



KMD 10 DAY AGROMETEOROLOGICAL BULLETIN



Ref: MET/8 /001 / 1 Issue No: 21/2025

Date: 01/08/2025

DEKAD 21 PERIOD: 21ST – 31ST JULY 2025.

1.0 HIGHLIGHTS

Precipitation: Most of the regions in the country experienced below normal rainfall compared to the long-term average for the period under review, implying a period of depressed rainfall activity.

Rainfall Extremes: Kitale station in Rift valley region recorded the highest rainfall of 131.8mm, followed by Eldoret Airport in the same region with 93.9mm.

Soil Moisture: Soil moisture conditions remained generally adequate across the country, particularly in Nyanza, Rift Valley, Western, Central, Nairobi, and Coastal regions. These conditions continued to support ongoing crop and pasture development. (Fig 3.3)

Temperature Trends: An increase in mean air temperatures was recorded in Western, Nyanza and Rift valley regions while the rest of the country experienced low temperatures compared to the previous dekad.

Evaporation: Total pan evaporation slightly increased across several parts of the country, reflecting higher water loss from the surfaces.

Forecast (Next 10 Days): Rainfall is expected in a few areas in the highlands both east and west of the Rift valley, the Coast and the North western Kenya. These conditions are expected to further support crop and pasture growth.

Wind Conditions: Strong southerly to southeasterly winds, exceeding 25 knots (12.86 m/s), are expected over the Coast, Southeastern Lowlands, Northeastern, and Northwestern regions of the country.

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.

Kakamega: Recorded rainfall of 44.6mm. Mean air temperature slightly increased to 21.6°C. Most farmers have started harvesting maize.

Kisii: Received 49.1 mm of rainfall, above LTM. Temperature increased to 20.7°C. Maize crop has attained maturity and doing well.

General Outlook: Sufficient soil moisture state have created favorable conditions for crop and pasture growth.

2.2 Rift Valley Region

Most stations in the region reported below normal rainfall.

Kericho: Recorded 20.9mm of rainfall; temperature slightly increased from 17.0°C to 17.9°C. Maize is being harvested.

Kitale: Recorded 131.8 mm of rainfall; mean air temperature slightly increased from 18.9°C to 19.2°C. Maize crop is at wax ripeness.

Eldoret: Recorded rainfall amount of 72.3 mm; mean temperature increased to 17.7°C.

General Outlook: Suitable weather conditions have positively impacted agricultural activities across the region.

2.3 Central and Nairobi Regions

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

Thika: Remained dry during the dekad; mean air temperature slightly decreased from 20.4°C to 19.1°C. Maize crop has attained full maturity and Beans harvesting have been completed.

Dagoretti: The station recorded nil rainfall; mean air temperature slightly increased to 18.2°C. Maize crop planted earlier have attained full maturity.

Kabete: Recorded nil rainfall; maize is at early maturity stage.

Nyeri: Received rainfall of 0.5 mm; mean air temperature slightly decreased to 17.0°C. Maize crop is at wax ripeness stage approaching full ripeness while beans harvesting is ongoing.

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

2.4 Eastern Region

Most stations reported below-average rainfall in the region with scattered cloud cover dominating during the dekad.

Meru: Recorded nil rainfall, temperature decreased from 18.4°C to 17.6°C.

Maize crop has failed.

Embu: Received 4.8 mm of rainfall; temperature slightly decreased to 17.9°C. Maize at early maturity stage.

Katumani: The station did not record any rainfall during the dekad; the mean air temperature decreased from 18.4°C to 17.0°C

Maize crop is being harvested with below normal yield experienced.

2.5 Coastal Region

All the stations in the region recorded below normal rainfall as compared to the LTM except for Malindi and Lamu.

Soil moisture levels are still conducive for crop development and pasture growth in the region.

Mtwapa: Received 6.0 mm of rainfall which was below its Long-Term mean; temperature decreased to 25.4°C. Maize crop has attained full maturity.

Msabaha: Rainfall at 25.7 mm below its Long-Term Mean; mean air temperature slightly decreased to 25.6°C. Maize crop has attained maturity.

2.6 North Eastern Region

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

The region experienced a slight decrease in mean air temperatures ranging between 27.2°C in Garissa to 28.5°C in Mandera.

Soil moisture levels slightly support pasture growth in the region.

Broken cloud cover dominated the region.

3.0 DEKAD 21 JULY 2025 RAINFALL, TEMPERATURE & WRSI MAPS / CHARTS

STATION	Cumulative RF from the beginning of JJA	Maximum Consecutive Wet days during Dekad	Maximum Consecutive dry days during Dekad	Number of rainy days during Dekad
Kakamega	622.11	3	6	2
Kisii	359.15	3	6	4
Kitale	444.46	4	1	7
Kericho	362.49	2	4	2
Nyeri	32.45	0	7	0
Thika	12.72	0	11	0
Dagoretti	62.99	0	11	0
Meru	13.88	0	11	0
Embu	56.13	1	5	0
Katumani	1.9	0	11	0
Msabaha	266.98	3	2	3
Mtwapa	231.13	2	4	0
Kabete	66.55	0	11	0

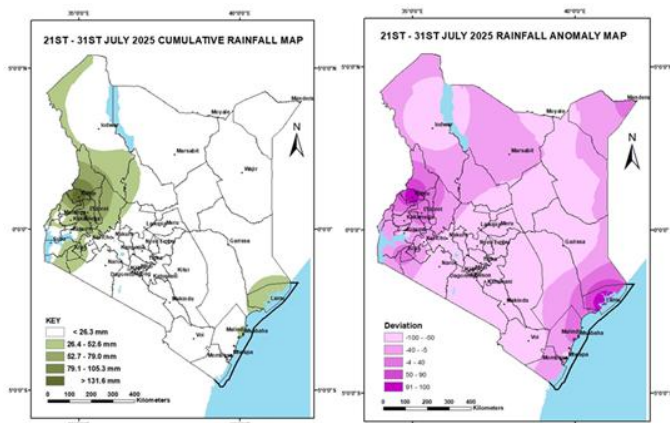


Fig 3.1

Fig 3.2

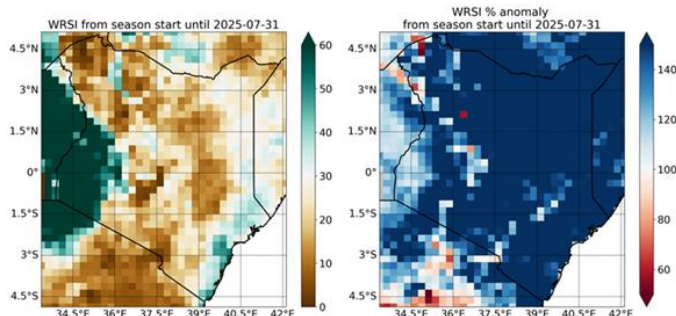


Fig 3.3

Fig 3.4

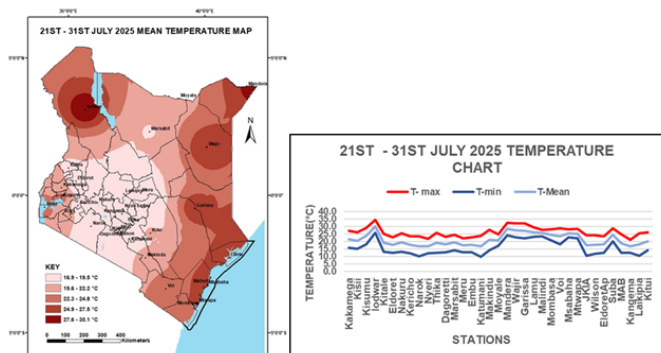


Fig 3.5

Fig 3.6

4.0 EXPECTED WEATHER, SOIL AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS 1st – 10th August 2025.

Western, Nyanza, and South Rift Valley

Expected Conditions: The regions are expected to experience below normal to normal rainfall.

These conditions are favorable for agricultural activities and pasture growth.

Central Region & Nairobi

Expected Conditions: Cold and cloudy conditions are likely to occur over these regions with light rains or drizzles.

Impact: Favorable for agricultural activities.

North Western Region

Expected Conditions: Below normal to normal rainfall is expected over a few places in the region.

Impact: The expected rains will help in pasture regeneration in the region.

North Eastern Region

Expected Conditions: Expected to experience below normal rainfall during the period.

Impact: The hot and dry conditions may lead to increased water stress for both human and livestock populations, Livestock keepers are advised to monitor grazing areas as pasture and water resources may deteriorate.

South-Eastern Lowlands

Expected Conditions: Generally dry conditions over most areas, however isolated light showers may occur in a few areas.

Impact: Dry conditions may slow pasture growth in marginal areas and increase water stress for communities and livestock.

Coastal Counties

Expected Conditions: Below normal to normal rainfall is expected in the region.

Impact: Conditions are generally favorable for coastal agriculture, including coconut, cassava, and horticultural crops.

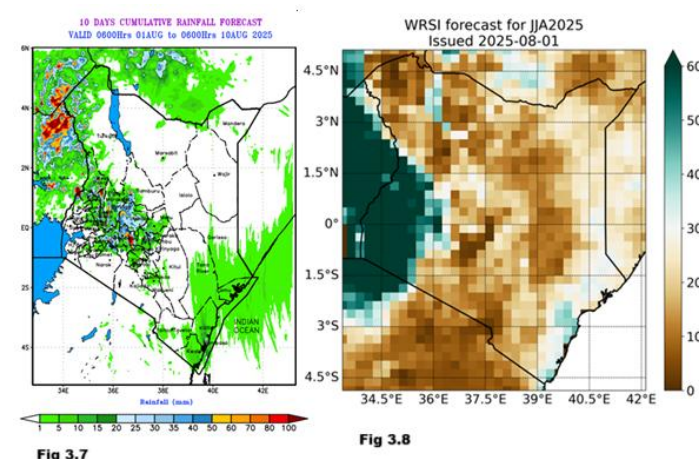


Fig 3.7

Fig 3.8

4.1 AGRO-ADVISORY FOR FARMERS AND PASTORALISTS.

Farmers:

Adopt sound crop management practices, including appropriate, pest control, and timely harvesting.

Farmers harvesting beans should do so when most pods have turned yellow to brown and are starting to dry. Avoid late harvesting which can lead to pod shattering.

Farmers harvesting maize should ensure the crop is fully matured, avoid early harvesting as it leads to high moisture content and increased risk of rotting.

Pastoralists:

Practice sustainable grazing to maintain pasture health and prevent land degradation.

Avoid overgrazing by managing livestock movement and using rotational grazing systems where feasible.

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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