



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

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WEEKLY BIOMETEOROLOGICAL BULLETIN (27TH JULY-2ND AUGUST, 2021)

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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 27TH JULY-2ND AUGUST, 2021

a) Rainfall

Rainfall exceeding 50mm is expected in parts of Eldoret and Nakuru Counties, during the forecast period (Tue 27th July to Mon 2nd August, 2021).

b) High Temperature

Maximum Temperatures of less than 35°C are expected in parts of Country, during the forecast period (Tue 27th July to Mon 2nd August, 2021).

c) Low Temperature

Minimum Temperature of less than 10°C is expected in parts of Nyandarua (Nyahururu), Laikipia, Kericho, Nairobi (Ngong) and Machakos Counties, during the forecast period (Tue 27th July to Mon 2nd August, 2021).

d) Winds

Winds of more than 25 knots (12.9m/s) are expected over parts of Marsabit, Garissa, Wajir, Isiolo, Tanariver, Kilifi (Malindi), Lamu and Voi Counties, during the forecast period (Tue 27th July to Mon 2nd August, 2021)

REVIEW FOR LAST WEEK (19TH -25TH JULY, 2021)

2.1 High Rainfall

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

Table 1:

Station	Total weekly Rainfall
Nyahururu Met	84.0mm
Kangema Met	50.2mm

2.2 High Temperatures

This section lists stations that recorded Average Temperatures exceeding 35°C in the last 7 days. All Met stations recorded weekly average Temperatures below 35°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	9.3°C

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, Voi, Malindi and Garissa 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.

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