WEEKLY BIOMETEOROLOGICAL BULLETIN (2ND - 8TH MARCH, 2021)

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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 PAST WEATHER (22ND FEBRUARY - 28TH MARCH, 2021)

2.1 Health-Risk areas due to High Rainfall

This section lists stations that recorded total weekly Rainfall exceeding 50mm in the last 7 days. Kakamega meteorological station recorded 66.8mm.

2.2 Health-Risk areas due to High Temperatures

This section lists stations that recorded average Temperatures above 35°C in the last 7 days. Mandera met (38.1°C), Lodwar met (35.9°C) and Voi met (35.3°C).
2.3 Health-Risk areas due to Low Temperature

This section lists stations that recorded average Temperatures below 10°C in the last 7 days. Nyahururu (Nyandarua) recorded (8.8°C), Nyeri(9.2°C). Laikipia met (9.4°C), Eldoret met(9.7°C), Kericho met(9.4°C) and Kabarak met (9.9°C).

Strong Winds

This sections list stations that recorded winds with speeds of more than 25knots (12.9m/s) in the last 7 days. Winds of more than 25 knots (12.9m/s) were recorded in Marsabit met station.
Today's Forecast:

**a) Rainfall**

Most parts of the Country are expected to receive total weekly rainfall less than 50mm during the forecast period (Tue 2\textsuperscript{nd} March to Mon 8\textsuperscript{th} March, 2021).

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**b) High Temperature**

Counties expected to receive average Temperature of more than 35°C are parts of Mandera, Isiolo, Tana river, Wajir, Garissa and Turkana (Lodwar).
c) Low Temperature

Counties expected to experience average Temperature of less than 10° C are parts of Nyandarua (Nyahururu), Meru, Nyeri, and Kirinyaga

d) Strong winds

Strong winds of more than 25 knots (12.9 m/s.) are expected over parts of Marsabit and Turkana Counties during the forecast period (Tue 2nd March to Mon 8th March, 2021).

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.
The areas expected to experience more than 35° C therefore high likelihood of skin diseases e.g., skin rush.
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.
Winds of more than 25 knots have a high likelihood of cold and flu diseases due to blown dust.

Residents are advised to be on the lookout and take necessary action.

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

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