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MINISTRY OF ENVIRONMENT, CLIMATE CHANGE & FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

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AGROMETEOROLOGICAL BULLETIN

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DEKAD 05 PERIOD: 11TH – 20TH FEBRUARY 2025.

the coastal region, Tana River and Taita Taveta counties.
(see Figure 3.6).

1.0 HIGHLIGHTS

- During the period under review rainfall amounts continued to reduce significantly in the country compared to the previous dekad.
- Kisumu station in Nyanza region recorded the highest amount of rainfall of 20.4 mm followed by Miwani Boys station in the same region with 16.8 mm. (see Figures 3.1 and 3.3).
- High soil moisture levels over western and the lake basin areas. Normal over South Eastern and the Coastal region, low over the rest of the Country.
- The mean air temperature increased over most parts of the country as a result of decreased cloud cover during the day and generally low humidity (see Figures 3.2 and 3.4).
- Total pan evaporation readings increased significantly over most parts the country compared to the previous dekad.

2.1 WEATHER AND CROP REVIEW FOR THE PERIOD 11TH – 20TH FEBRUARY 2025.

2.2 WESTERN AND NYANZA REGION

Most stations in the region reported decreased rainfall compared to the previous dekad except Kisumu which reported an increase. Kisumu station recorded the highest amount of 20.4mm followed by Miwani Boys station with 16.8 mm. Mean air temperature increased slightly in the region ranging between 23.1°C and 26.9°C. Scattered cloud cover dominated the region throughout the dekad.

2.11 KAKAMEGA:

The station reported a rainfall amount of 0.3 mm which was below its long-term mean of 18.1 mm.

The average mean air temperature at the station increased from 23.0°C to 23.9 °C, the station reported scattered cloud cover during the dekad.

Land preparations are on going.

2.0 During the next ten days sunny - dry and hot weather conditions are expected to prevail over most parts of the country. However, occasional light rainfall may be experienced over isolated areas around Mt. Kenya,

2.12 KISII:

The station recorded 4.2mm of rainfall, which was below its long term mean of 28.8 mm during the dekad. Mean air temperature slightly increased from 22.0°C to 23.1°C during the same period.

The station reported scattered cloud cover during the dekad.

Planting is on going.

2.3 RIFT VALLEY REGION

Several stations within the region reported decreased rainfall amounts during dekad. Ndenai Boys station in Bomet recorded the highest amount of 10.2 mm followed by Ngong station with 4.0 mm. Several areas in the region recorded low soil moisture levels.

Mean air temperature in the region increased slightly and ranged between 18.7 °C in Narok and 21.0 °C in Kitale.

Scattered cloud cover dominated over most parts of the region during the dekad.

i KITALE:

The station remained dry during the dekad. The mean air temperature increased from 20.7°C to 21.0 °C.

The station reported scattered clouds cover during the dekad.

Land preparations are complete farmers are waiting for rains.

ii KERICHO:

The station reported rainfall amount of 0.0 mm as compared to its long-term mean of. 28.3 mm. Mean air temperature increased from 18.8 °C to 19.7 °C

The station reported scattered clouds cover all through during the dekad.

Maize is at post flowering stage and showing signs of moisture stress due to insufficient rainfall. Yield is likely to be below normal.

2.3.0 CENTRAL AND NAIROBI REGION.

Several stations in the region reported decreased rainfall compared to the previous dekad. Gakanga Sec School station in Nyeri County recorded the highest amount of rainfall of 8.5 mm in the region. Kabete and Dagoretti stations recorded 3.2 mm and 2.5 mm of rainfall respectively (**Fig 3.3**). Mean air temperature increased in the region and ranged between 15.4°C and 22.2°C. Most stations from the region reported scattered cloud cover throughout the dekad.

2.3.1 NYERI:

The station reported rainfall amount of 0.0 mm which was below the long term dekadal mean of 21.0 mm. Mean air temperature decreased from 19.7°C to 19.5°C during the dekad.

Cloud cover was scattered throughout the dekad.

Some maize crops are showing signs of wilting due to depressed moisture levels. Beans have attained maturity but below normal yield is expected.

2.3.2 THIKA:

The station remained dry during the period under review. Mean air temperature increased from 21.7°C to 21.8°C during the dekad.

The cloud cover at the station was scattered during the dekad.

Maize has attained maturity but there are signs of crop failure due to too much sun. Below normal yield is expected.

2.3.3 DAGORETTI

The station reported rainfall amount of 2.5 mm during the dekad. The mean air temperature at the station increased from 20.6°C to 20.8 °C. The station reported scattered cloud cover throughout the dekad.

Maize is at post flowering stage with below normal yield expected.

2.3.4 KABETE:

The station reported rainfall amount of 3.2mm during the dekad. The mean air temperature at the station remained unchanged at

19.8 °C. The station reported scattered cloud cover throughout the dekad. Maize is at maturity stage with below normal yield expected. Beans have been harvested.

2.3.5 NYAHURURU:

The station remained dry during the period under review. The mean air temperature at the station remained constant at 15.4°C. The station reported scattered clouds cover throughout the dekad.

2.4.0 EASTERN REGION:

Several stations in the region recorded slight increment in the rainfall amounts during the dekad. Meru station recorded the highest amount of rainfall of 5.7mm (see Fig 3.3). Areas to the south of the region had average/normal soil moisture levels during the dekad

Mean air temperature ranged between 19.8°C and 26.5°C. Scattered cloud cover dominated the region throughout the dekad.

2.4.1 MERU:

The station recorded rainfall amount of 5.7 mm during the period under review. Mean air temperature increased from 19.3°C to 19.8°C.

Scattered cloud cover was recorded throughout the period under review.

Both crops are showing signs of withering despite the recent rains. Areas bordering the Arid and Semi-Arid areas have total crop failure.

2.4.2 EMBU:

The station recorded rainfall amount of 1.6mm during the dekad. The mean air temperature increased from 21.1°C to 21.6 °C.

The station reported few clouds cover throughout the dekad.

Maize is at post flowering and highly moisture stressed while beans have attained maturity.

KATUMANI:

The station remained dry during the dekad.

The mean air temperature remained the same at 20.8°C.

Scattered clouds cover was reported throughout the dekad.

Maize crop has attained maturity but there is crop failure due to insufficient rains. Beans have been harvested.

2.5.0 COASTAL REGION

Some stations in the region remained dry while other stations reported slight increase in rainfall during the dekad. Mghambonyi station in Voi recorded the highest rainfall amount of 8.6 mm. Several areas in the region had average/normal soil moisture levels during the dekad The mean air temperature ranged between 27.7°C and 29.9°C. Scattered cloud cover dominated during the dekad.

2.5.1 MTWAPA:

The station recorded rainfall amount of 0.5 mm during the period under review. Mean air temperature increased from 27.7 °C to 29.0°C. Scattered cloud cover was reported all through during the dekad.

Maize is at maturity stage and below normal yield is expected due to insufficient moisture in the soil.

2.5.2 MSABAHA:

The station recorded rainfall amount of 0.4mm during the dekad. The mean air temperature increased from 28.0°C to 29.2°C. Scattered cloud cover was reported during the dekad.

No activities happening on the farms as the lands are lying fallow.

2.6.0 NORTH EASTERN REGION:

Most stations in region reported significant amount of rainfall during the dekad, with Garissa station recording the highest

rainfall amount of 6.8mm, NDMA Station in Garissa reporting 3.8mm. Several areas in the region had low soil moisture levels during the dekad Mean air temperature

ranged between 30.7 °C in Garissa and 32.0°C in Mandera. Scattered clouds cover dominated over several parts of the region.

DEKAD 05 2025 RAINFALL, TEMPERATURE & WRSI MAPS / CHARTS & TABLES



Fig 3.1

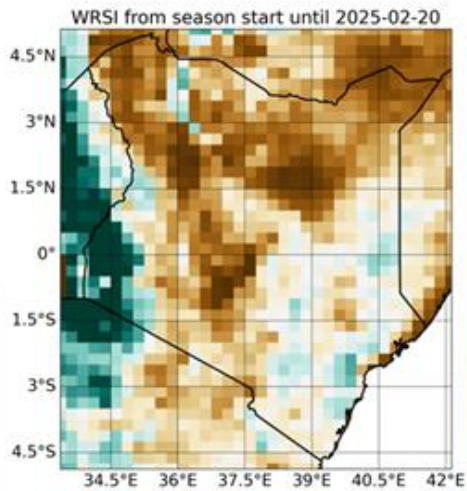


Fig 3.2

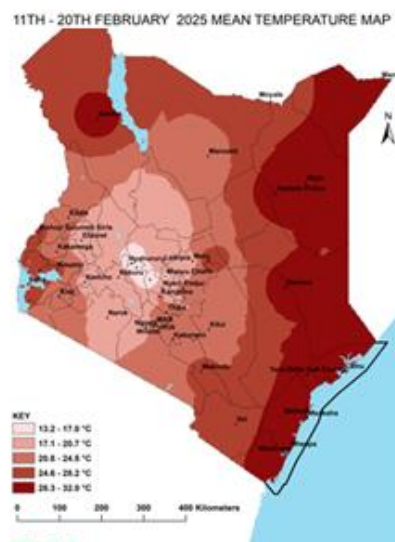


Fig 3.3

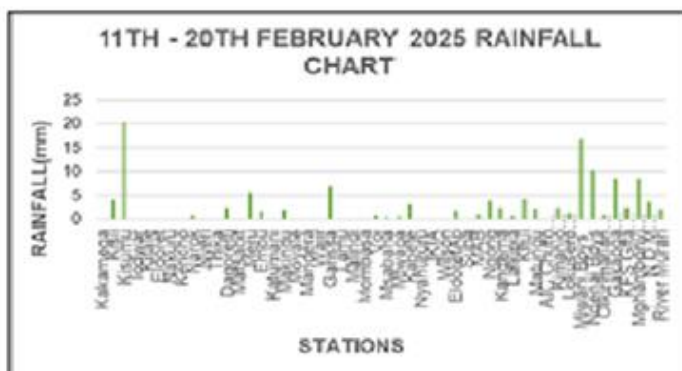


Fig 3.4

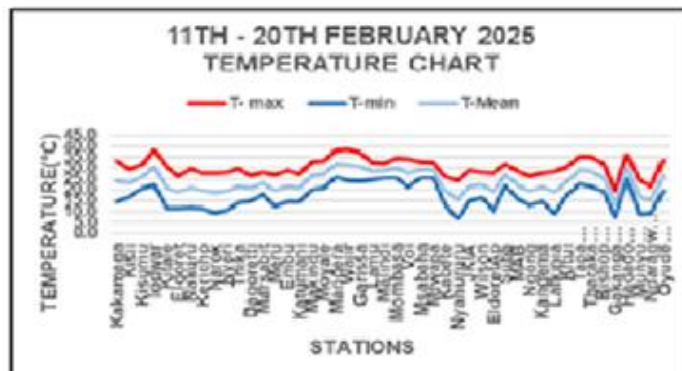


Fig 3.5

Station	Maximum consecutive wet days during the dekad	Maximum consecutive dry days during the dekad	Number of rainy days during the dekad	Cumulative rainfall from 1 st of January 2025
Kakamega	0	5	0	89.21
Kisii	1	4	0	247.42
Kitale	0	8	0	36.64
Kericho	0	5	0	133.72
Nyeri	0	10	0	68.04
Thika	0	8	0	78.93
Dagoretti	1	7	0	153.93

Meru	2	7	0	54.41
Embu	1	8	0	1.61
Katumani	0	10	0	78.92
Msabaha	0	8	0	0.43
Mtwapa	0	9	0	1.21
Kabete	1	7	0	64.85
Nyahururu	0	10	0	92.62

4.0 EXPECTED WEATHER , SOIL AND CROP

CONDITIONS DURING THE NEXT TEN (10) DAYS;

21ST – 28TH FEBRUARY 2025.

Counties in Western, Nyanza and South Rift valley:

Mainly Sunny intervals to dominate the region with light rainfall expected over few places.

In the **Central region and Nairobi counties**, mainly sun intervals expected to prevail during the day, a few areas around Mount Kenya may experience light showers.

In **North Western** Sunny conditions are expected during the day, nights are likely to be clear.

In **North Eastern**, Sunny intervals are expected during the day, nights are likely to be partly cloudy.

In **south-eastern lowlands and Coastal counties**, mainly sunny intervals expected to prevail during the day, nights are likely to be partly cloudy with probability of Light morning rains/showers over few places.

Crops and pasture condition are expected to deteriorate due to the expected dry conditions over the vast region within the country.



Fig 3.7

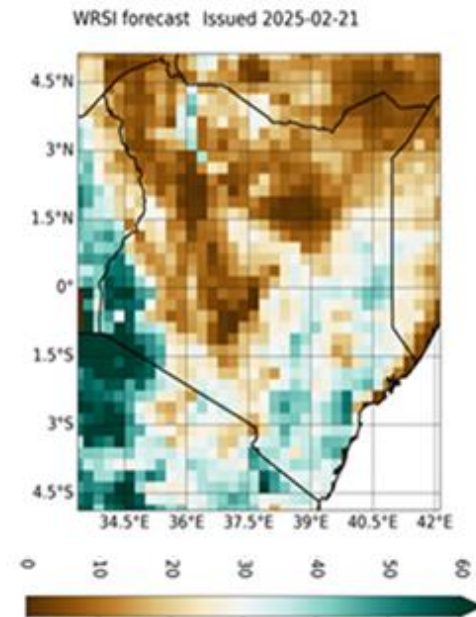


Fig 3.8

10 Days Average Soil Moisture Content Forecast
Valid 0600 Hrs 20 Feb to 0600 Hrs 28 Feb 2025

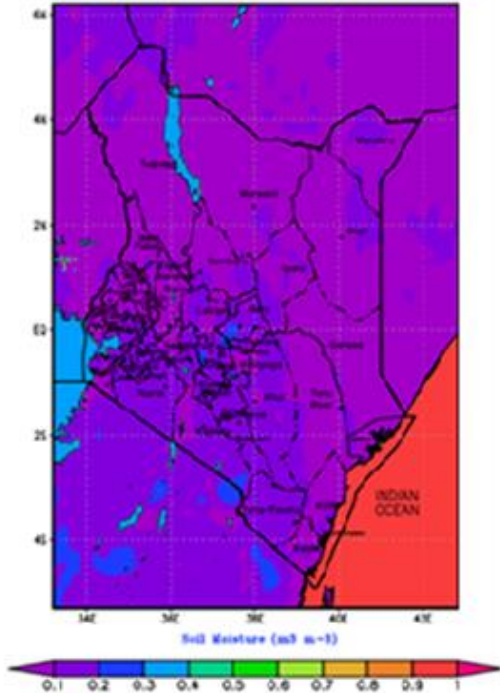


Fig 3.9

For inquiries or any clarification, please use the email below

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4.1 AGRO-ADVISORY:

Farmers to continue to prepare their farms for the next planting season. Those who have harvested their cereals should ensure they are properly dried to avoid post-harvest losses.

Low soil moisture availability factor in rangelands and game parks will cause increase in dry matter which can lead to wild fires. Responsible authorities be on high alert.

Pastoralists are advised to adopt proper grazing practices to avoid resource-based conflicts. They can enhance offtake to facilitate conservative stocking rate.

Farmers are advised to establish robust collaborations with Meteorological staff and other technical personnel at the grassroots for weather and climate information services.