



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY

KENYA METEOROLOGICAL DEPARTMENT
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1.0 THE OUTLOOK FOR THE “LONG RAINS” (MARCH-APRIL-MAY) 2025 SEASON;
REVIEW OF THE OCTOBER-DECEMBER 2025 “SHORT RAINS SEASON”.

1.HIGHLIGHTS

1.1 Outlook for March- April-May 2025 season

- The seasonal forecast indicates **Near to below average rainfall is expected** over the county during March -April-May 2025 “long rain” season.
- The rainfall distribution is expected to be poor to fair over parts of the county.
- The seasonal rainfall is expected to peak during the month of April for the hinterland and expected to peak during the month of May for Coastal parts of the county i.e kipini
- The seasonal temperature forecast indicates warmer-than-average (> 30°C.)

The seasonal rainfall onset and cessation.

- The seasonal rainfall onset is expected during the **4th week of March to 1st week of April** in all **Wards in Tana North** (Bura), Tana River (Galole) and Garsen (Tana Delta) bordering Kitui county.
- The cessation is 3rd to 4th week of May 2025.
- **2nd week April to 3rd week of April 2025 is expected to be the rainfall onset** for all other wards in Garsen (Tana Delta) bordering the Indian Ocean.
- The rains are expected to continue in to June.

KEY SCIENTIFIC WORDS

Rainfall performance	
Rainfall as % of the LTM/Range	description
<75%	Below normal (depressed)rainfall
75% and 125%	Near normal rainfall
>125%	Above normal (enhanced) rainfall

Rainfall coverage	
Term	Meaning
Most places	Between 66% to 100%
Several places	Between 33% to 66%
Few places	Between 0% to 33%

2.0. FORECAST FOR MARCH-APRIL-MAY (MAM) 2025 “LONG RAINS SEASON”

- The forecast for March-April-May (MAM) 2025 “Long-Rains” indicates most parts of Tana River County are expected to receive **Near to below average rainfall** for the season.
- The MAM rains distribution both in time and space is expected to be **poor to fair** over parts of the County.
- **Parts of Tana River County** bordering Kitui county, the expected rainfall is **Near to below average rainfall** for the season.
- The peak of the MAM 2025 rainfall season is expected to be the month April for the hinterland and May for the Coastal areas like Kipini.
- The temperatures are expected to be **warmer than average ($> 30^{\circ}c$)**, over most parts of the County

The figure below (Left) shows the rainfall forecast distribution across Kenya in general and Tana River County specific (Right).

Tana River County March April and May (MAM) 2025 Rainfall outlook

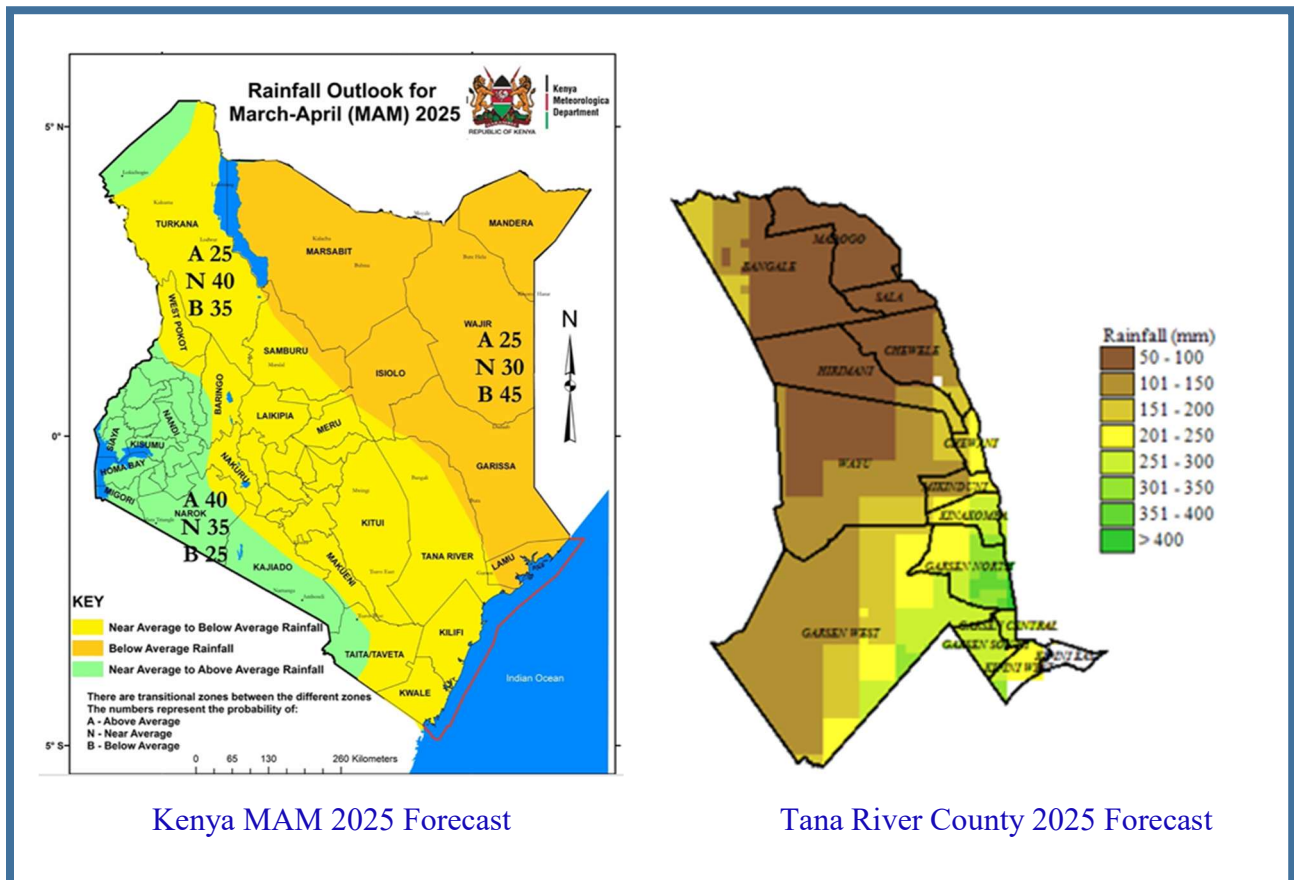


Figure 1: March to May 2025 “Near to below average rainfall” forecast rainfall scenario

EXPECTED SEASONAL RAINFALL DISTRIBUTION

The spatial and temporal distribution of the March - May 2025 seasonal rainfall is expected to have a poor to fair distribution for most parts of the County.

- During the month of **March 2025**, the rainfall season is expected to start over most places of the County bordering Kitui county and also the Tana basin so we should expect water flows downstream.
- **April we expect to be the peak month** expected in some parts of the county especially parts bordering Kitui County.
- **May is expected to be the peak** month of the season for most parts of the County bordering the coast (Tana delta).
- However, because Tana River basin i.e. Meru, Embu Tharaka- Nithi Kirinyaga, and central Kenya regions are likely to experience the same rainfall onset with our county we should expect to have some floods down Tana River.

4. EXPECTED ONSET AND CESSATION DATES

The figure shows the rainfall onset across Kenya in general and Tana River County specific. [Tana River County March April and May \(MAM\) 2024 Rainfall onset.](#)

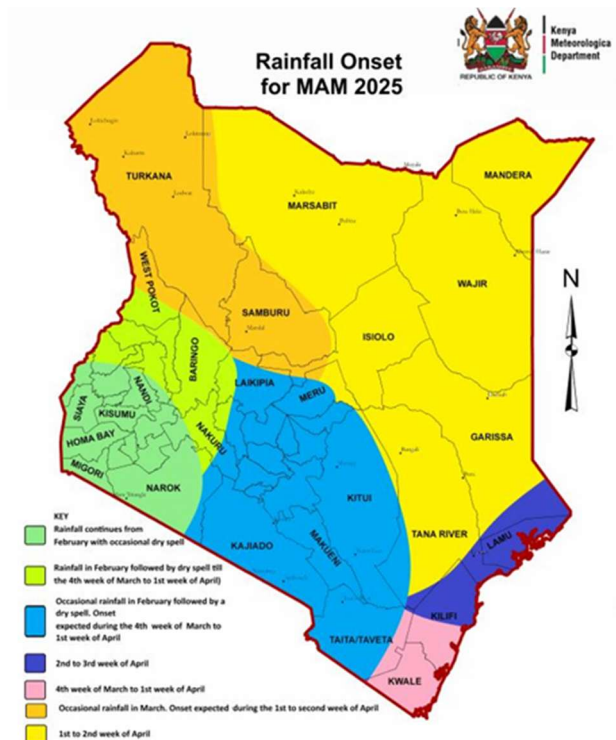


Fig. 4 MAM 2025 Rainfall Onset

Tana River County	Onset dates	Cessation dates
All wards in Tana north (Bura) Tana River (Galole) and Garsen (Tana Delta) bordering Kitui county	4th week of March to 1st week of April 2025	3rd to 4th week of May 2025
All other wards in Tana north (Bura) Tana River (Galole) and Garsen (Tana Delta) not bordering Kitui county	2nd to 3rd week of April 2025	Rains Continues in to June 2025

5.0 POTENTIAL IMPACTS OF THE MAM 2024 RAINS

Following the forecast of **Near to below average rainfall** over most parts of the county, various sectors are expected to be impacted differently.

N/B:

This forecast should be used in conjunction with the five-day, weekly, monthly forecast including regular updates, advisories and alerts issued by this office.

Kalu G. Nyale.

County Director of Meteorological Services:

Tana river County