



## 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 36 PERIOD: 21<sup>ST</sup> – 31<sup>ST</sup> DECEMBER 2025.

## 1.0 HIGHLIGHTS

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

**Rainfall Recorded:** Wilson Airport in Nairobi region recorded the highest rainfall of 173.5mm followed by Suba station in Nyanza region with 160.6 mm.

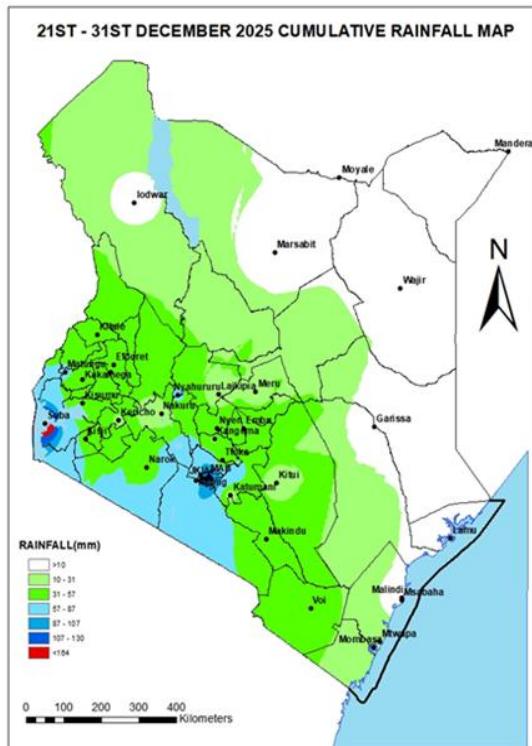


Fig 1.1

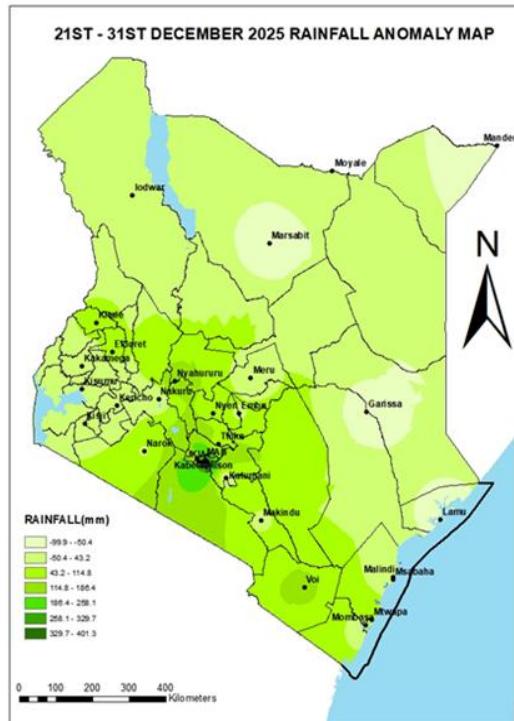


Fig 1.2

**Soil Moisture:** Soil moisture levels have increased significantly following the rainfall received during the previous dekad. This improvement had a positive impact on agricultural activities, enhancing crop establishment, pasture regeneration and overall soil water availability. (fig 1.3)

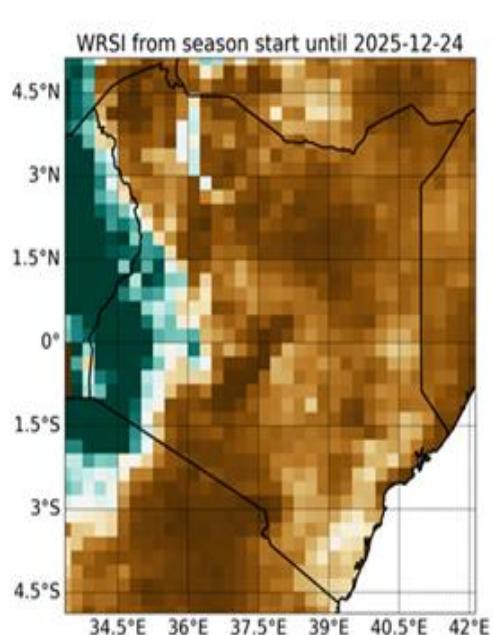


Fig 1.3

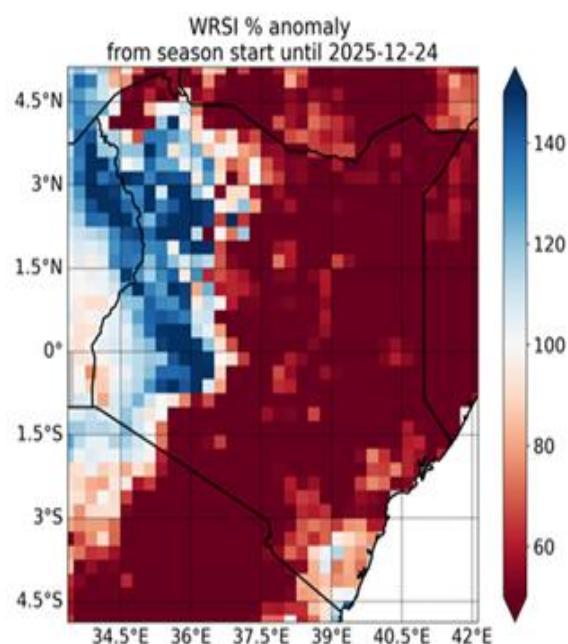


Fig 1.4

**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)

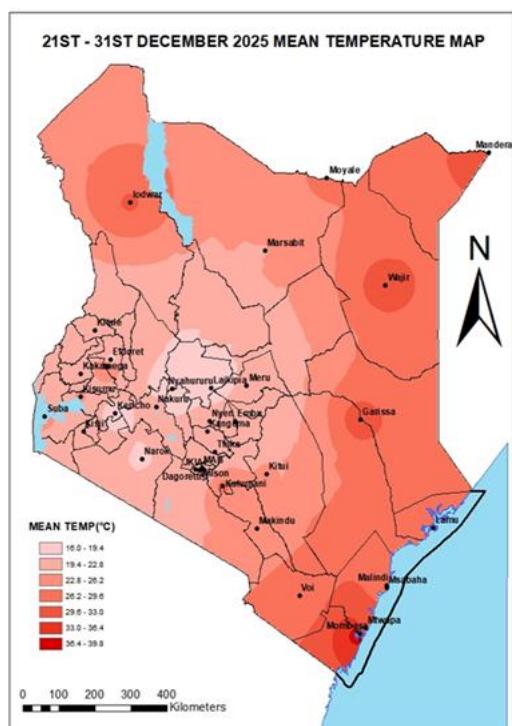


Fig 1.5

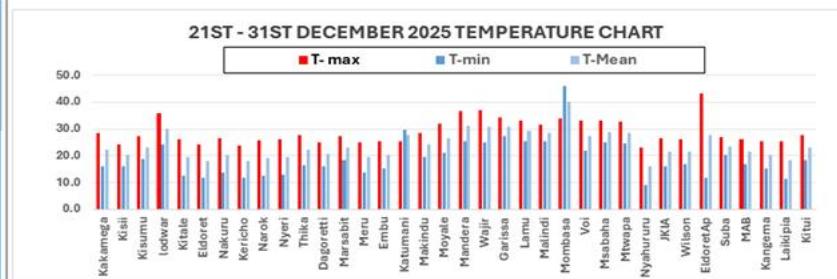


Fig 1.6

**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 normal rainfall compared to the LTM during the dekad.

**Kakamega:** Received 44.8mm of rainfall, Mean air temperature slightly increased to 22.3°C. Crops are not doing well.

**Kisii:** Received 56.3 mm of rainfall. Temperature decreased to 20.1°C. Crops are doing well.

### 2.2 Rift Valley Region

Most stations in the region reported normal rainfall compared to the LTM of the dekad.

**Kericho:** Recorded 29.5 mm of rainfall; temperature slightly increased from 17.8°C to 17.9°C. Crops are generally doing well.

**Kitale:** Recorded 32.9mm of rainfall; mean air temperature slightly decreased to 19.4°C. Beans harvesting is ongoing.

**Eldoret:** Recorded 33.5mm of rainfall; mean temperature increased to 18.0°C.

### 2.3 Central and Nairobi Regions

Most stations within the regions recorded normal to above normal rainfall compared to the Long-Term Average.

**Thika:** Recorded 37.6mm of rainfall; mean air temperature slightly decreased to 22.1°C. Crops are not doing well.

**Dagoretti:** Received 87.8mm of rainfall; mean air temperature slightly decreased to 20.6°C. Crops are not doing well.

**Kabete:** Received 64.1mm of rainfall; Crops are not doing well

**Nyeri:** Received rainfall of 53.9mm. Mean temperature slightly increased to 19.6°C. Maize crop is at tussling stage while beans are in budding stage. Both crops are doing well.

### 2.4 Eastern Region

Most stations reported below normal rainfall in the region. Scattered cloud cover dominated during the dekad.

**Meru:** Recorded 23.4 mm of rainfall, mean temperature slightly decreased to 19.5°C. Crops are doing well.

**Embu:** Received 29.9mm of rainfall; temperature slightly increased to 20.4°C. Crops are slightly recovering from moisture stress.

**Katumani:** Recorded 18.4 mm of rainfall; the mean air temperature increased to 27.6°C. Crops are not doing well.

### 2.5 Coastal Region

Most stations in the region recorded above normal rainfall compared to the LTM. **Mtwapa:** Received 18.5mm of rainfall; mean temperature increased to 28.7°C. Crops have been affected by the heat. **Msabaha:** Recorded 8.0mm of rainfall, Mean air temperature slightly decreased to 29.1°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 increase in mean air temperatures ranging between 30.8°C in Garissa to 31.1°C in Mandera. Scattered cloud cover dominated the region.

### **3.0 EXPECTED WEATHER, SOIL AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS 1<sup>ST</sup> – 10<sup>TH</sup> JANUARY 2026.**

**Forecast (Next 10 Days):** Rainfall is expected to continue over a few areas, particularly in the Highlands east and west of the Rift Valley, the Rift Valley, the Lake Victoria Basin, the Coastal region, parts of the North-western, North-east 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 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.

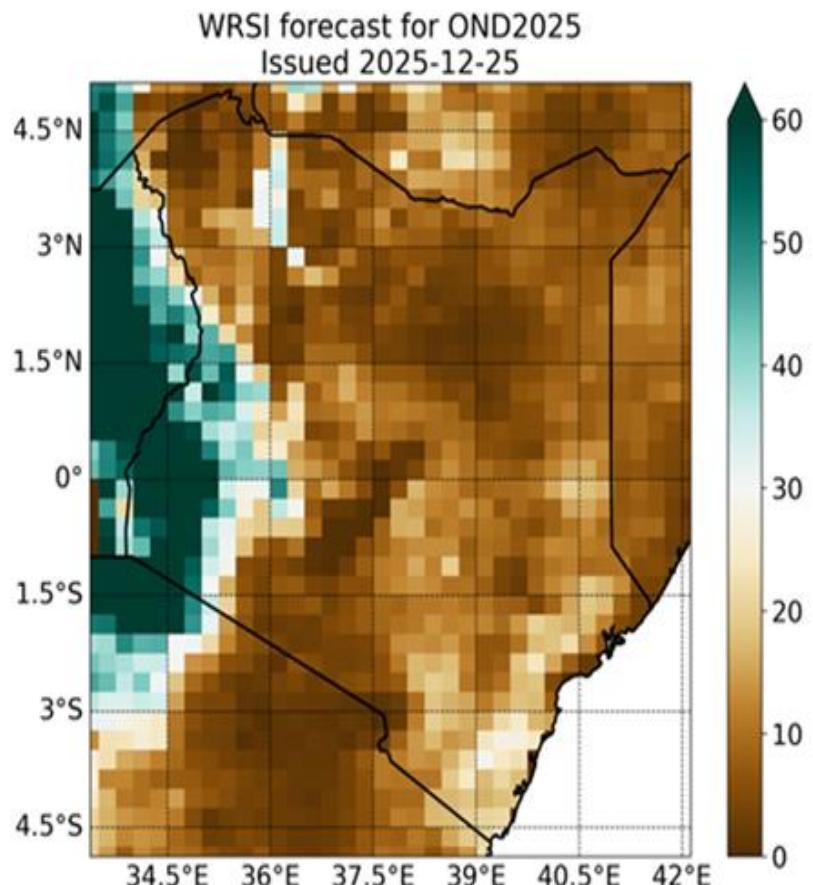
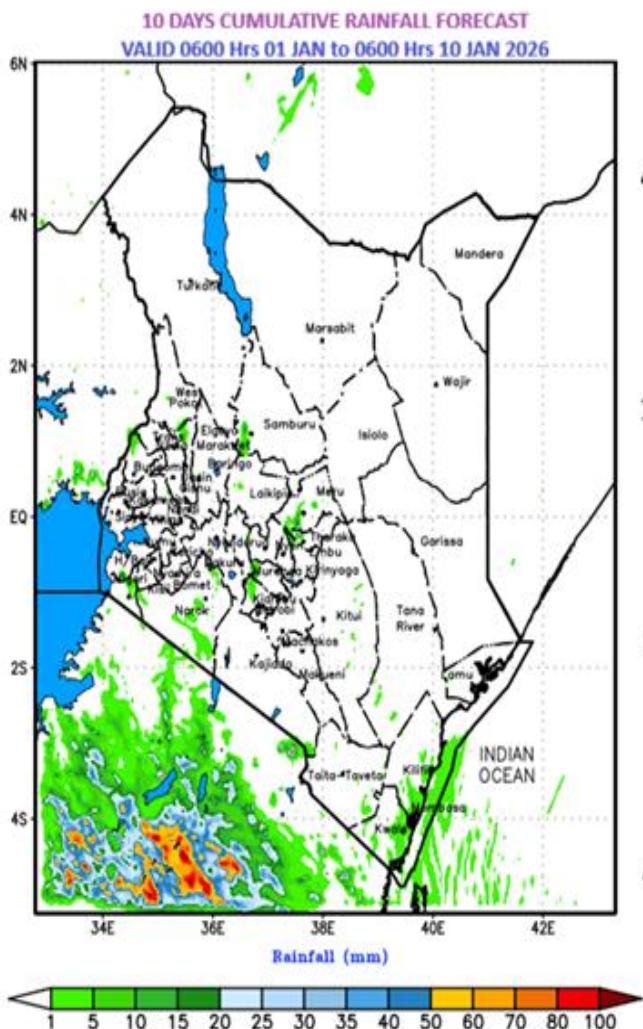


Fig 3.1

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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