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AGROMETEOROLOGICAL BULLETIN

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DEKAD 26 PERIOD: 11TH – 20TH SEPTEMBER 2024.

1.0 HIGHLIGHTS

- Only few parts of the Country recorded moderate to heavy rainfall during the dekad.
- Kakamega station reported the highest amount of rainfall of 91.0 mm, followed by Kitale in the western region with 84.9 mm. (Figures 3.1 and 3.3).
- During the dekad, mean air temperature and Total pan evaporation increased over several parts of the country possibly due to low cloud cover over several parts of the country. (Figures 3.2 and 3.4).
- During the next ten days, most parts of the country are likely to be generally sunny and dry. However, some parts of the Highlands East and west of the Rift Valley, the Lake Victoria Basin, the Rift Valley and the Coast are expected to receive rainfall.

WEATHER AND CROP REVIEW FOR THE PERIOD

11TH – 20TH SEPTEMBER 2024.

2.0 WESTERN AND NYANZA REGION

Some stations in the region reported increased rainfall compared to the previous dekad. Mean air temperature in the region ranged between 22.2°C to 25.3 °C. Scattered clouds dominated the region throughout the dekad.

2.11 KAKAMEGA:

The station reported a rainfall amount of 91.0 mm which was above its long-term mean.

The average mean air temperature at the station increased from 21.8°C in the previous dekad to 22.6°C, the station reported few clouds in the morning and scattered clouds during the afternoon.

Most farmers have planted their crops.

2.12 KISII:

The station recorded 36.2 mm of rainfall, which was below its long-term mean. Mean air temperature increased from 21.1°C to 22.2°C during the same period.

The station reported scattered clouds throughout the dekad.

Planting is ongoing.

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 17.7 °C to 20.0 °C. Broken clouds dominated most parts of the region during the dekad.

2.2.1 KITALE:

The station recorded 84.9 mm of rainfall during the dekad. The mean air temperature increased slightly from 19.6°C to 20.0°C.

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

Land preparations are ongoing.

2.2.2 KERICHO:

The station reported a rainfall amount of 60.1mm which is above its long-term mean of 50.4 mm. Mean air temperature increased from 18.0°C to 18.5 °C.

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

Land preparations are ongoing for the next growing season.

2.3.0 CENTRAL AND NAIROBI REGION.

Several stations reported decreased rainfall compared to the previous dekad (Fig 3.3). Mean air temperature increased in the region and ranged between 15.0°C and 21.9°C. Most stations from the region reported broken cloud cover throughout the dekad.

2.3.1 NYERI:

The station reported a rainfall amount of 0.0 mm which was below the long term dekadal mean of 8.3mm. Mean air temperature increased from 18.6°C to 19.7°C during the dekad.

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

Land preparations are ongoing.

2.3.2 THIKA:

The station received a rainfall amount of 0.0 mm which is below its long-term dekadal mean. Mean air temperature increased from 18.8°C to 21.9°C during the dekad.

The station reported scattered cloud cover and total pan evaporation of 53.5 mm during the dekad.

Land preparations are ongoing for next cropping season.

2.3.3 DAGORETTI

The station reported cumulative rainfall amount of 20.5 mm which is above its long-term dekadal mean of 8.4 mm. The mean air temperature increased from 18.6°C to 19.8 °C. The station reported broken cloud cover in the morning and scattered cloud cover in the afternoon during the dekad.

Maize harvesting is still ongoing while some farmers have started land preparations for the next growing season.

2.3.4 KABETE:

The station reported cumulative rainfall amount of 4.6 mm during the dekad. The mean air temperature at the station increased from 17.6°C to 18.8°C. The station reported broken cloud cover in the morning and scattered cloud cover in the afternoon hours.

Land preparations are ongoing for the next growing season.

2.3.5 NYAHURURU:

The station received rainfall amount of 8.9mm which was below its long-term mean of 20.1 mm. The mean air temperature at the station slightly increased from 14.5°C to

15.0°C. The station reported few clouds cover in the morning and broken cloud cover in the afternoon. Land preparations are going on for the next crop season.

2.4.0 EASTERN REGION:

The Eastern region reported reduced rainfall compared to the previous dekad with Meru, Embu and Kitui reporting 0.0 mm, 0.3 mm and 0.0 mm respectively. (Fig 3.2). Mean air temperature ranged between 19.7°C and 22.4°C. Scattered cloud cover dominated the region throughout the dekad.

2.4.1 MERU:

The station recorded cumulative rainfall amount of 0.0 mm which was below the long-term decadal mean of 3.5 mm. Mean air temperature slightly increased from 18.7°C to 19.7 °C.

Scattered cloud cover was observed throughout the dekad.

Land preparations are ongoing for the next cropping season.

2.4.2 EMBU:

The station reported a cumulative rainfall amount of 0.3 mm during the dekad. The mean air temperature observed under the same period increased from 19.9 °C to 21.1°C.

The station reported broken cloud cover throughout the dekad.

Some farmers are still harvesting their maize crop while a few others have started land preparations for the next growing season.

2.4.3 KATUMANI:

The station reported 0.0 mm of rainfall which was below the long-term mean rainfall of 1.3mm during the dekad.

The station reported increased temperatures from 19.1 °C to 19.9 °C.

A scattered cloud cover was reported throughout the dekad.

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

2.5.0 COASTAL REGION

The Coastal region reported decreased rains compared to the previous dekad. The mean air temperature ranged between 25.1°C and 27.6°C. Broken cloudy conditions dominated the region in the morning hours and scattered cloudy conditions in the afternoon hours during the dekad.

2.5.1 MTWAPA:

The station recorded a rainfall amount of 3.8 mm which was below its long term dekad mean of 20.3mm. Mean air temperature remained unchanged at 26.2°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 0.5 mm during the dekad. The mean air temperature increased from 26.6°C to 26.9. Scattered cloud cover was observed throughout the dekad.

Farm preparations ongoing for the next growing season.

2.6.0 NORTH EASTERN REGION:

Most stations in the region reported reduced rainfall amounts compared to the previous dekad. Mean air temperature ranged between 29.1°C to 31.5°C.

Scattered cloud cover dominated the region all through the dekad.

DEKAD 25 2024 RAINFALL AND TEMPERATURE MAPS/CHARTS & TABLES

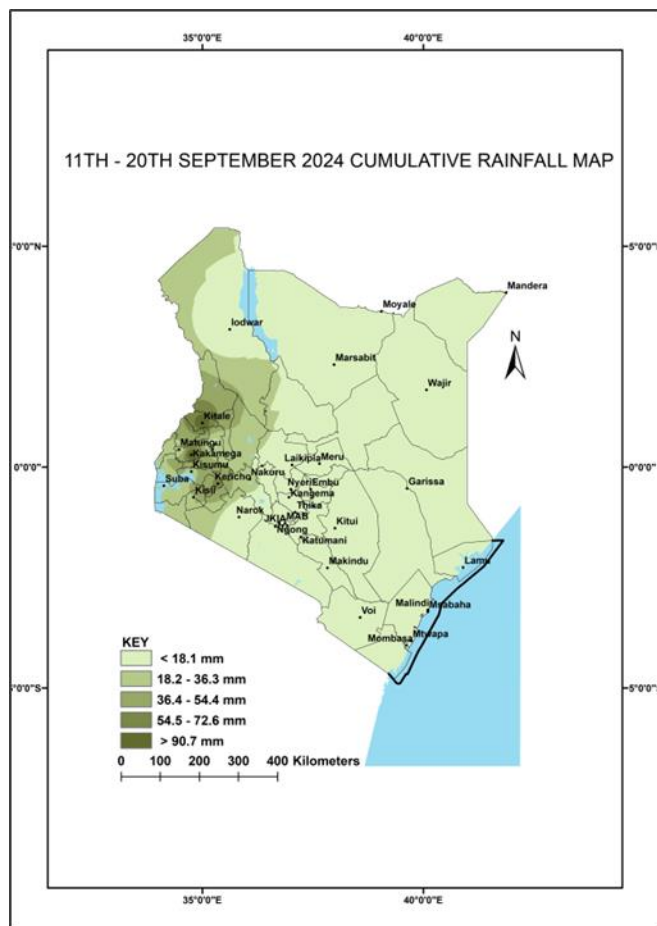


Fig: 3.1

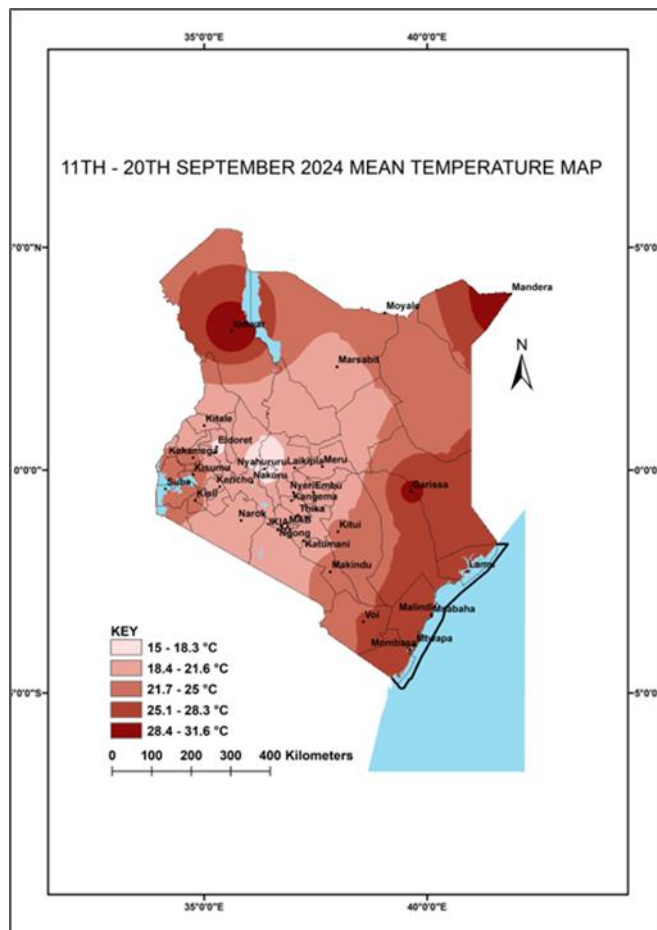


Fig: 3.3

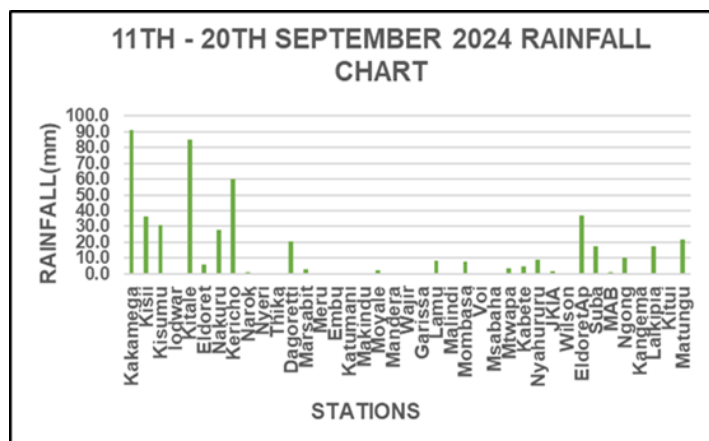


Fig: 3.2

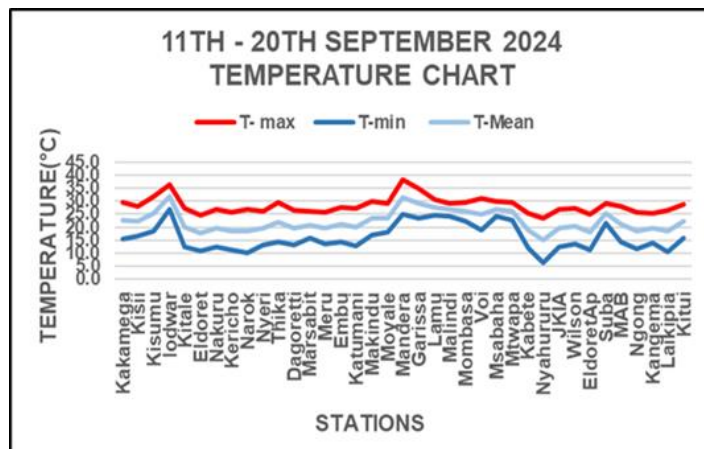


Fig: 3.4

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	2	1	4
Kisii	2	1	2
Kitale	4	1	4
Kericho	5	2	4
Nyeri	0	8	0
Thika	0	10	0
Dagoretti	1	9	1
Meru	0	10	0
Embu	0	4	0
Katamani	0	10	0
Msabaha	0	9	0
Mtwapa	1	4	0
Kabete	1	9	0
Nyahururu	1	4	1

Fig: 3.5

4.0 EXPECTED WEATHER AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS; 21ST – 30TH SEPTEMBER 2024.

In the Western and Nyanza regions, Sunny intervals are expected in the mornings but a few areas may receive light rains. Afternoon and evening showers and thunderstorms are likely to occur over few places occasionally spreading to several places.

In the Central region and Nairobi County, Intermittent cloudiness is expected in the mornings giving way to sunny intervals for most of the forecast period. Afternoon and night showers are likely to occur over few places.

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

In North Western, Sunny intervals are expected during the day while nights are likely to be partly cloudy. Occasional rainfall is however likely towards the end of the forecast period

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

Pastures and forage are expected to continue 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

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

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

4.1 AGRO-ADVISORY:

Farmers are advised to carry out early land preparation and timely planting in order to take advantage of all the rainy days in the season

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 and County Governments should make an effort to avail subsidized satisfied 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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