



**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 (22<sup>ND</sup> NOVEMBER- 28<sup>TH</sup> NOVEMBER, 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.

**2 FORECAST FOR 22<sup>ND</sup> NOVEMBER – 28<sup>TH</sup> NOVEMBER, 2022**

**a) Rainfall**

Rainfall more than 50mm is expected over parts of Kakamega, Vihiga, Nandi, Kericho, Nyamira, Kisii, Nakuru, Nairobi and Kitui Counties (Tuesday 22<sup>nd</sup> November, 2022 to Monday 28<sup>th</sup> November, 2022).

**b) High Temperature**

Maximum Temperatures of more than 35°C are expected over parts of Turkana (Lodwar) Counties during the forecast period (Tuesday 22<sup>nd</sup> November, 2022 to Monday 28<sup>th</sup> November, 2022).

**c) Low Temperature**

Minimum Temperature of less than 10°C is expected over parts of Nyandarua (Nyahururu), Nyeri and Embu Counties, during the forecast period (Tuesday 22<sup>nd</sup> November, 2022 to Monday 28<sup>th</sup> November, 2022).

**d) Winds**

Winds of more than 25 knots (12.9m/s) are expected over parts of Marsabit, Turkana (Lodwar) and Lamu Counties, during the forecast period (Tuesday 22<sup>nd</sup> November, 2022 to Monday 28<sup>th</sup> November, 2022)

**REVIEW FOR LAST WEEK (14<sup>TH</sup> NOVEMBER – 22<sup>ND</sup> NOVEMBER, 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
Dagoretti Met	134.1mm
Kabete Met	127.8mm
Meru Met	105.5mm
Kangema Met	105.1mm
Garissa Met	93.9mm
M.A.B Met	89.5mm
Malindi Met	88.1mm
Ngong Met	87.1mm
Kericho Met	83.9mm
Nyeri Met	77.1mm
Wilson Met	58.5mm
Kakamega Met	50.5mm

## 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
Lodwar (Turkana) Met	35.9°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	5.7°C

## 2.4 High Winds

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