



KMD 10 DAY AGROMETEOROLOGICAL BULLETIN



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DEKAD 20 PERIOD: 11TH – 20TH JULY 2025.

1.0 HIGHLIGHTS

Precipitation: During the dekad under review, several regions across the country recorded rainfall amounts that were below the long-term average, indicating a period of suppressed rainfall activity.

Rainfall Extremes: Koromongucha in Nyanza region recorded the highest rainfall of 151.9mm, followed by Kericho in the Rift valley region with 107.5mm.

Soil Moisture: Soil moisture conditions remain sufficient across the country, notably in Nyanza, Rift Valley, Western, Central, Nairobi, and Coastal regions, thereby supporting ongoing crop and pasture development.

Temperature Trends: An increase in mean air temperatures was recorded across the country except for a few parts of the country that experienced low temperatures compared to the previous dekad.

Evaporation: Total pan evaporation slightly decreased over several parts of the country indicating reduced water loss from the surfaces.

Forecast (Next 10 Days): Rainfall is expected over a few areas of the country, mainly in the highlands east and west of the Rift Valley

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.

2.0 REGIONAL WEATHER AND AGRICULTURAL CONDITIONS

2.1 Western and Nyanza Regions

Most stations in these regions experienced above normal rainfall compared to the Long-Term Mean for the dekad.

Kakamega: Recorded rainfall of 80.3mm. Mean air temperature slightly decreased to 21.4°C. Maize has attained maturity.

Kisii: Received 81.0 mm of rainfall, above LTM. Temperature remained constant at 19.8°C. Maize crop is doing well.

General Outlook: Broken 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 above normal rainfall.

Kericho: Recorded 107.5mm of rainfall; temperature slightly decreased from 17.5°C to 17.0°C. Maize crop has attained maturity.

Kitale: Recorded 61.3 mm of rainfall; mean air temperature slightly decreased from 19.2°C to 18.9°C. Maize crop is at post flowering stage.

Eldoret: Recorded rainfall amount of 97.8 mm; mean temperature decreased to 17.0°C.

General Outlook: Favorable weather conditions 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 except for Kabete and Dagoretti stations.

Thika: Received rainfall of 0.9 mm of rainfall; mean air temperature slightly increased from 19.5°C to 20.4°C. Maize crop is at early maturity stage.

Dagoretti: Received 15.6 mm of rainfall; mean air temperature slightly increased to 18.0°C. Maize crop is at early maturity stage.

Kabete: Recorded 34.4 mm of rainfall; maize is at early maturity stage.

Nyeri: Received rainfall of 3.2 mm; mean air temperature increased to 17.8°C. Maize crop is at wax ripeness stage while beans are been harvested.

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: Recorded 0.4 mm of rainfall, temperature slightly increased from 18.0°C to 18.4°C.

Maize has crop has failed.

Embu: Received 11.0 mm of rainfall; temperature slightly increased to 18.8°C. Maize at early maturity stage.

Katumani: The station has not recorded any rainfall during the dekad and the mean Temperature remained at 18.4°C.

Maize crop has been affected by too much sun.

2.5 Coastal Region

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

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

Mtwapa: Received 4.7 mm of rainfall which was below its Long-Term mean; temperature increased to 26.1°C. Maize is at post flowering stage but affected by insects and wildlife.

Msabaha: Rainfall at 31.8 mm above its Long-Term Mean; mean air temperature slightly decreased to 26.1°C. Maize is at wax ripeness stage.

2.6 North Eastern Region

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

There was a slight increase in mean air temperatures over the region ranging between 28.0°C in Wajir to 29.°C in Mandera.

Soil moisture levels slightly support pasture growth in the region.

Broken cloud cover dominated the region.

3.0 DEKAD 20 JULY 2025 RAINFALL, TEMPERATURE & WRSI MAPS / CHARTS

Station	JJA total	Maximum consecutive wet days	Maximum consecutive dry days	Number of rainy days
Kakamega	577.51	6	1	4
Kisii	310.05	5	1	6
Kitale	312.64	3	1	6
Kericho	341.57	8	1	7
Nyeri	31.94	1	1	0
Thika	12.72	0	9	0
Dagoretti	62.99	2	2	0
Meru	13.88	0	4	0
Embu	51.32	1	6	1
Katumani	1.9	0	10	0
Msabaha	241.27	2	0	2
Mtwapa	225.12	1	3	0
Kabete	66.55	1	2	2

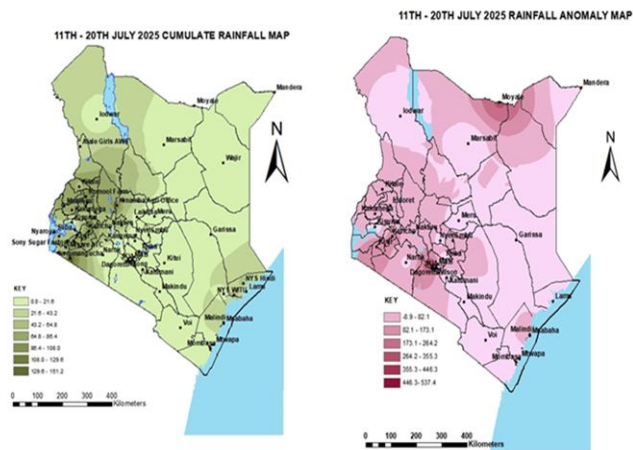


Fig 3.1

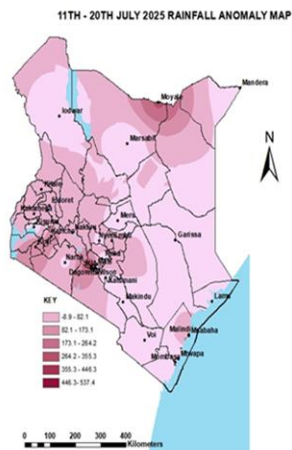


Fig 3.2

These Conditions are favorable for agricultural activities

Central Region & Nairobi

Expected Conditions: Cool and cloudy mornings, with light rains or drizzles

Impact: Favorable for agricultural activities.

North Western Region

Expected Conditions: Hot and mostly dry conditions, however isolated light showers and thunderstorms may occur over a few areas,

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

North Eastern Region

Expected Conditions: Expected to experience hot and dry conditions over most parts, however occasional isolated light showers may occur in a few places

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 the high ground areas

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

Coastal Counties

Expected Conditions: Humid conditions with partly cloudy to sunny mornings, followed by light to moderate showers in some areas.

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

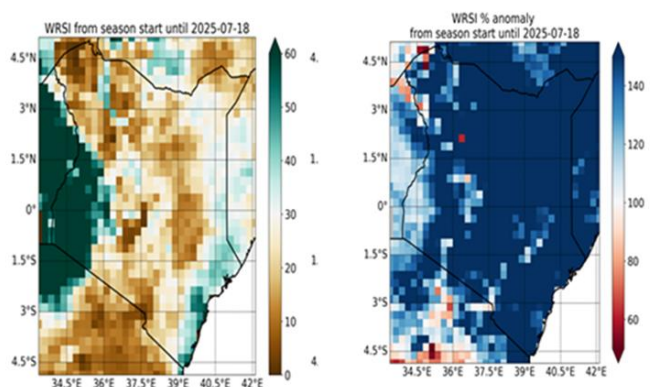


Fig 3.3

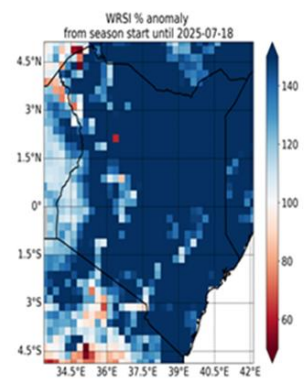


Fig 3.4

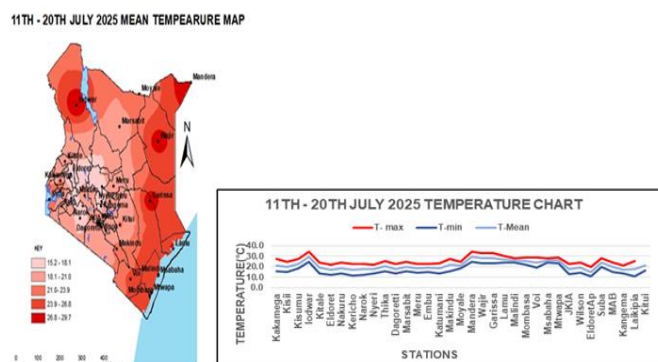


Fig 3.5

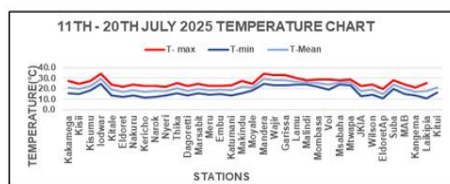


Fig 3.6

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

Western, Nyanza, and South Rift Valley

Expected Conditions: To experience light to moderate rainfall, with some areas potentially experiencing isolated heavy showers and thunderstorms.

For inquiries or any clarification, please use the email below

E-mail: agrometkenya@gmail.com

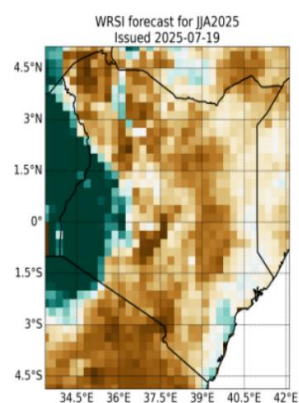


Fig 3.7

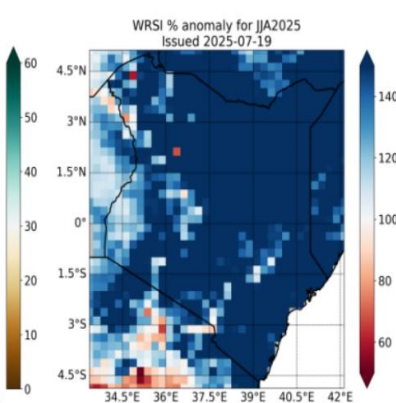


Fig 3.8

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

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

Mary Githinji

For: Director Meteorological Services