



NIGERIAN METEOROLOGICAL AGENCY
33 POPE JOHN PAUL II STREET, MAITAMA DISTRICT,
P.M.B. 615, GARKI, ABUJA, NIGERIA

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SUMMARY

During the period under review, surplus rainfall anomalies were recorded across the country except the western and eastern flank of the north central which had deficit. The country recorded light to moderate rains with heavy thunderstorms in areas like Lagos, Uyo and Ogoja recording well over 50mm of rainfall in a single day with flooding and erosion. Decadal rainfall totals of over 100mm were recorded in parts of the south and in Kano, Lafia and Makurdi. Most parts of the south and some parts of the north central had surplus soil moisture conditions while the northeast had deficit. Warmer than normal temperatures continued to be experienced along the extreme north (Sokoto, Gusau, Katsina, Kano, Nguru, Potiskum, Maiduguri and Yola) while Jos and Eket remained colder. Temperatures below 32 Deg C were recorded in some parts of the south and north central while elsewhere were above 32 Deg C. However no part of the country recorded temperatures above 40 Deg C as the soaring temperatures were lowered with the rains. The rainfall in parts of the extreme north were signals for onset of growing season, hence farmers in these areas are advised to prepare for planting.

1.0 RAINFALL TREND

1.1 Rainfall Anomaly

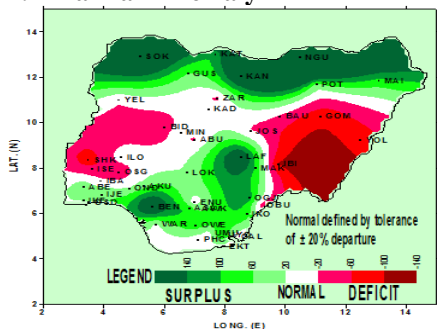


FIG. 1: 3rd DEKAD OF MAY 2011 RAINFALL ANOMALIES (%) OVER THE COUNTRY. ANOMALIES ARE COMPUTED WITH RESPECT TO THE 1971 - 2000 BASE PERIOD DECADEAL MEANS

Fig 1 above shows the rainfall anomaly during the dekad and indicates that most parts of the south and the extreme north had surpluses (green areas) while the eastern and the western flank of the central portion of the country had deficit rainfall anomalies. The white were normal.

1.2 Rainfall Amounts

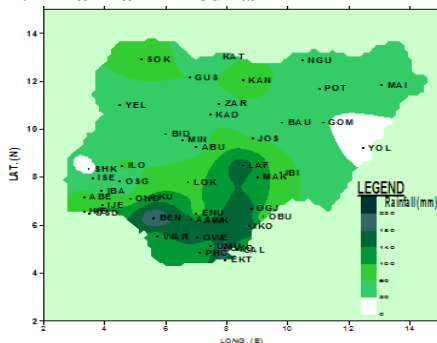


FIG. 2: ACTUAL RAINFALL AMOUNT FOR DEKAD 3, MAY 2011

The rainfall received across the country is shown in fig 2 and reveals that most parts of the south and parts of Makurdi, Lafia and Kano received over 100mm of rains. Heavy thunderstorms in Lagos and some parts of the southeast resulted to flooding and erosion with submerging of farmlands and disruption of vehicular traffic. Most parts of the north received over 30mm of rainfall. Farmers in the extreme north are advised to commence land preparations and get ready for planting as the growing season is about to commence.

1.3 COMPARISON OF NORMAL WITH ACTUAL RAINFALL FOR THE DEKAD

The comparison of the actual rainfall amount with normal rainfall values in some selected stations across the south and north is shown in Figs 3A & B below. Fig 3A shows that most stations in the north had below normal rainfall while fig 3B indicates above normal rainfall for most stations in the south.

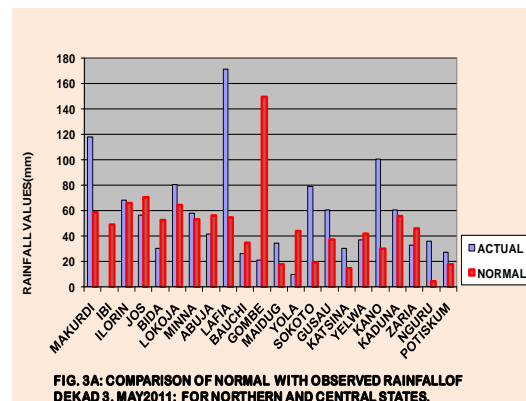


FIG. 3A: COMPARISON OF NORMAL WITH OBSERVED RAINFALL OF DEKAD 3, MAY 2011: FOR NORTHERN AND CENTRAL STATES.

With the synoptic systems, the Northern parts of the country and the Central states are expected to experience cloudy weather conditions and localised thunderstorms. The Inland and coastal states will experience cloudy weather conditions and widespread thunderstorm activities.

Maximum temperature for extreme North is expected to range between **36deg C and 38deg C**. Minimum temperatures will range from **24deg C to 27deg C**. For the central states maximum temperatures will range between **32 deg C and 36 deg C** while minimum temperatures will be between **24 deg C and 26 deg C**. Maximum temperatures for Inland and coastal states are expected to range from **29 deg C to 33 deg C** while

minimum temperatures will range between **23 deg C and 25 deg C** during the period.

4.2 Agricultural Summary

Planting of staple food crops continued in parts of the north central while in the extreme north, clearing of farmlands in preparation of planting is in progress.

In parts of the south and north central, harvest of maize is in progress while vegetables planted on irrigated farms in the north is in progress

Farmers in the extreme north are advised to prepare their farms in readiness for planting of new crops as the cropping season is expected to commence.

TABLE OF AGROMETEOROLOGICAL DATA FOR THE DEKAD

STATIONS	TOTAL RAINFAL (mm)	TOTAL RAIN DAYS	EVAPOTRANSPIRATION (mm)	MEAN MAXIMUM TEMP (°C)	MEAN MINIMUM TEMP (°C)	DEGREE DAYS (MAIZE)	MEAN RADIATION (MJ/m ² /day)
ABEOKUTA	79	3	48	33	23.5	222.8	17.9
ABUJA	41.5	4	44.9	32.2	23.8	219.9	16.8
AKURE	90.5	3	44.9	31.2	22.5	207.2	17.2
ASABA	172.2	7	48.8	33.3	23.6	225.1	18.1
AWKA	135.1	9	44.3	31.9	23.8	218	16.6
BAUCHI	26.3	4	50.4	34.4	24.1	233.7	18.4
BENIN	232.8	6	45.5	32.0	23.3	216.3	17.1
BIDA	30.1	5	46.5	33.2	24.3	228.3	17.2
CALABAR	95.4	9	42.7	30.9	23.2	209.3	16.3
EKET	190.9	10	33.1	29.2	24.4	206.9	12.7
ENUGU	80.6	5	45.4	31.4	22.6	208.8	17.3
GOMBE	21.1	3	48.5	33.9	24.1	230.6	17.8
GUSAU	60.4	4	52.2	35.3	24.4	240.5	18.9
IBADAN	49.6	4	45.7	32.0	23.2	215.6	17.2
IJEBU ODE	96.5	7	41.3	31.0	23.7	213.1	15.6
IKEJA	79.2	3	39.1	31.1	24.7	219.2	14.6
IKOM	184.2	8	45.8	31.7	22.9	212.5	17.3
ILORIN	68.3	3	50.1	33.6	23.4	225.5	18.6
ISEYIN	27.2	6	45.2	30.9	21.9	202	17.3
JOS	56.5	3	41.5	26.8	17.9	157.6	17.2
KADUNA	60.4	6	47.9	31.4	21.0	200	18.5
KANO	100.4	3	56.7	36.8	24.2	247.3	20.3
KATSINA	30.3	3	56.1	36.7	24.0	245.9	20.2
LAFIA	171.4	4	46.2	32.9	24.2	225.6	17.1
LOKOJA	80.7	4	49.1	34.0	24.5	233.5	18
MAIDUGURI	34.3	2	58.4	38.4	25.8	265.1	20.4
MAKURDI	118.1	4	47.6	32.3	22.8	215.1	18
MINNA	58.1	6	47.4	32.2	22.5	212.8	17.9
NGURU	36	1	62	39.0	24.3	259.7	21.8
OGOJA	157.8	7	48.3	32.8	23.2	220.1	18.1
ONDO	66.8	7	43.5	31.5	23.6	215.2	16.4
OSHODI	106.4	6	37.9	31.2	25.2	222.6	14.1
OSOGBO	29.5	5	44.7	31.3	22.8	209.8	17
OWERRI	177.1	6	44.6	31.2	22.7	208.3	17
PHC	101.8	7	43	31.7	24.0	218	16.1
POTISKUM	27	3	57.1	37.5	25.1	256.4	20.1
SHAKI	10.8	5	45.9	31.3	22.2	206.4	17.5
SOKOTO	78.9	4	52.8	36.9	26.2	259	18.6
UMUAHIA	104.7	7	42.5	30.9	23.2	209.7	16.2
UYO	224.7	9	41.9	30.9	23.5	211.6	15.9
WARRI	109.6	8	46.2	32.8	24.3	225.9	17.2
YELWA	36.9	3	49.4	35.6	26.3	252.8	17.5
YOLA	9.8	4	48.4	35.1	26.1	248.5	17.3
ZARIA	32.9	6	50	32.3	21.2	206	19.1
OBUDU	65.3	8	44.3	30.9	22.4	205.3	17

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:

**The Director-General/CEO,
Nigerian Meteorological Agency (NIMET),
33 Pope John Paul II Street, Maitama District.**