



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

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Biometeorological Services Division

WEEKLY BIOMETEOROLOGICAL BULLETIN (10TH MAY- 16TH MAY, 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 10TH MAY – 16TH MAY, 2022

a) Rainfall

Rainfall more than 50mm is expected in parts of Embu and Nyeri Counties during the forecast period (Tue 10th May, 2022 to Mon 16th May, 2022).

b) High Temperature

Maximum Temperatures of more than 35°C are expected in parts of Mandera and Turkana (Lodwar) during the forecast period (Tue 10th May, 2022 to Mon 16th May, 2022).

c) Low Temperature

Minimum Temperature of less than 10°C is expected in parts of Nyandarua (Nyahururu) County, during the forecast period (Tue 10th May, 2022 to Mon 16th May, 2022).

d) Winds

Winds of more than 25 knots (12.9m/s) are expected over parts of Marsabit, Wajir, Turkana(Lodwar), Mandera, Isiolo, Garissa, Mombasa, Mtwapa, Msabaha, Malindi and Lamu Counties, during the forecast period (Tue 10th May, 2022 to Mon 16th May, 2022)

REVIEW FOR LAST WEEK (2ND MAY – 8TH MAY, 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
Lamu Met	229.0mm
Kakamega Met	203.0mm
Mombasa Met	172.2mm
Msabaha Met	162.6mm
Mtwapa Met	138.4mm
Malindi Airport	124.3mm
Kabarak Met	91.4mm
Kericho Met	67.1mm
Kisii Met	57.1mm

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	36.3°C
Mandera Met	35.5°C

2.3 Low Temperatures

This section lists stations that recorded average Temperatures below 10°C in the last 7 days. All the stations recorded average temperature more than 10°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 ,Voi and Garissa 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