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AGROMETEOROLOGICAL BULLETIN

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2.0 WEATHER AND CROP REVIEW FOR THE 1ST – 10TH SEPTEMBER 2024.

DEKAD 25 PERIOD: 1ST – 10TH SEPTEMBER
2024.

2.1 WESTERN AND NYANZA REGION

1.0 HIGHLIGHTS

Most stations in the region reported increased rainfall compared to the previous dekad. Mean air temperature in the region ranged between 17.4°C to 21.8°C. Broken cloud cover dominated the region throughout the dekad.

- Only few parts of the Country recorded moderate to heavy rainfall during the dekad.
- Kitale station reported the highest amount of rainfall of 114.6 mm, followed by Kakamega in the western region with 114.3 mm. (Figures 3.1 and 3.3).
- There was no significant change in the mean air temperature possibly due to increasing cloud cover over most parts of the country (Figures 3.2 and 3.4).
- Total pan evaporation decreased over several parts of the country.
- During the next ten days, most parts of the country are likely to be generally sunny and dry. Few areas in the Highlands East and west of the Rift Valley, the Lake Victoria Basin, the Rift Valley and the Coast may receive light to moderate rainfall.

2.11 KAKAMEGA:

The station reported a rainfall amount of 114.3 mm which was above its long-term mean.

The average mean air temperature at the station decreased from 22.2°C in the previous dekad to 21.8°C, the station reported broken cloud cover throughout the dekad.

Some farmers have started planting.

2.12 KISHII:

The station recorded 72.4 mm of rainfall, which was above its long-term mean. Mean air temperature increased from 20.9°C to 21.1°C during the same period.

The station reported broken cloud cover throughout the dekad.

Most of the farmers have started planting.

2.2.0 RIFT VALLEY REGION

Several parts within the region reported less rainfall compared to the previous dekad.

Mean air temperature in the region ranged between 17.4 °C to 19.6 °C. Broken cloud cover was observed over most parts of the region during the dekad.

2.2.1 KITALE:

The station recorded 114.6 mm of rainfall during the dekad. The mean air temperature increased slightly from 19.3°C to 19.6°C.

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

Most farmers are harvesting their maize crop.

2.2.2 KERICHO:

The station reported a rainfall amount of 97.9 mm which was above its long-term mean of 71.1 mm. Mean air temperature was 18.0°C as in the previous dekad.

The station reported broken cloud cover throughout the dekad.

Harvesting of maize has been completed.

2.3.0 CENTRAL AND NAIROBI REGION.

Most stations reported increased rainfall compared to the previous dekad (Fig 3.3). Mean air temperature increased in the region and ranged between 14.4°C and 19.9°C. Most stations from the region reported broken cloud cover throughout the dekad.

2.3.1 NYERI:

The station reported a cumulative rainfall amount of 18.3 mm which was above the long term dekad mean of 8.5 mm. Mean air temperature slightly increased from 17.7°C to 18.6°C during the dekad.

Cloud cover was broken throughout the dekad.

Harvesting of maize is on-going.

2.3.2 THIKA:

The station received a rainfall amount of 22.7 mm which was above its long-term dekad mean. Mean air temperature decreased from 19.9°C to 18.8°C during the dekad.

The station reported broken cloud cover and total pan evaporation of 9.2 mm during the dekad.

Harvesting of maize is on-going.

2.3.3 DAGORETTI

The station reported cumulative rainfall amount of 4.0 mm which is below its long-term dekad mean of 9.2 mm. The mean air temperature increased from 18.0°C to 18.6 °C. The station reported broken cloud cover throughout the dekad.

Harvesting of maize is on-going.

2.3.4 KABETE:

The station reported cumulative rainfall amount of 6.1 mm during the dekad. The mean air temperature at the station slightly increased from 17.3°C to 17.6°C. The station reported broken cloud cover throughout the dekad.

Harvesting of maize is on-going.

2.3.5 NYAHURURU:

The station received rainfall amount of 21.4 mm which was below its long-term mean of 44.1 mm. The mean air temperature at the station slightly increased from 14.4°C to 14.5°C. The station reported scattered cloud cover in the morning and broken cloud cover in the afternoon. Maize has attained full ripeness and ready for harvest.

2.4.0 EASTERN REGION:

The Eastern region reported increased rainfall compared to the previous dekad with Meru, Embu and Kitui reporting 50.4 mm, 17.0 mm and 0.6 mm respectively. (Fig 3.2). Mean air temperature ranged between 18.3°C and 22.8°C. Broken cloud cover dominated the region throughout the dekad.

2.4.1 MERU:

The station recorded cumulative rainfall amount of 13.8 mm which was above the long-term decadal mean of 5.7 mm. Mean air temperature slightly increased from 18.3°C to 18.7 °C.

Broken cloud cover was observed in the morning and scattered cloud cover in the afternoon.

Land preparations are ongoing for the next cropping season.

2.4.2 EMBU:

The station reported 17.0 mm of rain during the dekad. The mean air temperature at the station increased from 18.9 °C to 19.9°C.

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

Some farmers are still harvesting their maize crop.

2.4.3 KATUMANI:

The station dry during the dekad.

The mean air temperature increased from 18.4 °C to 19.1 °C. A broken cloud state was reported during the dekad.

All crops have been harvested.

2.5.0 COASTAL REGION

The Coastal region reported enhanced rains compared to the previous dekad. The mean air temperature ranged between 24.2°C and 27.2°C. Broken cloudy conditions was observed in the region throughout the dekad.

2.5.1 MTWAPA:

The station recorded a rainfall amount of 40.9 mm which was above its long term decadal mean of 17.9mm. Mean air temperature increased from 26.3°C to 26.5°C. Broken cloud cover was observed in the morning and scattered in the afternoon.

Farm preparations are ongoing in readiness for the next growing season.

2.5.2 MSABAHA:

The station reported a rainfall amount of 13.1 mm during the dekad. The mean air temperature remained unchanged at 26.6°C. Broken cloud cover was observed in the morning while scattered cloud cover were observed in the afternoon.

Harvesting has been completed.

2.6.0 NORTH EASTERN REGION:

Most stations in the region reported increased rainfall amounts from the previous dekad. Mean air temperature ranged between 28.9°C to 30.7°C.

Broken cloud cover dominated the region all through the dekad.

DEKAD 25 2024 RAINFALL AND TEMPERATURE MAPS/CHARTS & TABLES

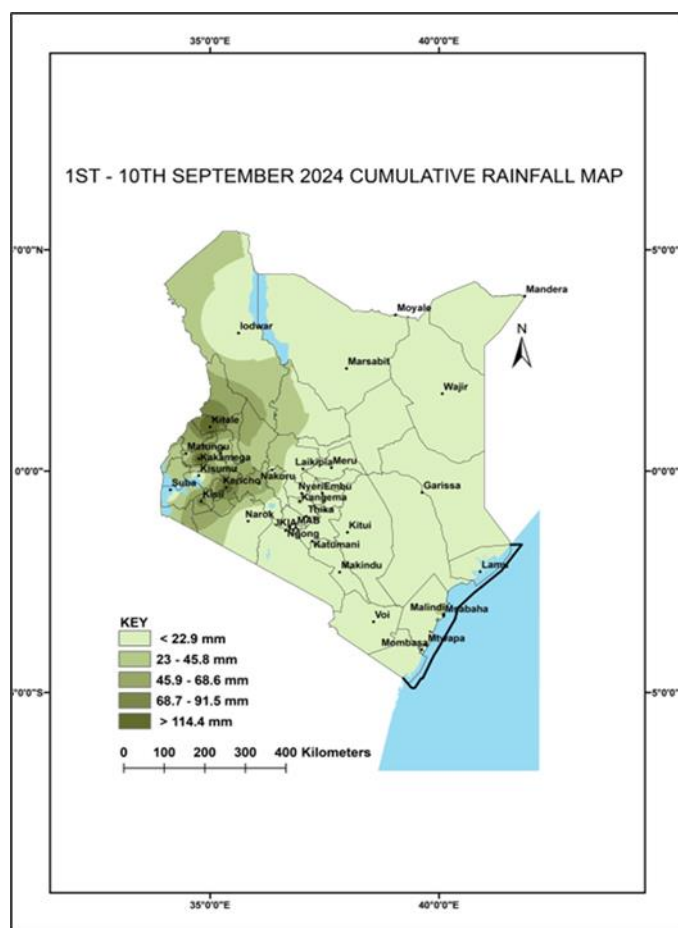


Fig: 3.1

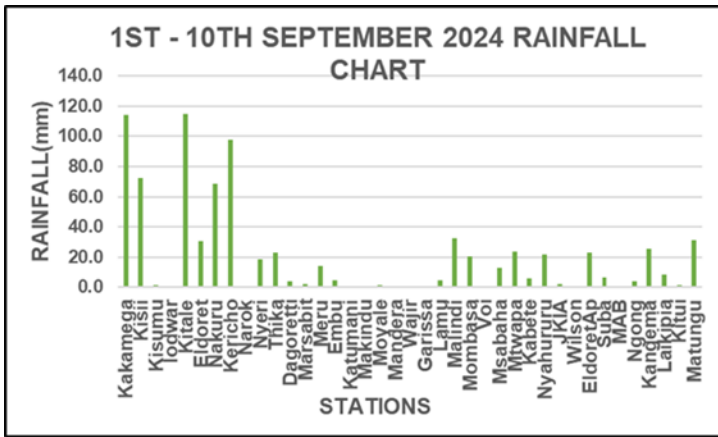


Fig: 3.2

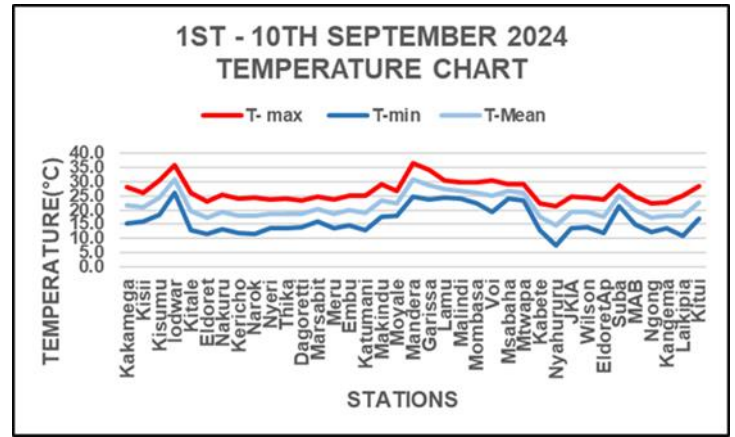


Fig: 3.4

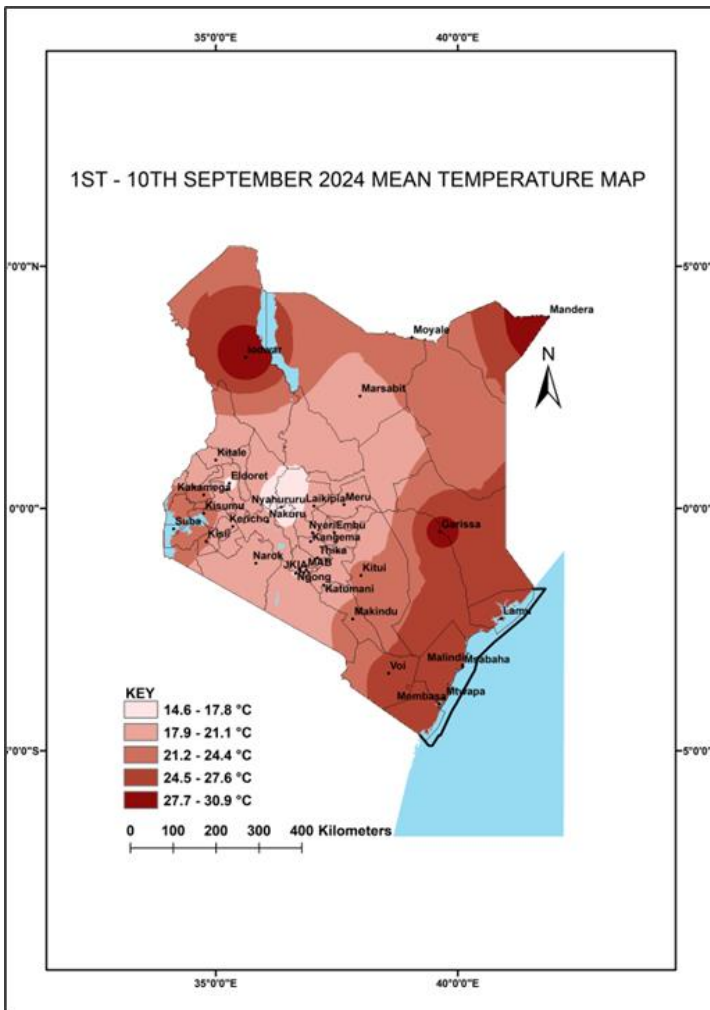


Fig: 3.3

Station	Maximum consecutive wet days during the dekad	Maximum consecutive dry days during the dekad	Days with moderate or heavy RF during the dekad
Kakamega	5	1	5
Kisii	6	2	4
Kitale	2	1	6
Kericho	5	3	5
Nyeri	1	5	1
Thika	7	0	0
Dagoretti	1	6	0
Meru	1	5	1
Embu	2	5	0
Katumani	0	10	0
Msabaha	3	1	0
Mtwapa	3	1	1
Kabete	2	6	1
Nyahuru	1	3	2

Fig: 3.5

4.0 EXPECTED WEATHER AND CROP

CONDITIONS DURING THE NEXT TEN (10) DAYS;

11TH – 20TH SEPTEMBER 2024.

In the **Western and Nyanza regions**, Mornings are expected to be generally sunny though occasional rains may occur over few places. Afternoon showers and thunderstorms are likely to occur over few places. Night is expected to be partly cloudy with light showers over few places.

In the **Central region and Nairobi County**, Intermittent cloudiness, is expected in the mornings giving way to sunny intervals. Light afternoon showers are expected over few places. Nights are expected to be partially cloudy.

The crops and pastures in the region are expected to benefit from the expected rainfall in the region.

In **North Western**, sunny intervals are expected during the day while nights are likely to be partly cloudy.

In **North Eastern**, sunny intervals are expected during the day while nights are likely to be partly cloudy.

Pastures and forage are expected to start deteriorating due to the scanty moisture in the region.

In **south-eastern lowlands**, Sunny intervals are expected during the day while nights are likely to be partly cloudy.

Crops and pasture condition is expected to deteriorate due to the expected dry weather in the region

Over the **Coastal region**, the first half of the forecasted period, is expected to have sunny intervals during the morning and afternoon session and during the night partly cloudy. Over the last half Showers are expected all the day.

The expected precipitation will benefit the crops and pastures in the field.

4.1 AGRO-ADVISORY:

- ❖ Farmers are advised to make early land preparations and early planting in order to enhance the crop yields and ensure the food security.

- ❖ Farmers are advised to grow short maturing and drought resistant crops due to the expected depressed rains over Eastern Kenya.

Pastoralists are advised on conservation of the current forage crop.

Appropriate grazing during the current season to maintain plant vigor- this will ensure survival during the depressed rain season and recovery after drought.

Enhance offtake to facilitate conservative stocking rate during the OND

Offtake before the droughts starts to receive better prices.

- ❖ Farmers should ensure proper storage of cereals in dry and cool places to avoid food contamination.
- ❖ Farmers are advised to establish robust collaborations with Meteorological staff and other technical personnel at the grassroots to enhance their understanding of weather patterns and their implications on agricultural activities.
- ❖ The National & County governments should make an effort to avail subsidized sated seeds, fertilizers and farm chemicals to make them affordable to many farmers.

For inquiries or any clarification, please use the email below



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