



KMD 10 DAY AGROMETEOROLOGICAL BULLETIN



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DEKAD 18 PERIOD: 21ST – 30TH JUNE 2025.

2.0 REGIONAL WEATHER AND AGRICULTURAL CONDITIONS

1.0 HIGHLIGHTS

Precipitation: Most regions in the country reported below normal rainfall during the review period.

Rainfall Extremes: Kakamega in Western region recorded the highest rainfall of 138.3mm, followed by Lamu in the Coastal region with 94.6mm.

Soil Moisture: Soil moisture levels remain adequate in most parts of the country especially in Nyanza, Western, Central, Nairobi and the coastal regions supporting crops and pasture development.

Temperature Trends: A slight increase in mean air temperatures was experienced in Nyanza, Western region and some parts of Rift valley while several parts of the country recorded low temperatures compared to the previous dekad.

Evaporation: Total pan evaporation slightly increased in few parts of Nyanza, parts of Rift Valley and North eastern while several parts of the country recorded a decrease in evaporation indicating reduced water loss from surfaces.

Forecast (Next 10 Days): Rainfall is expected over the

Highlands (both east and west of the Rift Valley), the Lake Victoria Basin, the Rift Valley, the Coast and parts of Northeastern and Northwestern regions. 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 forecast over the Coast, Southeastern Lowlands, Northeastern, and Northwestern regions of Kenya.

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 for Kakamega which recorded above normal rainfall.

Kakamega: Recorded rainfall of 138.3mm. Mean air temperature slightly increased to 21.8°C. Maize is at wax ripeness and in good state.

Kisii: Received 2.0 mm of rainfall, below LTM. Temperature slightly increased from 20.1°C to 20.5°C. Beans harvesting is completed; maize is at wax ripeness stage, with few cases of fall armyworms and in fair state.

General Outlook: Scattered cloud cover and good 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 39.8 mm of rainfall; temperature slightly decreased to 17.4°C. Maize has attained maturity while beans harvesting is ongoing.

Kitale: Recorded 36.7 mm of rainfall; with constant mean air temperature of 19.2°C. Maize is at flowering stage while beans are at pod filling stage but are affected by too much rainfall.

Eldoret: Rainfall at 22.8 mm; mean temperature slightly increased to 17.1°C. General Outlook: Favorable climate has positively influenced agricultural activities across the region.

2.3 Central and Nairobi Regions

Most stations within the regions recorded below-normal rainfall compared to the Long-Term Means.

Thika: Received rainfall of 0.3 mm below LTM; mean air temperature slightly decreased from 20.6°C to 19.9°C. Maize is at post flowering stage while beans harvesting is completed.

Dagoretti: Received 2.0 mm of rainfall; mean air temperature slightly increased to 18.3°C. Beans have attained full maturity awaiting harvesting. Maize is at flowering stage.

Both crops are in good state.

Kabete: Recorded 2.7 mm of rainfall; maize at flowering stage and beans have attained maturity awaiting harvesting. Both crops are in fair condition.

Nyeri: Received rainfall of 2.9 mm; mean air temperature dropped to 18.1°C. Beans are at pod filling and doing well, maize is at wax ripening stage with a few cases of stalk borer.

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

2.4 Eastern Region

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

Meru: Remained dry during the dekad; temperature slightly decreased to 18.1°C.

Maize at post flowering and in fair state. Most farmers have completed harvesting beans.

Embu: Received 6.2mm of rainfall; temperature slightly decreased to 19.2°C. Maize at flowering stage while beans harvesting is ongoing. Both crops are in fair state.

Katumani: Received no rainfall during the dekad. Temperature increased to 18.9°C.

Maize is at maturity stage but being affected by dry spell. Beans harvesting completed.

2.5 Coastal Region

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

Soil moisture levels remain favorable for crop development and pasture growth in the region.

Mtwapa: Received 47.3 mm of rainfall which was above its Long-Term mean; temperature decreased to 25.5°C. Maize is at post flowering stage but affected by insects and wildlife.

Msabaha: Rainfall at 60.5 mm below its Long-Term Mean; mean air temperature declined to 26.1°C. Maize is at post flowering stage.

2.6 North Eastern Region

The region experienced below-normal rainfall during the period under review.

Mean air temperatures ranged between 28.2°C in Garissa to 30.8°C in Mandera.

Soil moisture levels slightly support crop and pasture growth in the region.

Scattered cloud cover dominated much of the region.

3.0 DEKAD 18 JUNE 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	317.8	3	2	3
Kisii	164.01	1	4	0
Kitale	176.33	2	3	3
Kericho	181.35	3	1	3
Nyeri	24.0	1	3	0
Thika	9.9	0	5	0
Dagoretti	45.55	1	2	0
Meru	3.15	0	6	0
Embu	20.12	1	4	0
Katumani	1.5	0	10	0
Msabaha	199.01	3	3	2
Mtwapa	199.31	2	1	2
Kabete	29.35	1	4	0
Nyahururu				

Fig 3.0

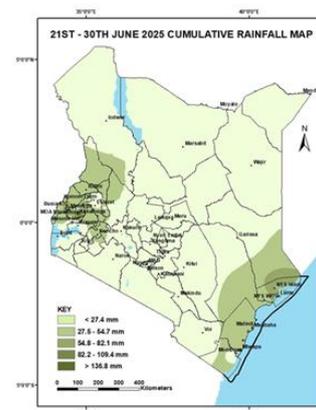


Fig 3.1

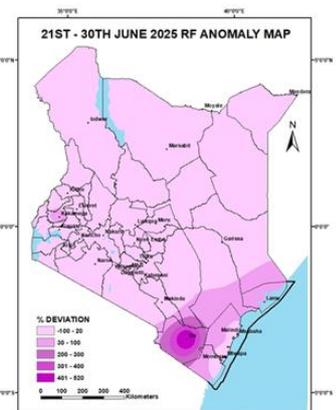


Fig 3.2

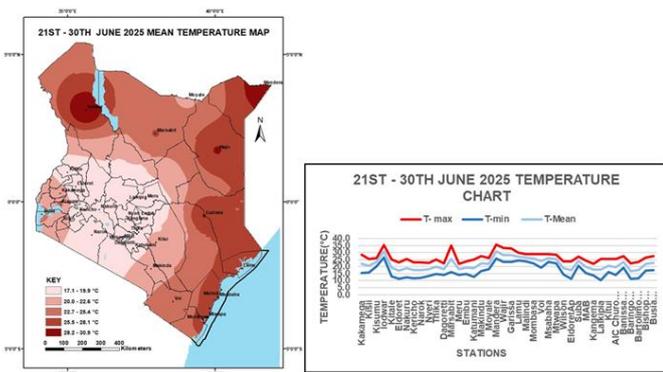


Fig 3.5

Fig 3.6

4.0 EXPECTED WEATHER, SOIL AND CROP CONDITIONS DURING THE NEXT TEN (10)

DAYS; 1st – 10th July 2025.

Western, Nyanza, and South Rift Valley

Expected Conditions: Normal to below normal rainfall expected during the forecasted period.

Impact: Conditions are favorable for crop and pasture growth.

Central Region & Nairobi

Expected Conditions: Below normal to normal rainfall, with occasional showers in few places.

Impact: Moderately supportive for agricultural activities.

North Western Region

Expected Conditions: Predominantly sunny intervals with a chance of showers over few places.

Impact: Anticipated showers may help in pasture regeneration in the region.

North Eastern Region

Expected Conditions: Sunny intervals likely to dominate with a chance of showers over few places.

Impact: Anticipated showers will aid in pasture regeneration and water availability.

South-Eastern Lowlands

Expected Conditions: Predominantly sunny intervals anticipated. A chance of showers over few areas during the forecast period.

Impact: Anticipated showers may aid in pasture regeneration and support crop growth.

Coastal Counties

Expected Conditions: Normal to below normal rainfall is expected during the forecast period.

Impact: Soil moisture Conditions are expected to remain sufficient for crop development, but pest and wildlife challenges may persist.

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. A void late harvesting which can lead to pod shattering.

Consult agricultural extension officers for localized advice and to stay informed on the best agricultural practices tailored to specific crops and regions.

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:

Implementing these best practices will help enhance resilience and productivity, enabling farmers and pastoralists to better cope with changing climatic conditions.

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