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SEVEN-DAY WEATHER FORECAST VALID 4 TO 10 JUNE 2024

HIGHLIGHTS

Forecast for 4 to 10 June 2024

- Rainfall is expected over a few areas in the Highlands East and West of the Rift Valley, the Lake Victoria Basin and the Rift Valley. The rest of the country is likely to be generally dry.
- Intermittent cold and cloudy conditions are expected over some parts the Highlands East and West of the Rift Valley, the South-eastern lowlands and the Rift Valley.

Weather Review for 27 May to 2 June 2024

- Most parts of the country were generally dry. Rainfall was recorded in a few stations in the Highlands East and West of the Rift Valley and the Lake Victoria Basin.
- Day-time (maximum) temperatures increased over most parts of the country though a number of stations including Marsabit, Moyale and Garissa recorded decreases.
- Night-time (minimum) temperatures decreased throughout the country with only a few stations such as Lodwar, Lamu and Malindi recording warming.

1 FORECAST FOR 4 TO 10 JUNE 2024

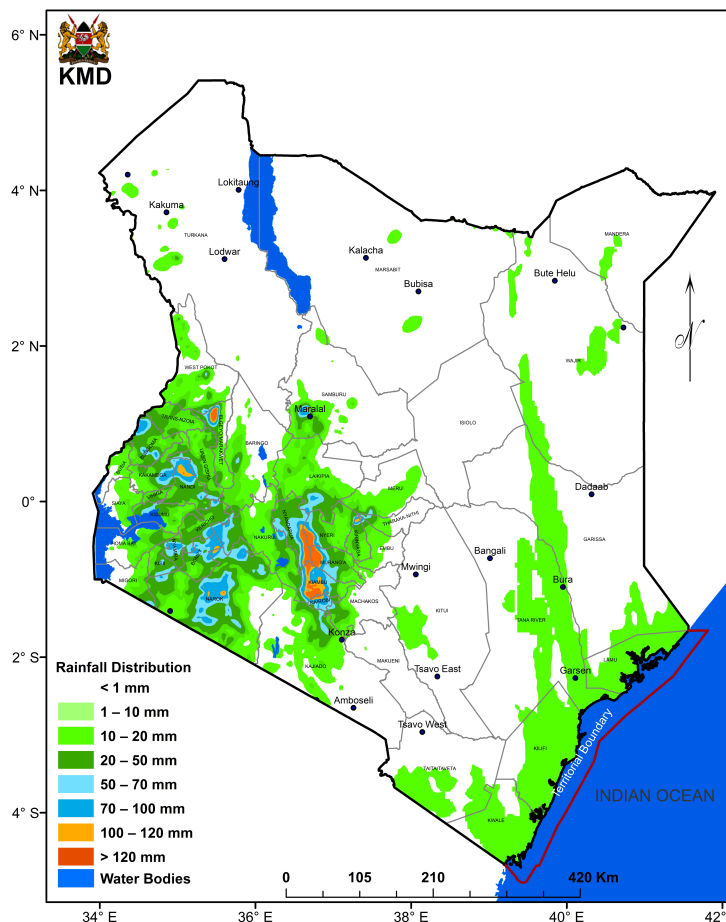


FIG 1: FORECASTED SEVEN-DAY TOTAL RAINFALL FOR 4 TO 10 JUNE 2024

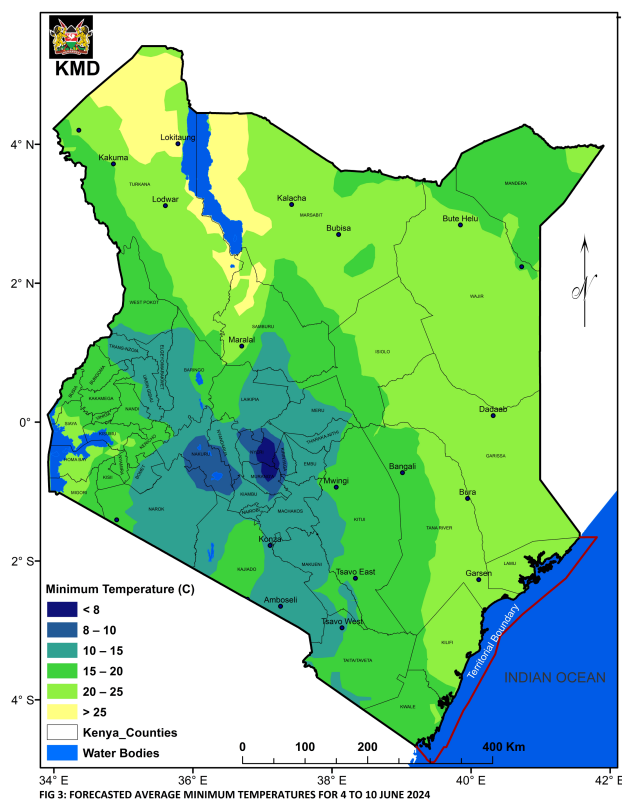
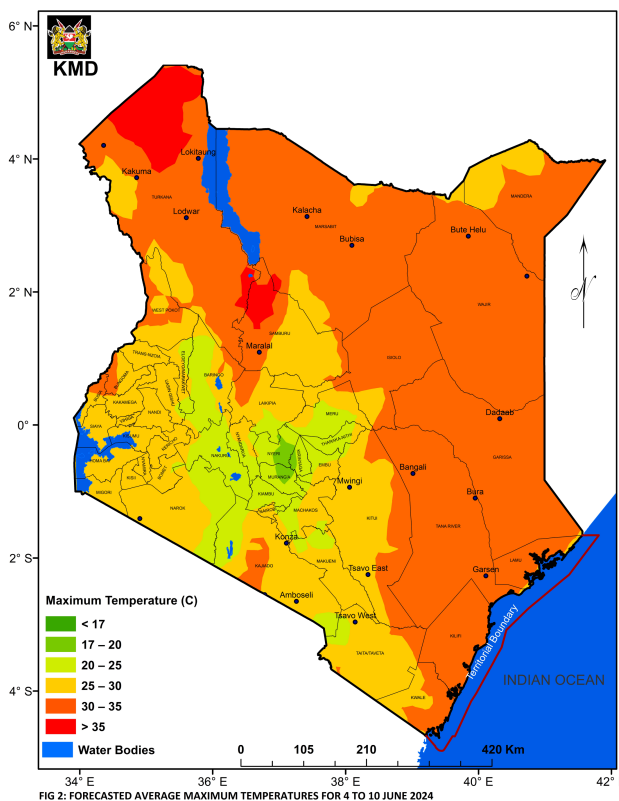
Rainfall is expected over a few areas in the Highlands East and West of the Rift Valley, the Lake Victoria Basin and the Rift Valley as shown in **Figure 1**. The rest of the country is likely to be generally dry.

High average daytime (maximum) temperatures of more than 30°C will be experienced in some parts of the Coast, North-eastern and North-western Kenya as shown in **Figure 2**.

Average night-time (minimum) temperatures will be low (less than 10°C) over some parts of the Highlands East of the Rift Valley and the Central Rift Valley as shown in **Figure 3**.

Intermittent cold and cloudy conditions are expected over some parts of the Highlands East and West of the Rift Valley, the South-eastern lowlands and the Rift Valley.

Strong southerly to south-easterly winds with speeds exceeding 25 knots (12.9 m/s) are expected over some parts of the Coast, North-eastern and North-western Kenya.



1.1 DETAILED REGIONAL RAINFALL FORECAST FOR 4 TO 10 JUNE 2024

1.1.1 The Highlands West of the Rift Valley, the Lake Victoria Basin and the Rift Valley (*Kisii, Nyamira, Nandi, Kericho, Bomet, Kakamega, Vihiga, Bungoma, Siaya, Kisumu, Homabay, Busia, Migori, Narok, Baringo, Nakuru, Trans-Nzoia, Uasin-Gishu, Elgeyo-Marakwet and West-Pokot Counties*):

Sunny intervals are expected in the morning though a few areas may receive light rains. Afternoon and night showers and thunderstorms are expected over few places occasionally spreading to several places.

1.1.2 North-western Kenya (*Turkana and Samburu Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy. However, areas bordering Uganda/South Sudan are likely to experience morning rains as well as afternoon and night showers.

1.1.3 The Highlands East of the Rift Valley (including Nairobi County) (*Nyandarua, Laikipia, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, Tharaka-Nithi and Nairobi Counties*):

Mornings are likely to be cloudy, with light rains over few places, giving way to sunny intervals. Occasional afternoon and night showers are expected over few places.

1.1.4 North-eastern Kenya (*Marsabit, Mandera, Wajir, Garissa and Isiolo Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy.

1.1.5 The South-eastern lowlands (*Machakos, Kitui, Makueni, Kajiado and Taita-Taveta Counties*):

Mornings are likely to be cloudy, with light rains over few places, giving way to sunny intervals. Light afternoon showers are expected over few places during the first half of the forecast period. Nights are likely to be partly cloudy.

1.1.6 The Coast (*Mombasa, Tana-River, Kilifi, Lamu and Kwale Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy. However, there is a possibility of occasional morning showers occurring over few places.

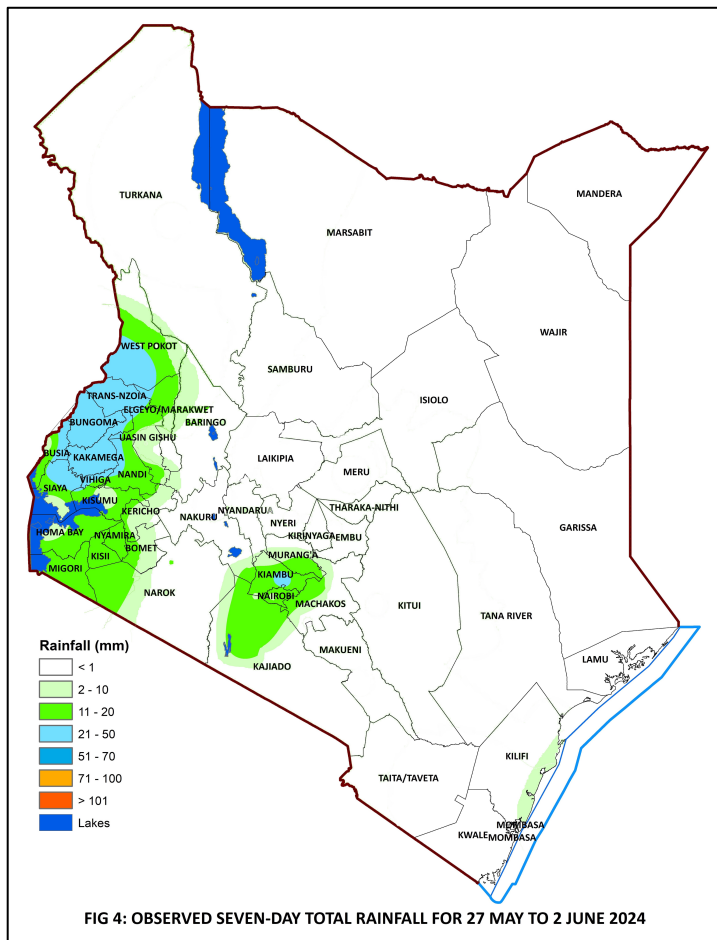
1.2 DETAILED TEMPERATURE FORECAST FOR 4 TO 10 JUNE 2024

Expected maximum and minimum temperatures for selected towns and cities are shown in **Table 1**.

CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)
LODWAR	37.0	27.0	SUBA	30.0	20.0	THIKA	28.0	14.0
MARSABIT	27.0	17.0	NAKURU	28.0	13.0	NGONG	25.0	13.0
MOYALE	28.0	18.0	KABARAK	27.0	13.0	MACHAKOS	27.0	11.0
GARISSA	37.0	23.0	NAROK	25.0	13.0	MAKINDU	32.0	15.0
MANDERA	37.0	20.0	NYAHURURU	24.0	07.0	KITUI	28.0	13.0
KITALE	29.0	13.0	KANGEMA	25.0	14.0	VOI	34.0	19.0
KAKAMEGA	30.0	15.0	NYERI	27.0	12.0	LAMU	32.0	26.0
ELDORET	25.0	11.0	EMBU	26.0	12.0	MALINDI	31.0	25.0
KERICHO	27.0	12.0	MERU	25.0	13.0	MSABAHA	31.0	24.0
KISII	29.0	16.0	LAIKIPIA	28.0	10.0	MTWAPA	32.0	23.0
KISUMU	31.0	18.0	NAIROBI	28.0	13.0	MOMBASA	32.0	22.0

2 WEATHER REVIEW FOR 27 MAY TO 2 JUNE 2024

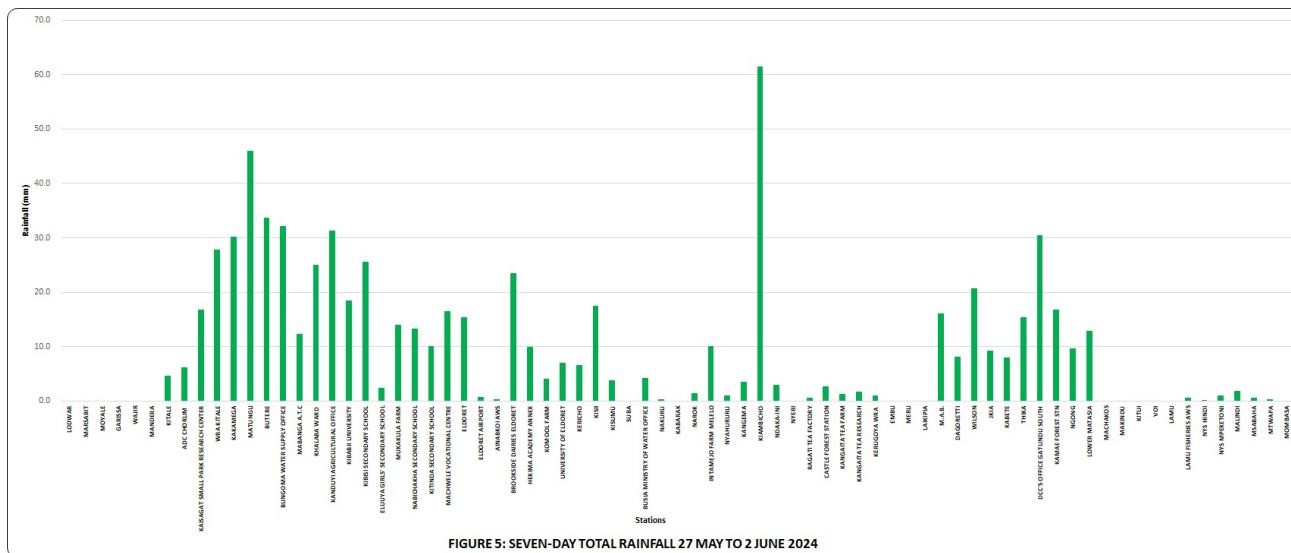
2.1.1 Rainfall Review



Most parts of the country were generally dry. Rainfall was recorded in a few stations in the Highlands East and West of the Rift Valley and the Lake Victoria Basin as shown in **Figures 4 & 5**.

Comparing the 20 to 26 May 2024 and the 27 May to 2 June 2024 periods, it is noted that there was a decrease in rainfall amounts over most parts of the country.

The highest seven-day rainfall total (61.5 mm) was recorded at Kiambicho Forest Station in Murang'a County.



2.2 Temperature Review

Comparing the 20 to 26 May 2024 and the 27 May to 2 June 2024 periods, it is noted that day-time (maximum) temperatures increased over most parts of the country though a number of stations including Marsabit, Moyale and Garissa recorded decreases. Night-time (minimum) temperatures decreased throughout the country with only a few stations such as Lodwar, Lamu and Malindi recording warming.

Mandera Meteorological Station recorded the highest daily maximum temperature: 37.4°C on 2 June 2024 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature: 7.1°C on 27 May 2024. The same stations recorded the highest seven-day average maximum temperature and the lowest seven-day average minimum temperature: 36.9°C and 7.7°C respectively (see Figure 6).

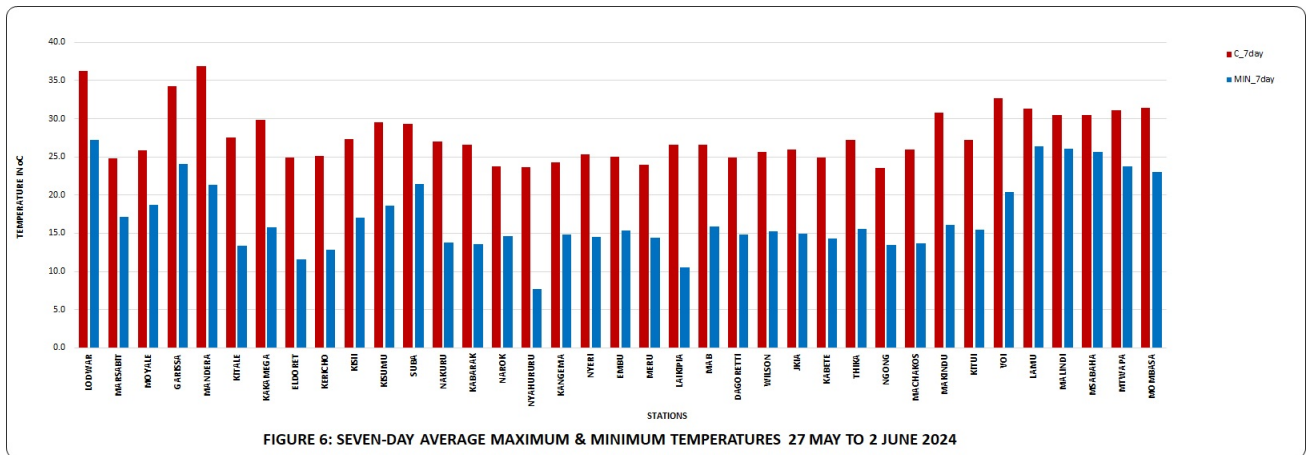


FIGURE 6: SEVEN-DAY AVERAGE MAXIMUM & MINIMUM TEMPERATURES 27 MAY TO 2 JUNE 2024

N.B: This forecast should be used in conjunction with the daily (24-hour) and five-day forecasts issued by this Department. County specific forecasts are available from the offices of respective County Directors of Meteorology.

KEY OF SCIENTIFIC WORDS USED

<i>24-hour rainfall categories</i>	
<i>Range</i>	<i>Category</i>
<5mm	Light
5-20mm	Moderate
20-50mm	Heavy
>50mm	Very heavy

<i>Rainfall coverage</i>	
<i>Term</i>	<i>Meaning</i>
Most places	Between 66% and 100%
Several places	Between 33% and 66%
Few places	Less than 33%

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