



MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY

STATE DEPARTMENT FOR ENVIRONMENT AND CLIMATE CHANGE

KENYA METEOROLOGICAL DEPARTMENT

KMD 10 DAY AGROMETEOROLOGICAL BULLETIN



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DEKAD 01 PERIOD: 1ST – 10TH JANUARY 2026.

1.0 HIGHLIGHTS

Precipitation: Most parts of the country experienced below normal rainfall during the dekad under review, with cumulative totals slightly below the long-term dekalal mean. (fig 1.1)

Rainfall Recorded: Kericho in Rift valley region recorded the highest rainfall of 15.1 mm followed by Kisii station in Nyanza region with 9.1 mm.

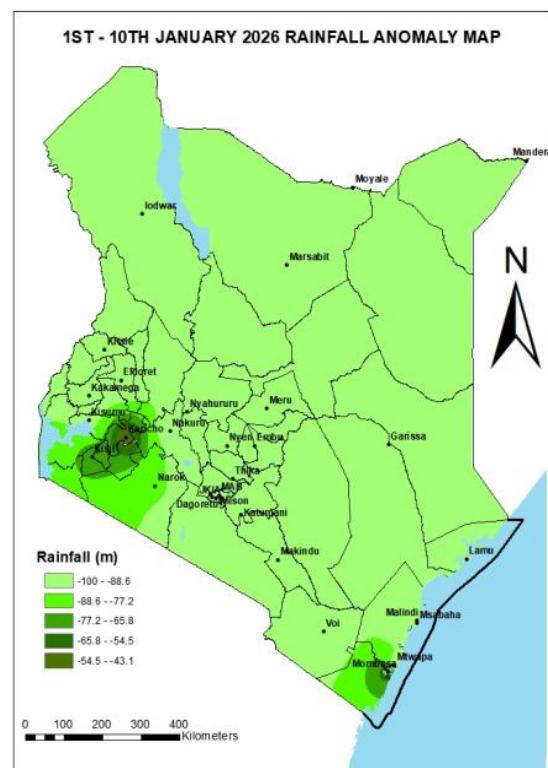
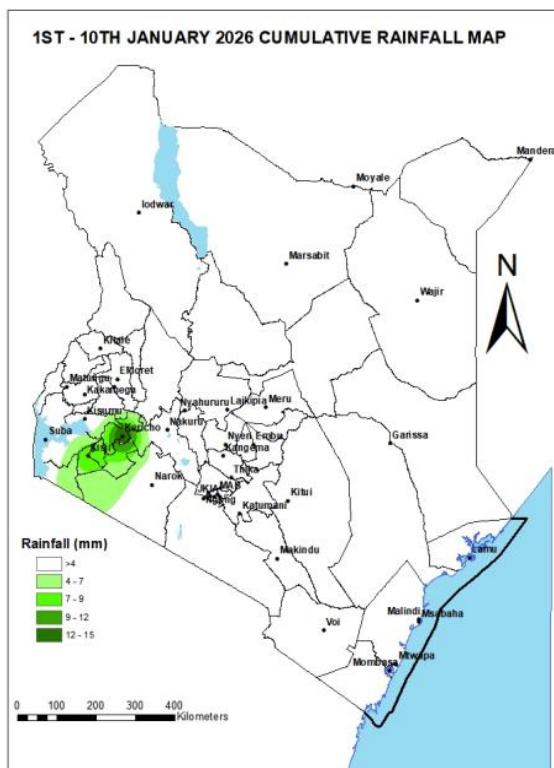


Fig 1.1

Fig 1.2

Soil Moisture: Reduced rainfall during the dekad led to further decrease in soil moisture levels impacting negatively on agricultural activities. (fig 1.3)

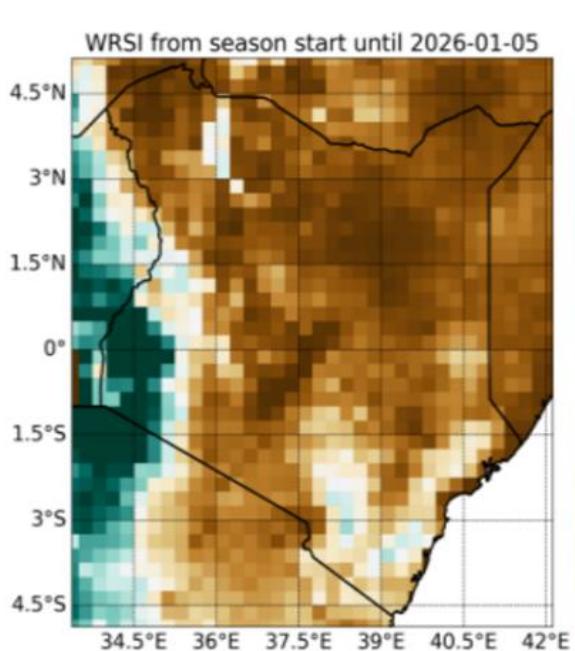


Fig 1.3

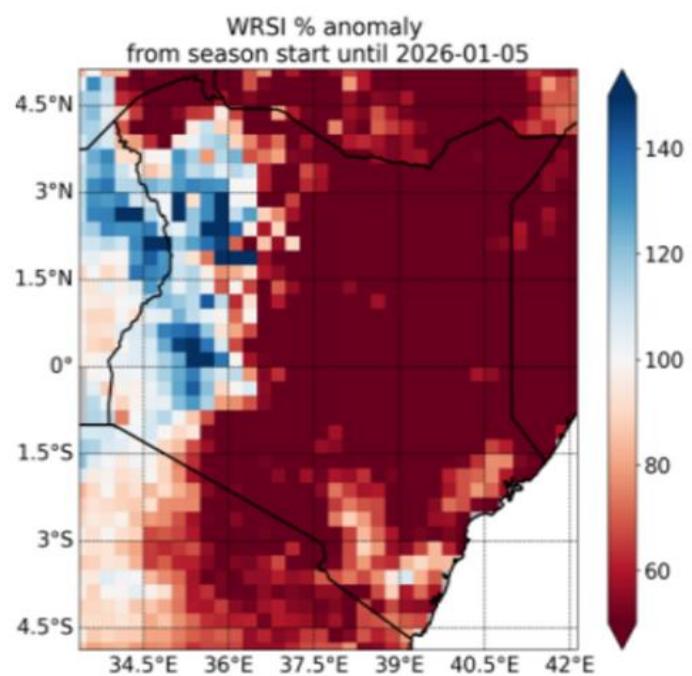


Fig 1.4

Temperature Trends: A slight decrease in mean air temperature was observed across most parts of the country during the review period. (fig 1.5 & 1.6)

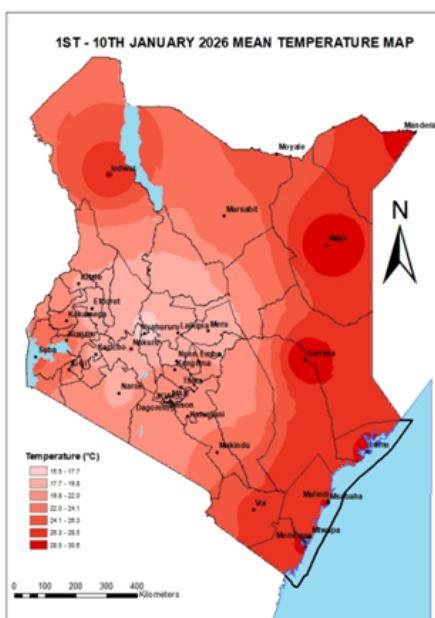


Fig 1.5

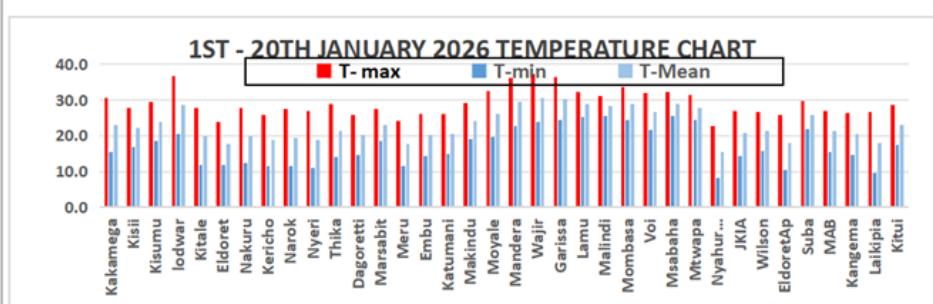


Fig 1.6

Evaporation: Total pan evaporation rates increased significantly across several parts of the country.

2.0 REGIONAL WEATHER AND AGRICULTURAL CONDITIONS

2.1 Western and Nyanza Regions

Most stations within the region received below normal rainfall compared to the Long Term Mean during the dekad.

Kakamega: No rainfall recorded during the dekad; mean air temperature slightly increased to 23.1°C. Crops are not doing well.

Kisii: Received 9.1 mm of rainfall. Temperature slightly increased to 22.2°C. Crops are doing well.

2.2 Rift Valley Region

Most stations in the region reported below normal rainfall compared to the Long Term Mean of the dekad.

Kericho: Recorded 15.1 mm of rainfall; temperature slightly increased from 17.9°C to 18.7°C. Crops are generally doing well.

Kitale: No rainfall recorded during the dekad; mean air temperature slightly increased to 19.8°C. Beans harvesting is complete.

Eldoret: No rainfall recorded; mean temperature decreased to 17.9°C.

2.3 Central and Nairobi Regions

Most stations within the regions recorded below normal rainfall compared to the Long-Term Mean.

Thika: No rainfall Recorded; mean air temperature slightly decreased to 21.5°C. Crops are not doing well.

Dagoretti: No rainfall Received; mean air temperature slightly decreased to 20.2°C. Crops are not doing well.

Kabete: No rainfall recorded; Crops are not doing well

Nyeri: No rainfall recorded. Mean temperature slightly decreased to 18.9°C. Maize crop is at premature stage while beans are in maturity stage. Both crops are doing well.

2.4 Eastern Region

Most stations reported below normal rainfall in the region. Few clouds cover dominated during the dekad.

Meru: No rainfall recorded, mean temperature slightly decreased to 17.8°C. Crops are doing well.

Embu: No rainfall recorded; temperature slightly decreased to 20.2°C. Crops are stressed due to long dry spell.

Katumani: No rainfall recorded; the mean air temperature decreased to 20.5°C. Crops are not doing well.

2.5 Coastal Region

Most stations in the region recorded below normal rainfall compared to the Long-Term Mean. **Mtwapa:** Received no rainfall; mean temperature decreased to 27.9°C. Crops have been affected by the heat. **Msabaha:** No rainfall recorded, mean air temperature slightly decreased to 28.8°C. Most crops are wilting due to insufficient rainfall.

2.6 North Eastern Region

Most Stations in the region reported below normal rainfall during the review period.

The region experienced a slight decrease in mean air temperatures ranging between 26.1°C in Moyale to 30.7°C in Wajir. Scattered cloud cover dominated the region.

3.0 EXPECTED WEATHER, SOIL AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS 11TH – 20TH JANUARY 2026.

Forecast (Next 10 Days): Sunny and dry conditions are expected to prevail throughout the dekad across several parts of the country. However isolated and occasional rainfall may occur particularly in the Highlands east and west of the Rift Valley, the Lake Victoria Basin, the Coastal region, and the south-eastern lowlands.

3.1 Western, Nyanza, and Rift Valley: The regions are expected to experience below normal rainfall.

Farmers are advised to conserve available soil moisture through practices such as mulching, minimum tillage, and timely weeding to reduce moisture loss.

3.2 Central Region & Nairobi: The region is expected to experience normal to below normal rainfall.

Soil and water conservation measures such as mulching, terracing, and contour farming should be strengthened to retain available moisture.

3.3 North Western Region: The region is expected to receive below normal rainfall during the forecast period.

Overgrazing should be avoided to protect pasture regeneration and reduce land degradation.

3.4 North Eastern Region: The region is expected to receive below normal rainfall during the forecast period.

Timely destocking and herd management are recommended to reduce pressure on limited pasture and water resources.

3.5 South-Eastern Lowlands: The region is expected to receive below normal rainfall.

Fodder conservation using crop residues and hay should be enhanced to cushion livestock against prolonged dry conditions.

3.6 Coastal Counties: The region is expected to experience below normal rainfall.

Irrigated farmers, especially those engaged in horticulture and vegetable production, should practice efficient water use to manage limited water availability.

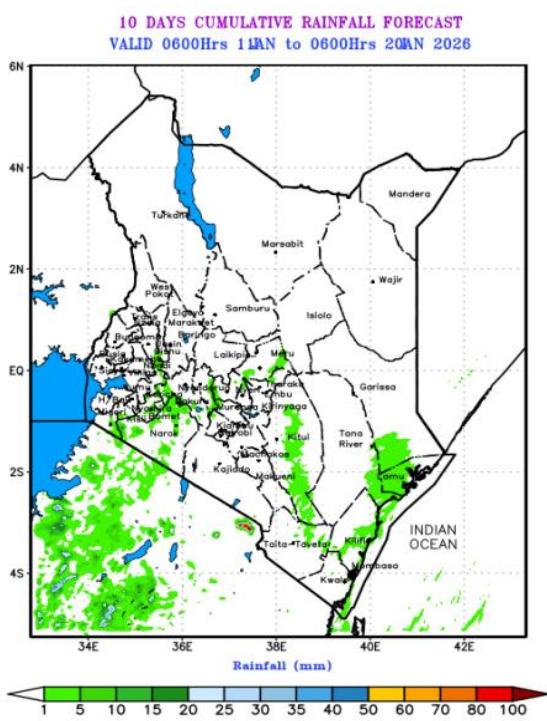


Fig 3.1

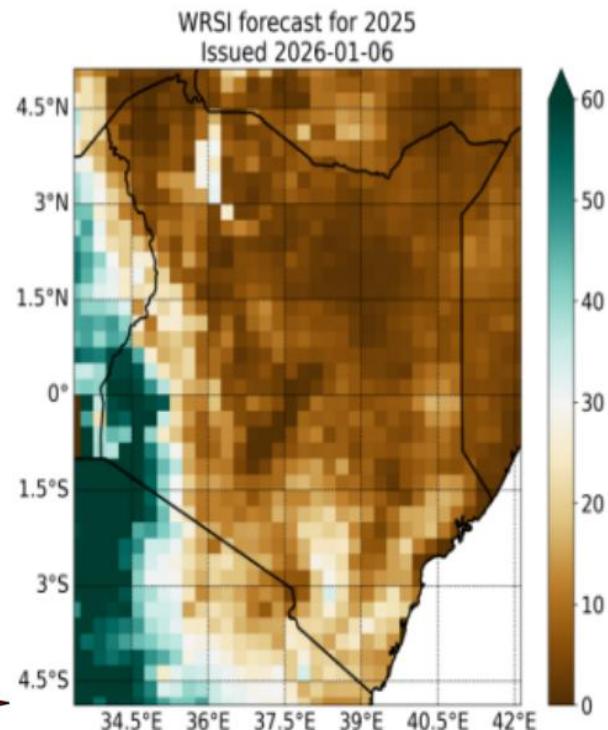


Fig 3.2

4.0 AGRO-ADVISORY FOR FARMERS AND PASTORALISTS.

Farmers:

- ❖ Supplementary irrigation, where available, is recommended for high-value crops such as vegetables and horticultural produce.
- ❖ Timely weeding is recommended to reduce competition for limited soil moisture.
- ❖ Soil moisture conservation practices such as mulching and timely weeding should be emphasized to reduce evapotranspiration losses.

Pastoralists:

- ❖ Livestock keepers are advised to manage pasture and water resources carefully, including controlled grazing and water harvesting, to minimize stress on animals.
- ❖ Livestock keepers are encouraged to harvest and store fodder, and ensure reliable water sources for animals.

General Advisory:

Farmers and pastoralists are encouraged to stay in touch with their nearest agricultural and livestock extension officers for localized advice and updates. Use early warning platforms and weather apps where available



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