



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT AND FORESTRY

KENYA METEOROLOGICAL DEPARTMENT

Dagoretti Corner, Ngong Road, P. O. Box 30259, 00100 GPO, Nairobi, Kenya

Telephone: 254 (0) 20 3867880-7, **Fax:** 254 (0) 20 3876955/3877373/3867888,

E-mail: director@meteo.go.ke, info@meteo.go.ke; **Website:** <http://www.meteo.go.ke>

Biometeorological Services Division

WEEKLY BIOMETEOROLOGICAL BULLETIN (20TH SEPTEMBER- 26TH SEPTEMBER 2022)

Ref No: KMD/MM/1-2022

Issue Date: 19/09/2022

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 20TH SEPTEMBER – 26TH SEPTEMBER, 2022

a) Rainfall

Rainfall less than 50mm is expected over most parts of the Country during the forecast period (Tue 20th September, 2022 to Mon 26th September, 2022).

b) High Temperature

Maximum Temperatures of more than 35°C are expected over most parts of Mandera and Lodwar Counties during the forecast period (Tue 20th September, 2022 to Mon 26th 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 20th September, 2022 to Mon 26th September, 2022).

d) Winds

Winds of more than 25 knots (12.9m/s) are expected over parts of Marsabit, Wajir, Kajiado, Turkana (Lodwar), Mandera, Isiolo, Malindi, Mtwapa, Msabaha, Mombasa, Garissa, and Lamu Counties, during the forecast period (Tue 20th September, 2022 to Mon 26th September, 2022).

REVIEW FOR LAST WEEK (12TH SEPTEMBER – 18TH 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
Kitale Met	83.7mm
Kericho Met	54.6mm

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
Mandera Met	35.8°C
Lodwar (Turkana) Met	35.5°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 3 below.

Table 3:

Station	Average weekly Minimum Temperature
Nyahururu Met	7.2°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, Garissa and Malindi 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