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AGROMETEOROLOGICAL BULLETIN

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DEKAD 7 PERIOD: 1ST - 10TH MARCH 2024.

2.0 WEATHER AND CROP REVIEW FOR THE
1ST - 10TH MARCH 2024.

1.0 HIGHLIGHTS

Most parts of the Country received moderate to heavy rainfall except over Northeastern region. Several stations reported less rainfall amounts than in the previous dekad.

- Kisumu reported the highest amount of rainfall 139.6 mm, followed by Matungu which recorded 94.2 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 continued to increase over most stations relative to the previous dekad.
- During the next ten days, some parts of the country are likely to remain dry except over Rift valley, Western and Nyanza regions where light to moderate rainfall is likely to be received.

2.1 WESTERN AND NYANZA REGION

Most stations in the region reported more rainfall compared to the previous dekad. Mean air temperature in the region ranged between 22.2°C to 25.2 °C. Scattered cloud cover dominated the region throughout the dekad. Rainfall expected to continue from February.

2.2.1 KAKAMEGA:

The station reported a cumulative rainfall amount of 85.6mm, which was above its long-term dekadal mean of 53.4 mm.

The average mean air temperature at the station slightly decreased from 23.4°C to 23.2°C from the previous dekad. The station reported scattered cloud cover throughout the dekad.

Most farmers are now planting their farms.

2.2.2 KISII:

The station recorded 77.62 mm of rainfall, which was above the long term dekadal mean of 51.3 mm. The mean air temperature recorded at the station was 22.2°C.

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

Planting is ongoing in lower parts of the county. Over the high-ground areas, most farmers have completed harvesting maize, and are preparing their farms for the next crop.

RIFT VALLEY REGION

The region reported a decrease in rainfall received compared to the previous dekad.

Mean air temperature in the region ranged between 19.3°C to 21.8 °C. Scattered cloud cover was observed in the region during the morning hours and increased to broken in the evening throughout the dekad.

2.3.1 KITALE:

The station received a rainfall amount of 13.4mm which was below its dekadal mean of 25.5 mm. The mean air temperature slightly increased from 21.2°C to 21.7 °C during the current dekad.

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

Land preparations for the next cropping season are ongoing.

2.3.2 KERICHO:

The station reported 51.6 mm of rainfall, which was below normal during the dekad. The mean air temperature increased to 21.7°C from the previous reported value of 19.8 °C.

Farmers are preparing their farms for the next season.

2.4 CENTRAL AND NAIROBI REGION.

Most stations reported a decrease in rainfall amount compared to the previous dekad (Fig 3.2). Mean air temperatures in the region slightly increased ranging between 16.5 °C and 23.9°C. Scattered cloud cover dominated the region throughout the dekad.

2.4.1 NYERI:

The station reported a cumulative rainfall amount of 1.02 mm which way was below the long term dekadal mean. Mean air temperature increased from to 20.4°C to 21.2°C during the dekad.

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

Farmers are harvesting and normal yield is expected. Land preparation is also ongoing.

2.4.2 THIKA:

The station received a rainfall amount of 1.4 mm and total pan evaporation was 54.4 mm as it was in the previous dekad. The station reported scattered cloud cover throughout the dekad.

Maize has attained maturity stage but not yet ready for harvest.

2.4.3 DAGORETTI

The station reported a rainfall amount of 29.5 mm which is above its long term dekadal mean. The mean air temperature increased from 21.4 °C to 21.8 °C during the dekad. The station reported broken cloud cover throughout the dekad.

Harvesting of maize is ongoing.

2.4.4 KABETE:

The station reported a cumulative rainfall amount of 34.5 mm during the dekad. The mean air temperature at the station decreased from 21.4°C to 20.9°C. The station reported scattered cloud cover throughout the dekad.

Some farmers have started land preparation for the next season.

2.4.5 NYAHURURU:

The station recorded a rainfall amount 0.41mm during the dekad. The mean air temperature at the station slightly decreased from 16.6°C to 16.5 °C. The station reported few clouds cover during the morning, broken in the afternoon hours

throughout the dekad. Land preparations are still ongoing.

2.5.0 EASTERN REGION:

Most stations in the region received light to moderate rainfall throughout the dekad. Mean air temperature ranged between 15.7°C and 26.5°C. scattered cloud cover dominated the region throughout the dekad. Rainfall is expected to continue from February followed by dry spell till 3rd to 4th week of March.

2.5.1 MERU:

The station recorded a rainfall amount of 0.41mm. The mean air temperature increased from 21.1°C to 21.6 °C. Scattered cloud cover dominated the station throughout the dekad.

2.5.2 EMBU:

The station reported a cumulative rainfall amount of 5.72mm during the dekad. The mean air temperature during the dekad was 23.1°C. The station reported broken cloud cover throughout the dekad

Farmers have started land preparations process the next crop cycle.

2.5.3 KATUMANI:

The station reported 18.2 mm of rainfall during the dekad. Broken cloud state was observed at the station throughout the dekad.

Harvesting of maize and beans crop ongoing.

Farmers have started harvesting mangoes and oranges.

2.6 COASTAL REGION:

Generally, the region received light rains during the current dekad. The mean air temperature ranged between 28.7°C and 30.6°C.

2.6.1 MTWAPA:

The station remained dry over the period. Mean air temperature increased from 30.0°C to 30.3°C. Scattered cloud cover was observed during the dekad.

Dry conditions have dominated the area.

2.6.2 MSABAHA:

The station reported a rainfall amount 3.9 mm during the dekad. The mean air temperature slightly decreased from 30.6°C to 30.5°C. Broken cloud cover was observed at the station during the morning hours reducing to scattered during the afternoon hours.

Land preparations are ongoing.

2.7 NORTH EASTERN REGION:

Most stations in the region remained dry except for Garissa which recorded light rains of 6.1mm. Mean air temperature ranged between 25.0°C to 34.0 °C. Rainfall expected from the 4th week of M

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

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

DEKAD 7 2024 RAINFALL AND TEMPERATURE MAPS/ CHARTS & TABLES

STATION	Maximum consecutive wet days	Maximum consecutive dry days	Total no. of days with > 4.9 mm	Total RF from beginning of Mam 2024
Kakamega	4	1	5	85.6
Kisii	4	0	6	77.62
Kitale	1	3	1	13.44
Kericho	1	2	3	51.6
Nyeri	0	3	0	1.02
Dagoretti	1	3	2	29.51
Meru	0	5	0	0.41
Embu	1	3	0	5.72
Katumani	1	3	0	6.31
Msabaha	1	5	0	3.9
Mtwapa	0	10	0	0
Kabete	2	2	3	34.5
Nyahururu	0	6	0	0.41

Fig 3.0

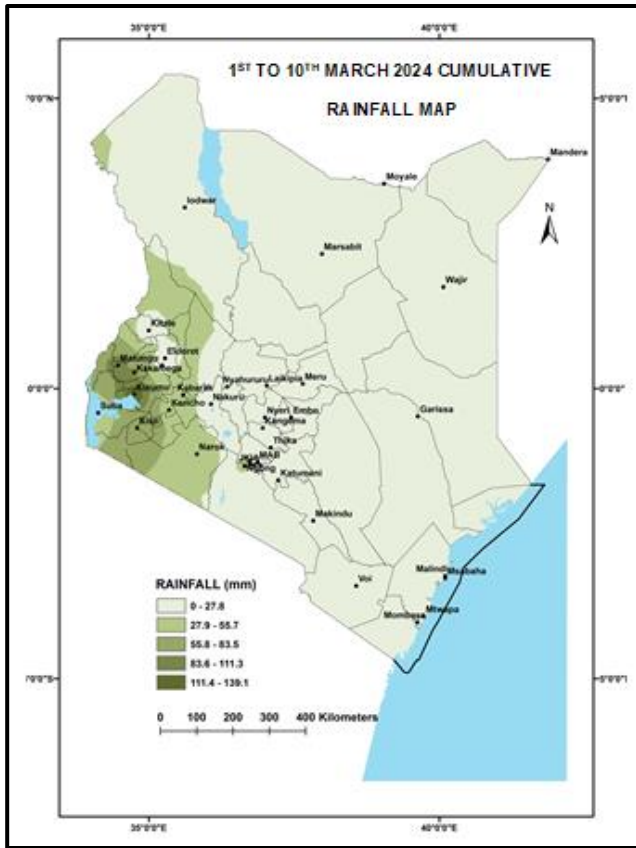


Fig 3.1

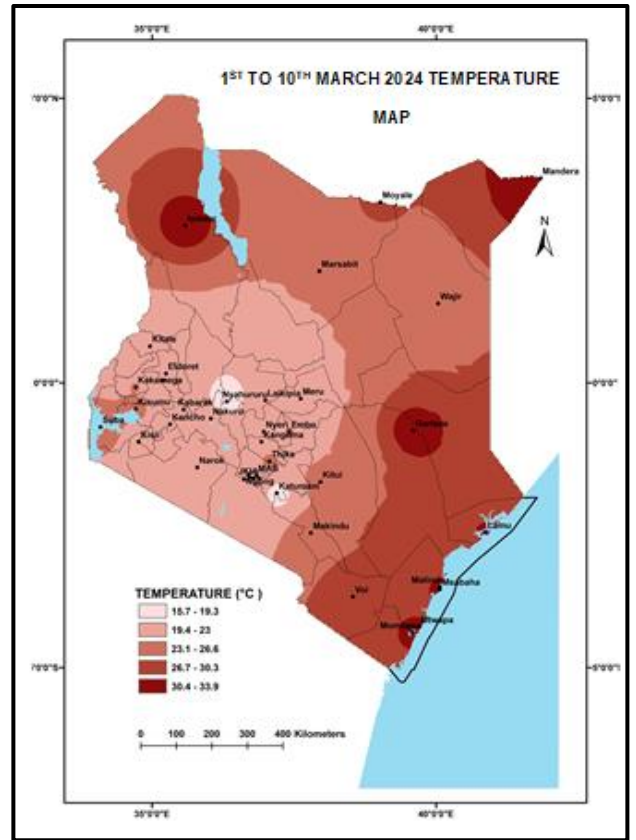


Fig 3.2

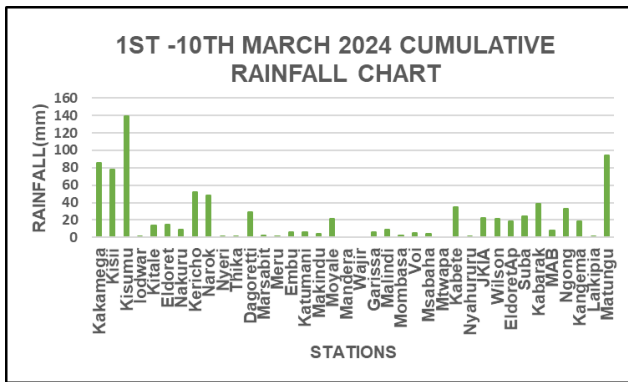


Fig 3.3

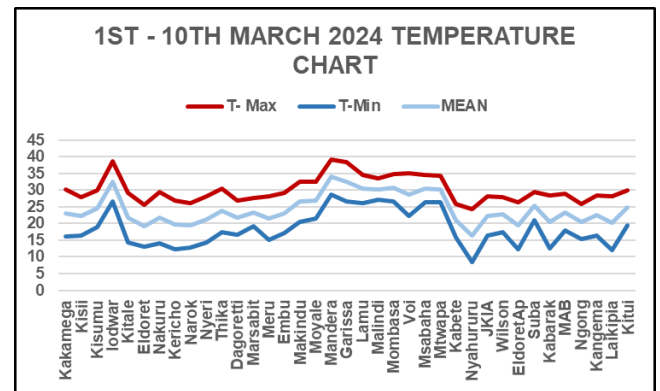


Fig 3.4

4.0 EXPECTED WEATHER AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS; 11TH – 12TH MARCH 2024.

During the next ten days, most parts of the country are likely to be sunny and dry except over the Highlands East of Rift Valley, the South Eastern lowlands and Coast region basin, where light to moderate rainfall is likely to be received.

In the Western and Nyanza regions, light to moderate rain is expected over a few places during the forecast period.

In the Central region and Nairobi County, Occasional cloudiness is expected in the morning giving way to sunny intervals. Afternoon and night showers are likely to occur over a few places during the forecast period.

North Western, Northeastern, sunny conditions during the day and partly cloudy nights during the forecast period

Southeastern lowlands, and Coastal regions, Mornings are likely to be generally sunny. Light to moderate afternoon and night showers are expected over few places

4.1 AGRO – ADVISORY:

- ❖ Farmers across the nation are encouraged to finish harvesting their crops and prepare for MAM 2024 cropping season.
- ❖ Famers liaise with extension persinnel to use proper and post-harvest management techniques to reduce losses and preserve crop quality.
- ❖ Pastoralists in North Western Kenya, North Eastern region, South Rift Valley, and certain areas of the South Eastern Lowland to ensure sustainable use of pasture, forage, and water resources
- ❖ Farmers should maximize profits by exploring market opportunities. They should consult with agricultural extension services for valuable market information.
- ❖ 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.

For inquiries or any clarification, please use the contacts on the letterhead.



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FOR: DIRECTOR OF METEOROLOGICAL SERVICES

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