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MINISTRY OF ENVIRONMENT AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

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Biometeorological Services Division

WEEKLY BIOMETEOROLOGICAL BULLETIN (10TH -16TH NOVEMBER, 2020)

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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 has the role of collection, analysis and interpretation of meteorological data as well as forecasting meteorological information for human health in partnership with the health sector.

2 REVIEW FOR LAST WEEK (3RD -9TH NOVEMBER, 2020)

2.1 Health-Risk areas due to High Rainfall

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

Table 1:

Station	Total weekly Rainfall (3 rd -8 th November ,2020)
Meru Met	264.8 mm
Embu Met	190.1 mm
Kangema Met	150.9 mm
Thika Met	94.5 mm
Nyeri Met	80.4 mm
Msabaha Met	79.2mm
Kisii Met	76.2 mm
Kitui Met	74.3 mm
Marsabit Met	73.8 mm
Kericho Met	73.2 mm
Malindi Met	59.7 mm

2.2 Health-Risk areas due to High Temperatures

There were no stations that recorded average weekly Temperatures exceeding 35°C in the last 7 days.

2.3 Health-Risk areas due to Low Temperatures

There were no stations that recorded average weekly Temperatures below 10°C in the last 7 days.

2.4 Strong Winds

This sections list stations that recorded winds with speeds of more than 25knots (46km/hr) in the last 7 days. No Station that recorded Winds of more than 25 knots (46km/hr) over the Country.

FORECAST FOR 10TH -16TH NOVEMBER, 2020

a) Rainfall

Total weekly rainfall exceeding 50mm is expected in the Counties of Kakamega, Uasin Gishu(Eldoret) , Baringo, Embu ,Kericho, Kisumu, Kisii, Nairobi, Nakuru , Meru, Machakos, Kitui, Makueni, Tana river and Isiolo during the forecast period (Tue 10th November to Mon 16th November, 2020).

b) High Temperature

Average Weekly Maximum Temperatures of more than 35°C are expected in the Counties of Mandera, Wajir (Wajir East Sub County) and Lodwar (Turkana Sub County).

c) Low Temperature

Average Weekly Minimum Temperature of less than 10°C is expected in Nyahururu (Oljorooko Sub-County).

d) Winds

No Winds of more than 25 knots (46km/hr) are expected over the Country during the forecast period (Tue 10th November to Mon 16th November, 2020).

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 especially in areas prone to Malaria) diseases.

Residents living in areas prone to Malaria cases e.g. Western Kenya Highlands (Kisii, Kakamega and Kericho) keep the environment clean and cut grass to avoid breeding of Mosquitoes.

Residents living in areas prone to floods should be on the lookout and take necessary action to avoid contaminated water.

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 have a high likelihood of cold and flu diseases due to blown dust.

N.B: This forecast is to be used together with the daily (24-hour) forecast issued by this Department.

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DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT