

October 2024 Climate Summary – Georgia

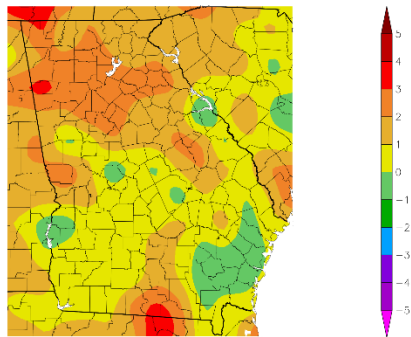
Eleanor Partington

State of Georgia Climate Office

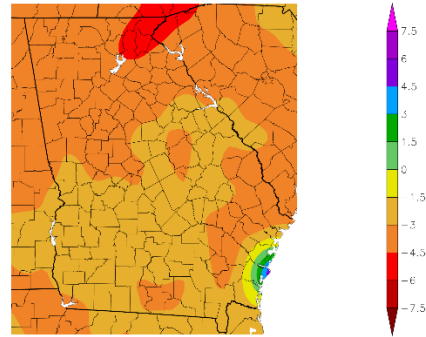
October was warmer and drier than normal (1901-2000 average). The average temperature was 66.2 F, 2.0 F warmer than normal. Large swathes of central and southern Georgia experienced average monthly temperatures very near normal. The entirety of northern Georgia and some small areas throughout the rest of the state experienced above normal temperatures. The average statewide precipitation was 0.18 inches, 2.55 inches less than normal making October 2024 Georgia's 2nd driest October on record. October of 1963 was the #1 driest October on a record that extends back to 1895. Northeast Georgia experienced the biggest departure from normal precipitation, while a small section of coastal Georgia was the only area to receive a normal to above-normal amount of rainfall.

Several daily and monthly records were broken in October as well. Atlanta broke the daily temperature record on 10/25 with a high of 83 F, breaking the old record of 82 F set in 1931, and on 10/26 with a high of 87 F, breaking the old record of 85 F set in 1940 and 2010. Macon reached 86 F on 10/25, tying the previous daily record set in 1949. Additionally, Macon set a record low daily temperature on 10/17 with a low of 35 F, breaking the previous record of 36 F set in 1954. Atlanta, Augusta, and Macon experienced their driest Octobers on record with 0.00 inches of rain.

Departure from Normal Temperature (F)
10/1/2024 – 10/31/2024



Departure from Normal Precipitation (in)
10/1/2024 – 10/31/2024



Generated 11/20/2024 at HIRCC using provisional data.

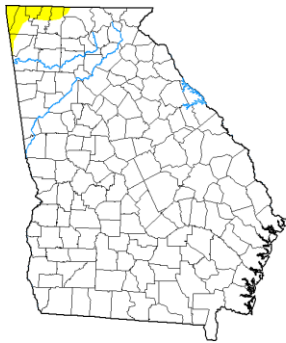
NOAA Regional Climate Centers Generated 11/20/2024 at HIRCC using provisional data.

NOAA Regional Climate Centers

According to the U.S. Drought Monitor, drought intensified across the state throughout the month of October after being wiped out by Hurricane Helene in September. Abnormally Dry (D0) conditions spread slowly across the state, starting in the northwest corner and the southeast coastal region before overtaking 94.8% of the state in the last week of the month. The seasonal drought outlook from the Climate Prediction Center shows drought development is likely in the next three months across the entire state except for small portions of the northeast and southeast corners.

**U.S. Drought Monitor
Georgia**

October 1, 2024
(Released Thursday, Oct. 3, 2024)
Valid 8 a.m. EDT



Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

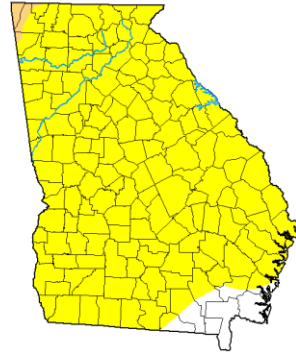
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Richard Tinker
CPC/NOAA/NWS/NCEP



**U.S. Drought Monitor
Georgia**

October 29, 2024
(Released Thursday, Oct. 31, 2024)
Valid 8 a.m. EDT



Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

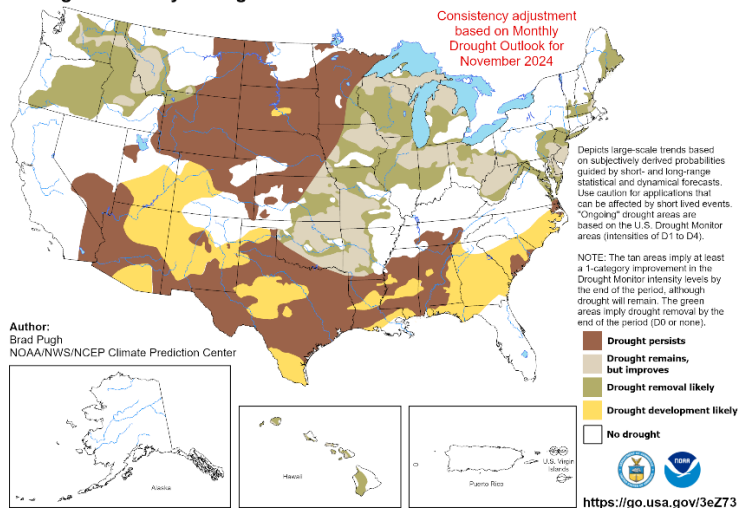
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Author:
Brian Fuchs
National Drought Mitigation Center



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

Valid for November 1, 2024 - January 31, 2025
Released October 31, 2024



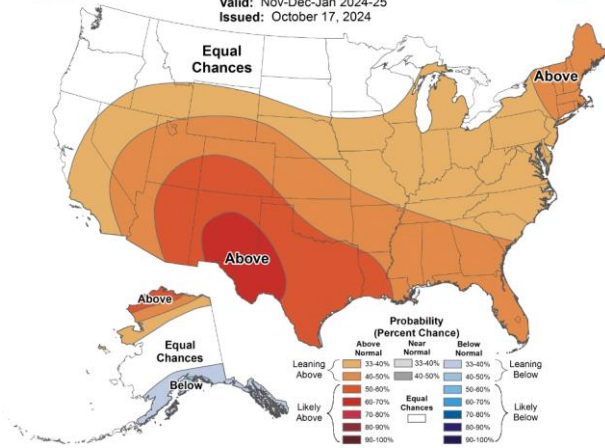
According to the Climate Prediction Center, ENSO-neutral conditions are present with near-to-below-average equatorial sea surface temperatures in the central and eastern Pacific Ocean. A La Niña Watch has been issued as there is a 57% chance of La Niña emerging in October-December and persisting through January-March 2025. The seasonal outlooks from the Climate Prediction Center for November-January show a likelihood of above normal temperatures and below normal precipitation in Georgia in the coming months.



Seasonal Temperature Outlook



Valid: Nov-Dec-Jan 2024-25
Issued: October 17, 2024



Seasonal Precipitation Outlook



Valid: Nov-Dec-Jan 2024-25
Issued: October 17, 2024

