



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 (23RD AUGUST- 29TH AUGUST, 2022)

Ref No: KMD/MM/1-2022

Issue Date: 22/08/2022

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 23RD AUGUST – 29TH AUGUST, 2022

a) Rainfall

Rainfall more than 50mm is expected over parts of Transzoia (Kitale), Uasin Gishu (Eldoret, Eldoret Airport) and Elgeyo Marakwet Counties during the forecast period (Tue 23rd August, 2022 to Mon 29th August, 2022).

b) High Temperature

Maximum Temperatures of more than 35°C are expected over most parts of Mandera and Turkana (Lodwar) County during the forecast period (Tue 23rd August, 2022 to Mon 29th August, 2022).

c) Low Temperature

Minimum Temperature of less than 10°C is expected in parts of Nyandarua (Nyahururu) County, during the forecast period (Tue 23rd August, 2022 to Mon 29th August, 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, Kilifi(Mtwapa, Msabaha, Malindi)and Lamu Counties, during the forecast period (Tue 23rd August, 2022 to Mon 29th August, 2022).

REVIEW FOR LAST WEEK (15TH AUGUST – 21ST AUGUST, 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
Kericho Met	90.8mm
Kitale Met	52.2mm

2.2 High Temperatures

This section lists stations that recorded average Temperatures not exceeding 35°C in the last 7 days. This is shown in Table 2 below.

Table 2:

Station	Average weekly Maximum Temperature
Mandera Met	35.3°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	7.7°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 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