



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

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Biometeorological Services Division

WEEKLY BIOMETEOROLOGICAL BULLETIN (6TH -12TH APRIL 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 collects, analyzes, interprets meteorological data and issues the human health related forecast in partnership with the health sector.

2 REVIEW FOR LAST WEEK (29TH MARCH -4TH APRIL 2021)

2.1 High Rainfall

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

Table 1:

| Station | Total weekly Rainfall |
|----------------|------------------------------|
| Kangema Met | 120.7mm |
| Kericho Met | 120 mm |
| Thika Met | 83.7mm |
| Kitale Met | 68.5mm |
| Embu Met | 60.5mm |
| Makindu Met | 60mm |

2.2 High Temperatures

This section lists stations that recorded Average Temperatures exceeding 35°C in the last 7 days. These are shown in Table 2 below.

Table 2:

| Station | Average weekly Maximum Temperature |
|----------------|---|
| Mandera Met | 38.2°C |
| Lodwar Met | 37.7°C |

2.3 Low Temperatures

This section lists stations that recorded Average Temperatures below 10°C in the last 7 days. These are shown in Table 3 below.

Table 3:

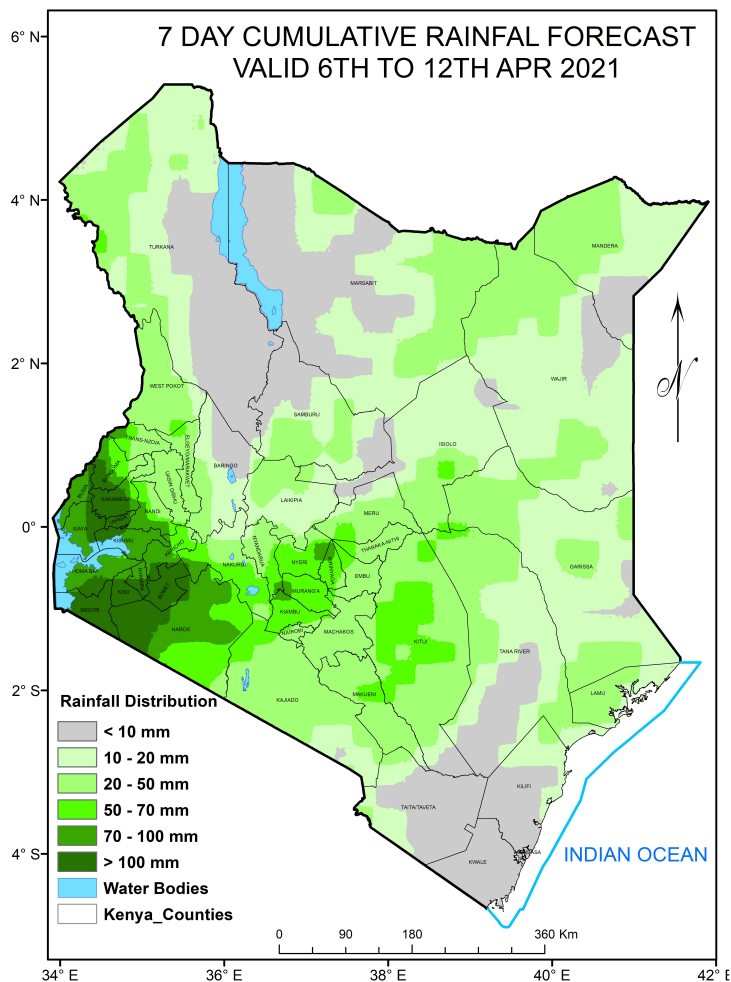
| Station | Average weekly Minimum Temperature |
|---------------|------------------------------------|
| Nyahururu Met | 8.8°C |

2.4 High Winds

This sections list stations that recorded winds with speeds of more than 25knots (12.9 metres per sec) in the last 7 days. This was experienced in Marsabit met station.

3 FORECAST FOR 6TH -12TH APRIL 2021

a) Rainfall

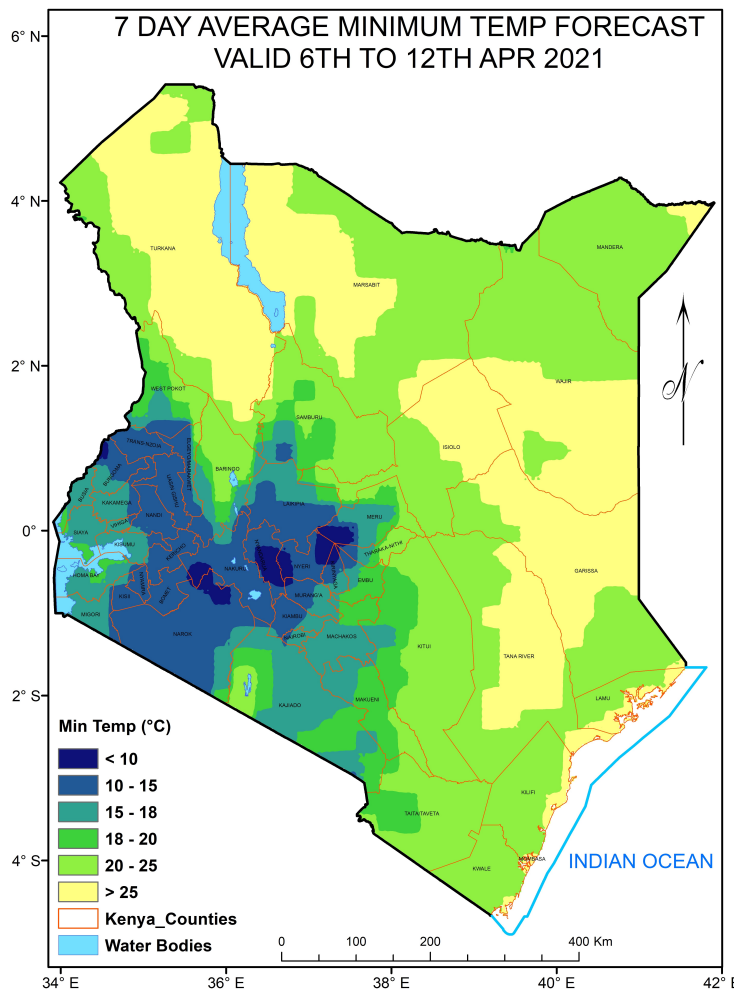


Rainfall exceeding 50mm are expected in parts of Busia, Kakamega, Bungoma, Nandi, Vihiga, Homabay, Kisumu, Siaya, Kericho, Bomet, Nyamira, Ksii, Migori, Vihiga, Narok, Nyeri, Kirinyaga, Muranga, Kiambu, Kitui and Nyeri Counties, during the forecast period (Tue 6thApril to Mon 12th April, 2021).

b) High Temperature

Maximum Temperatures of more than 35°C are expected in parts of Mandera and Turkana (Lodwar) Counties, during the forecast period (Tue 6th April to Mon 12th April, 2021).

c) Low Temperature



Minimum Temperature of less than 10°C is expected in parts of Nyandarua (Nyahururu), Nyeri, Meru and Narok Counties, during the forecast period (Tue 6th April to Mon 12th April, 2021).

d) Winds

Winds of more than 25 knots(12.9m/s) are expected over parts of Marsabit, Garissa, Isiolo, Wajir and Turkana(Lodwar) Counties during the forecast period (Tue 6th April to Mon 12th April, 2021).

4 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.

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

Stella Aura, MBS

DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT