

NIGERIAN METEOROLOGICAL AGENCY

NATIONAL WEATHER FORECASTING AND CLIMATE RESEARCH CENTRE,
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SUMMARY

The 1st dekad of January indicated the country had no rain. The position of ITD continued to fluctuate between latitude 6^oN to 7.5^oN. Soil moisture condition in the country was deficit. Rainfall anomaly was normal in the North and central states while in the South, it was deficit. The country experienced decreased maximum temperatures with the highest value of 35^oC as recorded over Abeokuta and Katsina having the lowest value of 23.2^oC. Harvest of vegetables, tomatoes and other horticultural crop remains the main activity in the country.

1.0 RAINFALL PATTERN

1.1 Rainfall Anomaly (Deficit / Surplus)

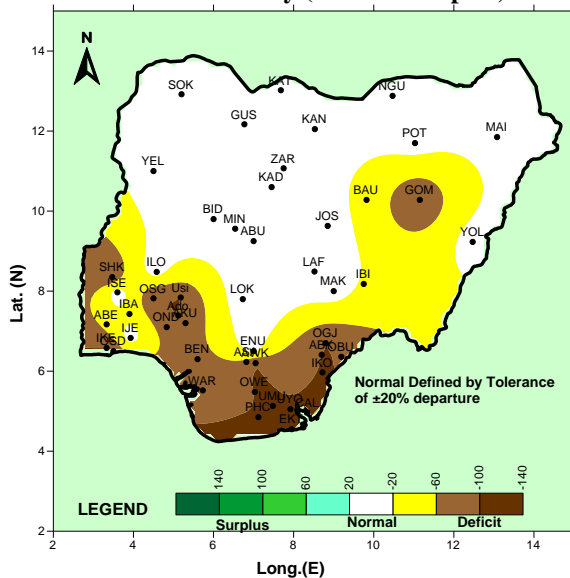


Fig.1: 1ST DEKAD NOV, RAINFALL ANOMALIES

Rainfall anomalies over the country is depicted in Fig.1 above and it shows deficit and normal rainfall anomaly in the country, rainfall was not reported in the country.

Rainfall Amounts

Rainfall was not reported over the country during the 1st dekad of January 2015.

2.0 SOIL MOISTURE CONDITION

Soil moisture condition in the country is dry and shows deficit

3.0 MAXIMUM TEMPERATURE TREND

3.1 Maximum Temperature Anomaly

Maximum temperatures anomalies over the country is revealed in Fig.2 below shows colder than normal temperature over the country with exception of the southwest that recorded normal to warmer than normal temperatures.

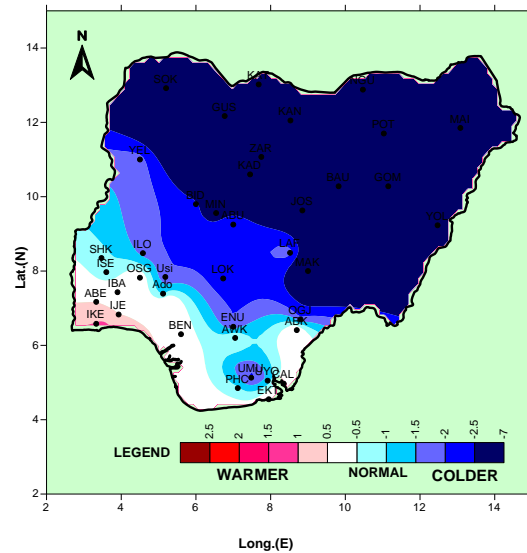


Fig.2: Maximum Temperature Anomaly.

3.2 Maximum Temperature Values.

Fig.7 below highlights the actual mean maximum temperature distribution across the country and indicates that the northern states recorded maximum temperatures below 30^oC. The central and southern states recorded 30^oC to 34^oC except places like Abeokuta and Ikeja that recorded above 34^oC.

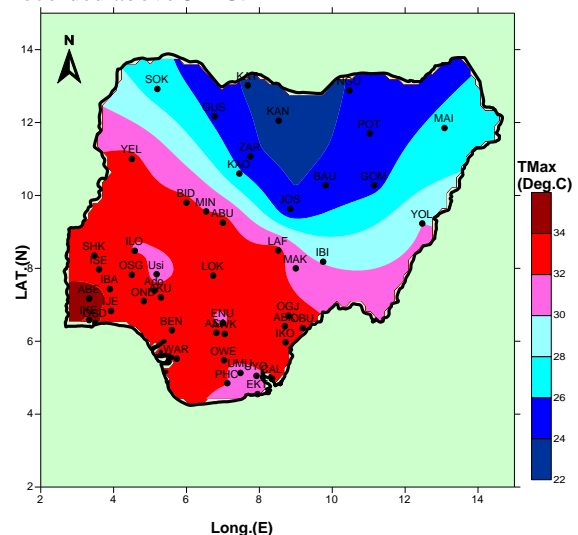


Fig. 7: Mean maximum Temperature

WEATHER/AGRICULTURAL OUTLOOK FOR DEKAD 2 (11 TO 20), OF NOVEMBER, 2014

4.1 Weather Outlook

The position of Inter Tropical Discontinuity (ITD) is likely to fluctuate between latitudes 7deg. N and 8degN. The country is expected to be sunny, dry and hazy.

The northern and the central states are expected to have mean maximum temperatures of the range 24 °C - 30°C, while the mean minimum temperatures will lie between 8°C and 15°C. The mean maximum temperatures over the inland and coastal areas of the South are expected to

be between 30°C and 34 °C, while the mean minimum temperatures will range from 18°C to 20°C.

4.2 Agricultural Activity/Outlook

Dry season farming is expected to continue with harvest of tomatoes, pepper, Okra, carrots and other green vegetables. Irrigation of wheat field particularly in Jigawa, and Kano continues.

TABLE OF AGROMETEOROLOGICAL DATA FOR THE DEKAD

STATION	RAINFALL	RAINDAY	PET	TMAX	TMIN	GDD	RAD
ABEOK	0	0	59.3	35	18.3	186.5	25
ABAKALIKI	0	0	51.3	33.8	21.9	198.8	21.2
ABUJA	0	0	57.6	32.9	15.6	162.7	25.4
AKURE	0	0	58.8	33.1	15.1	161.1	26
AWKA	0	0	56.9	33.1	16.8	169.7	24.8
BAUCHI	0	0	43.7	24.8	12.1	104.4	21.6
BIDA	0	0	52.6	32.5	18.6	175.5	22.7
CALABAR	0	0	50.1	32.2	20.2	182.1	21.3
EKET	0	0	41.8	29.9	21.5	177.1	17.9
ENUGU	0	0	51.9	31.7	18.0	168.2	22.7
GOMBE	0	0	43.1	25.4	13.6	115.3	20.8
GUSAU	0	0	44.3	25.6	12.7	111.8	21.5
IJEBU	0	0	54.9	33.5	19.1	183.1	23.3
IKEJA	0	0	XX	33.8	XX	XX	XX
ILORIN	0	0	54.7	31.9	16.3	160.7	24.2
ISEYIN	0	0	55.7	32.8	17.2	170	24.2
JOS	0	0	46.9	24.1	7.9	80.1	24.5
KADUNA	0	0	45	26.3	13.7	120.3	21.5
KATSINA	0	0	42.2	23.8	11.2	95	21.3
LAFIA	0	0	57.1	32.7	15.8	162.5	25.1
LOKOJA	0	0	55.9	32.4	16.3	163.4	24.6
MAKURDI	0	0	53.5	31.2	15.6	155.7	23.9
MINNA	0	0	50.5	32.0	19.3	176.1	21.7
NGURU	0	0	XX	25.0	XX	XX	XX
OGOJA	0	0	50.2	32.6	20.7	186.5	21.2
OSHODI	0	0	54.3	34.2	20.7	194.1	22.6
OSOGBO	0	0	59.2	33.5	15.6	165.4	25.9
OWERRI	0	0	53.1	32.1	18.0	170.4	23.1
PHC	0	0	53.4	32.1	17.6	168.5	23.4
POT	0	0	43.7	24.9	12.1	104.9	21.6
SHAKI	0	0	56.2	32.7	16.4	165.2	24.7
SOKOTO	0	0	45.8	27.1	14.0	125.2	21.7
UMUAHIA	0	0	46.3	31.6	21.4	185.2	19.6
UYO	0	0	49.7	31.6	19.6	176.2	21.4
YELWA	0	0	55.7	32.5	16.2	163.9	24.5
YOLA	0	0	xx	30.0	XX	XX	XX
ZARIA	0	0	42.6	24.5	12.3	103.9	21.1
USI-EKITI	0	0	60.4	31.5	9.7	126.2	28.6
ADO-EKITI	0	0	56.3	32.3	15.8	160.5	24.9

Note:

Rainfall (mm)

PET = Potential Evapotranspiration (mm/day)

TMAX = Maximum Temperature (°C)

TMIN = Minimum Temperature (°C)

GDD = Growing Degree Day (day)

RAD = Radiation (MJ/m²/day)

Dear All,

Comments and suggestions on how to improve this publication are welcome. Agrometeorologists, Agriculturists, Extension Workers, Research Officers, Users and the General Public should kindly send feedback to:

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