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AGROMETEOROLOGICAL BULLETIN

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coastal strip where light to moderate rainfall is likely to be received.

DEKAD 5 PERIOD: 11TH - 20TH FEBRUARY 2024.

1.0 HIGHLIGHTS

- Most parts of the Country remained dry or reported light rains except over Rift Valley and Western Kenya where moderate to heavy rainfall was reported during the current dekad.
- Eldoret Kapsoya reported the highest amount of rainfall 84.6 mm, followed by Kisii which recorded 76.1mm (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, most parts of the country are expected to remain dry except over the lake basin, South rift and the

2.0 WEATHER AND CROP REVIEW FOR THE 11TH - 20TH FEBRUARY 2024.

2.1 WESTERN AND NYANZA REGION

Most stations in the region reported less rainfall compared to the previous dekad. Mean air temperature in the region ranged between 22.4 °C to 25.5 °C. Scattered cloud cover dominated the region during the morning hours and increased to a broken state during the afternoon hours.

2.2.1 KAKAMEGA:

The station reported a cumulative rainfall amount of 10.9mm, which was below its long-term dekadal mean of 18.1 mm.

The average mean air temperature at the station increased from 22.9°C to 23.1°C. The station reported few cloud cover during the morning increasing to broken in the afternoon throughout the dekad.

Some farmers are harvesting their crops while others have started preparing their farms for the next season.

2.2.2 KISII:

The station recorded 76.1 mm of rainfall, which was way above the long-term dekadal mean of 28.8 mm. The mean air temperature recorded at the station was 22.4°C.

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

Land preparation is ongoing in some parts of the county. Over the high-ground areas, harvesting of maize is on-going

RIFT VALLEY REGION

Several stations in the region reported an increase in rainfall received compared to the previous dekad.

Mean air temperature in the region ranged between 19.5°C to 21.9 °C. Broken cloud cover dominated the region during the dekad.

2.3.1 KITALE:

The station received a rainfall amount of 22.2 mm which was above its dekadal mean of 10.7 mm. The mean air temperature increased from 21.1°C to 21.7 °C during the current dekad.

The station reported broken cloud cover throughout the dekad

2.3.2 KERICHO:

The station reported 14.0 mm of rainfall, which was below normal during the dekad. The mean air temperature increased slightly to 19.6°C from the previous reported value of 19.0 °C.

Farmers are preparing their land awaiting the long rains

2.4 CENTRAL AND NAIROBI REGION.

All stations in the region remained dry throughout the dekad except Nyeri which reported rainfall amount of 21.0mm (Fig 3.2). Mean air

temperatures in the region slightly increased ranging between 16.6 °C and 23.3°C

Scattered cloud cover was observed in the region throughout the dekad.

2.4.1 NYERI:

The station reported a cumulative rainfall amount of 21.0 mm which was normal during the dekad. Mean air temperature increased from 19.2°C to 19.6 °C during the dekad.

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

Maize crop has attained wax ripeness stage and is in a fair state corresponding to normal growth.

Harvesting of beans has been completed.

2.4.2 THIKA:

The station remained dry and total pan evaporation increased to 62 mm compared to the previous dekad which was 58 mm. The station reported few cloud cover throughout the dekad.

Maize has attained the wax ripeness stage and is in good condition corresponding to normal growth.

Beans are at the maturity stage, harvesting is ongoing, and normal yield is expected for both maize and beans.

2.4.3 DAGORETTI

The station remained dry over the dekad the mean air temperature increased from 21.1 °C to 21.9 °C during the dekad. The station reported scattered cloud cover throughout the dekad.

Maize crop has attained wax ripeness stage and is in a fair state corresponding to normal growth.

Harvesting of beans has been completed.

2.4.4 KABETE:

The station remained dry during the dekad. The mean air temperature at the station increased from 20.7°C to 21.1°C. The station reported scattered cloud cover throughout the dekad.

Maize has attained the wax ripeness stage and is in fair state corresponding to normal growth.

2.4.5 NYAHURURU:

The station remained dry during the dekad. The mean air temperature at the station slightly increased from 16.0 °C to 16.6 °C.

The station reported few cloud cover during the morning, broken in the afternoon hours throughout the dekad

Farmers in the area have completed harvesting maize.

2.5.0 EASTERN REGION:

Most stations in the region remained dry throughout the dekad. Mean air temperature slightly increased ranging between 23.7 °C and 27.7 °C. Scattered cloud cover dominated the region throughout the dekad.

2.5.1 MERU:

The station remained dry. The mean air temperature increased from 20.5°C to 20.7 °C. Scattered cloud cover dominated the station throughout the dekad.

2.5.2 EMBU:

The station remained dry during the dekad. The mean air temperature during the dekad was 22.2°C. The station reported scattered cloud cover throughout the dekad

Most farmers have finished harvesting maize.

2.5.3 KATUMANI:

The station reported 3.0 mm of rainfall during the dekad. scattered cloud state was observed at the station throughout the dekad.

Maize is at 80% ripeness stage and the state is fair corresponding to normal growth.

Harvesting of beans has been completed.

Mangoes have attained 80% ripeness but are being affected by aphids.

Oranges have attained 100% flowering stage.

2.6 COASTAL REGION:

Generally, the region remained dry during the current dekad. The mean air temperature generally increased during the dekad and ranged between 29.3°C and 30.6°C.

2.6.1 MTWAPA:

The station remained dry over the period. Mean air temperature increased from 29.5°C to 30.0°C. Broken cloud cover was observed at the station during the morning hours reducing to few during the afternoon hours.

Farmers have already harvested their maize and land preparation is ongoing.

2.6.2 MSABAHA:

The station remained dry during the dekad. The mean air temperature increased from 29.7°C to 30.1°C. Broken cloud cover was observed at the station during the morning hours reducing to few during the afternoon hours.

Farmers have harvested their maize and some have started tilling for the next crop season.

2.7 NORTH EASTERN REGION:

All stations in the region remained dry. Mean air temperature ranged between 31.4°C to 32.3 °C at Garissa and Mandera.

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

Pasture and forage conditions are good and sufficient water is available for livestock in the region.

DEKAD 5 2024 RAINFALL AND TEMPERATURE MAPS/ CHARTS

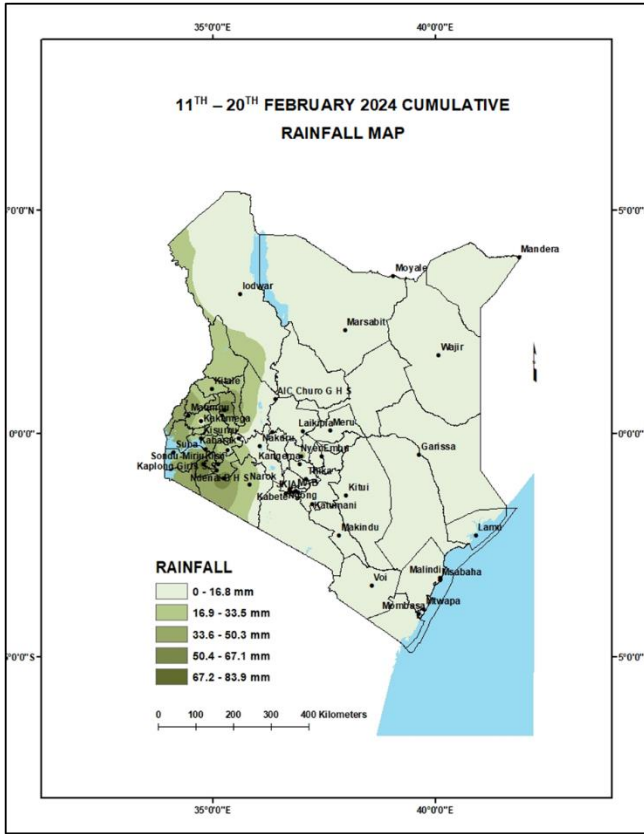


Fig 3.1

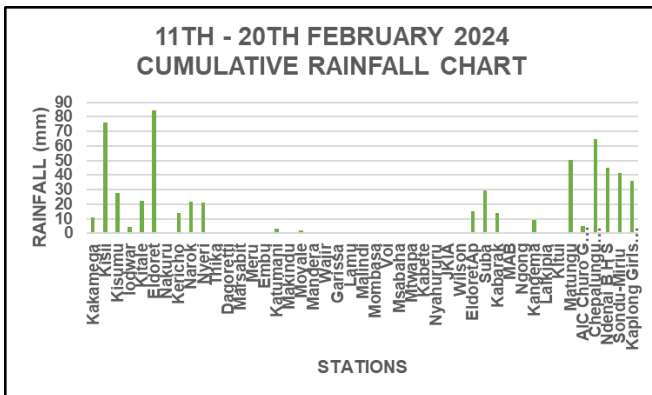


Fig 3.3

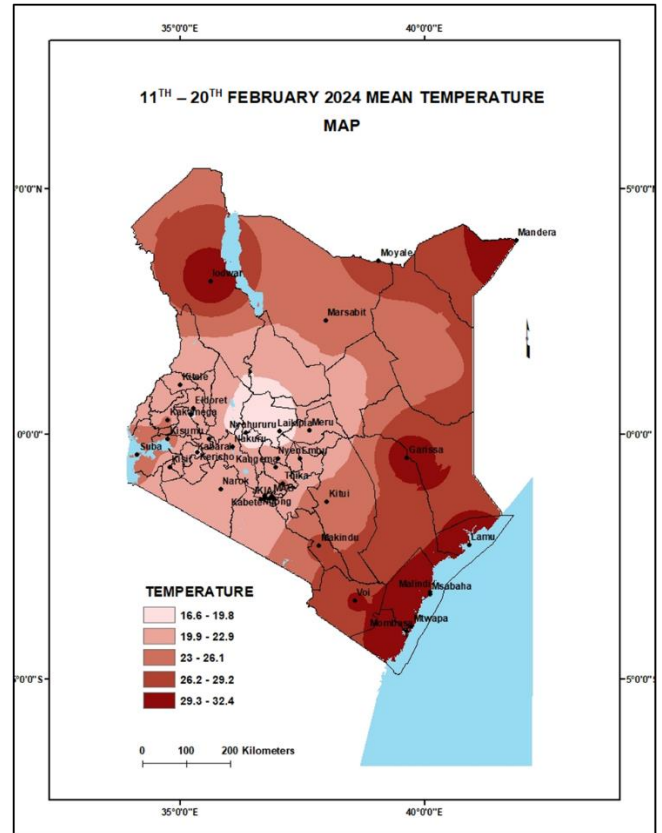


Fig 3.2

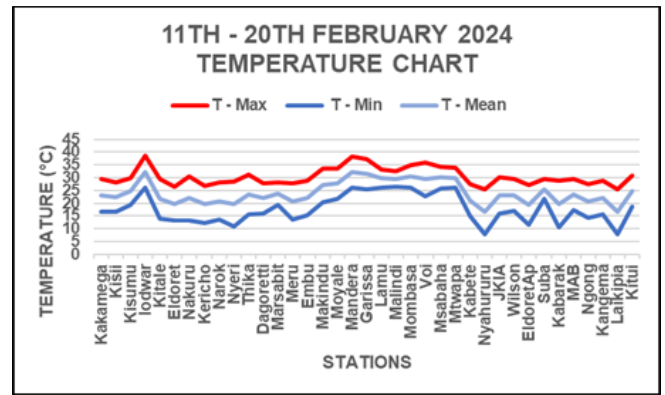


Fig 3.4

4.0 EXPECTED WEATHER AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS; 20TH - 29TH FEBRUARY 2024.

During the next ten days, most parts of the country are expected to remain dry except over the lake basin, South rift and the coastal strip 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.

Southeastern lowlands, and Coastal regions, light to moderate rainfall is likely to be received during the forecast period.

In northeastern and Northwestern, dry and sunny conditions are expected during the forecast period.

4.1 AGRO – ADVISORY:

- ❖ Farmers across the nation are encouraged to carry out timely harvest of mature crops to avoid loss
- ❖ Famers should 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.



Mary Githinji

FOR: DIRECTOR OF METEOROLOGICAL SERVICES

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