



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT AND FORESTRY

KENYA METEOROLOGICAL DEPARTMENT

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Biometeorological Services Division

WEEKLY BIOMETEOROLOGICAL BULLETIN (28TH JUNE- 4TH JULY, 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 28TH JUNE - 4TH JULY, 2022

a) Rainfall

Rainfall more than 50mm is expected over most parts of Kitale and Bungoma Counties during the forecast period (Tue 28th June, 2022 to Mon 4th July, 2022).

b) High Temperature

Maximum Temperatures of less than 35°C are expected in parts of Country, during the forecast period (Tue 28th June, 2022 to Mon 4th July, 2022).

c) Low Temperature

Minimum Temperature of less than 10°C is expected in parts of Nyandarua (Nyahururu), Eldoret Airport, Kitale, Narok, Nairobi, Kajiado(Ngong) and Kericho Counties, during the forecast period (Tue 28th June, 2022 to Mon 4th July, 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 28th June, 2022 to Mon 4th July, 2022).

REVIEW FOR LAST WEEK (20TH JUNE – 26TH JULY, 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	61.5mm
Kericho Met	56.0mm
Kakamega Met	52.6mm

2.2 High Temperatures

This section lists stations that recorded average Temperatures not exceeding 35°C in the last 7 days.

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	8.7°C

2.4 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 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