



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT AND FORESTRY

KENYA METEOROLOGICAL DEPARTMENT

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Biometeorological Services Division

WEEKLY BIOMETEOROLOGICAL BULLETIN (18TH -24TH JANUARY, 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 18TH -24TH JANUARY 2022

a) Rainfall

Rainfall more than 50mm is expected in parts of the Kiambu(Thika), Transzoia, Kakamega, Nakuru, Narok ,Kajiado and Bomet Counties during the forecast period (Tue 18th January, 2022 to Mon 24th January, 2022).

b) High Temperature

Maximum Temperatures of more than 35°C are expected in parts of Mandera, Garissa, Wajir and Turkana (Lodwar) Counties, during the forecast period (Tue 18th January, 2022 to Mon 24th January, 2022).

c) Low Temperature

Minimum Temperature of less than 10°C is expected in parts of Nyandarua (Nyahururu) County, during the forecast period (Tue 18th January, 2022 to Mon 24th January, 2022).

d) Winds

Winds of more than 25 knots (12.9m/s) are expected over parts of Marsabit, Isiolo, Wajir, and Turkana (Lodwar) Counties, during the forecast period (Tue 18th January, 2021 to Mon 24th January, 2022)

REVIEW FOR LAST WEEK (10TH -16TH JANUARY, 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 |
|-------------|-----------------------|
| Eldoret Met | 76.5mm |

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 1:

| Station | Average weekly Maximum Temperature |
|-------------|------------------------------------|
| Lodwar Met | 37.9°C |
| Mandera Met | 36.7°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 2 below.

Table 2:

| Station | Average weekly Minimum Temperature |
|---------------|------------------------------------|
| Nyahururu Met | 5.9°C |

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