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KMD MONTHLY AGRO-METEOROLOGICAL BULLETIN



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SEPTEMBER, 2025 MONTHLY BULLETIN.

1.0 HIGHLIGHTS

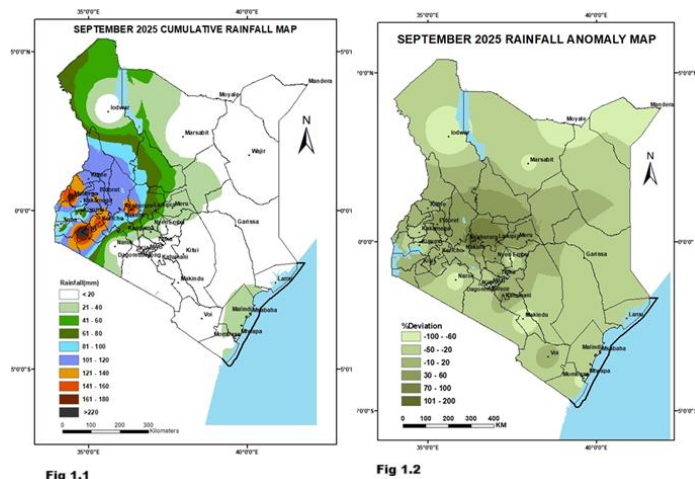
- During the month of September, the highlands west of Rift valley, the Lake Victoria basin, the Central Rift valley and most areas within Nyandarua received significant amount of rainfall. South Rift valley, Nairobi and Coastal regions had a few rainy days during the month. The rest of the country generally remained dry with isolated areas over northwest and south eastern lowlands receiving light to moderate rainfall for a few days.
- Mean temperatures were warmer than long term averages over most parts of the country except in pockets of western and Nyanza where maximum temperatures were cooler than long term averages.
- Soil moisture levels across several parts of the country particularly in Rift valley, Western, Nyanza and Central Kenya remained favorable for Crop growth,

Pasture regeneration and Natural vegetation. This was attributed to cumulative effects of the month under review and broken cloud cover over most parts of the country that reduced evapotranspiration.

2.0 WEATHER AND SOIL CONDITION ASSESMENT

2.1.0 Rainfall amounts

Kisii station in the Nyanza region recorded the highest amount of rainfall during the month followed by Matungu station in the Western region. Coastal and Northeastern regions received below average rainfall while pockets of Rift valley, Central and Nyanza regions received above average rainfall as indicated on the (**figure 1.2**) rainfall anomaly map



3.0 CROP REVIEW FOR SEPTEMBER 2025

3.10 Western & Nyanza Region: In Kisii, land preparation on going. In Kakamega maize and beans in germination stage.

3.11 Rift Valley Region: In Kitale maize harvesting ongoing. In Kericho, some farmers have planted while others still undertaking land preparations.

3.12 Central & Nairobi Region: In Thika and Nyeri land preparations ongoing. In Dagoretti land preparations ongoing. In Kabete, most farmers have harvested maize while others have started land preparations.

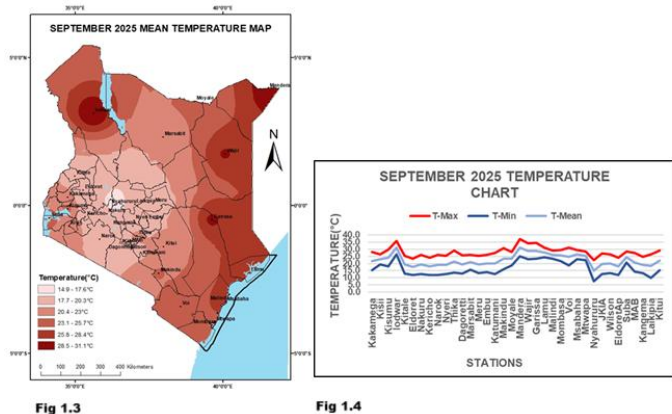
3.13 Eastern Region: In Meru, Embu and Katumani land preparations ongoing

3.14 Coastal Region: Maize harvesting completed while mangoes have attained flowering in Mtwapa. In Msabaha no farming activity on the farms.

3.15 North Eastern Region: Pasture and forage have continued to deteriorate owing to reduced rainfall and soil moisture levels.

2.1.1 Mean Temperature

During the month of September there was an overall increase of mean temperature over most regions of the country relative to the month of August. Higher temperatures were recorded in North Eastern, North Western and Coastal parts of the country. Mandera and Lodwar stations recorded the highest mean temperature while lowest mean temperature was recorded in Central region. Refer to (fig 1.3 and 1.4).



2.1.2 Soil Moisture

Soil moisture conditions are still favorable in several parts of the country as a result of cumulative rainfall received throughout the month under review supporting agricultural activities and pasture growth.

4.0 Expected Weather conditions during OCTOBER 2025.

Several regions of the of the country including highlands west of Rift valley, the

Lake Victoria basin, Central and south Rift valley and highlands east of Rift valley are likely to experience near to above average rainfall. South eastern low lands, southern coast, a few areas of highlands east of Rift valley and isolated areas of the Northeast are expected to receive near to below average rainfall. The rest of the Northeast and much of the coastal region are likely to experience below average rainfall.

The October 2025 outlook

Central region & Nairobi County.

The regions will experience occasional rainfall at the beginning of the month followed by a dry spell till the third to fourth week of October when onset is likely (**Fig 3.1**).

Rift valley, Nyanza and Western Region.

These regions are expected to continue experiencing rainfall continuing from September. Soil moisture levels are anticipated to remain sufficient for crop and pasture growth in these regions.

North Eastern and South Eastern regions.

In Northeastern occasional rainfall that does not meet the onset criteria may be experienced in October over few areas, the region does not have a defined onset date. Southeastern lowlands are likely to realize the onset during third to fourth week of November. Areas bordering Nairobi may receive occasional rainfall at the beginning of the month then followed by a dry spell. Soil moisture forecast indicates suppressed moisture levels in these regions indicating further deterioration in pasture and water availability.

Coastal Region – Onset in the region is expected during the third to fourth week of November. Occasional showers expected during the month. Soil moisture levels are depressed in the region.

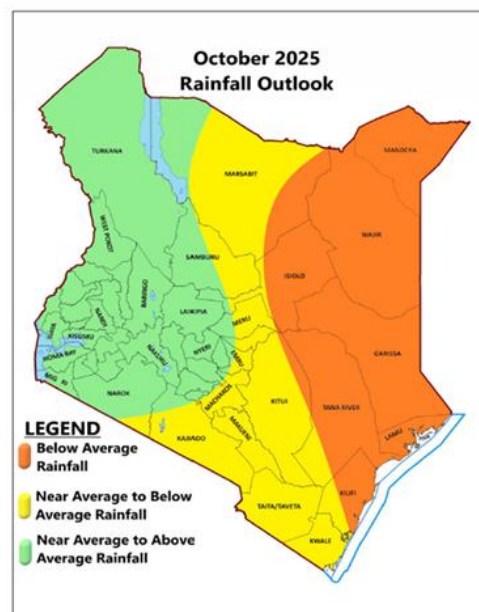


Fig 3.1

4.2 October 2025 Outlook & Advisory

October will continue to support agricultural activities in several regions of the country. Timely land preparations, Good crop and livestock management, timely harvesting and proper storage of the harvests and pasture conservation will be critical for food security as the conditions are anticipated to improve.

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For

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