



**REPUBLIC OF KENYA**

**MINISTRY OF ENVIRONMENT AND FORESTRY**

**KENYA METEOROLOGICAL DEPARTMENT**

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**Biometeorological Services Division**

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**WEEKLY BIOMETEOROLOGICAL BULLETIN (27<sup>TH</sup> SEPTEMBER-3<sup>RD</sup> OCTOBER, 2022)**

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**1 PREAMBLE**

Biometeorology is an interdisciplinary science of interactions between atmospheric processes and living organisms - plants, animals and humans. The Bio-Meteorological Section collects, analyzes, interprets meteorological data and issues the human health related forecast in partnership with the health sector.

**2 FORECAST FOR 27<sup>TH</sup> SEPTEMBER – 3<sup>RD</sup> OCTOBER, 2022**

**a) Rainfall**

Rainfall more than 50mm is expected over parts of Transzoia (Kitale) County during the forecast period (Tue. 27<sup>th</sup> September, 2022 to Mon. 3<sup>rd</sup> October, 2022).

**b) High Temperature**

Maximum Temperatures of more than 35°C are expected over most parts of Mandera and Lodwar Counties during the forecast period (Tue. 27<sup>th</sup> September, 2022 to Mon. 3<sup>rd</sup> October, 2022).

**c) Low Temperature**

Minimum Temperature of less than 10°C is expected over parts of Nyandarua (Nyahururu) County, during the forecast period (Tue. 27<sup>th</sup> September, 2022 to Mon. 3<sup>rd</sup> October, 2022).

**d) Winds**

Winds of more than 25 knots (12.9m/s) are expected over parts of Marsabit, Wajir, Turkana (Lodwar), Mandera, Isiolo, Malindi, Mtwapa, Msabaha, Mombasa and Garissa Counties, during the forecast period (Tue. 27<sup>th</sup> September, 2022 to Mon. 3<sup>rd</sup> October, 2022).

## REVIEW FOR LAST WEEK (19<sup>TH</sup> SEPTEMBER – 25<sup>TH</sup> SEPTEMBER, 2022)

### 2.1 High Rainfall

This section lists stations recorded more than 50mm total rainfall in the last 7 days. This is shown in Table 1 below.

**Table 1:**

Station	Total weekly Rainfall
Kericho Met	71.6mm

### 2.2 High Temperatures

This section lists stations that recorded average Temperatures exceeding 35°C in the last 7 days. This is shown in Table 2 below.

**Table 2:**

Station	Average weekly Maximum Temperature
Mandera Met	36.4°C
Lodwar (Turkana) Met	36.2°C

### 2.3 Low Temperatures

This section lists stations that recorded average Temperatures below 10°C in the last 7 days. This is shown in Table 3 below.

**Table 3:**

Station	Average weekly Minimum Temperature
Nyahururu Met	5.3°C

### 2.4 High Winds

This section list stations that recorded winds with speeds of more than 25knots (12.9 metres per sec) in the last 7 days. This was recorded in Marsabit, Garissa and Malindi Met stations.

## 3 Advisory

**The areas expected to receive more than 50 mm of weekly total rainfall have a** high risk of waterborne (e.g. diarrhea) and Vector borne (e.g. Malaria) diseases especially in areas with poor drainage. Residents are advised to be on the lookout for such diseases and take necessary action.

**The areas expected to experience more than 35°C** therefore high likelihood of skin diseases e.g. skin rash.

**The areas expected to experience less than 10°C** have a high likelihood of cold weather diseases. e.g. Asthma, pneumonia, common cold and flu. Residents are advised to be on the lookout for such diseases and take necessary action.

**Winds of more than 25 knots (12.9m/s)** have a high likelihood of cold and flu diseases due to blown dust especially during dry season. Residents are advised to be on the lookout for such diseases and take necessary action.

**N.B: This forecast is to be used together with the daily (24-hour) forecast issued by this Department.**

Dr Gikungu

**DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT**