



**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 (7<sup>TH</sup> -13<sup>TH</sup> DECEMBER, 2021)**

*Ref No: KMD/MM/1-2021*

*Issue Date: 06/12/2021*

**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 7<sup>TH</sup> -13<sup>TH</sup> DECEMBER, 2021**

**a) Rainfall**

Rainfall more than 50mm is expected in parts of Nyeri, Embu, Meru, Kitui, , Makueni Counties, during the forecast period (Tue 7<sup>th</sup> December to Mon 13<sup>th</sup> December, 2021).

**b) High Temperature**

Maximum Temperatures of more than 35°C are expected in parts of Mandera, Wajir and Turkana (Lodwar) Counties, during the forecast period (Tue 7<sup>th</sup> December to Mon 13<sup>th</sup> December, 2021).

**c) Low Temperature**

Minimum Temperature of less than 10°C is expected in parts of Nyandarua (Nyahururu) County, during the forecast period (Tue 7<sup>th</sup> December to Mon 13<sup>th</sup> December, 2021).

**d) Winds**

Winds of more than 25 knots (12.9m/s) are expected over parts of Marsabit and Turkana (Lodwar) Counties, during the forecast period (Tue 7<sup>th</sup> December to Mon 13<sup>th</sup> December, 2021)

## REVIEW FOR LAST WEEK (29TH NOVEMBER – 5<sup>TH</sup> DECEMBER, 2021)

### 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
Meru Met	207.9mm
Kitui Met	144.8mm
Makindu Met	100.1mm
Embu Met	91.6mm
Thika Met	83.5mm
Machakos Met	70.0mm
Kangema Met	56.2mm

### 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 Met	35.5°C

### 2.3 Low Temperatures

This section lists stations that recorded Average Temperatures below 10°C in the last 7 days. No station recorded average Temperatures below 10°C in the last 7 days.

### 2.3 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 Met station.

## 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.

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

Stella Aura, MBS

**DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT**

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*Please address all replies to the Director of Meteorological Services*