



KMD 10 DAY AGROMETEOROLOGICAL BULLETIN



Ref: MET/8 /001 / 1 Issue No: 27/2025

Date: 02/10/2025

DEKAD 27 PERIOD: 21ST – 30TH
SEPTEMBER 2025.

1.0 HIGHLIGHTS

Precipitation: During the review period most of the regions across the country received below normal rainfall relative to the long-term climatological mean for the dekad. However, isolated pockets within the Rift valley, Central and Coastal regions registered above normal totals. Soil moisture levels exhibited a decline in much of the country.

Rainfall Extremes: Matungu station in Western region recorded the highest rainfall of 127.6mm followed by Kericho station in Rift Valley region with 66.4mm.

Soil Moisture: High potential agricultural zones particularly in Western, Central and Rift Valley regions generally sustained adequate soil moisture levels conducive to crop development and pasture growth.

Temperature Trends: A general increase in mean air temperature was observed across most regions of the country during the review period.

Evaporation: Total pan evaporation rates increased across several parts of the country, intensifying water stress and food insecurity, particularly in regions already vulnerable.

Forecast (Next 10 Days): Rainfall is expected across several parts of the highlands East and West of the Rift Valley, the Lake Victoria Basin, and North Western Kenya.

Wind Conditions: Strong southerly to south-easterly winds with speeds exceeding 25 knots (12.86 m/s) are expected over the Coast (and Kenya's territorial waters), the South-eastern lowlands, North-eastern and North western Kenya.

2.0 REGIONAL WEATHER AND AGRICULTURAL CONDITIONS

2.1 Western and Nyanza Regions

Most stations in these regions experienced below normal rainfall compared to the Long-Term Mean for the dekad

Kakamega: Recorded rainfall of 52.9mm. Mean air temperature slightly increased to 22.0°C. Maize and beans in germination stage. There was a slight decrease in the amount of rainfall.

Kisii: Received 27.2mm of rainfall, below LTM of 58.8mm. Temperature increased to 26.8°C. Land preparations ongoing.

General Outlook: Reduced rainfall amounts in the region are conducive for such agricultural activities as weeding.

2.2 Rift Valley Region

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

Kericho: Recorded 66.4mm of rainfall; temperature increased from 17.8°C to 18.2°C. Some farmers have planted while others are still undertaking land preparations.

Kitale: Recorded 20.4 mm of rainfall; mean air temperature slightly increased to 19.6°C. Maize harvesting ongoing though there is much rainfall.

Eldoret: Recorded rainfall amount of 30.4mm; mean temperature increased to 18.1°C.

General Outlook: Weather conditions are favorable for agricultural activities in the region

2.3 Central and Nairobi Regions

Most stations within the regions recorded below-normal rainfall compared to the Long-Term Average, except for Nyeri and Nyahururu stations that recorded above normal rainfall.

Thika: Recorded 12.9mm of rainfall; mean air temperature slightly increased from 21.6°C to 21.7°C. Land preparations ongoing.

Dagoretti: Recorded 5.9mm of rainfall; mean air temperature slightly increased to 19.7°C. Land preparation is ongoing.

Kabete: Recorded 11.9 mm of rainfall; Most farmers have harvested their maize crop and a few others have started land preparations.

Nyeri: Received rainfall of 1.5mm; mean air temperature increased to 19.5°C. Maize harvesting is almost complete and some farmers have begun land preparations.

General Outlook: Prevailing conditions have generally supported ongoing agricultural activities like harvesting of maize crop.

2.4 Eastern Region

Most stations reported below-average rainfall in the region except Meru station that recorded

above normal. Scattered cloud cover dominated during the dekad.

Meru: Recorded 0.0mm of rainfall, mean temperature decreased to 19.4°C. Land preparations ongoing for the OND season.

Embu: Received 0.7mm of rainfall; temperature slightly decreased to 19.7°C. Land preparations ongoing

Katumani: Recorded 6.3mm of rainfall; the mean air temperature slightly increased to 20.7°C. Land preparations ongoing.

2.5 Coastal Region

Most stations in the region recorded below normal rainfall as compared to the LTM.

Soil moisture levels are favorable for agricultural activities ongoing in the region.

Mtwapa: Received 1.8mm of rainfall; mean temperature decreased to 24.2°C. Maize harvesting has been completed.

Msabaha: Rainfall at 11.8 mm below its Long-Term Mean; mean air temperature slightly increased to 26.5°C. Maize was harvested and kept for drying.

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 29.1°C in Garissa to 31.4°C in Mandera.

Soil moisture levels decreased further and this calls for preservation of pasture in the region for the dry season.

Scattered cloud cover dominated the region.

3.0 DEKAD 27 SEPTEMBER 2025 RAINFALL, TEMPERATURE & WRSI MAPS / CHARTS

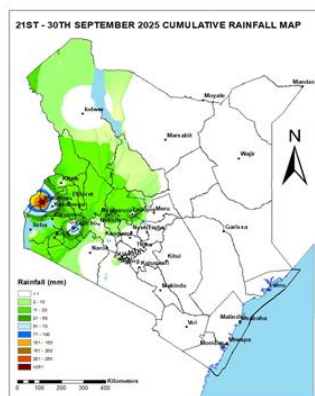


Fig 3.1



Fig 3.2

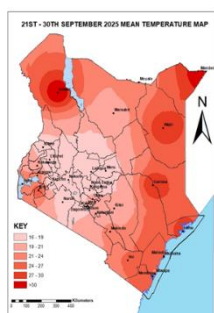


Fig 3.3

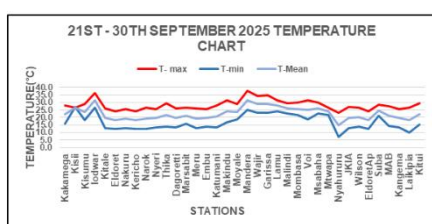


Fig 3.4

4.0 EXPECTED WEATHER, SOIL AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS 1ST – 10TH OCTOBER 2025.

Western, Nyanza, and South Rift Valley

Expected Conditions: The regions are expected to experience above-normal to normal rainfall. As a result, soil moisture levels are likely to increase, supporting crop development and pasture growth.

Central Region & Nairobi

Expected Conditions: The region is expected to experience above-normal to normal rainfall.

Impact: Soil moisture levels are likely to increase, supporting crop development and pasture growth.

North Western Region

Expected Conditions: The region is expected to receive normal rainfall.

Impact: Pastoralists are advised to use water resources sparingly and enhance range land

and pasture management to cushion against possible dry conditions.

North Eastern Region

Expected Conditions: Expected to remain mostly dry, with below-normal rainfall forecast across most areas.

Impact: Farmers should prioritize water conservation; Livestock owners are encouraged to plan for supplementary feeding and sustainable grazing to reduce losses.

South-Eastern Lowlands

Expected Conditions: The region is expected to receive below-normal rainfall.

Impact: Farmers are advised to conserve available soil moisture through practices such as mulching and water harvesting. Pastoralists should strategically manage grazing areas to sustain livestock feed.

Coastal Counties

Expected Conditions: The region is expected to experience normal to below-normal rainfall.

Impact: These conditions are likely to sustain soil moisture levels, supporting crop growth and pasture regeneration in the region.

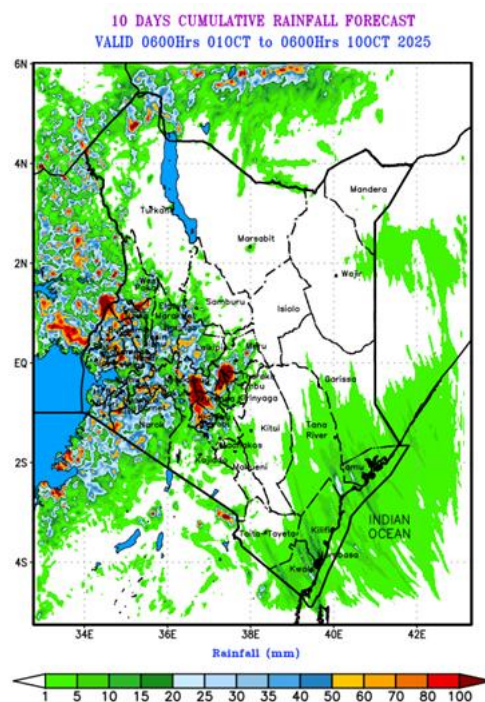


Fig 3.5

4.1 AGRO-ADVISORY FOR FARMERS AND PASTORALISTS.

Farmers:

- ❖ In areas where crops are ready (especially beans and maize), timely harvesting is recommended to avoid losses from pod shattering, rotting, or pest infestation.
- ❖ Farmers should do early land preparations ahead of the rainy season to optimize soil conditions for better germination and healthy crop growth.
- ❖ Farmers should remain vigilant for outbreaks of pests such as fall army-worm, locusts, and stalk borers, and take prompt control measures where necessary.

Pastoralists:

Pastoralists are encouraged to conserve available pasture and explore supplementary feeding options to safeguard livestock productivity.

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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