

AFRICAN REGIONAL CLIMATE CENTRE

LONG RANGE FORECAST PRODUCT FOR AFRICA VALID FOR MAY-JUNE-JULY AND JUNE-JULY-AUGUST 2022 SEASONS.

ISSUED: APRIL 29, 2022

Highlights

- Below normal precipitation was experienced over Liberia, south-eastern Nigeria, Cameroon, Gabon, south-western Congo and DRC, western Zambia, northern Zimbabwe, eastern Tanzania, south-eastern Kenya and parts of Ethiopia during the month of April 2022. Above average precipitation was observed over DRC, the western parts of East Africa and parts of the SADC region including southern Madagascar.
- Normal-to-below normal rainfall is expected over eastern Sierra Leone, Liberia, south-western Côte d'Ivoire, Cameroon, Gabon, northern Ethiopia, much of Djibouti and southern Madagascar during the May to August 2022 season.
- Above-normal precipitation is very likely over southern Mali, Niger, Burkina Faso, northern Nigeria, central Chad, southern Sudan, and northern South-Sudan, westernmost of Ethiopia during May to August 2022.
- Above average Temperature is very likely over northern Morocco and Algeria during May to August 2022
- During May to August 2022, near to above average temperatures are very likely over Morocco, much of Algeria, Tunisia, Libya, north Mauritania, northernmost of Mali, eastern Botswana, southern Zimbabwe and northern South Africa.

RECENT SST CONDITIONS AND OUTLOOK

- The equatorial Sea Surface Temperatures (SSTs) continue to be below average across most of the Pacific Ocean due to the ongoing La Niña conditions even in April 2022. During the May to August 2022 period, the La Niña signal is predicted to decrease into a weak La Niña phase.
- Near-average to below average SSTs were observed over the Tropical North Atlantic (TNA) during March to April 2022. Most model outputs and expert judgments favour persistence of these conditions.
- Near to average Sea Surface Temperatures characterized the North Atlantic Tropical (NAT) during April 2022. This pattern is expected to persist during the coming months.
- Near average to below average Sea Surface Temperatures characterized the South Atlantic Tropical (SAT) during the month of February and April 2022 and it is expected to be below normal conditions during the coming months.
- The SST over the Tropical South Atlantic (TSA) has been near to below average during April 2022. Model outputs and expert judgment favours below average SSTs during the coming seasons (MJJ and JJA 2022).
- Sea Surface Temperatures in the Western Tropical Indian Ocean (WTIO) and South-Eastern Tropical Indian Ocean (SETIO) have been near average during March to April 2022. Model outputs and experts' assessments are in favour of persistence of this condition for the coming months.
- Sea Surface Temperatures over the Mediterranean Sea have been near average in March 2022. Model outputs and experts' judgment predict persistence of these conditions during the next seasons (MJJ to JAJ 2022).

RAINFALL OUTLOOK (MJJ & JJA)

Given these SST anomalies, sub-surface temperature patterns and trends, knowledge and understanding of seasonal climate variability in Africa, and the available long range forecast products from Global Producing Centers for Long Range Forecasts, the following outlooks for precipitation and temperature are provided for -May-June-July (MJJ) and June-July-August (JJA) 2022 seasons across Africa (see the figures below):

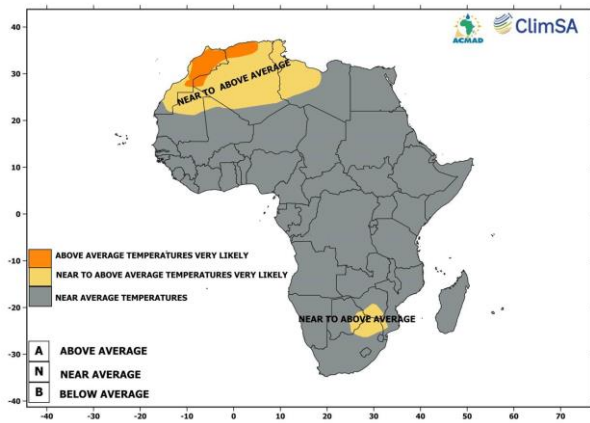
During the May to August 2022 period;

- During April 2022, over Liberia, south-eastern Nigeria, Cameroon, Gabon, south-western Congo and DRC, western Zambia, northern Zimbabwe, eastern Tanzania, south-eastern Kenya and eastern and central parts of Ethiopia experienced below normal precipitation. Above average was observed over DRC, the western parts of Eastern Africa, most of the central and eastern SADC region and parts of Madagascar.
- The outlooks for the rainfall season during the May to August 2022 period favour a normal to below rainfall over eastern Sierra Leone, Liberia, south-western Côte d'Ivoire, Cameroon, Gabon, northern Ethiopia, much of Djibouti and southern Madagascar.
- Above precipitation is very likely over southern Mali, Niger, Burkina Faso, northern Nigeria, central Chad, southern Sudan, northern South-Sudan and westernmost of Ethiopia during the May to August 2022 period.
- Above average temperature is very likely over northern Morocco, Algeria during May to August 2022.
- Near to above average temperature is very likely over Morocco, much of Algeria, Tunisia, Libya, and north Mauritania, northernmost of Mali, eastern Botswana, southern Zimbabwe and northern South Africa.

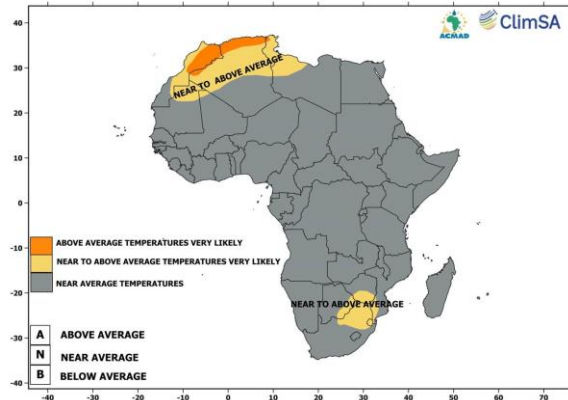


NB: Users are advised to seek more detailed climate information on the distribution of precipitation during the season, impacts and action options from their National Meteorological and Hydrological Services and the ACMAD website (www.acmad.net or www.acmad.org).

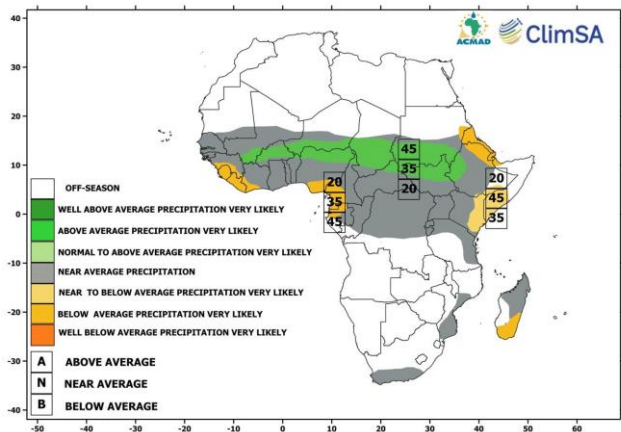
SEASONAL TEMPERATURE FORECAST
FOR MAY-JUNE-JULY 2022
ISSUED ON APRIL 29, 2022



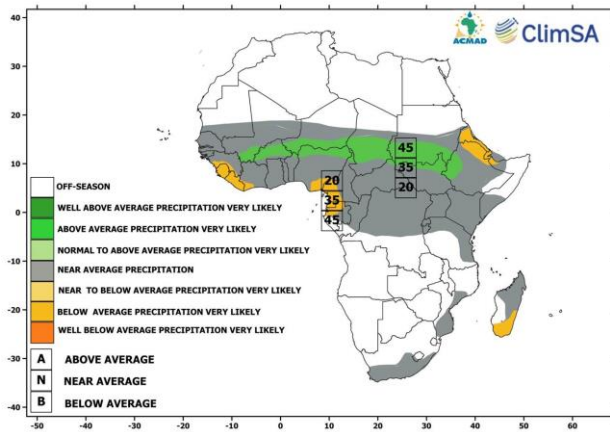
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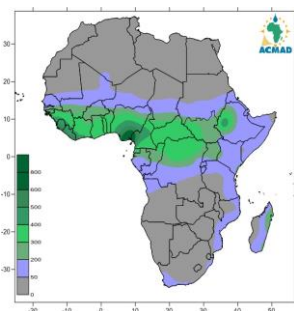
SEASONAL PRECIPITATION FORECAST
FOR MAY-JUNE-JULY 2022
ISSUED ON APRIL 29, 2022



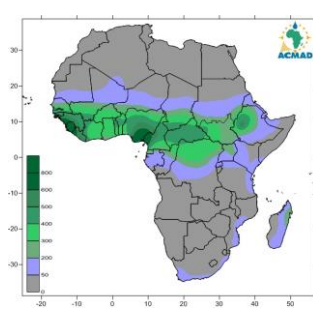
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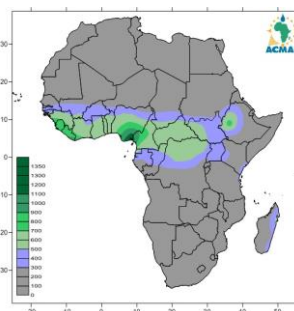
75% of MJJ average



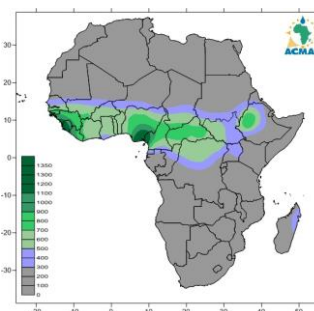
75% of JJA average



125% of MJJ average



125% of JJA average



The African seasonal precipitation average based on the reference period 1981-2010 for May-June-July (MJJ) and June-July-August (JJA). The 75% threshold depicts areas that climatologically are under significant deficits or drought.

Data source: NOAA/NCEP/CPC/CAMS-OPI

The African seasonal precipitation average based on reference period 1981-2010 for May-June-July (MJJ) and June-July-August (JJA). The 125% threshold depicts areas that climatologically are under significant excessive precipitation.

Data source: NOAA/NCEP/CPC/CAMS-OPI

