

Summary

The 1st dekad of agrometeorological bulletin for November, 2018 shows the country recorded low to moderate rainfall total across the southern parts of the country. Normal to above normal rainfall anomalies was observed in the southern parts of the country while normal to below normal rainfall anomalies were observed across the northern parts of the country. Highest temperature was recorded at Sokoto (37.8°C). The Inter Tropical Discontinuity (ITD) is expected to move northward to attain a mean position of 10.0°N. Harvesting of maize, vegetables, root and tuber crops are continuing across some parts of the country.

1.0 Rainfall Pattern

This section highlights the observed rainfall amount, rain-day, available soil moisture and their departures from 30-year average for the 1st dekad of November, 2018.

1.1 Rainfall Amount

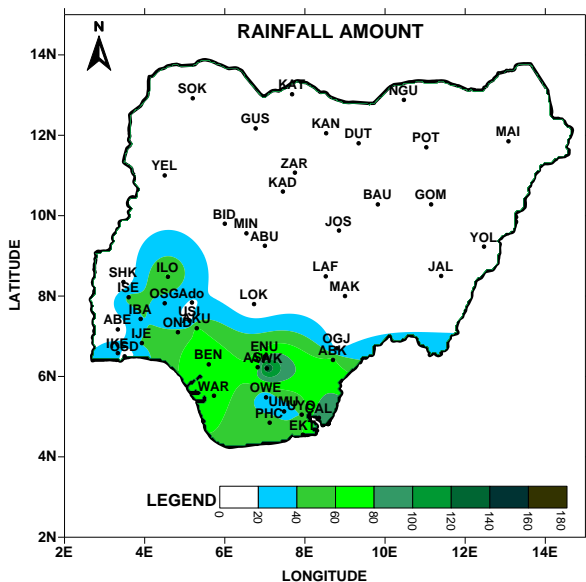


Figure 1: Rainfall Amount (mm)

Figure 1 shows the total rainfall amount for 1st dekad of November, 2018. The country recorded low to moderate rainfall total across the southern parts of the country. The highest rainfall total was observed at Awka with about 141.2mm of rainfall, followed by Calabar and Enugu with rainfall values of 97.1mm and 71.9mm respectively.

1.2 Rainfall Departure.

The rainfall departure for the 1st dekad of November, 2018 is presented in figure 2 shows that normal to above normal rainfall anomalies was observed in the southern parts of the country while normal to below normal rainfall anomaly were observed across the northern parts of the country.

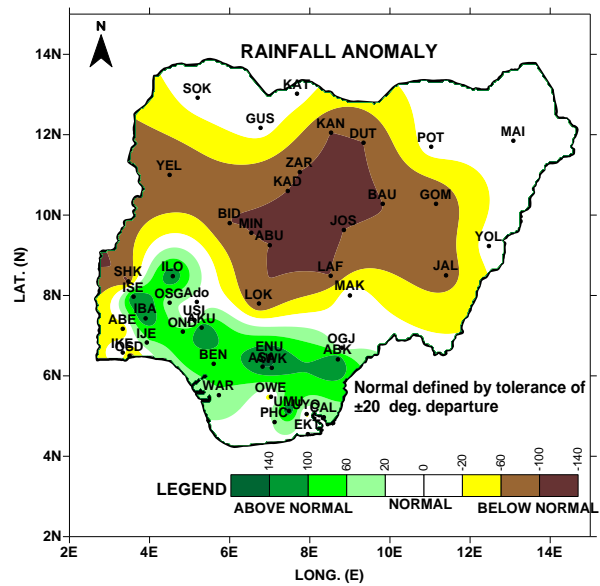


Figure 2: Rainfall Departure

1.3 Number of Rain Days

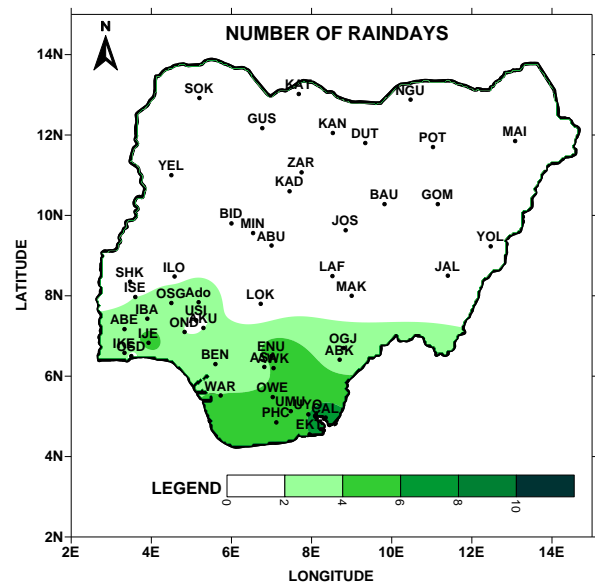


Figure 3: Rain- Day

The distribution of number of rain-days for the 1st dekad of November 2018 is shown in figure 3.

Between 1-7 rain-days were recorded across the southern parts of the country.

1.4 Soil Moisture Index.

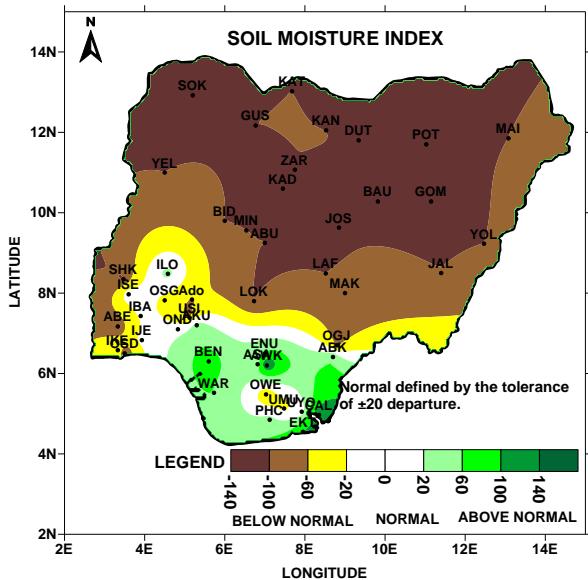


Figure 4: Soil Moisture Index (SMI).

The distribution of available soil moisture across the country is shown in figure 4. Most parts of the country showed below normal soil moisture conditions except the southern parts of the country where normal to above normal soil moisture conditions were observed.

2.0 Temperature Trend

The maximum temperature trends across the country and their departures from 30-year average during the dekad are highlighted in this section.

2.1 Maximum Temperature Trend

The day-time temperature for the 1st dekad of November, 2018 presented in figure 5 shows the mean maximum temperature ranged from 27.9°C (over Usi-Ekiti) to 37.8°C (over Sokoto).

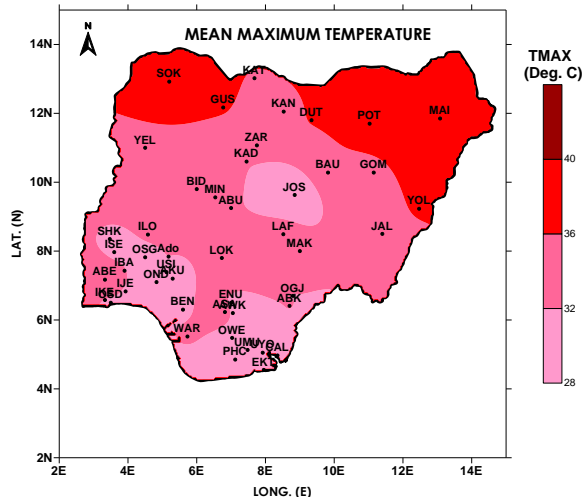


Figure 5: Mean Maximum Temperature

2.2 Maximum Temperature Departure

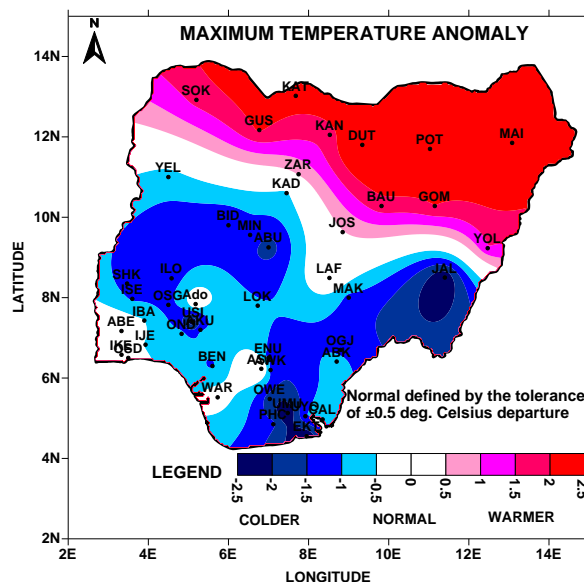


Figure 6: Maximum Temperature Anomaly.

The maximum temperature anomaly across the country is presented in figure 6. The country experienced colder than-normal to warmer than normal temperature anomalies in most states with exception of places around Lafia, Ado-Ekiti Asaba Warri and some parts of south-west experienced normal day-time temperature anomalies.

3.0 Weather/Agricultural Outlook for second dekad (11-20) of November, 2018.

3.1 Weather Outlook

The Inter-Tropical Discontinuity (ITD) is expected to move towards the north to attain a mean position of 10.0°N.

Cloudy conditions are anticipated over most parts of the northern region with chances of isolated thunderstorms in the afternoon period. Prospects of afternoon thunderstorm with occasional rains in the morning hours are expected around the central region. The southern states are expected to be in mostly cloudy conditions during the period accompanied by continuous rains.

3.2 Advisories

Reference to the Nigerian Meteorological Agency (NiMet) Seasonal Rainfall Prediction (i.e. Forecast for planting date, cessation, length of growing season and total rainfall amount) for 2018, farmers are advised to go through NiMet website

(www.nimet.gov.ng) or contact NiMet stations nearby for more information and guidance.

3.3 Agricultural Activity

Farmers across the country more especially the sudano-sahelian zone (Borno, Yobe, Jigawa, Katsina, Zamfara, Kebbi and Sokoto) are advised to continue planting ecologically friendly trees for soil fertility, conservation and *carbon sequestration*. Harvesting of maize, vegetables, root and tuber crops are continuing across some parts of the country.

Kindly send feedback to:

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