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MINISTRY OF ENVIRONMENT, CLIMATE CHANGE & FORESTRY
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AGROMETEOROLOGICAL BULLETIN

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- Rainfall is expected to continue over some parts of Highlands East and West of the Rift Valley, the Lake Victoria basin, the Rift Valley and North Western Kenya.

DEKAD 22 PERIOD: 1ST - 10TH AUGUST 2024.

1.0 HIGHLIGHTS

- Several parts of the Country received moderate to heavy rainfall during the dekad.
- Kakamega Met station in Kakamega County reported the highest amount of rainfall of 141.8 mm, followed by Eldoret Kapsoya and Kisii stations with 123.2 mm and 80.4 mm respectively. (Figures 3.1 and 3.2).
- Mean air temperature decreased over most parts of the country with the highest decrease of 1.1°C being recorded at Narok station (Figures 3.3 and 3.4).
- Total pan evaporation decreased over several stations due to decreased temperatures.
- During the next ten days, the intermittent cold and cloudy conditions are likely to occur over some parts of the Highlands East and West of the Rift valley, South Eastern Lowlands and the Rift valley.

2.0 WEATHER AND CROP REVIEW FOR THE PERIOD 1ST – 10TH AUGUST 2024

2.1 WESTERN AND NYANZA REGION.

Most stations in the region continued to report moderate to heavy rainfall just like in the previous dekad. Mean air temperature in the region increased and ranged between 21.0°C to 24.2°C. Scattered clouds cover dominated the region throughout the dekad.

2.1.1 KAKAMEGA:

The station reported 141.8 mm of rainfall which was above the long term dekadal mean.

The average mean air temperature at the station remained unchanged at 22.0°C. The station reported scattered cloud cover in morning and broken cloud cover in the afternoon during the dekad.

Most farmers have harvested maize crop.

2.1.2 KISII:

The station recorded 80.4 mm of rainfall, which was above the long-term mean. Mean air temperature increased from 20.7°C to 21.0°C. The station reported scattered cloud cover in the morning and broken cloud cover in the afternoon during the dekad. Land preparation is ongoing.

2.2 RIFT VALLEY REGION.

Several parts of the region reported less rainfall compared to the previous dekad. Eldoret Kapsoya Met. station reported the highest amount throughout the entire region.

Mean air temperature in the region decreased and ranged between 16.7°C to 20.1°C. Broken cloud cover dominated the region throughout the dekad

2.2.1 KITALE:

The station recorded 43.9 mm of rainfall during the dekad. The mean air temperature increased slightly from 19.7°C to 20.1°C. The station reported broken cloud cover throughout the dekad.

Maize has attained maturity stage and in good state. Beans harvesting has been completed.

2.2.2 KERICHO:

The station reported rainfall amount of 74.3 mm which was above its long-term mean of 48.6 mm. Mean air Temperature decreased from 18.2°C to 17.8°C.

The station reported broken cloud cover throughout the dekad

Maize has reached maturity stage and is in good state.

2.3 CENTRAL AND NAIROBI REGION.

Several stations reported less rainfall amounts compared to the previous dekad (Fig 3.1). Mean air temperature decreased in the region and ranged between 14.8°C and

18.8°C. Most stations from the region reported broken cloud cover for the entire dekad.

2.3.1 NYERI:

The station received 7.9 mm which was below its long term dekad mean of 8.4 mm.

Mean air temperature decreased from 18.2°C to 17.5°C during the dekad.

Cloud cover was scattered in the morning and broken in the afternoon during the dekad.

Maize is at wax ripeness, Normal yield expected. Beans has attained full maturity with below normal yield expected.

2.3.2 THIKA:

The station recorded rainfall amount of 9.2 mm which was above its long term dekad mean of 6.3 mm. Mean air temperature decreased from 19.3°C to 18.8°C during the dekad.

The station reported broken cloud cover throughout the dekad.

Maize has reached maturity stage and ready for harvest.

2.3.3 DAGORETTI

The station recorded 3.1 mm of rainfall which is below its long term dekad mean of 4.7 mm. The mean air temperature decreased from 18.0°C to 17.5°C during the dekad. The station reported broken cloud cover during the entire period of the dekad. Maize is at wax ripeness.

2.3.4 KABETE:

The station reported a cumulative rainfall amount of 5.3 mm during the dekad. The mean air temperature at the station decreased from 17.4°C to 16.9°C. The station reported broken cloud cover throughout the dekad.

Maize is at the maturity stage.

2.3.5 NYAHURURU:

The station received rainfall amount of 52.4 mm which was below its long-term mean of 63.6 mm. The mean air temperature at the station decreased from 15.6°C. to 14.8°C. The station reported scattered cloud cover in the morning and broken clouds cover in the afternoon during the dekad.

Maize crop is in fair condition due to the sufficient rainfall.

2.4 EASTERN REGION.

Several stations in the region recorded substantial amount of rainfall ranging from 2.0 mm to 18.5 mm during the current dekad. Mean air temperature ranged between 17.6°C and 22.4°C. Broken cloud cover dominated the region throughout the dekad.

2.4.1 MERU:

The station reported 12.7 mm of rainfall during the dekad. Mean air temperature decreased from 18.1°C to 17.7°C. Broken cloud cover was observed throughout the dekad. Land preparations are ongoing for the next crop season.

2.4.2 EMBU:

The station reported 18.5 mm of rainfall. The mean air temperature increased from 18.1°C to 18.3°C during the dekad. The station reported broken cloud cover throughout the dekad. Maize is at wax ripeness and normal yield is expected.

2.4.3 KATUMANI:

The station remained dry during the dekad under review

The mean air temperature reported was 17.6°C. Broken cloud cover dominated the sky during the dekad.

Maize has attained maturity and awaiting harvest.

2.5 COASTAL REGION.

The Coastal region reported considerable amount of rainfall except Voi which recorded no rainfall. The mean air temperature ranged between 24.6°C and 27.5°C. Scattered to broken cloud cover dominated the region during the dekad.

2.5.1 MTWAPA:

The station recorded 27.5 mm of rainfall as compared to its long term dekad mean of 31.0 mm. Mean air temperature remained unchanged at 25.6°C. Scattered cloud cover was observed in the morning and broken in the afternoon during the dekad. Maize harvesting is going on in some farms.

2.5.2 MSABAHA:

The station recorded 9.6 mm of rainfall which was below its long term dekad mean of 28.5 mm. Mean temperature slightly increased from 26.0°C to 26.1°C.

Broken cloud cover was observed during the entire dekad.

Maize harvesting is ongoing but below normal yield is expected.

2.6. NORTH EASTERN REGION.

The region recorded precipitation in some pockets like Moyale and Garissa ranging between 2.0 mm to 12.6 mm. The mean temperature ranged between 22.2°C to 29.8°C. Broken cloud cover dominated the region throughout the dekad.

DEKAD 22 2024 RAINFALL AND TEMPERATURE CHARTS/ MAPS & TABLES

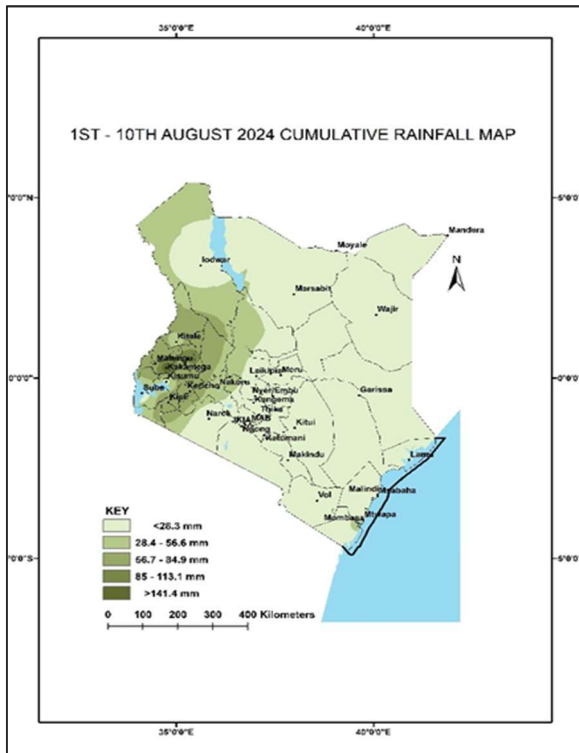


Fig 3.1

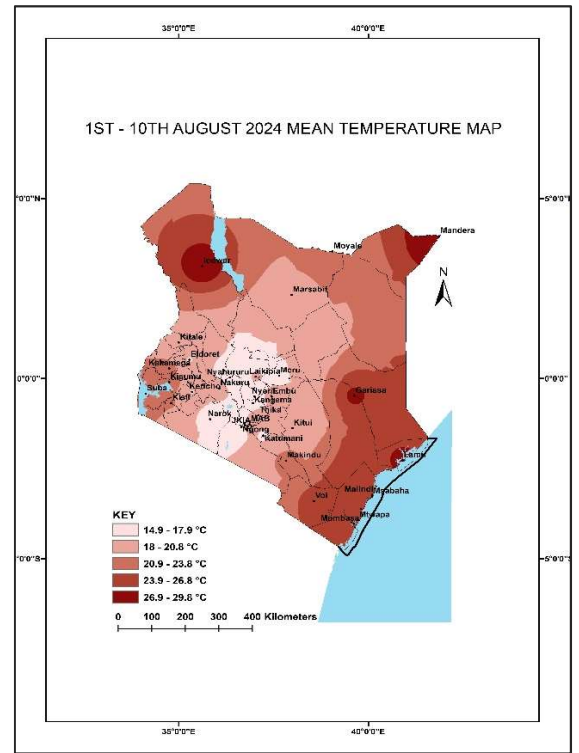


Fig 3.3

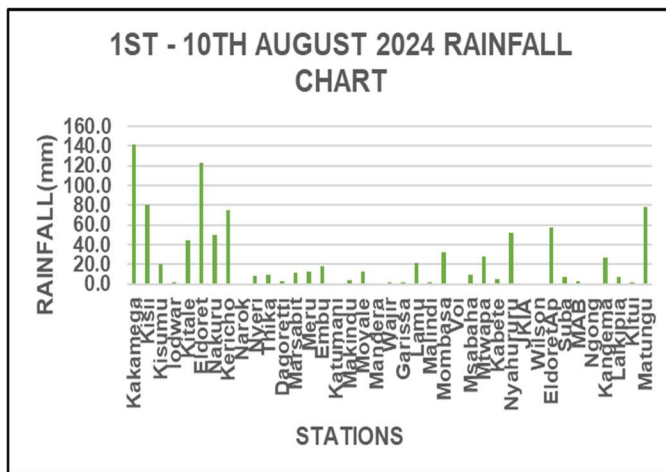


Fig 3.2

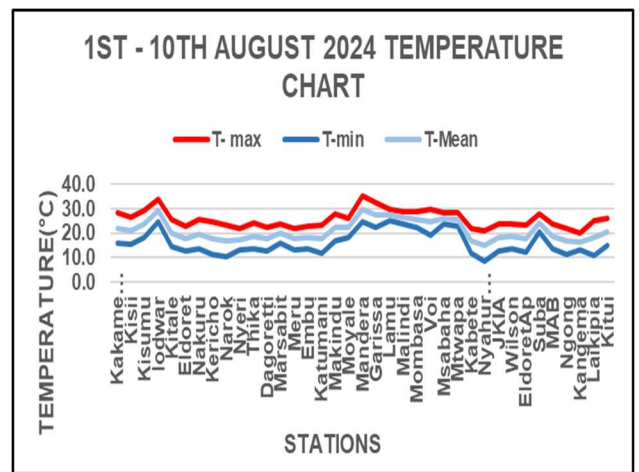


Fig 3.4

4.0 EXPECTED WEATHER AND CROP CONDITIONS DURING THE NEXT TEN (10)

DAYS; 11TH – 20TH AUGUST 2024.

Station	Maximum consecutive wet days from start of JJA Season	Maximum consecutive dry days from start of the Season	Days with moderate or heavy RF from start of the Season	Sum RF from start of JJA Season
Kakamega	5	4	21	434.0
Kisii	4	12	14	266.8
Kitale	5	3	19	319.6
Kericho	8	3	26	414.8
Nyeri	3	12	6	74.5
Thika	2	17	3	61.8
Dagoretti	4	6	9	228.6
Meru	3	19	2	25.0
Embu	3	10	6	60.8
Katumani	2	19	1	13.4
Msabaha	4	8	8	232.0
Mtwapa	2	6	6	162.8
Kabete	4	10	8	174.1
Nyahuru	5	7	13	210.7
Kabarak	2	6	3	63.1

In the **Western and Nyanza regions**, Morning rains are expected over few places. Afternoon showers and thunderstorms are likely to occur over few places occasionally spreading to several places. Night showers are expected over few places.

The crops are expected to continue doing well due to the expected favourable weather conditions.

In the **Central region and Nairobi County**, Intermittent cloudiness, with light rains over few places is expected in the mornings giving way to sunny intervals. Afternoon showers are expected over a few places. Nights are likely to be partly cloudy. Crops and pastures are expected to keep on doing very well due to the wet weather and cloudy environment.

In **North-Western**, Morning rains as well as afternoon and night showers and thunderstorms are expected over few places. In **North-Eastern**, Sunny intervals are expected during the day while nights are likely to be partly cloudy.

Pastures and forage condition are expected to remain in good condition since soil moisture is sufficient from the past rains.

In **south-eastern lowlands**, occasional cloudiness expected in the morning giving way to sunny intervals.

Nights are likely to be partly cloudy.

Crops and pasture condition is expected to start being stressed due to dry condition prevailing during the coming dekad.

In the **Coastal region**, Sunny intervals expected during the day while nights are likely to be partly cloudy. However, occasional morning showers may occur over few places.

Crop and pastures condition are expected to deteriorate due to the dry weather expected over the dekad.

4.1 AGRO-ADVISORY:

- Farmers are advised to use the unseasonal rainfall going on wisely to grow early maturing crops.
- Farmers should ensure proper storage of cereals void of humidity, in a dry and cool places.

▪ Farmers are advised to establish robust collaborations with Meteorological staff and other technical personnel at the grass roots to enhance their understanding of weather patterns and their implications on agricultural activities.



Mary Githinji

▪ Pastoralists in North Western Kenya, North Eastern regions, should make proper use of pasture & forage and employ right preservation and storage means.

▪ Communities should take advantage of the current rains to harvest water for use during dry periods.

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For inquiries, clarification, or feedback kindly use the contacts below.