

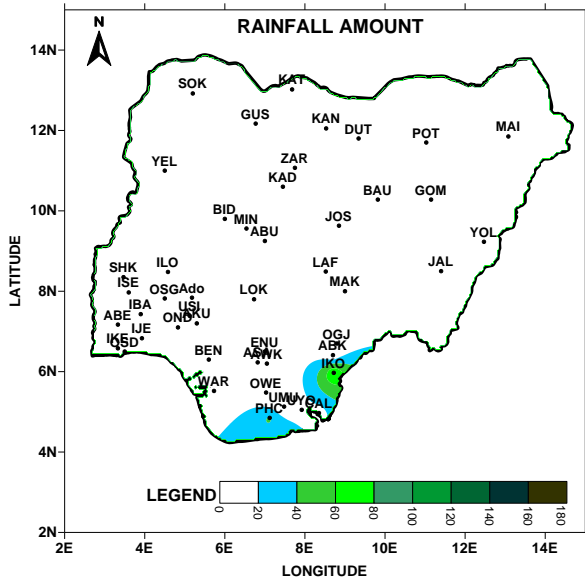
**Summary**

The 3<sup>rd</sup> dekad of agrometeorological bulletin for November, 2018 shows a slight improvement of rainfall amounts across the coastal parts of the country when compared to the previous dekad. Normal to below normal rainfall anomalies were also observed over most parts of the country except for a few places around Ibadan, Ikom and Port-Harcourt that experienced above normal rainfall anomalies. The mean maximum temperature ranged from 28.8°C (over Jos) to 37.1°C (over Yola). The temperature anomaly reveals normal to warmer than-normal temperature anomalies across most parts of the country. The Inter Tropical Discontinuity (ITD) is expected to move northward to attain a mean position of 7.5°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 3<sup>rd</sup> dekad of November, 2018.

**1.1 Rainfall Amount**

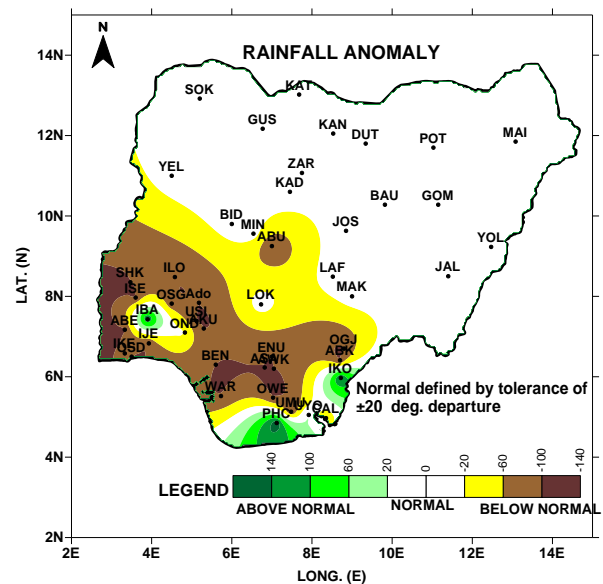


**Figure 1: Rainfall Amount (mm)**

The total rainfall amount for the 3<sup>rd</sup> dekad of November, 2018 is presented in figure 1. A slight improvement of rainfall amounts were observed across the coastal parts of the country when compared to the previous dekad. Moderate amount of rainfall were reported at Ikom and Port-Harcourt with 78.4mm and 41.5mm of rainfall respectively.

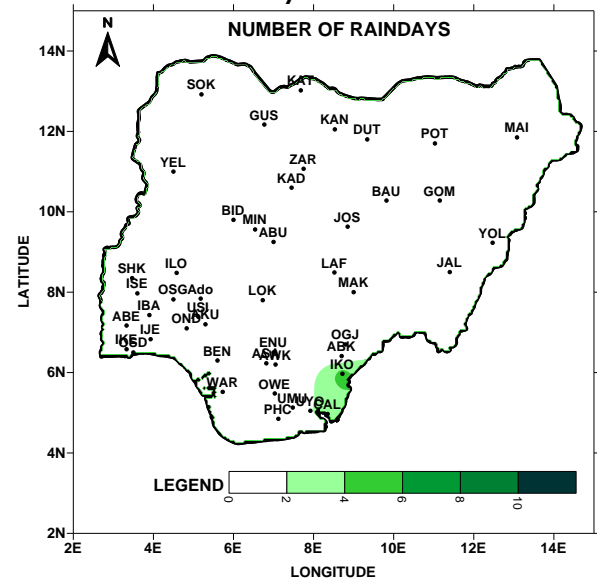
**1.2 Rainfall Departure.**

The rainfall departure for the 3<sup>rd</sup> dekad of November, 2018 is shown in figure 2. Normal to below normal rainfall anomalies were observed over most parts of the country except for a few places around Ibadan, Ikom and Port-Harcourt that experienced above normal rainfall anomalies.



**Figure 2: Rainfall Departure**

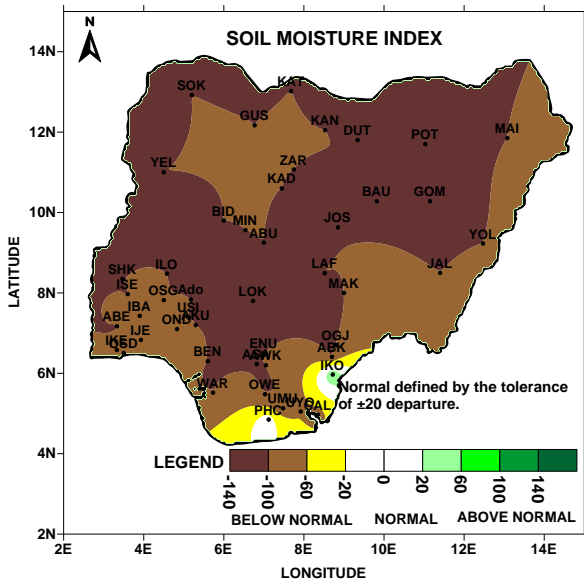
**1.3 Number of Rain Days**



**Figure 3: Rain- Day**

The distribution of number of rain-days for the 1<sup>st</sup> dekad of November 2018 is shown in figure 3. Between 1-5 rain-days were recorded across the south-eastern parts of the country.

### 1.4 Soil Moisture Index.



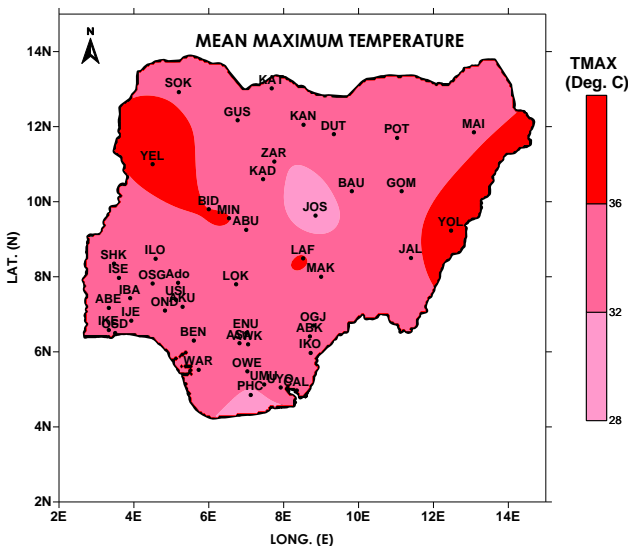
**Figure 4: Soil Moisture Index (SMI).**

The distribution of available soil moisture across the country is shown in figure 4 reveals below normal soil moisture conditions were observed in most parts of the country except places around Ikom and Port-Harcourt 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

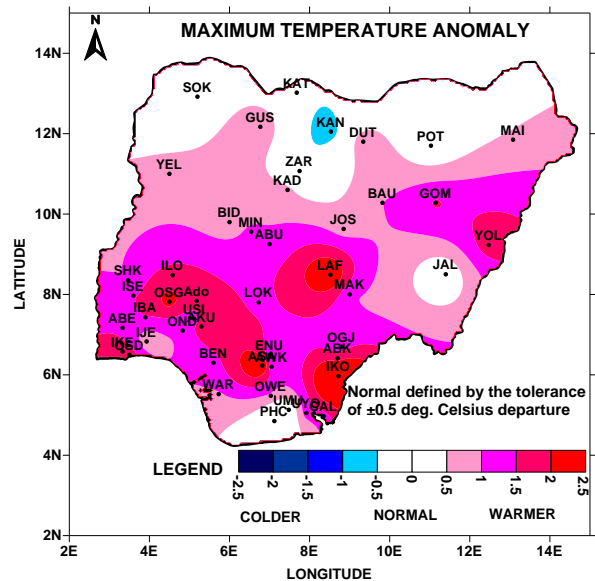


**Figure 5: Mean Maximum Temperature**

The day-time temperature for the 3<sup>rd</sup> dekad of November, 2018 presented in figure 5 shows mean

maximum temperature ranged from 28.8°C (over Jos) to 37.1°C (over Yola).

#### 2.2 Maximum Temperature Departure



**Figure 6: Maximum Temperature Anomaly.**

The maximum temperature anomaly across the country is shown in figure 6 indicate most parts of the country experienced normal to warmer than-normal temperature anomalies with exception of places like around Kano that experienced colder than normal day-time temperature anomaly.

### 3.0 Weather/Agricultural Outlook for First dekad (01-10) of December, 2018.

#### 3.1 Weather Outlook

The Inter-Tropical Discontinuity (ITD) is expected to move towards the north to attain a mean position of 7.5°N.

Sunny and Hazy condition are anticipated over most parts of the northern region. The central states are expected to be in sunny conditions.

The southern states are expected to be in mostly cloudy conditions during the period accompanied by drizzles (light rains) in the evening hours.

#### 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](http://www.nimet.gov.ng)) or contact NiMet stations nearby for more information and guidance.

### 3.3 Agricultural Activities

Rain-fed agriculture is gradually coming to an end. 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 parts of the country.

**Kindly send feedback to:**

**The Director-General/CEO,**

**Nigerian Meteorological Agency (NiMet),**

**National Weather Forecasting and Climate**

**Research Centre, NnamdiAzikiwe International**

**Airport, PMB 615 Garki, Abuja.**

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