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AGROMETEOROLOGICAL BULLETIN

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and West of the Rift Valley, South Eastern Lowlands and the Coast.

DEKAD 8 PERIOD: 21ST - 31ST MARCH 2024.

1.0 HIGHLIGHTS

Most parts of the Country received little to heavy rainfall throughout the dekad. Several stations reported high rainfall amounts than in the previous dekad.

- Kabete reported the highest amount of rainfall 159.4 mm, followed by Wilson which recorded 149.0 mm (Figures 3.1 and 3.3).
- Mean air temperature increased over most parts of the country though some areas reported lower mean air temperatures than in the previous dekad (Figures 3.2 and 3.4).
- Total pan evaporation decreased over most stations relative to the previous dekad.
- During the next ten days, rainfall will be expected to continue over several parts of the country with likeliness of heavy rainfall events in some parts of the Highlands East

2.0 WEATHER AND CROP REVIEW FOR THE 21ST - 31ST MARCH 2024.

2.1 WESTERN AND NYANZA REGION

Most stations in the region reported high rainfall compared to the previous dekad. Mean air temperature in the region ranged between 22.4°C to 25.8 °C. Scattered to broken cloud cover dominated the region throughout the dekad.

2.2.1 KAKAMEGA:

The station reported rainfall amount of 71.1 mm which was below its long-term dekadal mean of 76.3 mm.

The average mean air temperature at the station increased from 23.9°C to 24.1°C from the previous dekad. The station reported broken cloud cover throughout the dekad.

Most farmers are now planting on their farms.

2.2.2 KISII:

The station recorded 107.6 mm of rainfall, which was above the long term dekadal mean of 95.3mm. The mean air temperature recorded at the station was 22.4°C.

The station reported broken cloud cover during the morning and broken cloud cover in the afternoon hours throughout the dekad.

Planting is underway in both lower parts and over the high-ground areas.

RIFT VALLEY REGION

The region reported enhanced rainfall compared to the previous dekad.

Mean air temperature in the region ranged between 20.0°C to 22.7 °C. Broken cloud cover was common in the region throughout the dekad.

2.3.1 KITALE:

The station recorded rainfall amount of 45.9 mm which was slightly below its dekadal mean of 49.7 mm. The mean air temperature slightly increased from 21.8°C to 22.4°C during the current dekad.

The station reported broken cloud cover s throughout the dekad

Land preparations for the next cropping season is underway.

2.3.2 KERICHO:

The station reported rainfall amount of 104.9 mm which is above its dekadal long term mean of 80.0 mm. The mean air temperature slightly increased from 19.6°C to 20.4°C.

Most farmers have completed preparing their farms for the current cropping season.

2.4 CENTRAL AND NAIROBI REGION.

All stations reported enhanced amount of rainfall except Nyeri as compared to the previous dekad (Fig 3.3). Mean air temperatures increased in the region and ranged between 18.2°C and 23.7°C Broken cloud cover dominated the region throughout the dekad.

2.4.1 NYERI:

The station reported a cumulative rainfall amount of 19.6mm which was below the long term dekadal mean. Mean air temperature slightly decreased from to 21.0°C to 21.9°C during the dekad.

The station cloud cover was broken during the morning reducing to scattered in the afternoon throughout the dekad.

Farmers have engaged to land preparation and planting for season.

2.4.2 THIKA:

The station received a rainfall amount of 60.5 mm which is slightly above its dekadal long term mean and the total pan evaporation went down to 54 mm. The station reported broken cloud cover during the morning hours and scattered cloud cover in the afternoon throughout the dekad.

Planting and land preparation is undergoing in the same time.

2.4.3 DAGORETTI

The station reported a rainfall amount of 138.9 mm which is above its long term dekadal mean. The mean air temperature decreased from 21.4 °C to 21.7 °C during the dekad. The station reported broken cloud cover in the morning and scattered in the morning throughout the dekad.

Land preparation and planting is ongoing.

2.4.4 KABETE:

The station reported a cumulative rainfall amount of 159.4 mm during the dekad. The mean air temperature at the station increased from 20.9°C to 21.0°C. The station reported broken cloud cover during the morning and scattered cloud cover during the afternoon throughout the dekad.

Farmers have busy preparing their land for the next season.

2.4.5 NYAHURURU:

The station realized rainfall amount of 16.8mm which was below its long term dekadal mean of 31.9 mm. The mean air temperature at the station increased from 16.7°C to 18.2°C. The station reported broken clouds cover throughout the dekad.

Land preparations are still ongoing.

2.5.0 EASTERN REGION:

Most stations reported an increased amount of rainfall compared to the previous dekad (Fig 3.2). Mean air temperature ranged between 21.6°C and 27.0°C. scattered cloud cover dominated the region throughout the dekad.

2.5.1 MERU:

The station recorded rainfall amount of 28.2mm. The mean air temperature slightly increased from 21.4°C to 21.6 °C. Broken cloud cover dominated during the morning and decreased to few during the afternoon hours.

2.5.2 EMBU:

The station reported a cumulative rainfall amount of 51.9mm during the dekad. The mean air temperature during the dekad was 23.0°C. The station reported scattered cloud cover throughout the dekad

Most farmers have completed planting.

2.5.3 KATUMANI:

The station reported 79.9 mm of rainfall during the dekad. Broken cloud state was observed at the station throughout the dekad.

Planting is underway.

2.6 COASTAL REGION:

Generally, the region received high rains during the current dekad. The mean air temperature ranged between 28.1°C and 30.6°C.

2.6.1 MTWAPA:

The station recorded a rainfall amount of 127.7 mm which was way above its long term dekadal mean of 21.9 mm. Mean air temperature decreased from 30.4°C to 29.7°C. Broken cloud cover was observed during the morning hours decreasing to scattered during the afternoon.

Some farmers are still preparing their lands.

2.6.2 MSABAHA:

The station reported a rainfall amount 6.5 mm during the dekad. The mean air temperature slightly decreased from 30.7°C to 30.6°C. Broken cloud cover was observed at the station during the morning hours reducing to few during the afternoon hours.

2.7 NORTH EASTERN REGION:

Most stations in the region reported slight rainfall during the dekad Mean air temperature ranged between 25.5°C to 33.6 °C.

Cloud cover was scattered at Mandera, broken at Wajir and Garissa.

Pasture and forage conditions have deteriorated, watering points reducing posing danger to both livestock and wildlife in the region.

DEKAD 9 2024 RAINFALL AND TEMPERATURE MAPS/ CHARTS & TABLES

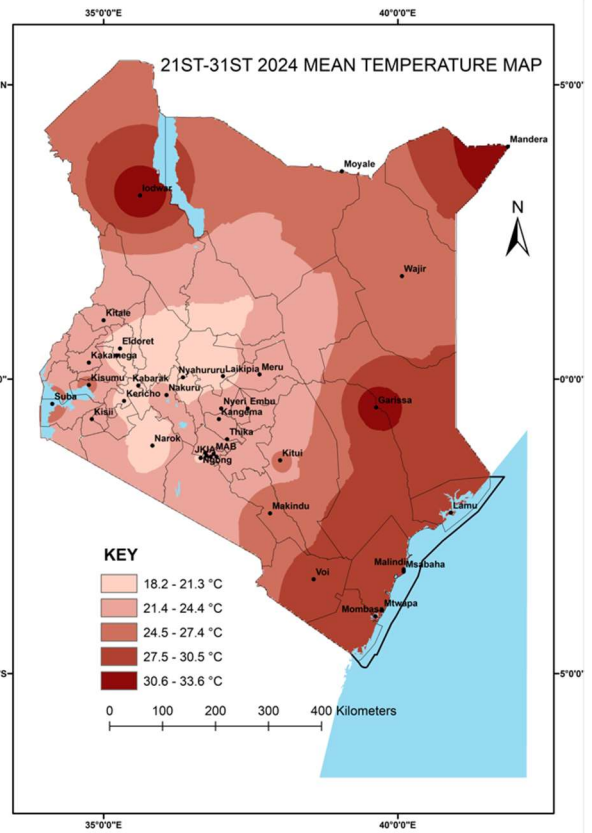
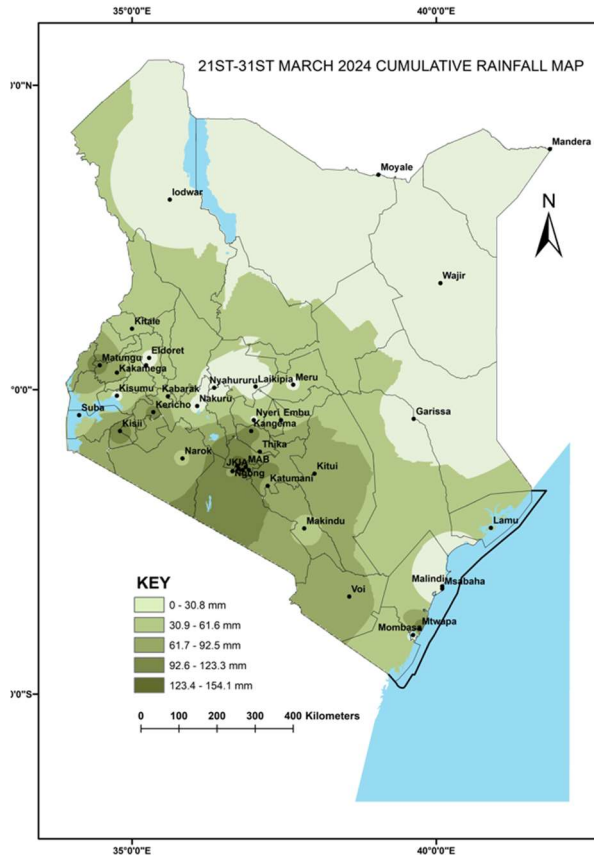


Fig 3.1

Fig 3.2

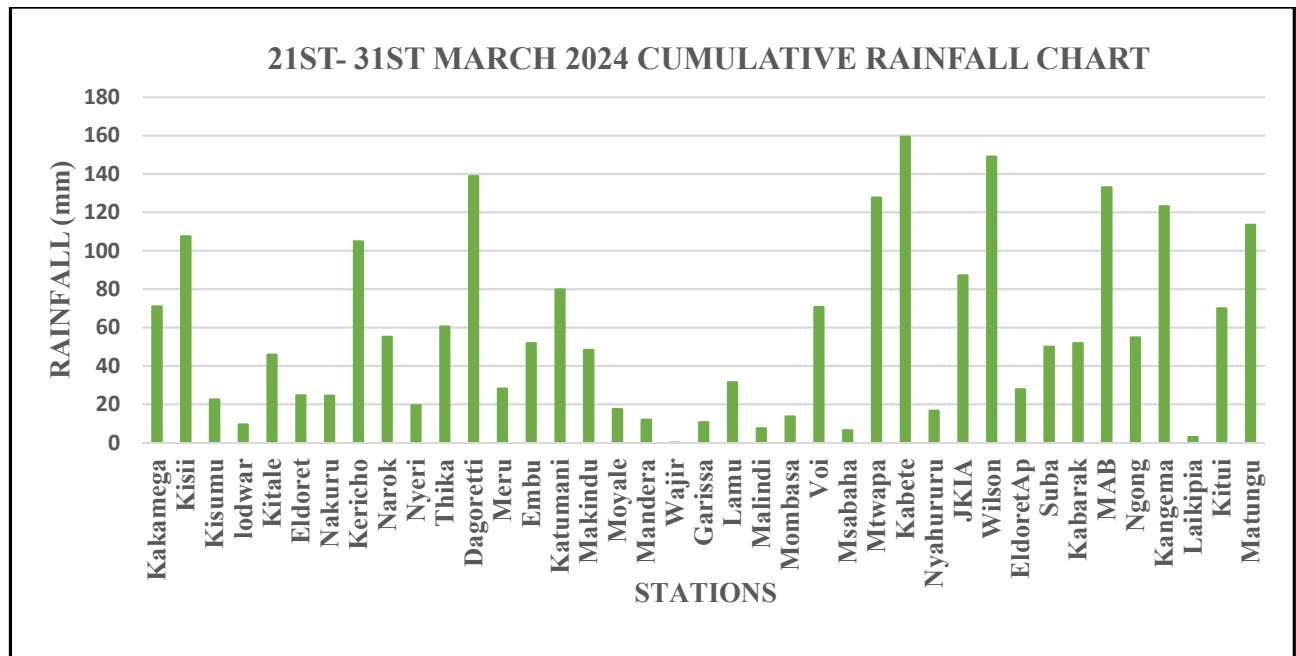


Fig 3.3

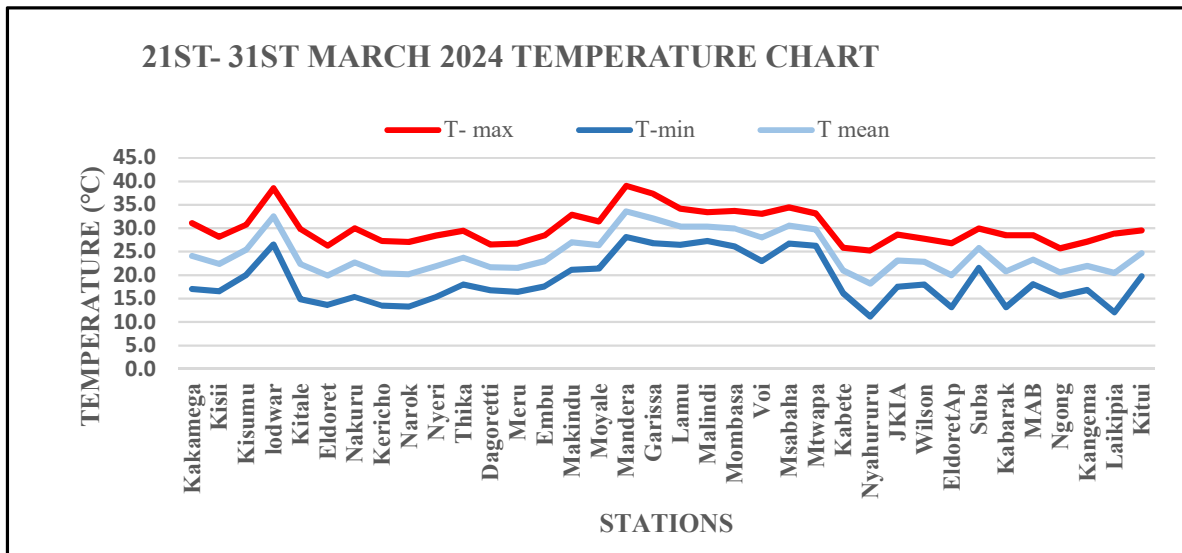


FIG 3.4

In the Western and Nyanza regions, morning rains are likely to occur over few places. Afternoon and night showers are expected over several places, during the forecasted period.

In the Central region and Nairobi County, morning rains are likely to occur over few places. Afternoon and night showers are expected over several during the forecasted period

North Western, morning rains are likely over few places as well as afternoon and night showers over few places during the forecast period

North Eastern, morning rains as well as afternoon and night showers are expected over few places over the forecasted period.

4.0 EXPECTED WEATHER AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS; 21ST – 31ST MARCH 2024.

Rainfall is expected over most parts of the country during the next ten days. most Heavy rainfall events are likely to occur in some parts of the Highlands, East and West of Rift Valley, The Lake Victoria basin, The Rift Valley, the South Eastern Lowlands, The Coast, North – western and North – Eastern parts of the country

Southeastern lowlands, morning rains are expected few over places. Afternoon and night showers are expected over several places throughout the forecasted period.

In the Coastal region, morning showers are expected over few places. Afternoon and night showers are also expected in few over the entire forecasted period.

4.1 AGRO – ADVISORY:

- ❖ Farmers across the country are advised to plant various high yielding crops as the onset came early and the rains are expected to be above normal and last long enough according to the national forecast.

- ❖ Poultry farmers are advised to keep their birds warm to mitigate the effects of cold weather during the long rain season.
 - ❖ Farmers are advised to liaise with agricultural extension officers to use the right certified seeds and agricultural inputs in the required time frame.
 - ❖ Pastoralists in North Western Kenya, North Eastern region, South Rift Valley, and certain areas of the South Eastern Lowland are advised to ensure proper use of pasture, forage, and water resources.
 - ❖ Where there are drainage challenges like flat lands; Mwea irrigation scheme, Along River Nzoia, etc. Farmers are advised to cut tunnels to remove stagnant waters in order to increase the air spaces in the soil thus improving aeration for enhancing root development, intense bacterial activity and promotion of oxidation processes.
 - ❖ Farmers are advised to establish robust collaborations with Meteorological staff and other technical personnel at the grassroots to deepen their understanding of weather patterns and their implications on agricultural activities.
 - ❖ The livestock farmers should be aware of the emerging livestock diseases influenced by enhanced rainfall; like Tick-borne diseases, respiratory diseases, and many other disease conditions. Farmers should contact veterinary personnel for more details on the part of prevention and cure.
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**FOR: DIRECTOR OF
METEOROLOGICAL SERVICES**

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