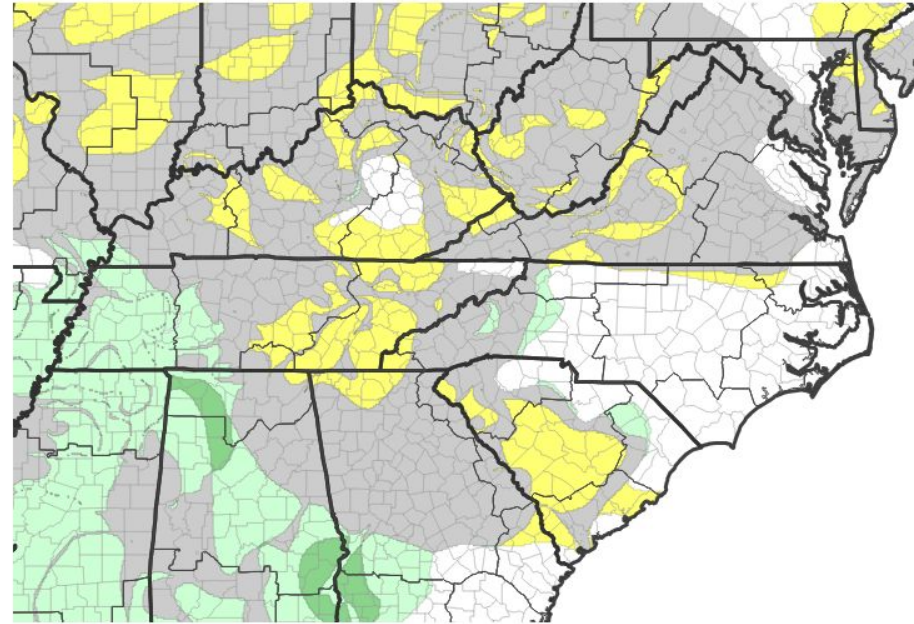


Recent Change in Drought Intensity

Link to the latest 1-week change map for the Southern Appalachians

- Four Week Drought Monitor Class Change.
 - **Drought Worsened:** Most locations across the Cumberland Plateau and Tennessee Valley.
 - **No Change:** Southwest Virginia.
 - **Drought Improved:** None.

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 09/17/24

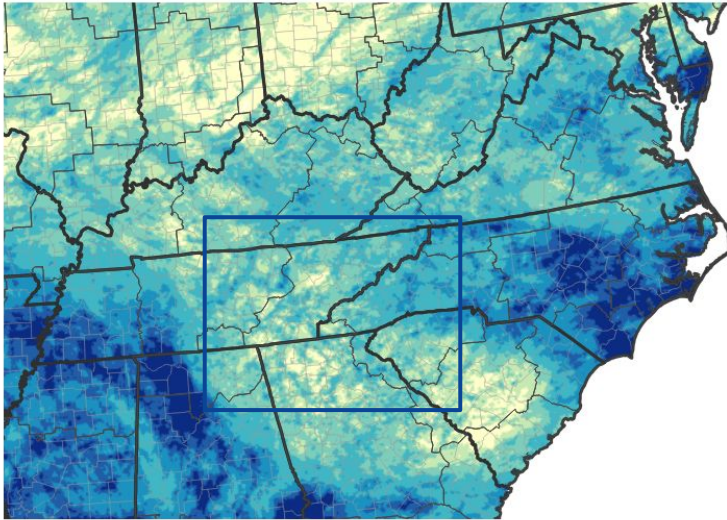




Precipitation

- Precipitation has been below normal.

30-Day Precipitation Accumulations (Inches)

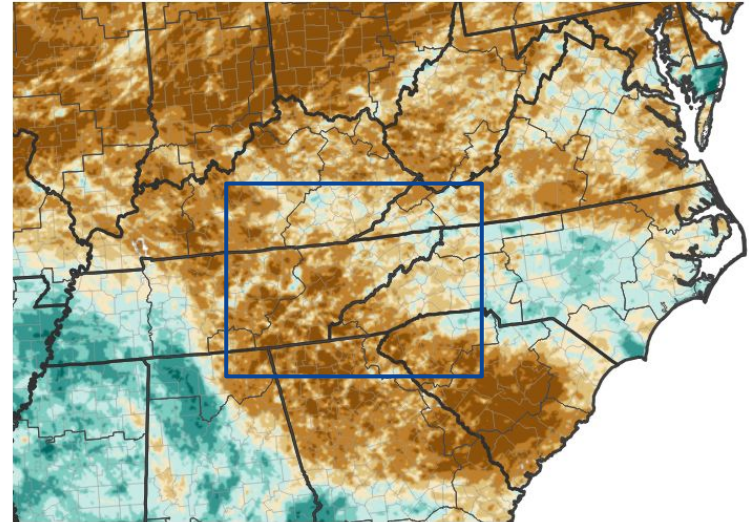


Inches of Precipitation

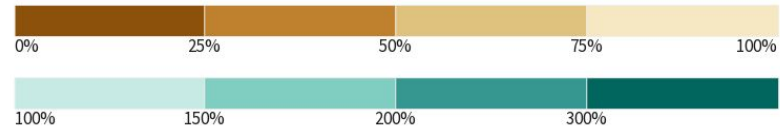


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 09/19/24

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 09/19/24
image courtesy of Drought.gov

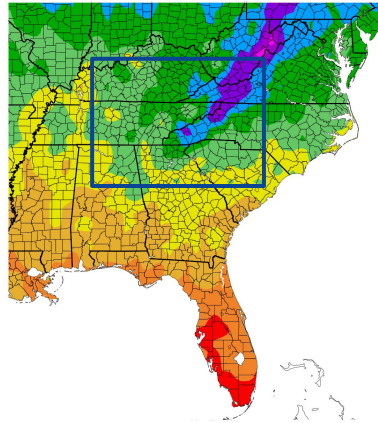




Temperature

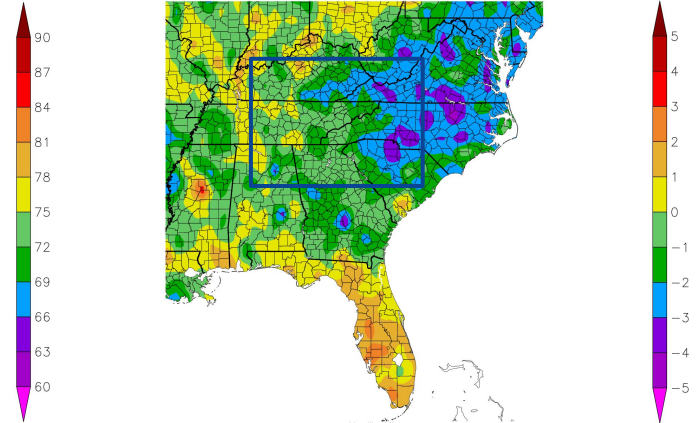
- Temperatures have been near normal over the past 4 weeks.

Temperature (F)
8/19/2024 – 9/17/2024



Generated 9/18/2024 at HPRCC using provisional data.

Departure from Normal Temperature (F)
8/19/2024 – 9/17/2024



NOAA Regional Climate Centers 024 at HPRCC using provisional data.

NOAA Regional Climate Centers





Summary of Impacts

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

Hydrologic Impacts

- Stream flows are below normal for most locations.

Agricultural Impacts

- Soil moisture is below normal for agriculture.

Fire Hazard Impacts

- Tennessee Forestry has reported little to no fire activity.

Other Impacts

- Stay tuned for future updates.

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information. Continue to abide by any local burning bans and regulations.

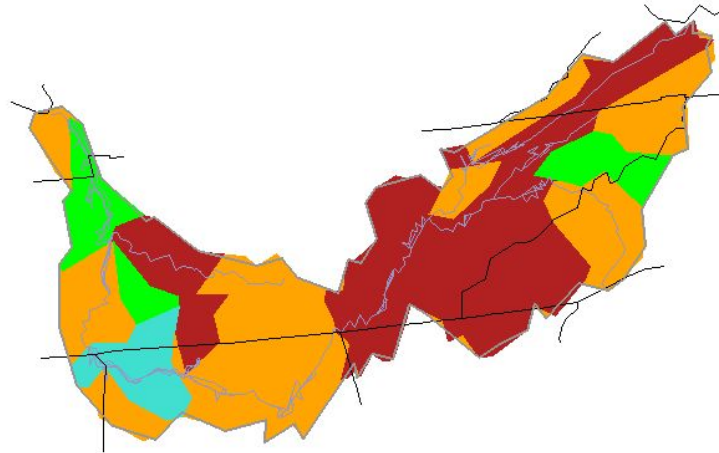




Hydrologic Conditions and Impacts

Wednesday, September 18, 2024

- Streamflows have improved over much of the area.



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		

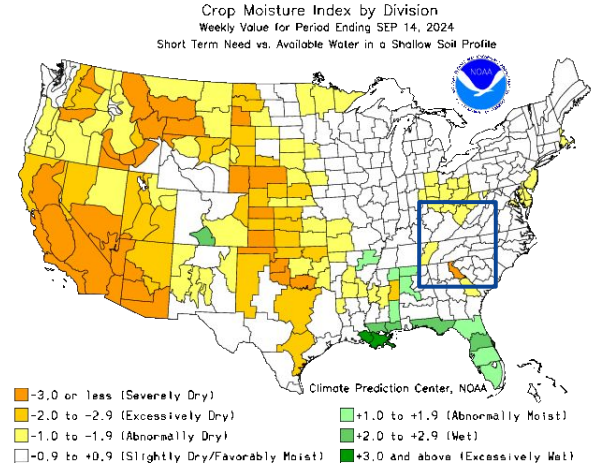
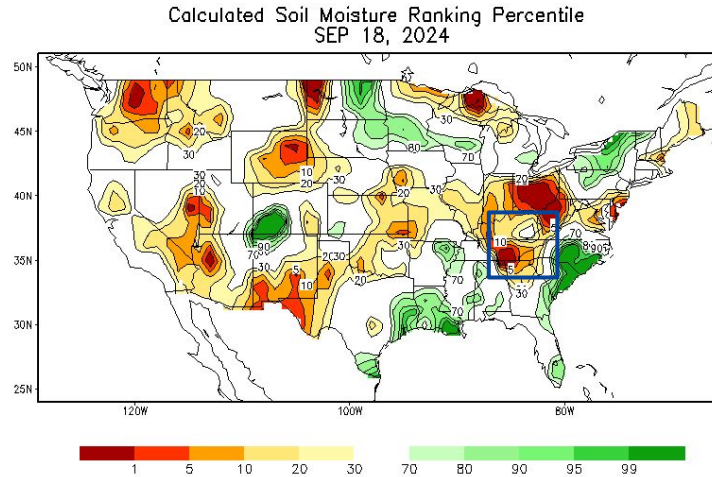
Image Caption: USGS 7 day average streamflow HUC map.





Agricultural Impacts

- Soil moisture has improved.
- Recent dry weather has resulted in some drier soil conditions over the past week.





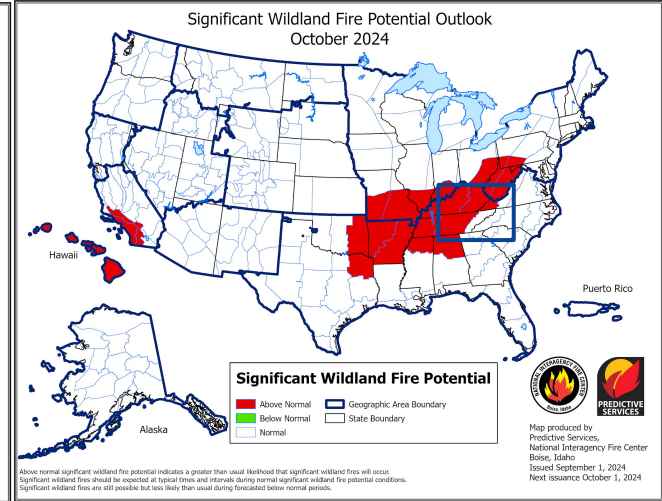
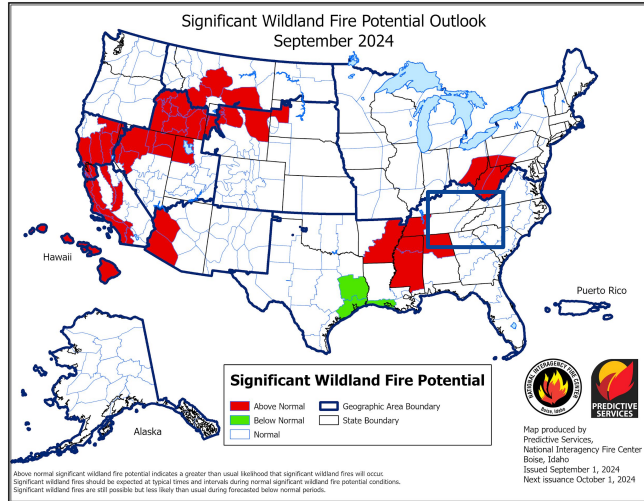
Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center.](#)

Latest TN Burn Ban map available [here.](#)

Latest VA Burn Ban map available [here.](#)

Latest NC Burn Ban information available [here.](#)

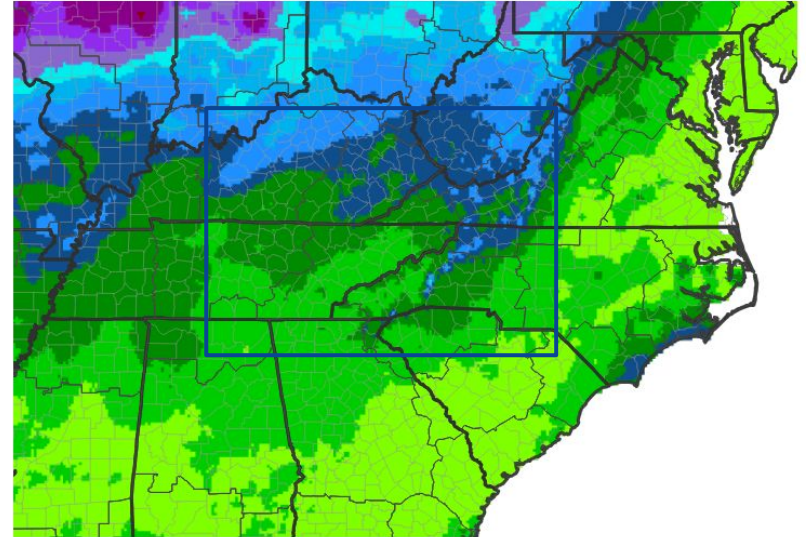




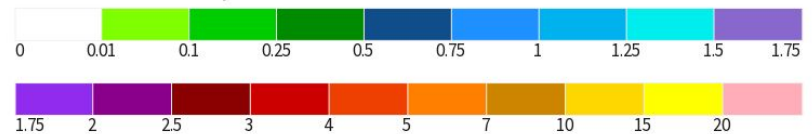
Seven Day Precipitation Forecast

- Limited rainfall is expected over the next 7 days.
 - A quarter of an inch or less is most likely for a majority of the area.

7-Day Quantitative Precipitation Forecast for September 19, 2024–September 26, 2024



Predicted Inches of Precipitation



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

Last Updated: 09/19/24





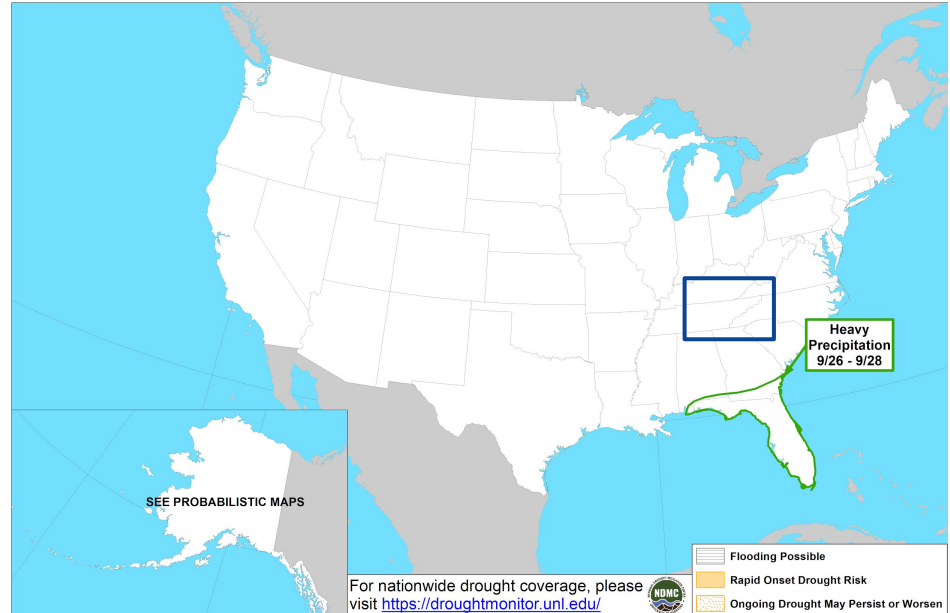
Rapid Onset Drought Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- Worsening drought is expected.
- Dry weather will continue over the next two-week period.



Day 8-14 U.S. Hazards Outlook
Valid: 09/26/2024-10/02/2024



Climate Prediction Center
Made: 09/18/2024 3PM EDT

Follow us:
www.cpc.ncep.noaa.gov

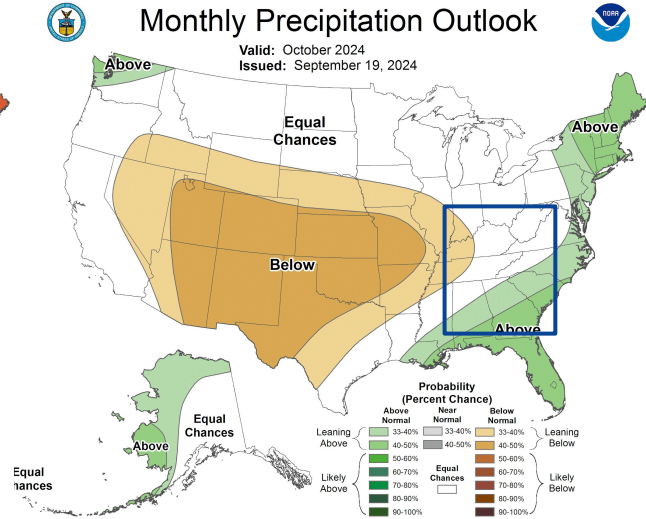
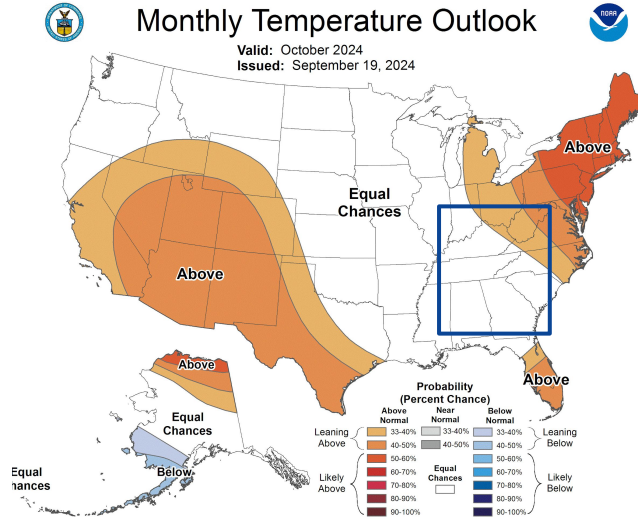




Long-Range Outlooks

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

- Equal chances of above/below normal temperatures and above/below normal rainfall.



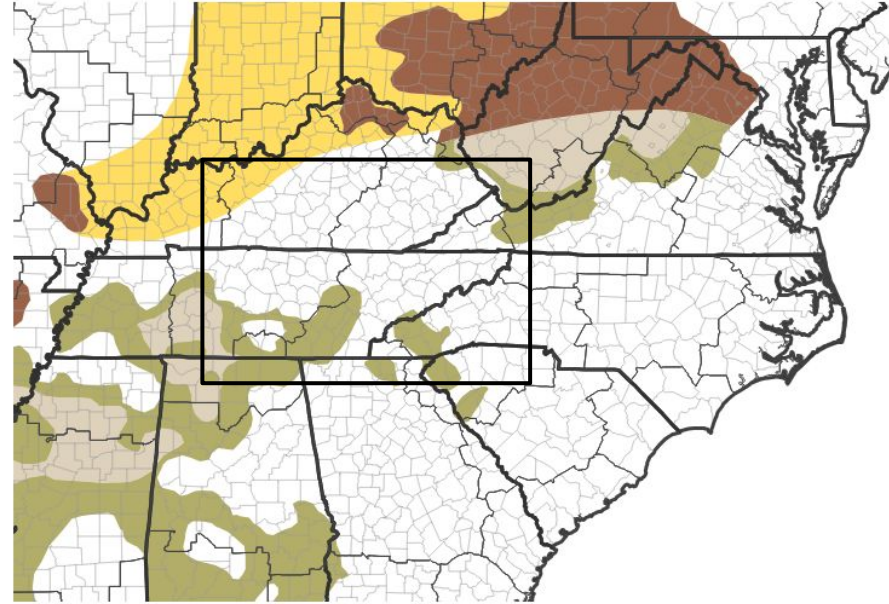


Drought Outlook

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

- Drought conditions will persist or likely worsen during the next week.
- This graphic will be updated at the end of the month for the October period.

1-Month Drought Outlook for September 1, 2024–September 30, 2024



Drought Is Predicted To...



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

Last Updated: 08/31/24

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
Morristown, TN