

AFRICAN REGIONAL CLIMATE CENTRE

LONG RANGE FORECAST PRODUCT FOR AFRICA VALID FOR MARCH-APRIL-MAY AND APRIL-MAY-JUNE 2022 SEASONS.

ISSUED: February 28, 2022

Highlights

- During January to February 2022, below average was observed over northern Africa, southern Cameroon, Gabon, central of DRC, southern Angola, Botswana, Zimbabwe, Mozambique, South Africa, and western Madagascar. Above average was observed over southern DRC, most of central Eastern parts of SADC region and much of Madagascar.
- The outlooks for the rainfall season during the March to June 2022 period are below average is expected over Morocco, southern of Guinea Gulf, Cameroon, Mozambique and Madagascar, southernmost of Ethiopia, much of Guinea Equatorial and Gabon, northernmost of Kenya and central part of Somalia.
- Normal to above precipitation is very likely over Algeria, Tunisia, northern Guinea, western Burkina Faso, southern-western and easternmost of DRC, southern-west of Angola, much of Rwanda, Burundi, Tanzania, Malawi, northern Mozambique and Madagascar.
- Above average Temperature is very likely over northern Morocco and Algeria from March to June 2022
- Near to above average temperature is very likely over central and southern Morocco, much of Algeria, Libya, north and central Mauritania, northern Mali, south-eastern of Angola, south-western Zambia. Most parts of Botswana and south-western Zimbabwe

RECENT SST CONDITIONS AND OUTLOOK

- The Equatorial Sea surface temperatures (SSTs) have been below average conditions across most of the Pacific Ocean since October 2021 to February 2022. During the March to June 2022 period, La Niña is favoured to decreasing phase.
- Near to above average SSTs were observed over the Tropical North Atlantic (TNA) during December 2021 to February 2022. Most model outputs and expert judgments favour persistence of these conditions during the evolution of the seasons (MAM and AMJ 2022).
- Near to average Sea Surface Temperatures characterized the North Atlantic Tropical (NAT) during December 2021 to February 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 2022 and it is expected for below normal conditions during the coming months.
- The SST over the Tropical South Atlantic (TSA) has been near to above average during February 2022. Model outputs and expert judgment favours a decrease in SSTs during the coming seasons (MAM and AMJ 2022).
- Sea Surface Temperatures in the Western Tropical Indian Ocean (WTIO) and South-Eastern Tropical Indian Ocean (SETIO) have been near average during February 2022. Model outputs and experts assessments are in favour of persistence of this condition for the coming months.
- The Sea Surface Temperatures over the Mediterranean Sea have been near average February 2022. Model outputs and experts judgment predict persistence of these conditions during the next seasons (MAM to AMJ 2022).

RAINFALL OUTLOOK (FMA & MAM)

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 March-April-May (MAM) and April-May-June (AMJ) 2022 seasons across Africa (see the figures below):

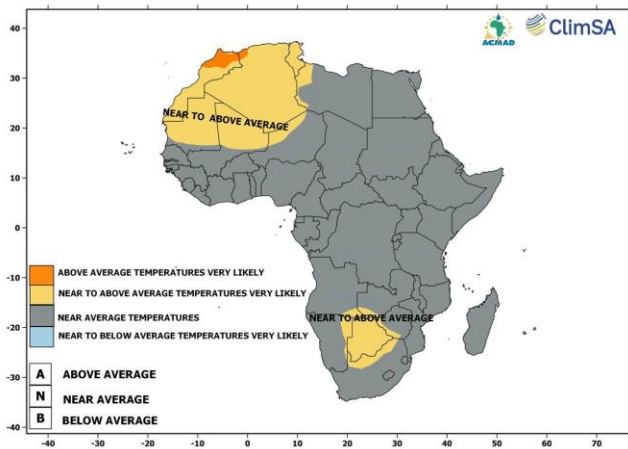
During the March to June 2022 period;

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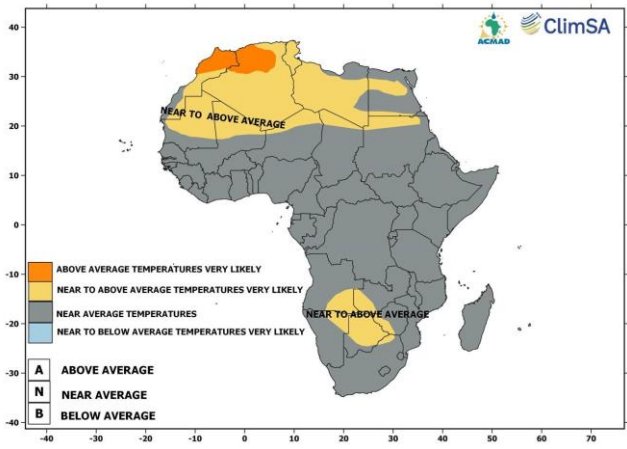


NB: Users are advised to seek more detailed climate information on the distribution of precipitation during the season, impacts and action options from their National Meteorological and Hydrological Services and the ACMAD website (www.acmad.net or www.acmad.org).

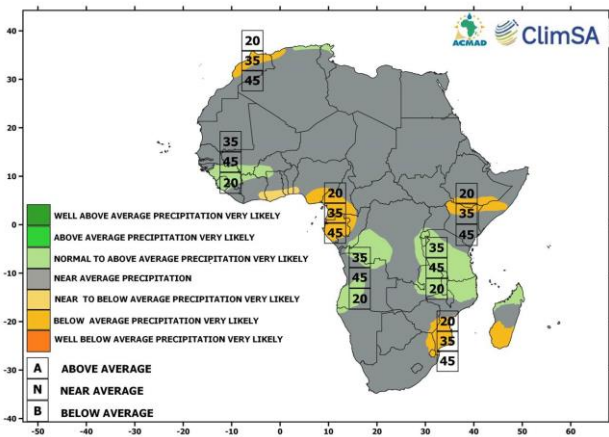
SEASONAL TEMPERATURE FORECAST FOR MARCH-APRIL-MAY 2022 ISSUED ON FEBRUARY 28, 2022



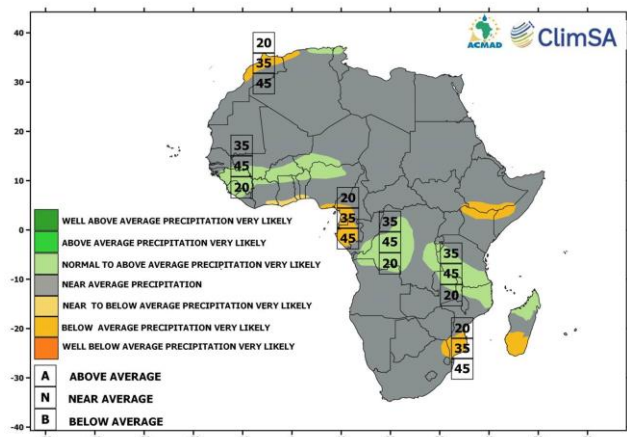
SEASONAL TEMPERATURE FORECAST FOR APRIL-MAY-JUNE 2022 ISSUED ON FEBRUARY 28, 2022



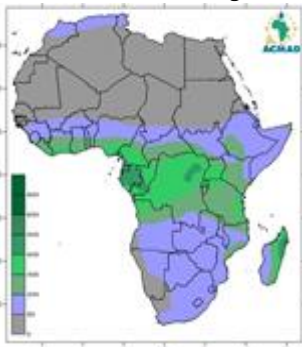
SEASONAL PRECIPITATION FORECAST FOR MARCH-APRIL-MAY 2022 ISSUED ON FEBRUARY 28, 2022



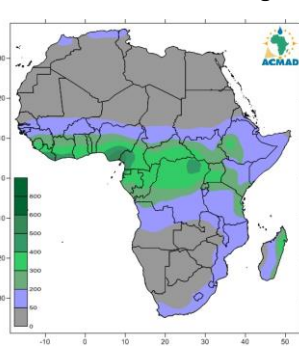
SEASONAL PRECIPITATION FORECAST FOR APRIL-MAY-JUNE 2022 ISSUED ON FEBRUARY 28, 2022



75% of MAM average



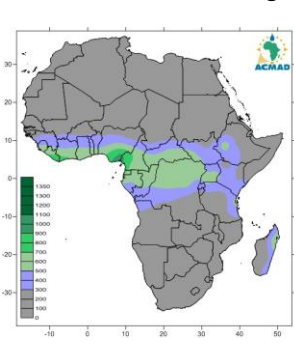
75% of AMJ average



125% of MAM average



125% of AMJ average



The African seasonal precipitation average based on the reference period 1981-2010 for March-April-May (MAM) and April-May-June (AMJ). The 75% threshold depicts areas under significant deficits or drought.

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

The African seasonal precipitation average based on reference period 1981-2010 March-April-May (MAM) and April-May-June (AMJ). The 125% threshold depicts areas under significant excessive precipitation.

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

