

1.3 Number of Rain Days.

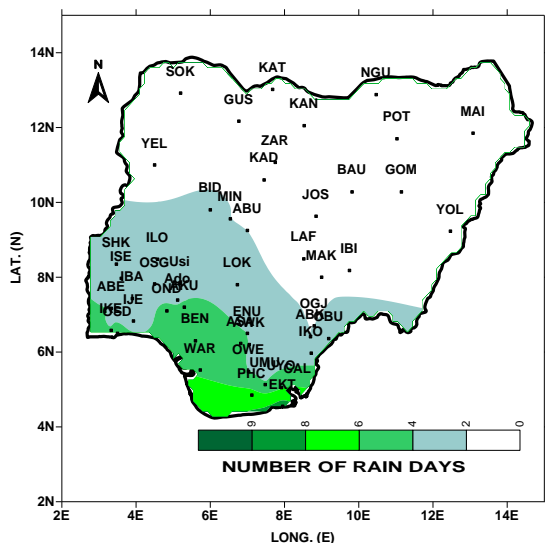


Fig.4: NUMBER OF RAIN DAYS

Fig.4 above shows the rain-days distribution over the country and it indicated that rainfall distribution in the country varies from 2 to 4 rain-days in the stations that recorded rain. Eket has the highest number of rain-days with 9 days, followed by Oshodi with 6 rain-days.

2.0 SOIL MOISTURE CONDITION

Soil moisture indices across the country for the dekad is highlighted in Fig.5 below and it reveals that the southern and central parts of the country had neutral to surplus Soil Moisture conditions while the northern and part of central of the country had deficit soil moisture conditions.

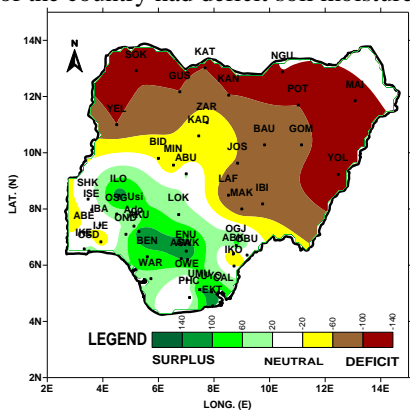


Fig.5: 3RD DEKAD OF MARCH SOIL MOISTURE INDEX (SMI)

3.0 MAXIMUM TEMPERATURE TREND

3.1 Maximum Temperature Anomaly

Maximum temperatures anomalies over the country is highlighted in Fig.6 below and it indicated that most parts of the country had normal to colder than normal maximum temperature anomalies, except the extreme

northern part of the country which had warmer than normal maximum temperature anomalies

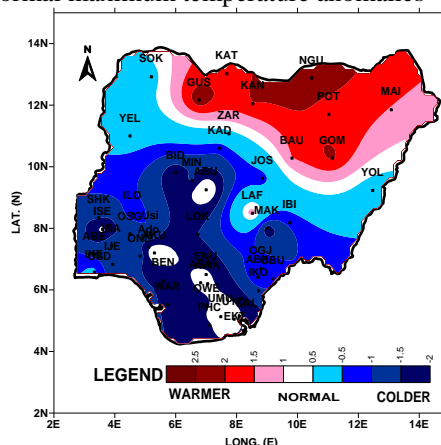


Fig.6: Maximum Temperature Anomaly.

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 maximum temperatures above 34°C except Jos and most parts of the South which recorded 30°C to 32°C maximum temperature values.

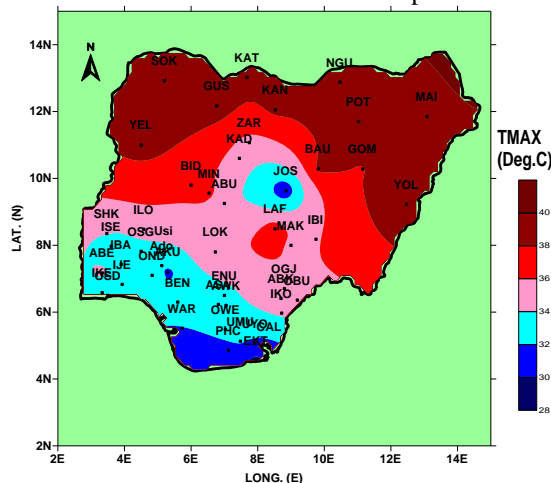


Fig. 7: Mean maximum Temperature

WEATHER/AGRICULTURAL OUTLOOK FOR DEKAD 1 (1 TO 10), OF APRIL, 2015

4.1 Weather Outlook

The position of Inter Tropical Discontinuity (ITD) is likely to oscillate between latitudes 10deg.N and 10.5deg.N. The northern and central parts of the country are expected to be sunny and partly cloudy. The inland and coastal areas of the South are likely to experience cloudy weather conditions and thunderstorms.

The northern and the central states are expected to have mean maximum temperatures of the range 32°C - 38°C, while the mean minimum temperatures will lie between 22°C and 24°C. The mean maximum temperatures over

the inland and coastal areas of the South are expected to be between 30^oC and 34^oC, while the mean minimum temperatures will range from 20^oC to 22^oC.

Planting of first season crops is expected to continue in the Southern part of the country while preparation for the new rainy season is expected to continue in the central part of the country.

4.2 Agricultural Activity/Outlook

TABLE OF AGROMETEOROLOGICAL DATA FOR THE DEKAD

STATION	RAINFALL	RAINDAY	PET	TMAX	TMIN	GDD	RAD								
ABEOKUTA	43.3	4	52.3	34.3	25.6	241.6	18.9	LOKOJA	79.1	3	58.5	36.0	25.4	250.1	20.9
ABUJA	71.2	2	56.8	34.2	23.5	229.1	21	MAKURDI	3.9	2	59.1	35.7	24.7	244.1	21.3
ABAK	13.8	2	53	35.3	25.6	247	19.2	MINNA	22.9	2	61.2	36.6	24.9	250.1	21.8
Asaba	171.9	3	59.9	34.3	22.4	224.3	22.3	NGURU	0	0	XX	39.3	XX	XX	XX
AKURE	113	5	49.8	31.6	23.1	212.9	18.9	OGOJA	109.2	2	59.4	35.6	24.6	243.2	21.4
AWKA	107.6	4	52.8	33.3	24.2	228.2	19.5	OSHODI	87.1	6	48.5	33.5	26.0	239	17.6
BAUCHI	17	1	69.9	38.3	23.0	249.5	25	OSOGBO	73.9	3	54.4	33.1	23.2	221.7	20.3
BENIN	125.4	5	67.6	32.4	24.7	258.6	23.8	OWERRI	49.9	4	52.7	32.5	23.1	218	19.8
BIDA	44.6	3	58.9	36.3	25.6	252.7	20.9	PHC	41.6	7	47.7	31.4	23.6	214.3	18
CALABAR								POT	0	0	72.2	38.9	22.4	249.2	25.8
EKET	101.1	9	45.7	29.5	21.8	194.1	17.9	SHAKI	54.3	4	57.6	34.2	23.3	228.2	21.3
ENUGU	117.5	4	50.7	33.1	24.7	229.8	18.7	SOKOTO	0	0	69.2	38.8	23.9	256.8	24.5
GOMBE	8.4	1	65	37.9	25.1	258.7	22.9	UMUAHIA	107.7	4	51.7	32.3	23.3	218.1	19.4
GUSAU	0	0	66	39.0	26.0	269.7	22.9	WARRI	-----	-----	-----	-----	-----	-----	-----
IBADAN	50.4	3	52.7	33.7	24.7	233.2	19.3	YELWA	0	0	64.3	38.8	26.1	269	22.4
IJEBU	21.1	2	47.9	32.7	25.2	230.7	17.6	YOLA	0	0	XX	39.8	XX	XX	XX
IKEJA	44.7	4	47.7	32.8	25.4	232.4	17.5	ZARIA	40.6	2	58.2	35.3	23.9	237.6	21.2
ILORIN	140.6	4	61.6	35.0	22.4	227.6	22.8	ADO-EKITI	61.3	3	53.2	32.6	23.0	217.8	20
ISEYIN	20.3	2	55	30.6	19.1	185.4	21.8	USI-EKITI	94.8	3	63.9	33.5	18.8	199.8	24.7
JOS	32.7	1	61.5	35.2	22.4	228.8	22.7								
KADUNA	0	0	69	38.4	23.3	250.9	24.6								
KANO	0	0	68.3	38.0	23.0	247.5	24.5								
KATSINA	1	1	60.4	37.0	26.0	258.9	21.3								
LAFIA															

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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