

1.3 Number of Rain Days.

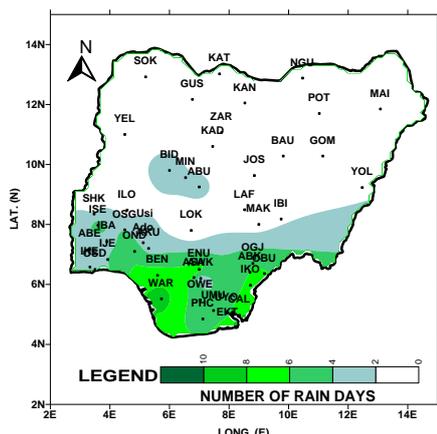


Fig.4: NUMBER OF RAIN DAYS

Number of rain-days distribution over the country is shown in *Fig.4* above. It reveals a reduction in the number of rain-days in the North such that their stations recorded between 0 and 2 rain-days except places like Abuja and Bida that had 3 rain-days. Most stations in the central and southern states had 3 - 6 rain-days while few stations like Enugu, Benin, Warri, Eket and Calabar recorded 7 to 9 rain-days.

2.0 SOIL MOISTURE CONDITION

Fig.5 below shows the soil moisture indices across the country and it reveals that the northern and central parts of the country had deficit soil moisture conditions, effect of ending of rainy season in the area. The Southern part had neutral to surplus soil moisture indices that supported good development of maturing crops in that part of the country.

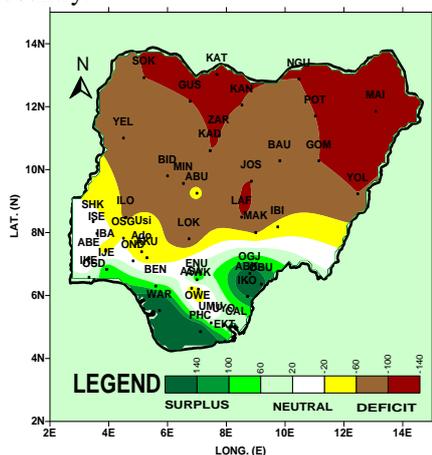


Fig.5: 3RD DEKAD OF OCTOBER SOIL MOISTURE INDEX (SMI)

3.0 MAXIMUM TEMPERATURE TREND

3.1 Maximum Temperature Anomaly

Fig.6 below is the maximum temperature anomaly and it shows that most parts of the country had normal to colder than normal maximum temperature anomalies. However, stations like Katsina, Shaki, Ikom, Kaduna, Nguru and

Sokoto recorded warmer than normal temperature anomaly.

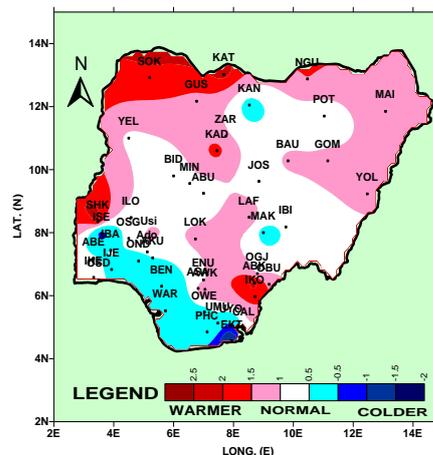


Fig.6: Maximum Temperature Anomaly.

3.2 Maximum Temperature Values.

Actual mean maximum temperature distribution across the country is shown in *Fig.7* below and indicates that most parts of the country had mean maximum temperatures above 30°C except Jos, Eket, and Uyo. The extreme North had mean maximum temperature above 34°C. Sokoto and Eket stations recorded the highest and lowest temperature values of 38.3°C and 28°C respectively.

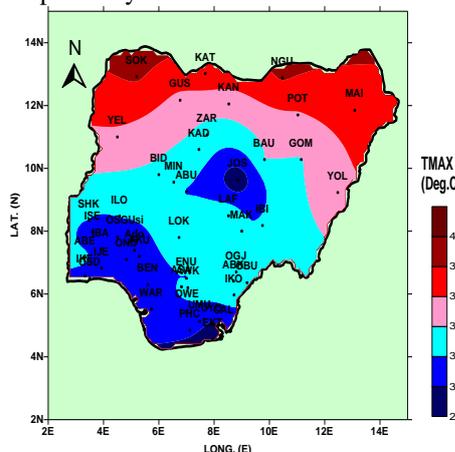


Fig. 7: Mean maximum Temperature

WEATHER/AGRICULTURAL OUTLOOK FOR DEKAD 1 (1 TO 10), OF NOVEMBER, 2014

4.1 Weather Outlook

The position of Inter Tropical Discontinuity (ITD) is likely to oscillate between latitudes 9deg. N and 11degN. The northern part of the country is expected to be partly cloudy and sunny. The central states are expected to be cloudy/partly with occasional rains/thunderstorms. The inland and coastal areas of the South are likely to

experience cloudy weather conditions with rains/showers and localized thunderstorms.

The northern and the central states are expected to have mean maximum temperatures of the range 30°C - 38°C, while the mean minimum temperatures will lie between 18°C and 22°C. The mean maximum temperatures over the inland and coastal areas of the South are expected to be between 28°C and 31°C, while the mean minimum temperatures will range from 22°C to 24°C.

4.2 Agricultural Activity/Outlook

Farmers in the country continued to harvest staple foods like, yam, cassava, maize, millet, legumes (groundnut and cowpea), water melon, melon seed and potatoes.

Preparation for the dry season farming is expected to start in the northern part of the country, through land clearing, nursery preparation and making all the necessary arrangement for the season.

TABLE OF AGROMETEOROLOGICAL DATA FOR THE DEKAD

STATION	RAINFALL	RAINDAY	PET	TMAX	TMIN	GDD	RAD
ABEOKUTA	43.3	3	50.3	32.4	23.6	220.2	18.8
ABUJA	26.4	3	54.2	31.9	20.9	202	20.9
ABAK	167.6	6	53.5	33.5	23.7	226.4	19.8
AKURE	27.1	3	48.6	30.8	22.0	202	18.7
AWKA	29.9	3	52.4	33.0	23.6	223.3	19.5
BAUCHI	19	1	60.7	34.0	20.6	212	23
BENIN	74.5	7	44.1	30.8	23.6	211.3	16.7
BIDA	10.9	3	54.1	33.5	23.3	224.3	20.1
CALABAR	50.6	8	47.4	30.7	22.5	204.5	18.2
EKET	80.2	8	36.3	28.0	23.0	192.7	14.2
ENUGU	97.1	7	50.5	31.9	22.8	212.7	19.1
GOMBE	0	0	56.5	33.9	22.7	223.4	21
GUSAU	0	0	65.4	35.4	19.8	215.7	24.7
IBADAN	28.7	3	48.1	31.1	22.7	207.8	18.4
IJEBU	90.8	4	46.2	30.7	22.9	206.5	17.7
IKEJA	36.3	2	XX	31.4	23.8	XX	XX
ILORIN	17.2	1	52.6	32.1	22.1	210.1	20
ISEYIN	59.6	5	49.7	30.7	21.4	198.2	19.3
JOS	0	0	54	28.2	15.2	150.6	22.8
KADUNA	0	0	61.7	33.4	19.0	200.2	23.9
KANO	0	0	68.6	34.9	16.5	194.8	26.8
KATSINA	0	0	71.2	37.3	19.1	222.1	26.6
LAFIA	0	0	54.6	33.7	23.5	226.4	20.2
LOKOJA	0	0	53.6	33.5	23.7	226.7	19.9

MAKURDI	16	1	50.6	32.1	23.0	214.7	19.1
MINNA	15.9	2	54.3	32.8	22.3	215.1	20.5
NGURU	0	0	71.7	38.2	20.4	234.7	26.3
OGOJA	142.8	6	52.4	32.5	22.8	216	19.7
OSHODI	62	2	46.1	31.2	23.7	213.8	17.4
OSOGBO	39.8	4	49.3	31.0	21.9	203	19
OWERRI	51.7	5	48	31.2	22.9	209.1	18.3
PHC	163.9	4	46.4	30.6	22.8	205.6	17.8
POT	0	0	68.3	35.8	18.5	210.5	26
SHAKI	53.8	2	52.7	32.0	22.0	209	20.1
SOKOTO	0	0	70.8	38.3	21.3	239.5	25.7
UYO	60.7	5	41.8	29.6	23.0	201.3	16.1
WARRI	169.4	9	44.4	30.8	23.6	211.5	16.8
YELWA	16.2	1	59.1	35.6	23.9	239.5	21.5
YOLA	0	0	58.9	35.7	24.2	241.7	21.3
ZARIA	0	0	59.9	33.2	19.6	202	23.1
ADO-EKITI	19.1	3	49.6	30.8	21.4	199.2	19.2
USI-EKITI	53.3	3	57.9	31.4	18.2	184.6	23

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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