



## KMD MONTHLY AGRO-METEOROLOGICAL BULLETIN



**MET/ 27/8 / (8)**

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### **FEBRUARY 2025 MONTHLY BULLETIN.**

South rift, central and Nairobi region received above normal rainfall while the rest of the country received below normal rainfall.

#### **1.0 HIGHLIGHTS**

- The country experienced predominantly sunny and dry conditions throughout the month.
- Only a few stations recorded rainfall, with most areas receiving below-normal precipitation.
- Warmer-than-usual temperatures were observed across the entire country.
- Due to persistent dry conditions and above-average temperatures, soil moisture levels remained low in most regions.

#### **2.0 WEATHER AND SOIL CONDITION ASSESMENT**

##### **2.1.0 Rainfall amounts**

Kisii station recorded the highest amount of rainfall of followed by Kericho and Kangema station in Central Kenya. Western, Nyanza,

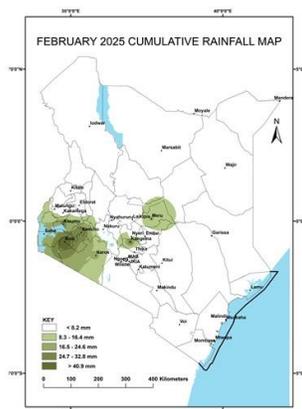


Fig 1.1

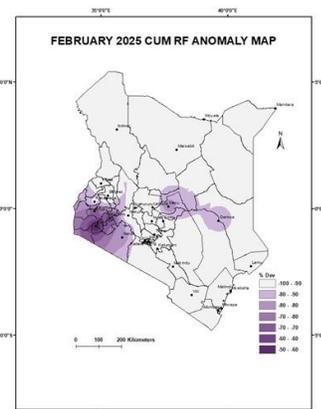


Fig 1.2

##### **2.1.1 Mean Temperature**

During the month of February temperatures were warmer than average. Higher temperatures were exhibited in the North Eastern, Northwestern and Coastal parts of the country. Mandera station recorded the highest mean temperature during the month of February 2025 while Nyahururu in Central

region recorded the lowest mean temperature during the same period.

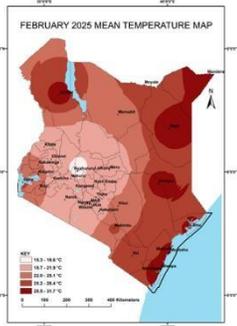


Fig 1.3

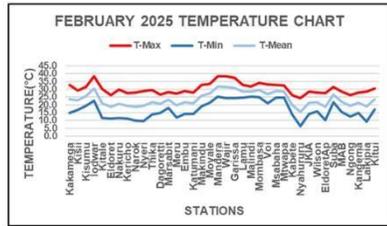


Fig 1.4

### 2.1.2 Soil Moisture

The Water Requirement Satisfaction Index (WRSI) during the month of February was below 30% in most parts of the country. Crops and pasture suffered significant water stress which led poor yields and crop failure. Figure 1.6 indicates the soil moisture anomaly in most parts of the country were drier than normal.

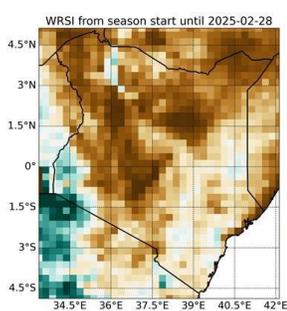


Fig 2.1

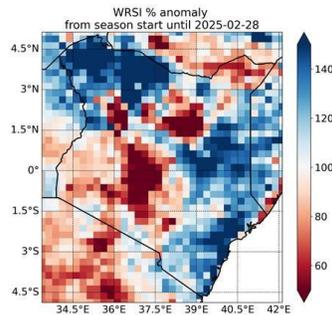


Fig 2.2

## 3.0 CROP REVIEW FOR FEBRUARY 2025

**3.10 Western & Nyanza Region:** Maize harvesting is ongoing in Western Kenya, while in Nyanza, the maize crop has reached maturity and is ready for harvesting. Land preparation for next season is on-going in both regions.

**3.11 Rift Valley Region:** Farmers in Kitale are preparing land for the next planting season. In Kericho, beans have been harvested, and maize has attained wax

ripeness stage. However, poor yields are expected due to insufficient rainfall.

**3.12 Central Region:** Maize was at wax ripeness stage and land preparation for next season is on-going.

**3.13 Eastern Region:** Maize attained the maturing stage, but due to the prevailing dry conditions, below-average yield is expected.

**3.14 Coastal Region:** Harvesting of maize and land preparation for next season is on-going.

**3.15 North Eastern Region:** Pasture and forage conditions are below average due to continued dryness and reduced soil moisture.

## 4.0 Expected Weather conditions during March 2025.

The forecast predicts near to above-average rainfall in most regions, including the Lake Victoria Basin, Rift Valley, and Nairobi. However, the Coastal region, as well as most of the Northeastern and Northwestern areas, are expected to receive near to below-average rainfall.

High mean temperatures experienced during February are expected to drop across the country.

Soil moisture levels will start improving in most areas due to onset of March – May 2025 long rain season.

March 2025 Rainfall Forecast

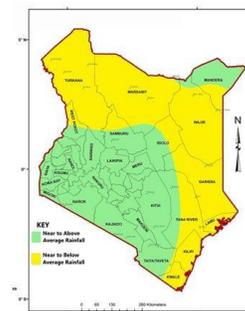


Fig 3.1

WRSI forecast for JFM2025 Issued 2025-03-01

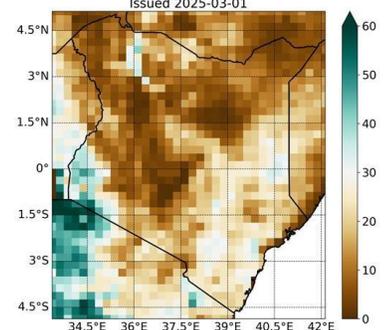


Fig 3.2

**4.2 March 2025 Outlook & Advisory** The anticipated onset of the March–May 2025 rainfall season is expected to support the start of planting activities.

Farmers are encouraged to use recommended seed varieties and inputs suited for this season. Soil moisture levels in rangelands and game parks are expected to improve, leading to better pasture and forage availability.

Pastoralists are advised to maintain conservative stocking rates until pasture and forage conditions improve.

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