



Drought Information Statement

For East Tennessee, Southwest Virginia, and Southwest North Carolina

Valid November 30, 2023

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.



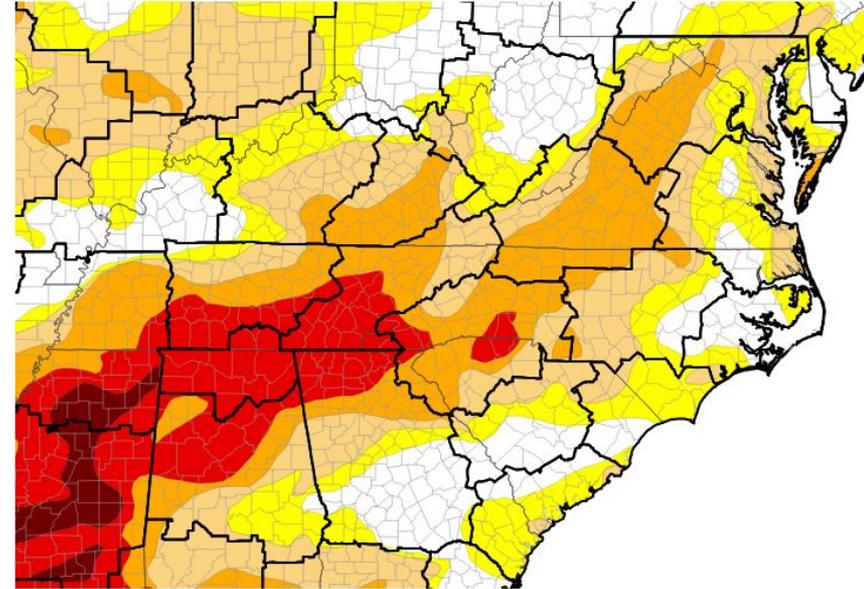


U.S. Drought Monitor

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 Plateau, rest of southeast Tennessee, much of the central Valley, and Cherokee and Clay counties of North Carolina.
- **D2 (Severe Drought):** Northern Plateau and parts of northeast Tennessee and southwest Virginia.
- **D1 (Moderate Drought):** Rest of southwest Virginia and northeast Tennessee.
- **D0: (Abnormally Dry):** None



U.S. Drought Monitor

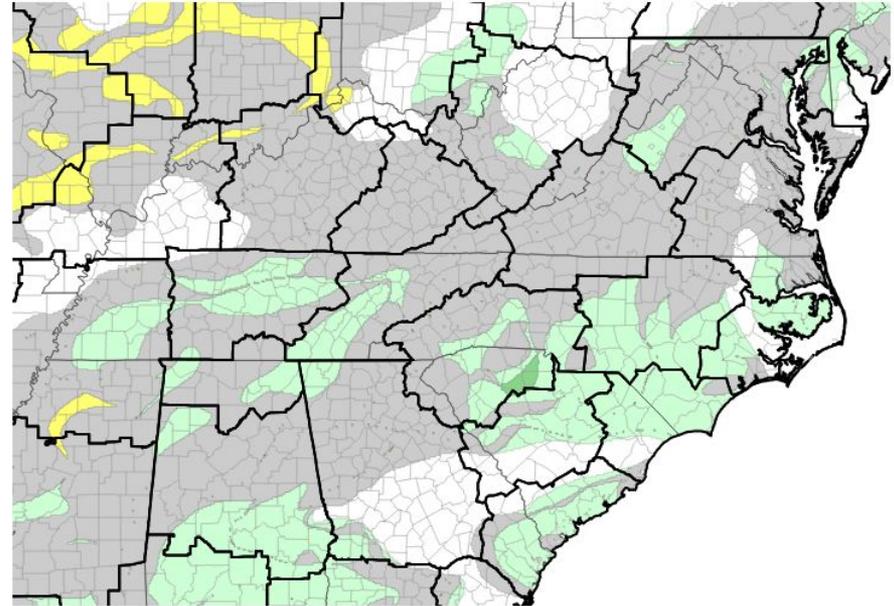




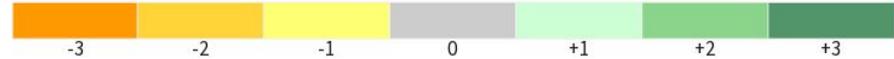
Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - **Drought Worsened:** None
 - **No Change:** Most places outside of the central and southern Valley
 - **Drought Improved:** Extreme southern Plateau and portions of the central and southern Valley



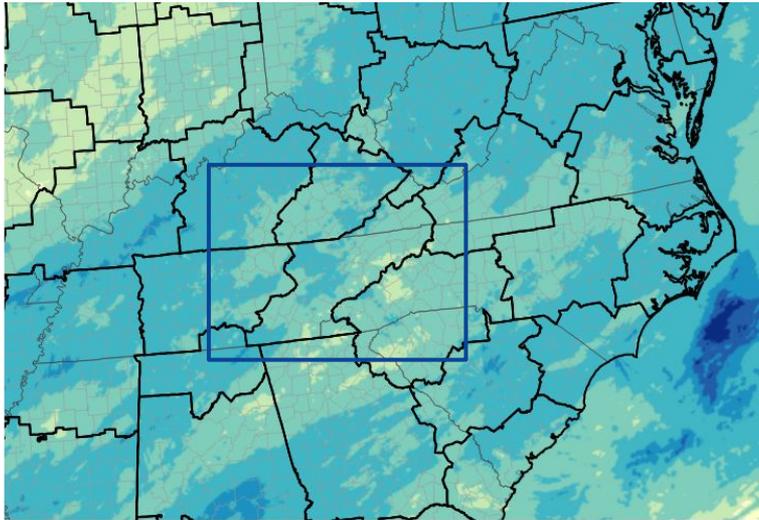
Drought Change Since Last Week



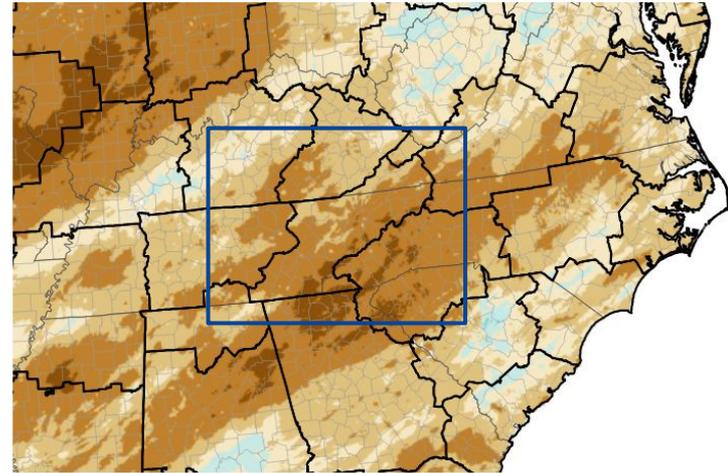


Precipitation

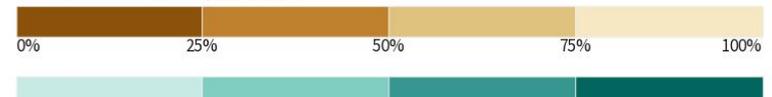
- Drier than normal conditions have been occurring across the region with significantly drier conditions in some areas



Inches of Precipitation



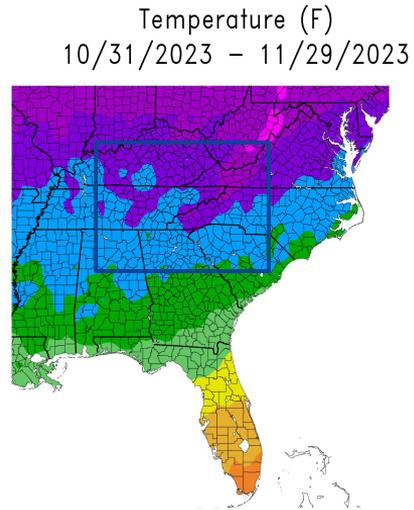
Percent of Normal Precipitation (%)



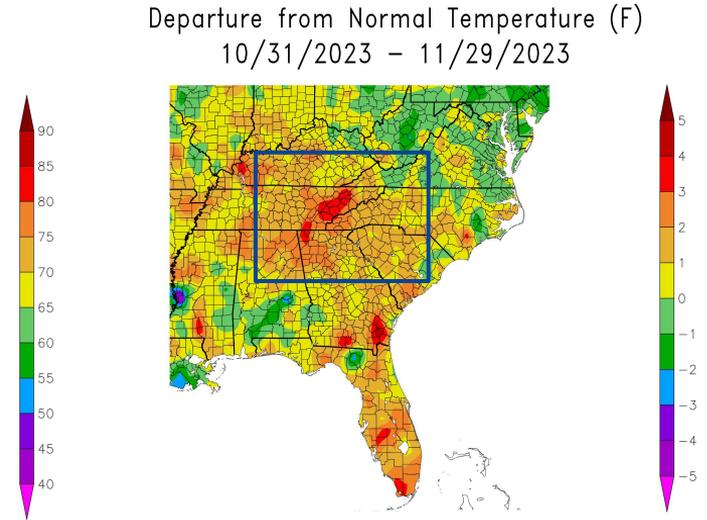


Temperature

- Temperatures have been above normal during the past 4 weeks.



Generated 11/30/2023 at HPRCC using provisional data.



NOAA Regional Climate Centers 2023 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 remain low

Agricultural Impacts

- Dry weather has hampered small grain and fall hay seedings. Pasture conditions continue to decline this week. Soil moisture is much lower than normal.

Fire Hazard Impacts

- Tennessee Forestry has reported an increase in fire activity after recent rainfall

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 local burning bans and regulations.

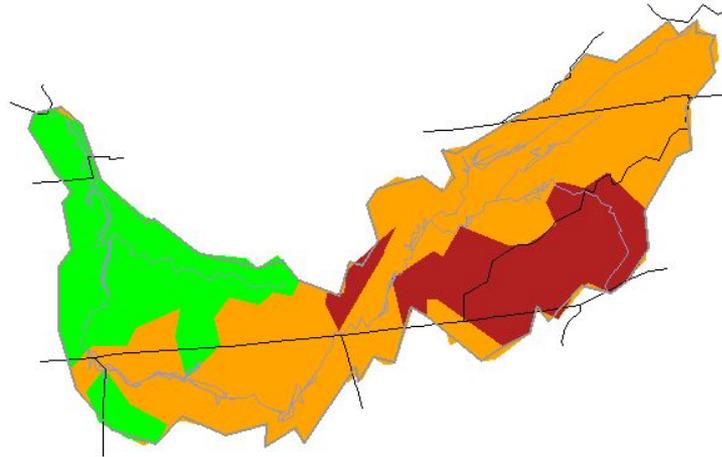




Hydrologic Conditions and Impacts

- Streamflows have been generally below normal for most areas.

Hednesday, November 29, 2023



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 11/29/2023

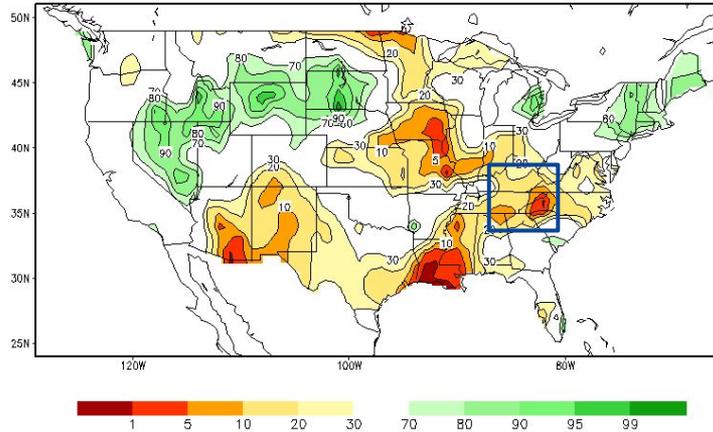




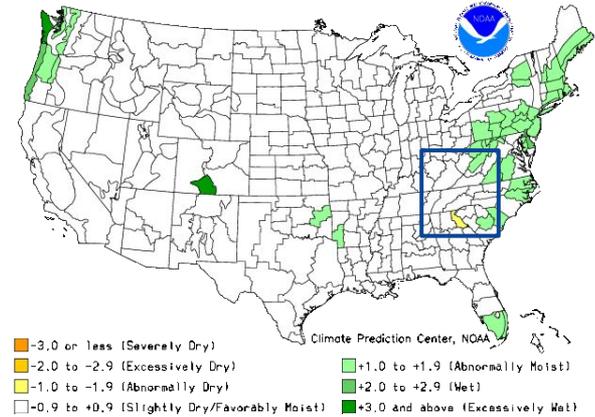
Agricultural Impacts

- Soil moisture is drier than normal, especially in far eastern portions of the area.

Calculated Soil Moisture Ranking Percentile
NOV 29, 2023



Crop Moisture Index by Division
Weekly Value for Period Ending NOV 25, 2023
Short Term Need vs. Available Water in a Shallow Soil Profile





Fire Hazard Impacts

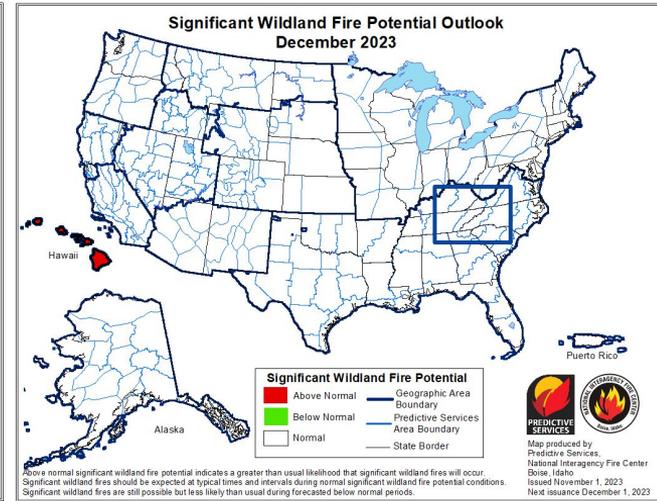
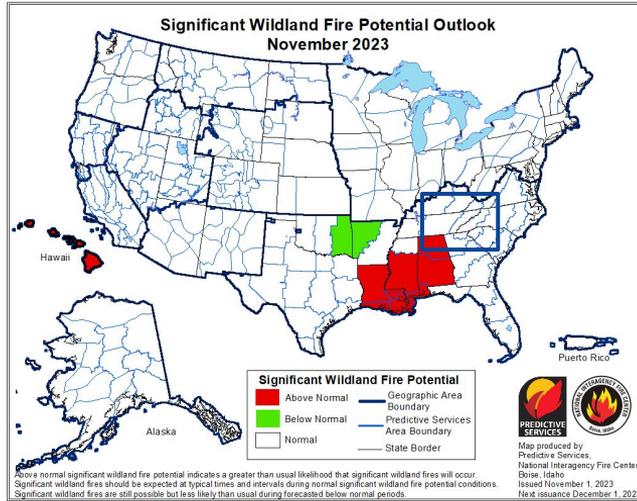
Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center.](#)

- Fire conditions have remained steady across the area.
- Any Mountain Wave High Wind Events will cause enhanced fire behavior.

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

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

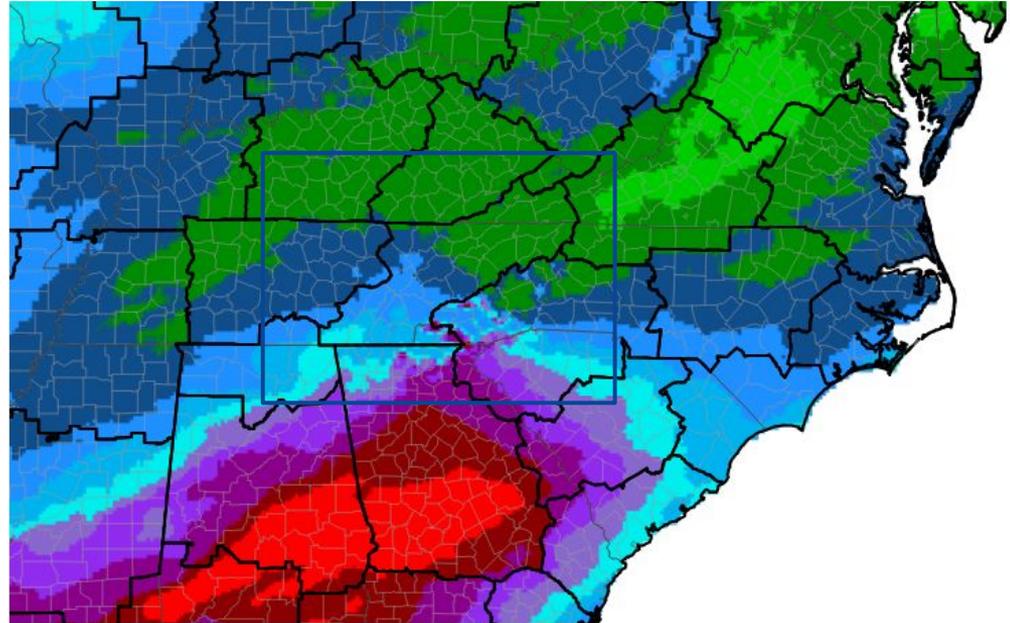
Latest NC Burn Ban information available [here.](#)



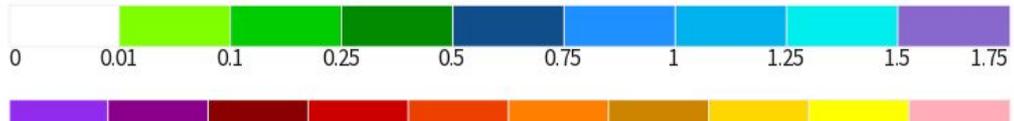


Seven Day Precipitation Forecast

- Precipitation is expected during the next 7 days.
 - The best chances of precipitation will be on Friday (fairly light), then again Saturday into Sunday with better chances for higher totals in southern portions of the area.



Predicted Inches of Precipitation

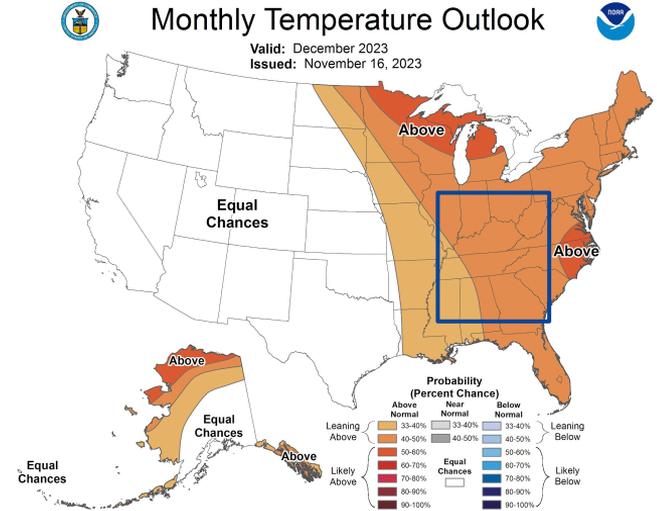
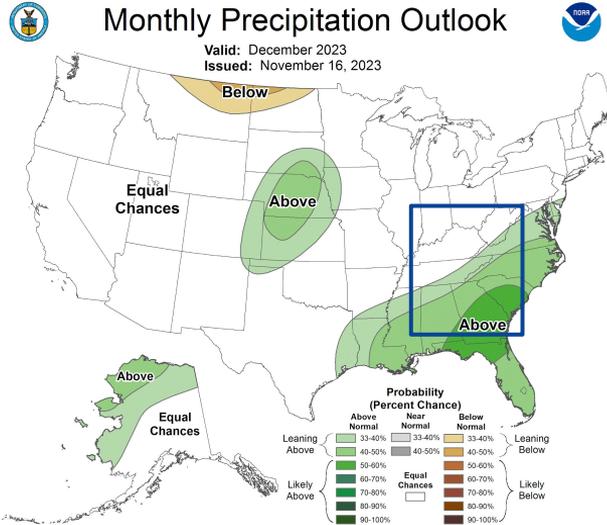




Long-Range Outlooks

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

- Above normal temperatures and near to slightly above normal precipitation are favored over the next month.





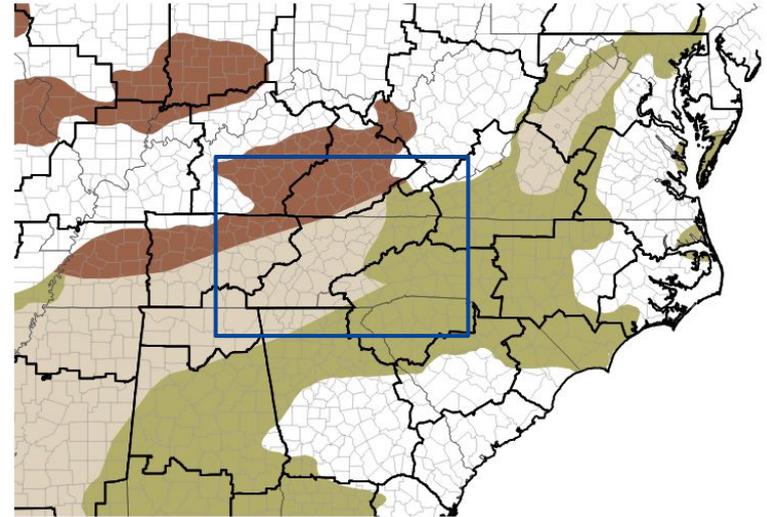
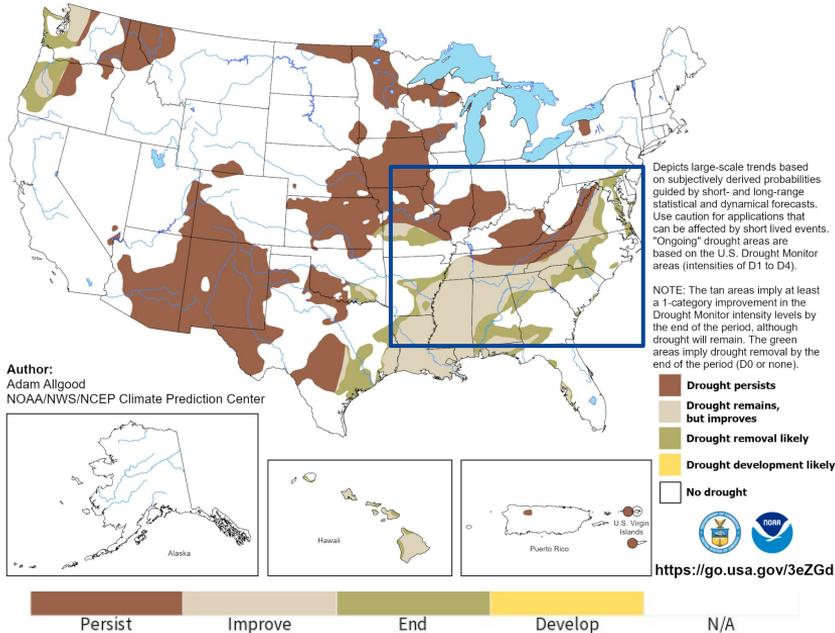
Drought Outlook

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

- An improvement in drought conditions are expected across much of the area through next month.

U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for December 2023
Released November 30, 2023



Drought Is Predicted To...





Rapid Onset Drought Outlook

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

- No hazards posted.



Day 8-14 U.S. Hazards Outlook
Valid: 12/07/2023-12/13/2023



Climate Prediction Center
Made: 11/29/2023 3PM EST

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