



**REPUBLIC OF KENYA  
MINISTRY OF ENVIRONMENT AND FORESTRY  
KENYA METEOROLOGICAL DEPARTMENT**

**TAITA TAVETA COUNTY  
MONTHLY WEATHER FORECAST FOR  
SEPTEMBER, 2025**

**Date of Issue:** 4<sup>th</sup> September, 2025

**Forecast Period:** 1<sup>st</sup> – 30<sup>th</sup> September, 2025

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**THE OUTLOOK FOR SEPTEMBER 2025 AND THE REVIEW OF AUGUST 2025, for  
TAITA TAVETA COUNTY**

**1. HIGHLIGHTS**

**1.1 The Outlook for September 2025**

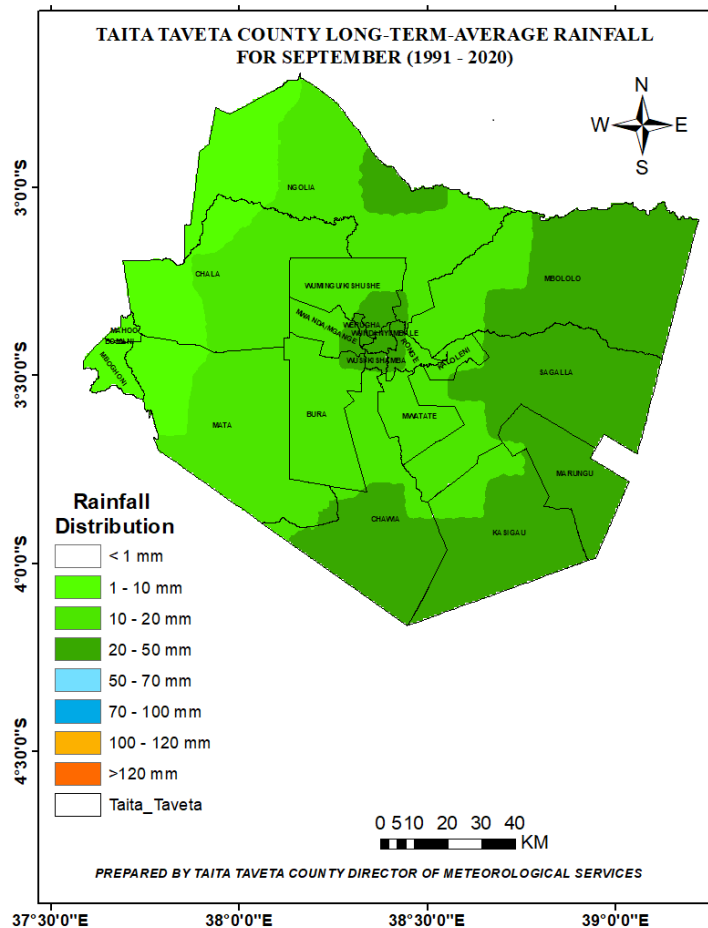
Sunny and dry conditions are likely to prevail.

**1.2 The Review for August 2025**

Mainly dry weather conditions prevailed in the Southeastern lowlands of Kenya, in which Taita Taveta county is located. Maximum temperatures were warmer than average in some parts of the county and a little cooler than average in others. Minimum and mean temperatures were warmer than average over the county.

**2. THE FORECAST FOR SEPTEMBER 2025**

The rainfall forecast for September 2025 is based on the observed patterns of the Global Sea Surface Temperatures (SSTs) especially over the Indian and Pacific Oceans. The rainfall climatology for September is shown in figure 1.



*Figure 1: September Rainfall Climatology*

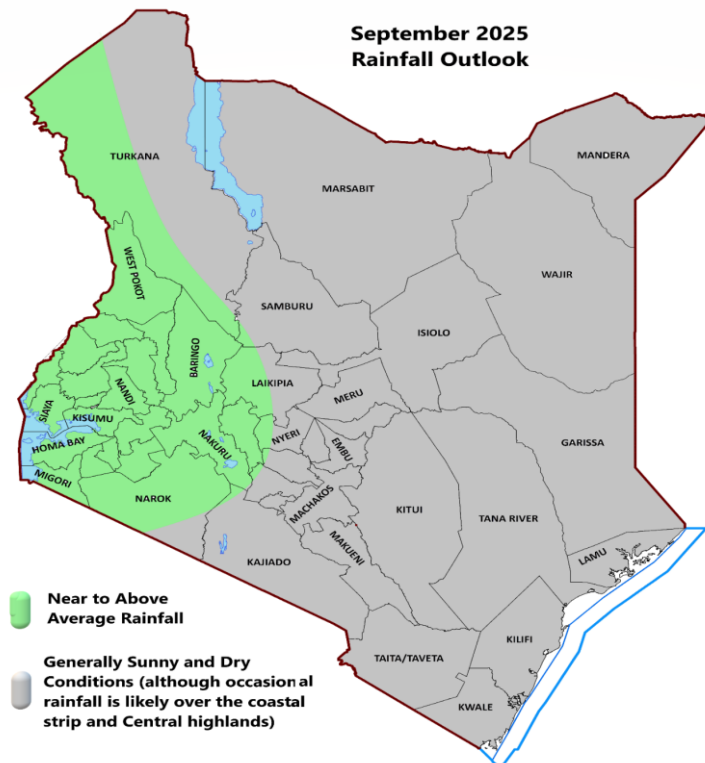
For September 2025, Taita Taveta will remain predominantly hot, sunny, and dry, with little to no rainfall in the lowlands (<10 mm). Only the highlands around Wundanyi, Mwatate, and Sagalla may get occasional light showers (10–30 mm). Water scarcity and pasture stress will persist, requiring water conservation and livestock planning.

Table 1: Category and intensity of precipitation, and probability of rainfall distribution over places

<u>Category</u>	<u>Rainfall Amount</u>	<u>Rainfall Distribution</u>	
Light	Less than 5.0mm	<u>Term</u>	<u>Meaning</u>
Moderate	5 to 20 mm	Most Places	Between 66% and 100%
Heavy	20 to 50 mm	Several Places	Between 33% and 66%
Very Heavy	Over 50mm	Few Places	Between 0 and 33%

## 2.1. Weather Forecast for September 2025

Most parts of the county (Southeastern of Kenya, figure 2) are likely to experience generally sunny and dry conditions during the month of September.



*Figure 2: September 2025 Rainfall Outlook*

## 2.2. Specific Outlook for Particular Areas (Sub-Counties)

These counties are likely to experience generally sunny and dry weather conditions throughout the month. Specific outlook for certain areas:

- 2.2.1. **Taita and Mwatate Sub-Counties** - May receive occasional light showers; 10–30 mm possible cumulative for the month, but still below useful farming levels.
- 2.2.2. **Voi Sub-County** – at Voi town and surrounding lowlands, conditions are expected to remain dry, with a possibility of 1-10mm of cumulative rainfall for September.
- 2.2.3. **Taveta Sub-County** – Almost negligible rainfall (<10mm for the month) and hot, sunny and dry weather expected for the area.

## 2.3 POTENTIAL IMPACTS

**2.3.1 Agriculture and Food Security:** Rain-fed farming is likely to face moisture stress, and new planting is not advisable. Pasture and availability of water for livestock keepers is expected to be limited.

**2.3.2 Water Resources Management:** Water scarcity may intensify during the month. So, residents of Taita Taveta are advised to conserve and use water sparingly.

**2.3.3 Health:** Respiratory illnesses like asthma and colds could be triggered by increase of dust levels, due to the dry and windy conditions.

### 3. OUTLOOK FOR SEPTEMBER TO NOVEMBER

From the National Outlook, the Southeastern lowlands are expected to remain generally sunny and dry in September and October and receive rainfall from November. Taita Taveta is in the Southeastern lowlands. The rainfall is expected to be below the September to November long term mean (LTM) (figure 3 for Taita Taveta county), except a few areas in Machakos and Kajiado that may receive near to below the September to November LTM. Temperatures are expected to be warmer than average over most parts of the county.

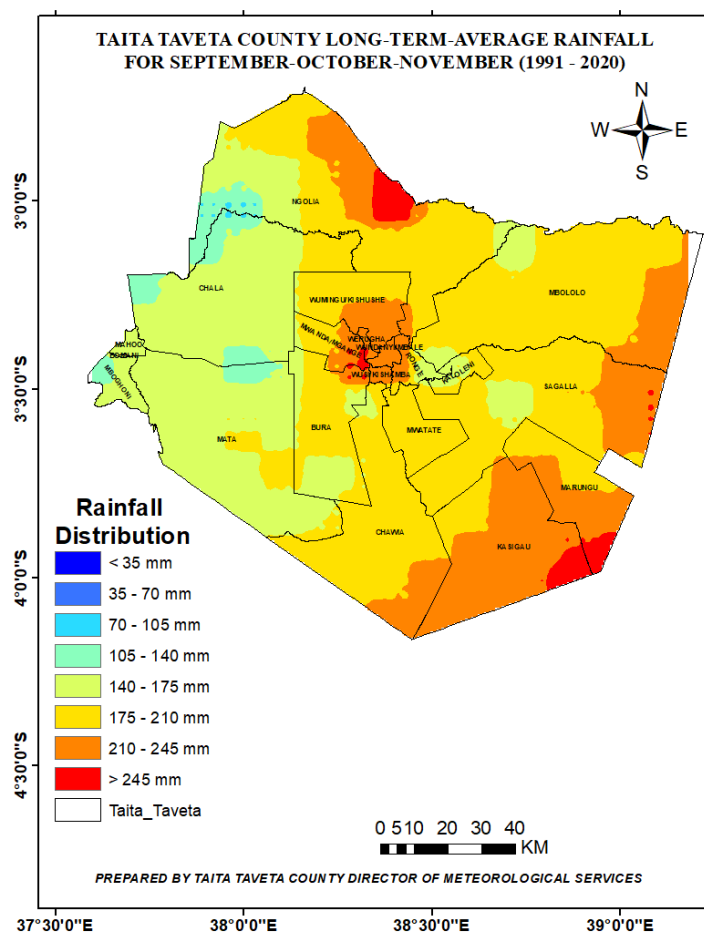


Figure 3: Long Term Average for Sept-Oct-Nov (SON) (1991-2020)

### 4. REVIEW OF THE WEATHER DURING AUGUST 2025

#### 4.1 Rainfall Review in August 2025

Dry weather conditions prevailed over most parts of the county although isolated received a day or two of light rainfall. Occasional cool and cloudy conditions with light rains were experienced over parts of the county. Most of the stations recorded no rainfall at all during August 2025.

#### 4.2 Temperature Review in August 2025

The month of August marks the gradual end of the cold season. Maximum temperatures were warmer than the August long term mean (LTM). Voi Meteorological station, for instance, indicated a 0.5°C warmer than the August Average for Maximum temperature. Extremely cold day time temperatures were experienced on the 18<sup>th</sup> of August over several parts of the county. These low temperatures

resulted from rainfall that was experienced the whole day as a result of a band of convective clouds that was moving across the Indian Ocean known as the Madden Julianne Oscillation (MJO) coupled with high pressures over the Southern hemisphere that were pumping in cold air from the South. Minimum temperatures were warmer than average across the entire country and thus the county. Mean temperatures were warmer than the August LTM.

***NB: This outlook should be used together with the Weekly County Forecasts developed and availed by the County Meteorological Office, as well as any other weather updates and advisories that may be communicated when necessary.***

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