



## KMD 10 DAY AGROMETEOROLOGICAL BULLETIN



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**DEKAD 24 PERIOD: 21ST – 31ST AUGUST 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 Coastal region recorded above-normal rainfall compared to the long-term mean for the dekad under review. Most parts of the country will face reduced soil moisture, water stress and declining pasture.

**Rainfall Extremes:** Eldoret station in Rift valley region recorded the highest rainfall of 60.0mm, followed by Kitale in the same region with 51.2mm.

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

**Temperature Trends:** An increase in mean air temperature was experienced in most parts of the country.

**Evaporation:** Total pan evaporation increased significantly across several parts of the country. This increases agricultural risks, water stress, and food insecurity, especially in already vulnerable regions.

**Forecast (Next 10 Days):** Rainfall is likely to persist over the Highlands East and West of the Rift Valley, the Lake Victoria Basin, and parts of the Rift Valley and the Coastal region. These rains are anticipated to further support crop and pasture growth, particularly in areas where soil moisture is already favorable.

**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.

**Kakamega:** Recorded rainfall of 27.5mm. Mean air temperature slightly increased to 21.5°C. Land preparation is ongoing.

**Kisii:** Received 33.5 mm of rainfall, above LTM of 69.7mm. Temperature increased to 20.1°C. Maize harvesting is complete.

**General Outlook:** decrease in rainfall amounts is favorable for agricultural activities in the region which is harvesting and land preparation.

## 2.2 Rift Valley Region

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

**Kericho:** Recorded 36.6mm of rainfall; temperature decreased from 17.5°C to 17.1°C. Maize harvesting is complete.

**Kitale:** Recorded 51.2 mm of rainfall; mean air temperature increased to 19.0°C. Maize crop has done well.

**Eldoret:** Recorded rainfall amount of 60.6 mm; mean temperature increased to 16.8°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:** No rainfall recorded at this station; mean air temperature slightly increased from 18.7°C to 19.7°C. Maize harvesting is almost complete.

**Dagoretti:** No rainfall received in this station; mean air temperature slightly increased to 17.9°C. Maize harvesting has started.

**Kabete:** No rainfall recorded in this station; maize crop is ready for harvesting.

**Nyeri:** Received rainfall of 2.9 mm; mean air temperature increased to 17.5°C. Maize crop is ready for harvesting.

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

## 2.4 Eastern Region

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

**Meru:** Recorded 4.0mm of rainfall, mean temperature decreased to 17.0°C.

**Embu:** Received 7.9 mm of rainfall; temperature slightly increased to 18.5°C. Most farmers have harvested their maize crop.

**Katumani:** No rainfall was recorded in this station; the mean air temperature slightly increased from 17.4°C to 17.5°C

## 2.5 Coastal Region

All the stations in the region recorded above normal rainfall as compared to the LTM.

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

**Mtwapa:** Received 4.3 mm of rainfall which was below its Long-Term mean; temperature remained at 25.4°C. Maize harvesting is ongoing.

**Msabaha:** Rainfall at 24.1 mm above its Long-Term Mean; mean air temperature slightly increased to 25.9°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 27.7°C in Wajir to 29.8°C in Mandera.

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

Broken cloud cover dominated the region.

## 3.0 DEKAD 24 AUGUST 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	767.21	5	1	2
Kisii	484.76	3	2	3
Kitale	615.59	0	6	0
Kericho	516.81	3	2	4
Nyeri	97.78	1	6	0
Thika	32.14	0	11	0
Dagoretti	117.32	0	5	0
Meru	47.21	1	4	0
Embu	104.94	1	4	1
Katumani	8.51	0	11	0
Msabaha	326.89	4	2	2
Mtwapa	249.63	1	3	0
Kabete	117.45	0	11	0

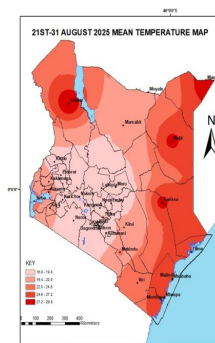


Fig 3.5

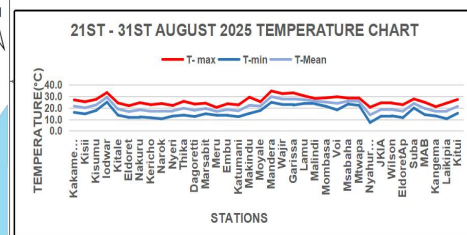


Fig 3.6

## 4.0 EXPECTED WEATHER, SOIL AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS 1<sup>ST</sup> – 10<sup>TH</sup> 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.

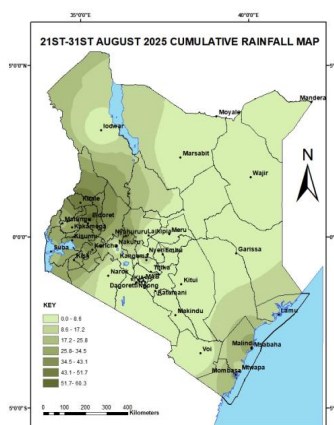


Fig 3.1

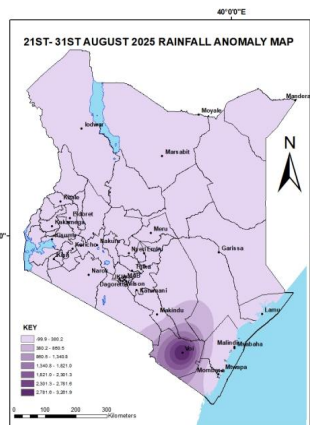


Fig 3.2

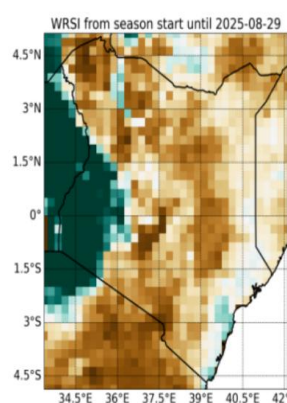


Fig 3.3

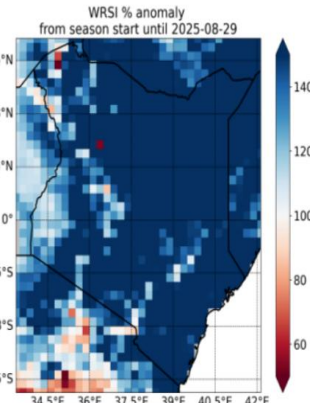


Fig 3.4

## South-Eastern Lowlands

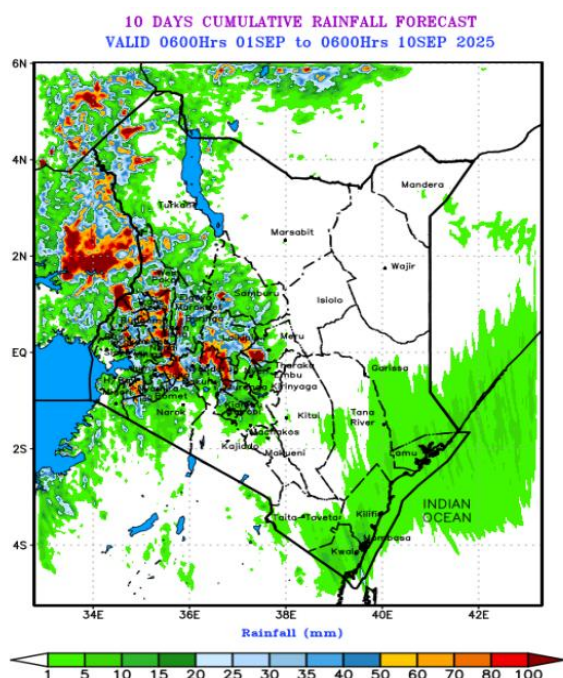
**Expected Conditions:** The region is expected to experience below-normal to normal rainfall.

**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.



## 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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## 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.