

1.4 Number of Rain Days.

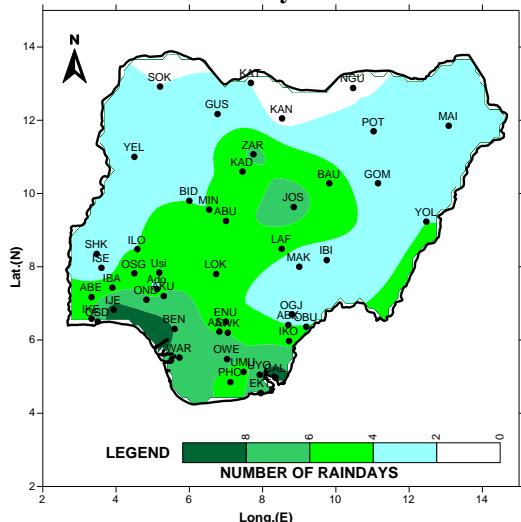


Fig.4: NUMBER OF RAIN DAYS

The Fig. 4 above is the distribution of rainfall across the country and it shows that most stations in the country recorded at least 2 rain-days except Kano, Nguru that had only 1 rainday within the dekad; Stations in the South recorded as high as 6 to 9 rain-days. The distribution was adequate and good for rain-fed agriculture and it favoured crops growth and development in the country.

2.0 SOIL MOISTURE CONDITION

Fig. 5 below shows the soil moisture indices across the country and indicates that the country was under normal to surplus soil moisture conditions except the Extreme North that experienced deficit soil moisture. The South and central states had normal to surplus soil moisture conditions.

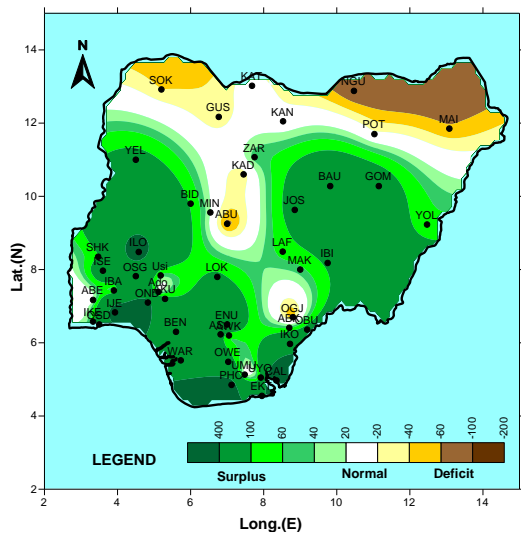


Fig.5: 2ND DEKAD OF JULY SOIL MOISTURE INDEX (SMI)

3.0 MAXIMUM TEMPERATURE TREND

3.1 Maximum Temperature Anomaly

Fig.6 below shows the maximum temperature anomaly across the country. It indicates that the Country is generally experiencing warmer than normal maximum temperature with the exception of Zaria, Shaki, Ekiti Eket and environs that had colder than normal maximum temperatures

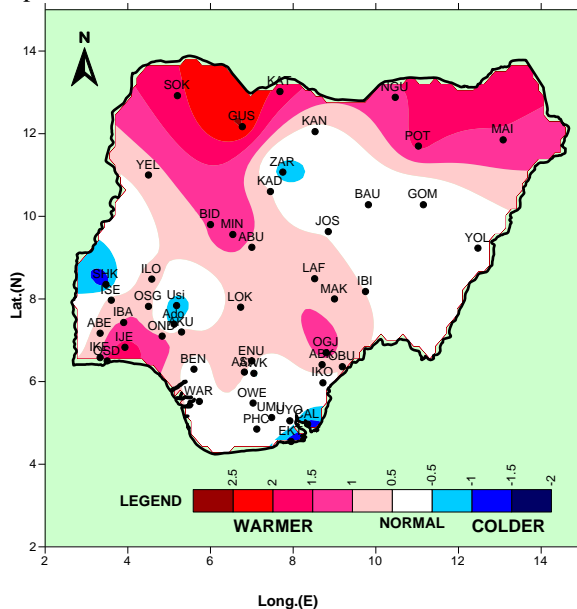


Fig.6: Maximum Temperature Anomaly.

3.2 Maximum Temperature Values.

The actual mean maximum temperature distribution across the country is shown in Fig.7 below and it reveals that the extreme North of the country recorded maximum temperatures in the range of 32°C to 36°C. The Central states ranges from 24°C to 31°C. Most stations in the South and central states recorded 31°C and below.

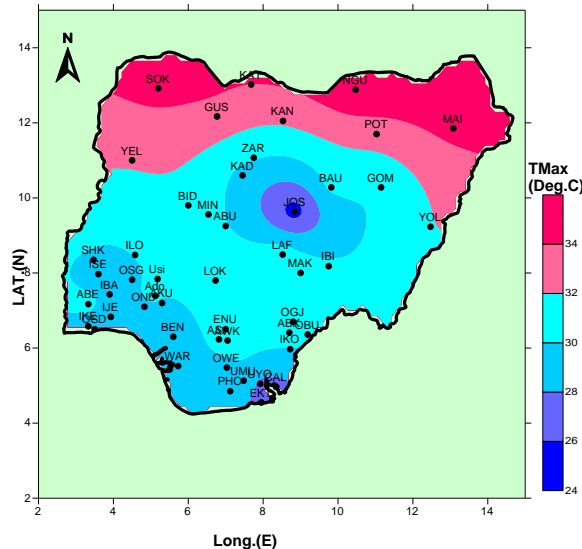


Fig. 7: Mean maximum Temperature

WEATHER/AGRICULTURAL OUTLOOK FOR DEKAD 3 (21 TO 31), OF JULY 2014

4.1 Weather Outlook

The position of Inter Tropical Discontinuity (ITD) is expected to oscillate between latitudes 19deg. N and 21degN. This feature is expected to place the northern part of the country under Cloudy weather conditions with thunderstorm/rains. The central part is expected to be cloudy with thunderstorm/rains. The inland and coastal areas are expected to be cloudy with rains/thunderstorms.

The mean maximum temperature in the North and the central will range from 25 °C to 31 °C, while the mean minimum temperature will be between 17 °C and 24 °C.

In the inland and coastal areas, the mean maximum

temperatures are expected to lie between 26 °C and 28 °C, while the mean minimum temperature will range from 21 °C to 24 °C.

4.2 Agricultural Activity/Outlook

Harvesting of New yam, sweet corn and fresh vegetables will be the main activity in the South. In the North, farmers will engage in earthen, fertilizer application and sowing of Sorghum. Farmers are advised to use the NiMet's 2014 Seasonal Rainfall Prediction (SRP) for good agricultural planning and increased yields and other relevant publications like the Drought and Flood Monitor bulletin.

TABLE OF AGROMETEOROLOGICAL DATA FOR THE DEKAD

STATION	RAINFALL	RAINDAY	PET	TMAX	TMIN	GDD	RAD
ABEOK	36.3	5	35.4	30.5	24	192.5	14.7
ABUJA	10.4	6	38.5	30.1	22	180.4	16.4
AKURE	83.1	7	36	29.1	22	175.3	15.5
ASABA	57.4	5	41.3	31.6	22.9	192.4	17.2
AWKA	58.6	6	38.3	31.1	23.6	193.6	16
BAUCHI	133	5	39	30.5	21.9	182.1	16.5
BENIN	99.5	8	32.2	29	23.4	181.8	13.7
BIDA	77.5	4	39.7	31.6	23.4	194.9	16.5
CALABAR	293.2	9	29.9	27.4	22.2	168.4	13
EKET	138.3	7	35.6	27.3	19.8	155.4	15.6
ENUGU	153.4	4	41.6	30.6	21.2	179.2	17.8
GOMBE	101	3	37.7	30.2	22.4	183.2	16
GUSAU	29.7	3	46.4	33.4	22.1	197.9	19.2
IBADAN	45.8	5	35.7	29.6	22.7	181.3	15.2
IJEBU	215.2	9	32.3	28.8	23.1	179.6	13.8
IKEJA	52.7	6	32.6	29.3	23.7	185	13.8
IKOM							
ILORIN	241.5	4	37.7	30.1	22.4	182.4	16
ISEYIN	119.3	3	35.5	28.9	21.9	174.4	15.3
JOS	84.4	7	34.6	24.9	16.8	128.7	16.3
KADUNA	24.1	4	38.3	29.4	21.1	172.5	16.6
KANO	38.7	1	42.5	32.3	22.7	195.1	17.6
KATSINA	42.6	2	43.3	34	24.5	212.6	17.4
LAFIA	70.3	5	40.1	31.2	22.7	189.4	16.8
LOKOJA	83.4	5	38.6	31.2	23.4	193.2	16.1
MAIDU	18	3	42.1	34.6	26.1	223.6	16.6
MAKURDI	63.7	2	42.1	31.1	21.6	183.9	17.8
MINNA	48.9	4	39.1	30.8	22.6	186.6	16.5
NGURU	8.4	2	50.3	35.9	23.3	215.7	20.1
OGOJA	14.5	3	39.7	31.5	23.4	194.1	16.5
ONDO	198.7	7	34.6	29.1	22.5	178.1	14.8
OSHODI	74.4	7	32.7	29.8	24.2	189.6	13.7
OSOGBO	123	5	34.2	28.9	22.4	176.5	14.7
OWERRI	62.7	7	34	29.3	23.1	182.4	14.4
PHC	218.8	5	34.3	29.2	22.9	182.4	14.4
POT	34.4	2	41.2	32.9	24.1	204.9	16.8
SHAKI	69	4	37.6	29.7	22	178.8	16.1
SOKOTO	26.8	2	45.3	34.7	24.6	215.3	18.2
UMUAHIA	30.4	5	35.6	30.1	23.4	187.4	15
UYO	45.7	8	28.2	27.5	22.8	171.7	12.2
WARRI							
YELWA	93.7	4	40.4	32.2	23.6	199	16.7
YOLA	65.5	4	38.3	31.9	24.4	201.4	15.7
ZARIA	62.8	7	40.8	30.2	20.8	175.1	17.6
OBUDU							
IBI							
ADO-EKITI	35.9	5	34.6	28.7	21.9	172.8	14.9
USI-EKITI	35	4	43.4	28.8	17.4	151.1	19.5
CALARMA							

Note:

RAINFALL (mm)
 PET (mm/day)
 TMAX (°C)
 TMIN (°C)
 GDD (day)
 RAD (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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