

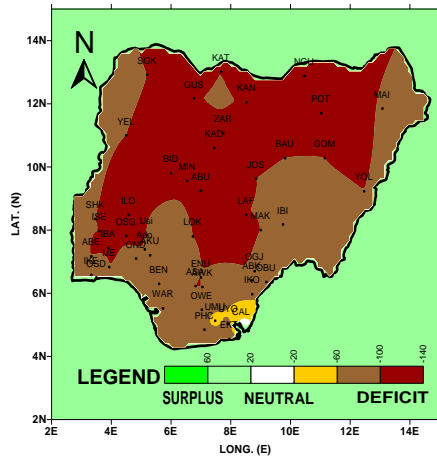


**Fig.4: NUMBER OF RAIN DAYS**

*Fig. 4* above shows the distribution of rainfall across the country and indicates that the stations in the South that recorded rains had 1 to 2 rain-days.

**2.0 SOIL MOISTURE CONDITION**

The soil moisture indices across the country are shown in *Fig. 5* below. The country was under deficit soil moisture condition except part of the South-south that showed normal-neutral soil moisture condition.

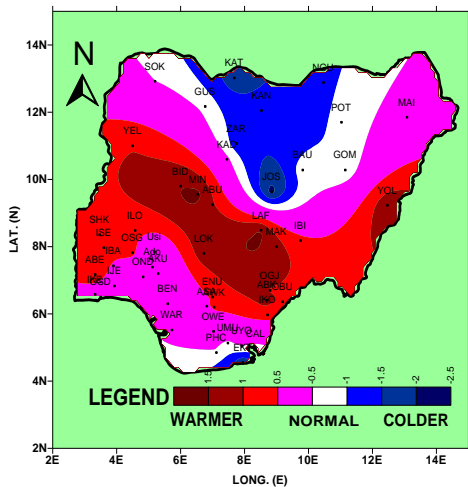


**Fig. 5: 1ST DEKAD OF FEBRUARY SOIL MOISTURE INDEX (SMI)**

**3.0 MAXIMUM TEMPERATURE TREND**

**3.1 Maximum Temperature Anomaly**

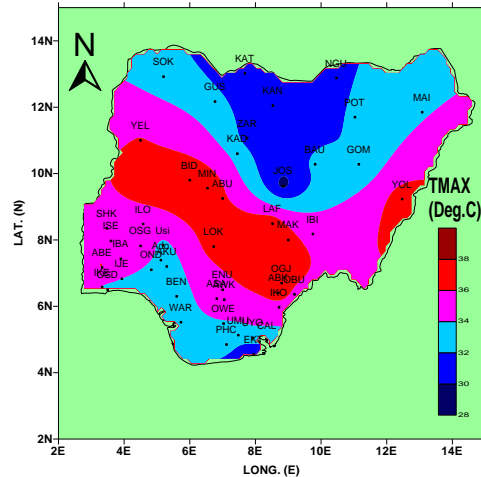
*Fig 6* below shows the maximum temperature anomaly across the country and indicates that some parts (blue areas) of the northern states were colder than normal maximum temperatures anomalies. The central and southern states had warmer than normal maximum temperature anomalies. Areas in and around Eket showed normal- to- colder anomalies.



**Fig.6: Maximum Temperature Anomaly.**

**3.2 Maximum Temperature Values**

The actual mean maximum temperature distribution across the country shown in *Fig 7* below indicates that some parts of the extreme North recorded  $32^{\circ}C$  and below, while Yelwa and Yola areas that had above  $36^{\circ}C$ . The central and southern states recorded maximum temperatures ranging from  $30$  to  $36^{\circ}C$ . Jos recorded the lowest value of  $29.4^{\circ}C$ .



**Fig. 7: Mean maximum Temperature**

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

**4.1 Weather Outlook**

The position of ITD is likely to fluctuate between latitude 8deg. N & 9degN. The northern and central parts of the country are expected to have hazy weather conditions. The inland areas are expected to be sunny and cloudy, while the coastal areas may likely have cloudy conditions with localized showers/thunderstorms.

The expected mean maximum temperature in the North will range from  $34^{\circ}C$  to  $41^{\circ}C$ , while the mean minimum temperature will be between  $22^{\circ}C$  and  $26^{\circ}C$ . In the inland and coastal areas, the mean maximum temperatures are expected to lie between  $32^{\circ}C$  and  $35^{\circ}C$ , while the mean minimum temperature will range from  $22^{\circ}C$  to  $25^{\circ}C$ .

**4.2 Agricultural Activity/Outlook**

Land preparation for rainy season /rain-fed farming is expected to continue in the southern part of the country in the 2nd dekad of February. Harvesting and packaging of vegetables and rice are expected to continue in the North.

**TABLE OF AGROMETEOROLOGICAL DATA FOR THE DEKAD**

STATION	RAINFALL	RAINDAY	PET	TMAX	TMIN	GDD	RAD	MINNA	0	0	59.5	37.5	23.6	225.5	23.4
ABEOK	0	0	54.5	36.1	24.5	223.1	21.6	NGURU	0	0	52.2	31.7	18.4	170.6	22.6
ABUJA	0	0	61	36.3	20.8	205.3	24.9	OGOJA	1.7	1	59.3	36.1	21.4	207.7	24.1
AKURE	12.6	2	48	33.2	23.6	204	19.6	ONDO	-	-	-	-	-	-	-
ASABA	-	-	-	-	-	-	-	OSHODI	20.1	1	46.5	33.4	24.6	210.1	18.8
AWKA	0	0	53.5	35.3	23.9	215.8	21.4	OSOGBO	0	0	56.7	35.4	22.0	206.9	23.1
BAUCHI	0	0	54.5	32.5	18.4	174.3	23.5	OWERRI	0	0	51.9	33.8	22.6	201.9	21.1
BENIN	3.3	1	46.1	33.3	24.6	209.3	18.7	PHC	7.3	2	48.5	32.9	23.1	199.9	20
BIDA	0	0	58.2	37.2	23.9	225.3	22.9	POT	0	0	55.6	32.2	16.8	165.1	24.4
CALABAR	46.8	2	47.3	32.5	23.0	197.3	19.6	SHAKI	0	0	56.3	35.5	22.5	209.5	22.8
EKET	2.1	2	39.3	30.0	23.2	185.6	16.6	SOKOTO	0	0	53	33.0	20.0	185	22.4
ENUGU	0	0	57.5	35.2	21.3	202.4	23.6	UMUAHIA	29	1	47.8	32.8	23.2	200.1	19.7
GOMBE	0	0	54.7	32.1	17.8	169.6	23.8	UYO	12.6	2	48.2	33.2	23.6	204	19.7
GUSAU	0	0	52.1	32.7	20.2	184.6	22	WARRI	11.8	2	45.2	33.4	25.2	212.9	18.2
IBADAN	0	0	52.1	35.0	24.0	215	20.9	YELWA	0	0	60.6	36.1	20.3	201.7	24.9
IJEBU	0	0	49.5	34.0	23.9	209.4	20.1	YOLA	0	0	61.1	37.0	21.8	214.1	24.6
IKEJA	-	-	-	-	-	-	-	ZARIA	0	0	53.2	31.3	17.4	163.7	23.4
IKOM	-	-	-	-	-	-	-	OBUDU	-	-	-	-	-	-	-
ILORIN	0	0	56.5	35.5	22.2	208.4	22.9	IBI	-	-	-	-	-	-	-
ISEYIN	0	0	56.7	35.3	21.9	206	23.2	ADO-EKITI	0	0	54	33.7	20.9	193.1	22.5
JOS	0	0	54.6	29.4	12.8	130.9	25.6	USI-EKITI	0	0	62.1	33.5	14.5	160	27.5
KADUNA	0	0	55.8	33.3	19.0	181.4	23.7	CALARMA	-	-	-	-	-	-	-
KANO	0	0	58.1	31.4	13.2	142.8	26.6								
KATSINA	0	0	51.9	30.3	16.1	151.7	23.3								
LAFIA	0	0	61.8	37.3	21.9	216.2	24.8								
LOKOJA	0	0	61	36.8	21.6	212	24.6								
MAIDU	-	-	-	-	-	-	-								
MAKURDI	0	0	61.6	36.6	20.7	206.5	25.1								

Note: RAINFALL (mm)  
 PET(mm/day)  
 TMAX (°C)  
 TMIN (°C)  
 GDD (day)  
 RAD (MJ/m<sup>2</sup>/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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