



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE & FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
Dagoretti Corner, Ngong Road, P. O. Box 30259-00100, GPO, Nairobi, Kenya
Telephone: +254 (0) 20 38567880-7, +254 724 255 153-4
E-mail: director@meteo.go.ke, info@meteo.go.ke Website: <http://www.meteo.go.ke>

AGROMETEOROLOGICAL BULLETIN

Ref: MET/8 /001 / 1

Issue No: 03/2025

Date: 04/2/2025

DEKAD 03 PERIOD: 21ST – 31ST JANUARY 2025.

1.0 HIGHLIGHTS

- During the period under review rainfall amounts increased significantly in the country compared to the previous dekad.
- Kisii station in Nyanza region recorded the highest amount of rainfall of 172.5 mm followed by Dagoretti station in Nairobi with 140.9 mm. (see **Figures 3.1 and 3.3**).
- The mean air temperature decreased over most parts of the country as a result of increased cloud cover during the day and high humidity (see **Figures 3.2 and 3.4**).
- Total pan evaporation readings increased over most parts the country compared to the previous dekad.

2.0 During the next ten days sunny - dry weather conditions are expected to prevail over most parts of the country. Light to moderate rainfall is expected over the isolated areas over the southwestern portion of the country. (see **Figure 3.6**).

2.1 WEATHER AND CROP REVIEW FOR THE PERIOD 21ST – 31ST JANUARY 2025.

2.2 WESTERN AND NYANZA REGION

Most stations in the region reported increased rainfall compared to the previous dekad. Kisii station recorded the highest amount of 172.5 mm followed by Matungu with 85.5 mm. Mean air temperature decreased slightly in the region ranging between 20.7°C and 23.5°C. Scattered cloud cover dominated the region throughout the dekad.

2.11 KAKAMEGA:

The station reported a rainfall amount of 72.7 mm which was significantly above its long-term mean of 23.9 mm.

The average mean air temperature at the station decreased from 22.5°C to 22.9°C, the station reported scattered cloud cover during the dekad.

2.12 KISII:

The station recorded 172.5 mm of rainfall, which was above its long term of 36.8 mm during the dekad. Mean air temperature slightly increased from 21.7°C to 20.6°C during the same period.

The station reported broken cloud cover during the dekad.

Maize has attained maturity and ready for harvesting.

2.2.0 RIFT VALLEY REGION

Most stations within the region reported increased rainfall amounts during dekad. Kericho station recorded the highest amount of 91.2 mm followed by Narok with 67 mm.

Mean air temperature in the region ranged between 17.5 °C in Eldoret and 20.2 °C in Kitale.

Broken cloud cover dominated over most parts of the region during the dekad.

2.2.1 KITALE:

The station recorded 10.1 mm of rainfall during the dekad. The mean air temperature remained decreased from 20.0 °C to 19.7 °C.

The station reported broken clouds cover during the dekad.

Land preparations are ongoing.

2.2.2 KERICHO:

The station reported rainfall amount of 91.2 mm as compared to its long-term mean of 34.0 mm. Mean air temperature decreased from 19.0 °C to 17.9 °C

The station reported broken clouds cover all through during the dekad.

Maize is at post flowering stage and in a good state due to sufficient rainfall during the dekad. Beans are being harvested

2.3.0 CENTRAL AND NAIROBI REGION.

Several stations in the region reported increased rainfall compared to the previous dekad. Dagoretti and Nyahururu stations recorded 140.9 mm and 90.2 mm of rainfall respectively (**Fig 3.3**). Mean air temperature increased in the region and ranged between 15.2 °C and 22.0 °C. Most stations from the region reported scattered cloud cover throughout the dekad.

2.3.1 NYERI:

The station reported rainfall amount of 62.4 mm which was above the long term dekadal mean of 15.4 mm. Mean air temperature increased from 18.8 °C to 19.3 °C during the dekad.

Cloud cover was scattered throughout the dekad.

Maize is at the flowering stage while beans are at the early mature stage however, both crops are in good state due to sufficient rainfall recorded over the dekad.

2.3.2 THIKA:

The station recorded rainfall amount of 78.9 mm during the dekad. dry during the period under review. Mean air temperature increased from 20.9 °C to 22.0 °C during the dekad.

The cloud cover at the station was few during the dekad.

Maize is at post flowering stage and in poor state due to lack of sufficient rains. Beans has attained maturity and ready for harvest, below normal yield is expected.

2.3.3 DAGORETTI

The station reported rainfall amount totalling 140.9 mm during the dekad. The mean air temperature at the station increased from 20.0 °C to 20.3 °C. The station reported scattered cloud cover throughout the dekad.

Maize is at post flowering stage while beans have harvested Normal yield expected for the maize crop.

2.3.4 KABETE:

The station realized cumulative rainfall of 60.6 mm during the dekad. The mean air temperature at the station slightly increased from 19.2 °C to 19.8 °C. The station reported scattered cloud cover throughout the dekad. Maize is at maturity stage and beans have awaiting harvest, however, both crops had been affected by insufficient rainfall.

2.3.5 NYAHURURU:

The station recorded cumulative rainfall of 90.2 mm during the period under review. The mean air temperature at the station slightly increased from 14.9 °C to 15.2 °C. The station reported scattered clouds cover throughout the dekad.

2.4.0 EASTERN REGION:

All the stations in the region recorded enhanced rainfall during the dekad. (see Fig 3.3). Mean air temperature ranged between 19.7°C and 26.0°C. Scattered cloud cover dominated the region throughout the dekad.

2.4.1 MERU:

The station recorded rainfall amount of 37.2 mm during the period under review. Mean air temperature increased from 19.1°C to 19.8°C.

Scattered clouds cover was recorded throughout the period under review.

Both crops are showing signs of withering despite the recent rains. Areas bordering the Arid and Semi-Arid areas have total crop failure.

2.4.2 EMBU:

The station remained dry during the dekad. The mean air temperature observed under the same period slightly decreased from 20.0 °C to 19.7°C.

The station reported broken cloud cover throughout the dekad.

Maize is at post flowering while beans have attained maturity and both crops are being affected by insufficient rainfall.

2.4.3 KATUMANI:

The station received enhanced rainfall amount of 78.9 mm during the dekad.

The mean air temperature decreased slightly from 20.6°C to 20.5°C.

Scattered clouds cover was reported throughout the dekad.

Maize crop is at maturity stage and beans are being harvested. Maize crops are improving due to the rain recorded over the dekad.

2.5.0 COASTAL REGION

Most stations in the region remained dry during the dekad except Voi station which reported 49.3 mm. The mean air temperature ranged between 27.7°C and 29.0°C. Scattered cloud cover dominated during the dekad.

2.5.1 MTWAPA:

The station remained dry during the period under review. Mean air temperature decreased from 28.3°C to 27.7°C. Broken cloud cover was reported all through during the dekad.

Maize is at maturity stage and below normal yield is expected due to insufficient moisture in the soil.

2.5.2 MSABAHA:

The station remained dry during the dekad. The mean air temperature slightly decreased from 28.5°C to 27.9°C. Scattered cloud cover was reported during the dekad.

No activities happening on the farms as the lands are lying fallow.

2.6.0 NORTH EASTERN REGION:

The region remained dry during the dekad. Mean air temperature ranged between 30.0°C and 30.8°C. Scattered cloud cover dominated over several parts of the region.

DEKAD 03 2025 RAINFALL AND TEMPERATURE
MAPS/CHARTS & TABLES

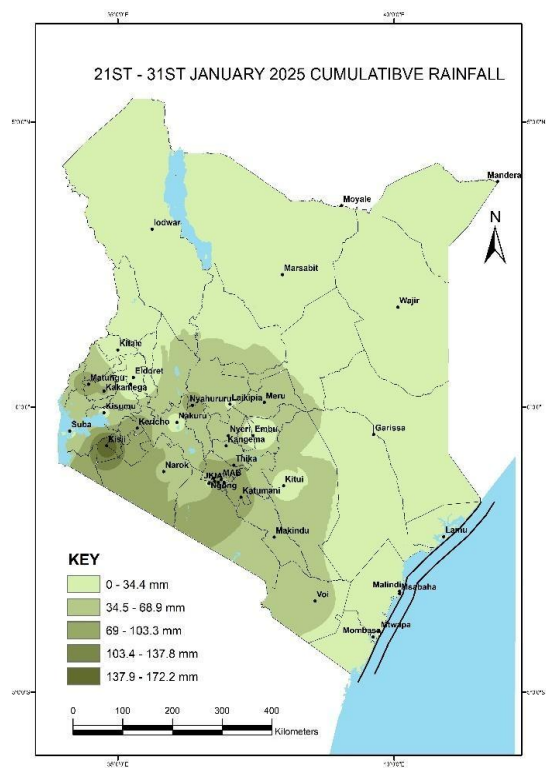


Fig: 3.1

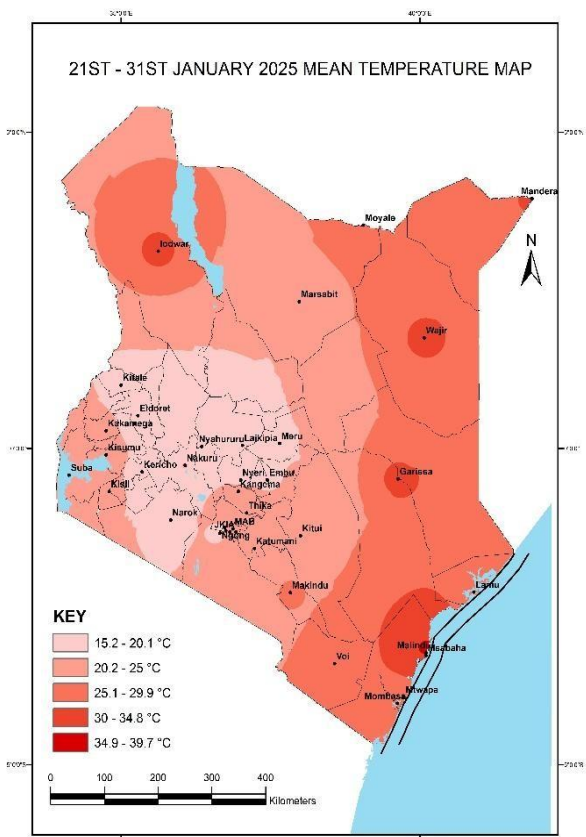


Fig:3.2

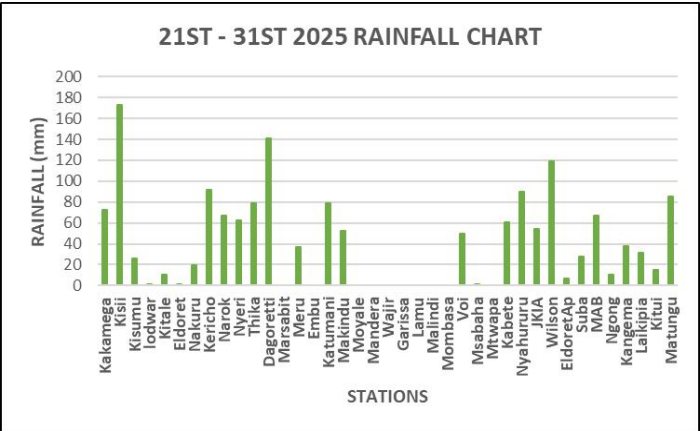


Fig: 3.3

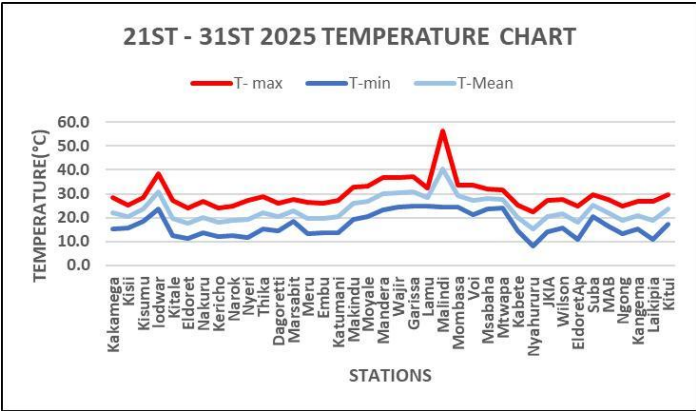


Fig: 3.4

Station	Maximum consecutive wet days during the dekad	Maximum consecutive dry days during the dekad	Number of rainy days during the dekad	Cumulative rainfall from 1 st of January 2025
Kakamega	3	1	4	85.3
Kisii	4	1	7	206.4
Kitale	2	5	1	36.6
Kericho	3	2	5	101
Nyeri	5	3	4	65.3
Thika	5	5	4	78.9
Dagoretti	2	2	4	151.4
Meru	3	7	2	37.3
Embu	0	11	0	0.0
Katamani	5	5	4	78.9
Msabaha	0	7	0	0.0
Mtwapa	0	11	0	0.3
Kabete	3	2	4	61.7
Nyahururu	5	5	4	92.3

Fig: 3.5

4.0 EXPECTED WEATHER AND CROP CONDITIONS

DURING THE NEXT TEN (10) DAYS; 1ST – 10TH

FEBRUARY 2025.

Counties in Western, Nyanza and South Rift valley:

Mainly Sunny intervals to dominate the region with probability of Light to moderate rainfall expected over few places.

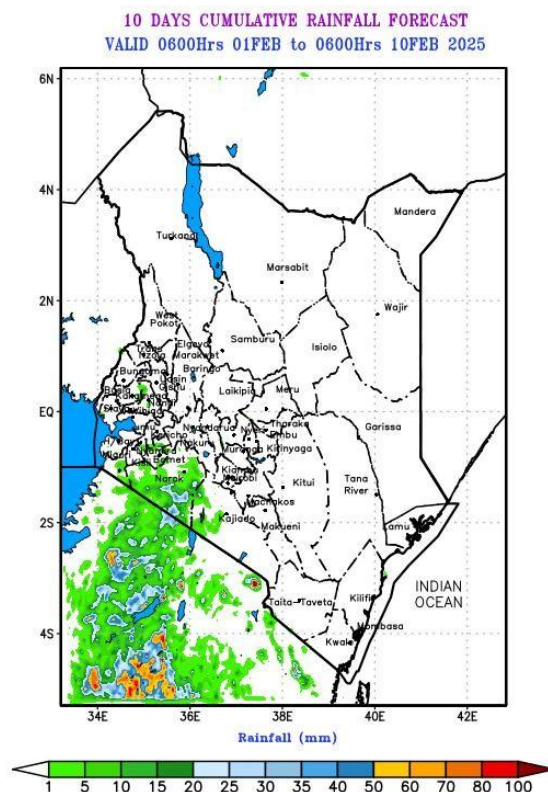
In the **Central region and Nairobi counties**, mainly sun intervals expected to prevail during the day with probability of Light to rainfall over few places.

In **North Western** Sunny conditions are expected during the day, nights are likely to be partly cloudy.

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

In **south-eastern lowlands and Coastal counties**, mainly sun intervals expected to prevail during the day with probability of Light to rainfall over few places.

Crops and pasture condition are expected to deteriorate due to the expected dry conditions over the vast region within the country.



From KMD_AGRO_&_WRF System: Cycle: 00Z

Fig:3.6

4.1 AGRO-ADVISORY:

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.

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.

For inquiries or any clarification, please use the email below



Mary Githinji

Email: Agrometkenya@gmail.com