



KMD 10 DAY AGROMETEOROLOGICAL BULLETIN



Ref: MET/8 /001 / 1 Issue No: 26/2025

Date: 22/09/2025

DEKAD 26 PERIOD: 11TH – 20TH
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: Kericho station in Rift Valley region recorded the highest rainfall of 58.0mm, followed by Eldoret Airport in the same region with 49.8 mm.

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): Most parts of the country are likely to be sunny and dry. However, rainfall is expected in some parts of the highlands East and West of the Rift Valley, the Lake Victoria Basin, the Rift valley 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 23.4mm. Mean air temperature slightly decreased to 21.6°C. Land preparation is ongoing.

Kisii: Received 45.4 mm of rainfall, below LTM of 61.9mm. Temperature decreased to 21.1°C. Land preparations ongoing.

General Outlook: Reduced rainfall amounts are conducive for agricultural activities in the region, particularly harvesting and land preparations.

2.2 Rift Valley Region

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

Kericho: Recorded 58.0mm of rainfall; temperature decreased from 18.1°C to 17.8°C. Maize harvesting ongoing while some farmers have started land preparations.

Kitale: Recorded 36.4 mm of rainfall; mean air temperature slightly decreased to 18.9°C. Maize harvesting ongoing though there is much rainfall.

Eldoret: Recorded rainfall amount of 19.2 mm; mean temperature remained unchanged at 17.5°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 nil rainfall; mean air temperature slightly increased from 20.6°C to 21.6°C. Land preparations ongoing.

Dagoretti: Remained dry during the dekad; mean air temperature slightly increased to 19.6°C. Maize harvesting is ongoing.

Kabete: Recorded 1.5 mm of rainfall; Most farmers have harvested their maize crop and a few others have started land preparations.

Nyeri: Received rainfall of 28.9 mm; mean air temperature increased to 18.7°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 19.2mm of rainfall, mean temperature increased to 19.6°C. Land preparations ongoing.

Embu: Received 3.8 mm of rainfall; temperature slightly increased to 20.8°C. Land preparations ongoing

Katamani: No rainfall was recorded in this station; the mean air temperature slightly increased from 19.1°C to 20.6°C. Land preparations ongoing.

2.5 Coastal Region

Most stations in the region recorded below normal rainfall as compared to the LTM except for Mtwapa and Voi stations that recorded above normal rainfall.

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

Mtwapa: Received 32.3 mm of rainfall which was above its Long-Term Average; mean temperature increased to 26.2°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 harvesting has been completed.

2.6 North Eastern Region

Most Stations in the region reported below-normal rainfall during the review period except Garissa which recorded rainfall above the long term average

The region experienced a slight increase in mean air temperatures ranging between 29.0°C in Garissa to 31.3°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 26 SEPTEMBER 2025

RAINFALL, TEMPERATURE & WRSI MAPS / CHARTS

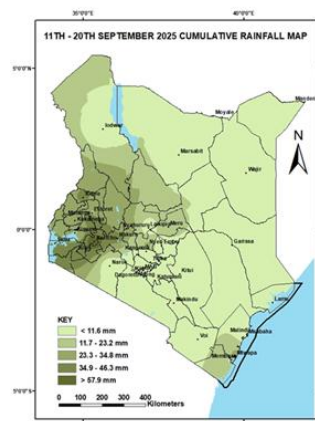


Fig 3.1

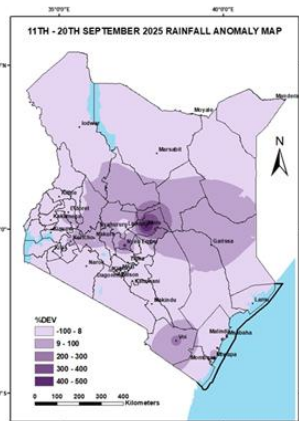


Fig. 3.2

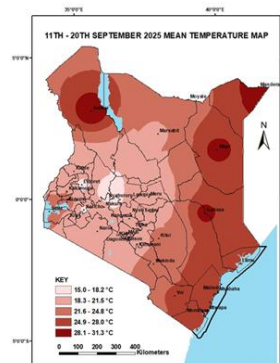


Fig. 3.3

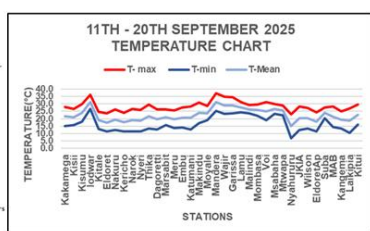


Fig 3.4

4.0 EXPECTED WEATHER, SOIL AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS 21ST – 30TH SEPTEMBER 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 normal to below-normal rainfall.

Impact: Farmers are advised to adopt soil and water conservation practices such as mulching, terracing, and water harvesting to maximize the available soil moisture for crops and reduce the risk of moisture stress.

North Western Region

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

advice and updates. Use early warning platforms and weather apps where available

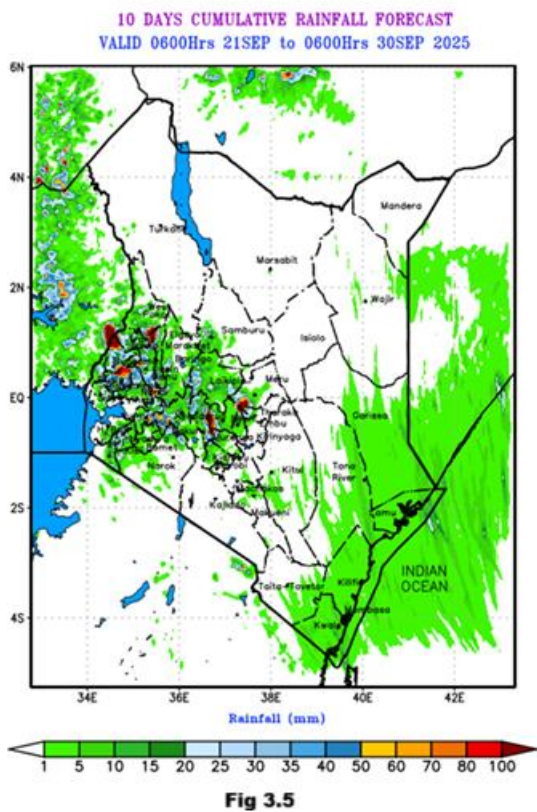


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4.1 AGRO-ADVISORY FOR FARMERS AND PASTORALISTS.

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