Summer Weather Outlook

Bob Rose, LCRA Chief Meteorologist
May 26, 2022
Rainfall Tuesday
Rainfall Departure From Normal Since Oct. 1
May 2022 vs. May 2011 National Drought Monitor

May 17, 2022

May 17, 2011
May 2022 – A Moderate La Niña Continues in Place

CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)
Analysis Time: 12z May 24, 2022

TROPICALTIDBITS.COM
Odds Favor La Niña Persisting Through Summer and Fall

Early–May 2022 CPC/IRI Official Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly
Neutral ENSO: $-0.5 \, ^\circ\text{C}$ to $0.5 \, ^\circ\text{C}$

![Graph showing forecast probabilities for different seasons.](image-url)
Forecast Position for Summer Heat Ridge
Forecast Model Rainfall Outlook for June-July-August

CFSv2

ECMWF
Forecast Model Temperature Outlook for June-July-August

CFSv2

ECMWF
Climate Prediction Center’s Rainfall Outlook

June-July-August
Climate Prediction Center’s Temperature Outlook

June-July-August
NWS Seasonal Drought Outlook Through August

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

Valid for May 19 - August 31, 2022
Released May 19

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short-lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

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NOAA/NWS/NCEP/Climate Prediction Center

http://go.usa.gov/3eZ73
Forecast Model Rain Outlook for September-October-November

CFSv2 seasonal Prec anomalies (mm/day)

ECMWF Seasonal [M] 0.75° Int Item 1 May 2022 • OFR Anomaly (in)

Valid: Sep/Oct/Nov 2022
Hurricane Season 2022
Gulf Waters Warmer Than Normal

CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)

Analysis Time: 06z May 25 2022

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2022 Atlantic Hurricane Season Outlook

- **Above-normal** (65%)
- **Near-normal** (25%)
- **Below-normal season** (10%)

**Season probability**

- **Named storms**: 14-21
- **Hurricanes**: 6-10
- **Major hurricanes**: 3-6

Be prepared: Visit hurricanes.gov and follow @NWS and @NHC_Atlantic on Twitter.

May 2022
2022 Atlantic Tropical Cyclone Names

Alex
Bonnie
Colin
Danielle
Earl
Fiona
Gaston

Hermine
Ian
Julia
Karl
Lisa
Martin
Nicole

Owen
Paula
Richard
Shary
Tobias
Virginie
Walter

Names provided by the World Meteorological Organization

Be prepared: Visit hurricanes.gov and follow @NWS and @NHC_Atlantic on Twitter.
Summer Weather Outlook

- Temperatures are forecast to average between 1 and 3 degrees above normal May through August
- Below-normal rainfall is forecast June through August
- Drought conditions are forecast to worsen through the summer months
- An active hurricane season could potentially provide some relief from drought and heat
- Not a rerun of 2011, but an extreme summer is expected
Questions?