



KMD 10 DAY AGROMETEOROLOGICAL BULLETIN



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**DEKAD 25 PERIOD: 1ST – 10TH
SEPTEMBER 2025.**

1.0 HIGHLIGHTS

Precipitation: Most regions across the country experienced below-normal rainfall relative to the long-term average for this period. However, some localized areas and parts of the Western region recorded above-normal rainfall compared to the long-term mean for the dekad under review. Soil moisture levels declined significantly across much of the country.

Rainfall Extremes: Kisii station in Nyanza region recorded the highest rainfall of 146.9mm, followed by Nyahururu in central region with 90.6mm.

Soil Moisture: Most high-potential agricultural zones (Western, Central, and Rift Valley) maintained favorable soil moisture conditions, supporting crop development and pasture growth. (Fig 3.3)

Temperature Trends: An overall rise in mean air temperature was observed across most parts of the country.

Evaporation: Total pan evaporation increased significantly across several parts of the country. This has increased water stress, and food insecurity, particularly in already vulnerable areas.

Forecast (Next 10 Days): Sunny and dry conditions are expected across most parts of the country. However, rainfall is expected in some parts of the highlands East and West of the Rift Valley, the Lake Victoria Basin and the Rift valley.

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

Several stations in these regions experienced below normal rainfall compared to the Long-Term Mean for the dekad except Kisii station that recorded above normal.

Kakamega: Recorded rainfall of 29.4mm. Mean air temperature slightly increased to 21.8°C. Land preparation is ongoing.

Kisii: Received 146.9 mm of rainfall, above LTM of 61.5mm. Temperature increased to 21.2°C. Maize harvesting is complete.

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

2.2 Rift Valley Region

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

Kericho: Recorded 47.1mm of rainfall; temperature increased from 17.1°C to 18.1°C. Land preparation is ongoing.

Kitale: Recorded 73.2 mm of rainfall; mean air temperature slightly increased to 19.3°C. Maize crop has attained maturity.

Eldoret: Recorded rainfall amount of 55.9 mm; mean temperature increased to 17.5°C.

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

2.3 Central and Nairobi Regions

All stations within the regions recorded below-normal rainfall compared to the Long-Term Average.

Thika: Recorded rainfall amount of 3.2mm; mean air temperature slightly increased from 19.7°C to 20.6°C. Maize harvesting is complete.

Dagoretti: Received rainfall amount of 0.4mm; mean air temperature slightly increased to 18.9°C. Maize harvesting is ongoing.

Kabete: No rainfall recorded in this station; Maize harvesting has started.

Nyeri: Received rainfall of 2.2 mm; mean air temperature increased to 18.6°C. Maize harvesting is ongoing.

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 with scattered cloud cover dominating during the dekad.

Meru: Recorded 4.8mm of rainfall, mean temperature increased to 18.8°C. Land preparations ongoing.

Embu: Received 0.7 mm of rainfall; temperature slightly increased to 19.7°C. Most farmers have harvested their maize crop.

Katamani: No rainfall was recorded in this station; the mean air temperature slightly increased from 17.5°C to 19.1°C. Land preparations ongoing.

2.5 Coastal Region

All the stations in the region recorded below normal rainfall as compared to the LTM except for Malindi station that recorded above normal rainfall.

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

Mtwapa: Received 7.0 mm of rainfall which was below its Long-Term Average; mean temperature increased to 25.5°C. Maize harvesting is ongoing.

Msabaha: Rainfall at 1.8 mm below its Long-Term Mean; mean air temperature slightly increased to 26.3°C. Maize harvesting is going on.

2.6 North Eastern Region

The region reported below-normal rainfall during the review period.

The region experienced a slight increase in mean air temperatures ranging between 28.0°C in Wajir to 30.7°C in Mandera.

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

Broken cloud cover dominated the region.

3.0 DEKAD 25 SEPTEMBER 2025 RAINFALL, TEMPERATURE & WRSI MAPS / CHARTS



Fig 3.1

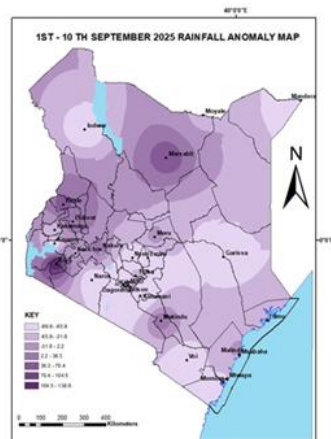


Fig 3.2

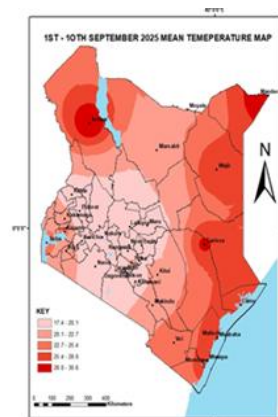


Fig 3.3

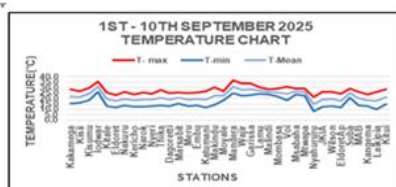


Fig 3.4

4.0 EXPECTED WEATHER, SOIL AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS 11TH – 20TH 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 to 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 above-normal rainfall.

Impact: These conditions are likely to enhance soil moisture levels, supporting crop growth and pasture regeneration.

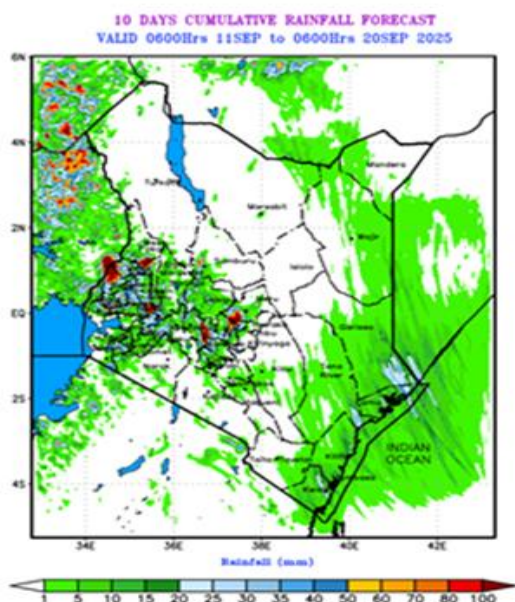


Fig 3.5

For: Director Meteorological Services

For inquiries or any clarification, please use the email below

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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 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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