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KMD 10 DAY AGROMETEOROLOGICAL BULLETIN



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DEKAD 29 PERIOD: 11TH – 20TH OCTOBER 2025.

1.0 HIGHLIGHTS

Precipitation: Several regions across the country received below normal rainfall relative to the long-term mean for the dekad under review. However, some parts of western, Nyanza and Rift valley received above normal rainfall.

Rainfall Extremes: Eldoret station in Rift valley region recorded the highest rainfall of 62.7mm followed by Kisii station in the Nyanza region with 57.0mm.

Soil Moisture Western, Central and Rift Valley regions registered adequate soil moisture levels conducive to crop development and pasture growth. There was soil moisture decline in Coastal, Eastern and parts of Northeastern region.

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.

Forecast (Next 10 Days): Rainfall is expected across several parts of the country: the Lake Victoria Basin, Western, central, southeastern lowlands, the Rift valley and some parts of Coastal region.

Wind Conditions: Strong southerly to southeasterly 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

Kakamega station received rainfall above normal while Kisii received rainfall below normal compared to LTM rainfall during the dekad.

Kakamega: Recorded rainfall of 53.0mm. Mean air temperature slightly increased to 21.8°C. Maize and beans have germinated and weeding is ongoing. There was an increase in the amount of rainfall.

Kisii: Received 57.0mm of rainfall, below LTM of 65.1mm. Temperature increased to 21.0°C. Cultivation is ongoing.

General Outlook: Rainfall amounts in the region are conducive for agricultural activities.

2.2 Rift Valley Region

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

Kericho: Recorded 44.7mm of rainfall; temperature decreased from 17.5°C to 17.2°C. Some farmers have planted while others are still doing land preparations.

Kitale: Recorded 52.9 mm of rainfall, above LTM of 42.5mm; mean air temperature slightly increased to 19.7°C. Maize harvesting ongoing though there is much rainfall.

Eldoret: Recorded rainfall amount of 62.7mm; mean temperature slightly decreased to 17.1°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.

Thika: Recorded 0.0mm of rainfall; mean air temperature slightly increased to 22.2°C. Land preparations ongoing.

Dagoretti: Recorded 0.0mm of rainfall; mean air temperature slightly increased to 20.0°C. Land preparation is ongoing.

Kabete: Recorded 1.0 mm of rainfall; Farmers are waiting for rains to start planting.

Nyeri: Received rainfall of 2.6mm; mean air temperature slightly increased to 19.8°C. Land preparations ongoing awaiting onset of rainfall.

General Outlook: Prevailing conditions have generally supported ongoing agricultural activities in the regions.

2.4 Eastern Region

Most stations reported below-average rainfall in the region. Scattered cloud cover dominated during the dekad.

Meru: Recorded 5.8mm of rainfall, mean temperature slightly increased to 20.3°C. Planting is underway.

Embu: Received 2.8mm of rainfall; temperature increased to 21.9°C. Land preparations ongoing

Katumani: Recorded 0.0mm of rainfall; the mean air temperature slightly decreased to 20.5°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 depressed in most parts the region owing to little rainfall.

Mtwapa: Received 7.2mm of rainfall; mean temperature slightly increased to 26.8°C. Land preparations ongoing

Msabaha: Rainfall at 3.9 mm below its Long-term Mean; mean air temperature slightly increased to 27.3°C. No activities on the farms.

2.6 North Eastern Region

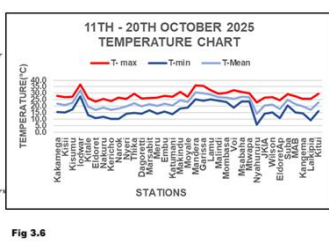
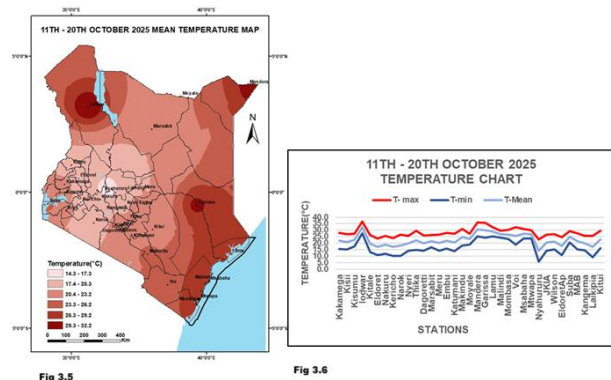
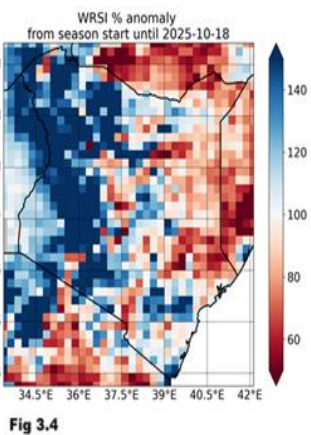
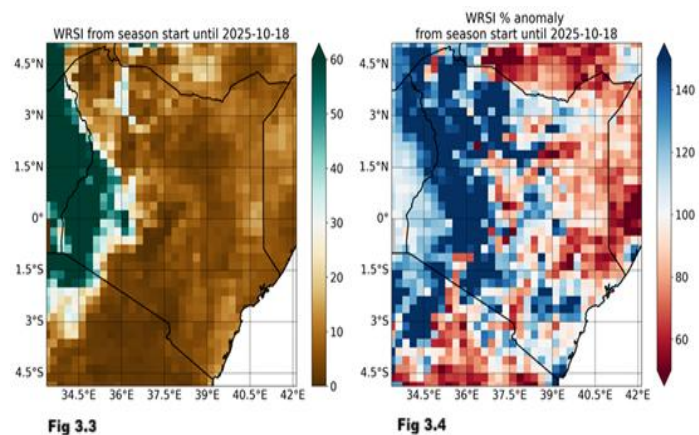
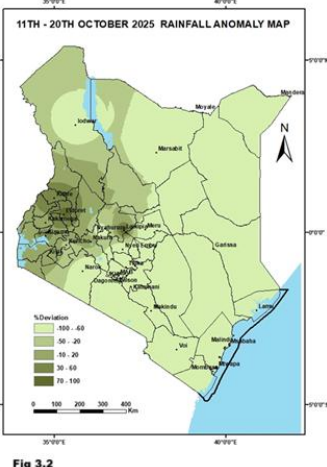
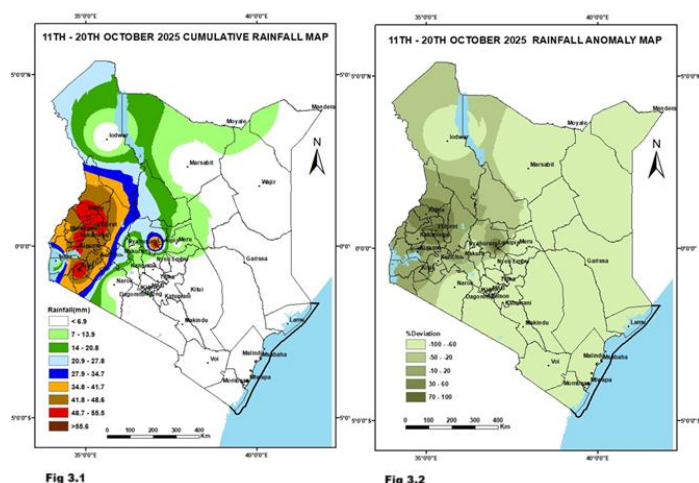
Most Stations in the region reported below normal rainfall during the review period.

The region experienced a slight increase in mean air temperatures ranging between 30.0°C in Garissa to 30.7°C in Mandera.

Soil moisture levels decreased further but it is anticipated to improve in some areas as forecast indicates some rainfall in the next ten days.

Scattered cloud cover dominated the region.

3.0 DEKAD 29 OCTOBER, 2025 RAINFALL, TEMPERATURE & WRSI MAPS / CHARTS



4.0 EXPECTED WEATHER, SOIL AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS 21ST – 31ST OCTOBER 2025.

Western, Nyanza, and Rift Valley

Expected Conditions: The regions are expected to experience normal to above normal

rainfall. As a result, soil moisture levels are likely to increase, supporting agricultural activities and pasture growth. (Fig 3.8)

Central Region & Nairobi

Expected Conditions: The region is expected to experience normal to above-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 to below normal rainfall during the forecast period.

Impact: Pastoralists are advised to use water resources sparingly and enhance pasture management.

North Eastern Region

Expected Conditions: The region is expected to receive normal to below normal rainfall during the forecast period.

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 normal to below normal rainfall.

Impact: Farmers are advised to apply soil moisture conservation 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.

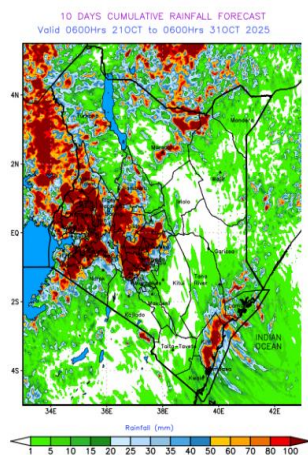


Fig 3.7

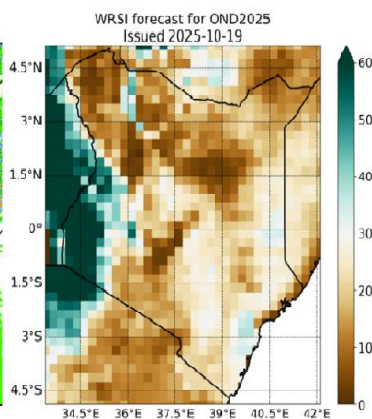


Fig 3.8

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.
- ❖ Farmers are advised to practice crop rotation and intercropping (e.g., maize with legumes) to improve soil fertility and reduce pest and disease buildup.
- ❖ Farmers are advised to use improved, shorter-maturing seed varieties in areas where rainfall performance will not be good.

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

Mary Githinji

For: Director Meteorological Services

For inquiries or any clarification, please use the email below

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