



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT AND FORESTRY

KENYA METEOROLOGICAL DEPARTMENT

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Biometeorological Services Division

WEEKLY BIOMETEOROLOGICAL BULLETIN (6TH SEPTEMBER- 12TH SEPTEMBER, 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 6TH SEPTEMBER – 12TH SEPTEMBER, 2022

a) Rainfall

Rainfall more than 50mm is expected over parts of Transzoia (Kitale), Uasin Gishu (Eldoret) and Elgeyo Marakwet Counties during the forecast period (Tue 6th September, 2022 to Mon 12th September, 2022).

b) High Temperature

Maximum Temperatures of more than 35°C are expected over most parts of Mandera County during the forecast period (Tue 6th September, 2022 to Mon 12th September, 2022).

c) Low Temperature

Minimum Temperature of less than 10°C is expected in parts of Nyandarua (Nyahururu) County, during the forecast period (Tue 6th September, 2022 to Mon 12th September, 2022).

d) Winds

Winds of more than 25 knots (12.9m/s) are expected over parts of Marsabit, Wajir, Turkana (Lodwar), Mandera, Isiolo, Malindi, Mtwapa, Mombasa, Garissa, and Lamu Counties, during the forecast period (Tue 6th September, 2022 to Mon 12th September, 2022).

REVIEW FOR LAST WEEK (29TH AUGUST – 3RD SEPTEMBER, 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
Kisumu Met	85.9mm
Kericho Met	51.7mm

2.2 High Temperatures

This section lists stations that recorded average Temperatures exceeding 35°C in the last 7 days. Average weekly maximum Temperature recorded in the Country was not more than 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	7.7°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