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SEVEN-DAY WEATHER FORECAST VALID 21 TO 27 MAY 2024

HIGHLIGHTS

Forecast for 21ST to 27TH May 2024

- Rainfall is expected to continue over the Lake Basin, Highlands East and West of the Rift Valley, Central and southern Rift Valley, North-western, parts of the Coast and North-eastern regions, the Lake Victoria Basin and the Rift Valley

Weather Review for 13TH to 19TH May 2024

- Rainfall was recorded in several parts of the country.
- Day-time (maximum) temperatures increased over a number of stations including Voi, Thika and Garissa among others and decreased over Kakamega, Kericho and Kisii.
- Night-time (minimum) temperatures decreased over a number of stations including Kitale, Eldoret and Lodwar among others and decreased over Lamu, Malindi and Suba among others.

1 FORECAST FOR 21ST TO 27TH MAY 2024

Rainfall is expected to continue over the Lake Basin, Highlands East and West of the Rift Valley, Central and southern Rift Valley, North-western, parts of the Coast and North-eastern regions, the Lake Victoria Basin and the Rift Valley as shown in **Figure 1**. Isolated heavy rainfall events may occur over some parts of these regions.

High average daytime (maximum) temperatures of more than 30°C will be experienced in most 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 as shown in **Figure 3**.

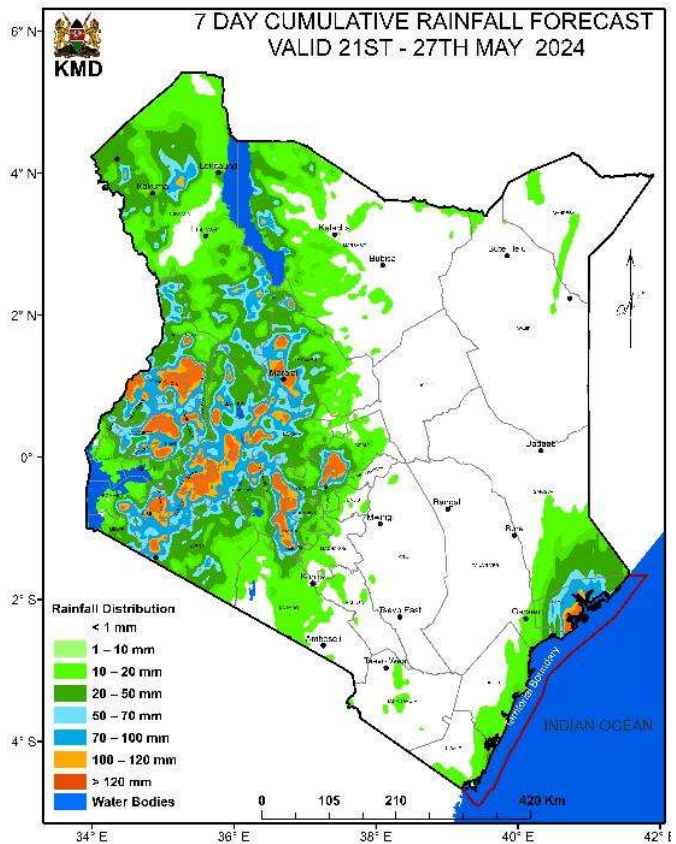


FIGURE 1: FORECASTED SEVEN DAY RAINFALL FOR 21ST TO 27TH MAY, 2024

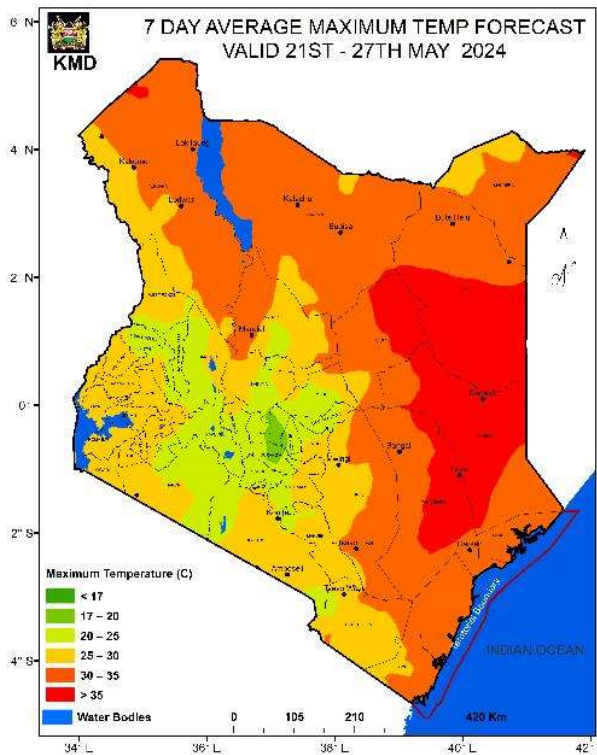


FIGURE 2: FORECASTED SEVEN DAY MAXIMUM TEMPERATURE FOR 21ST TO 27TH MAY, 2024

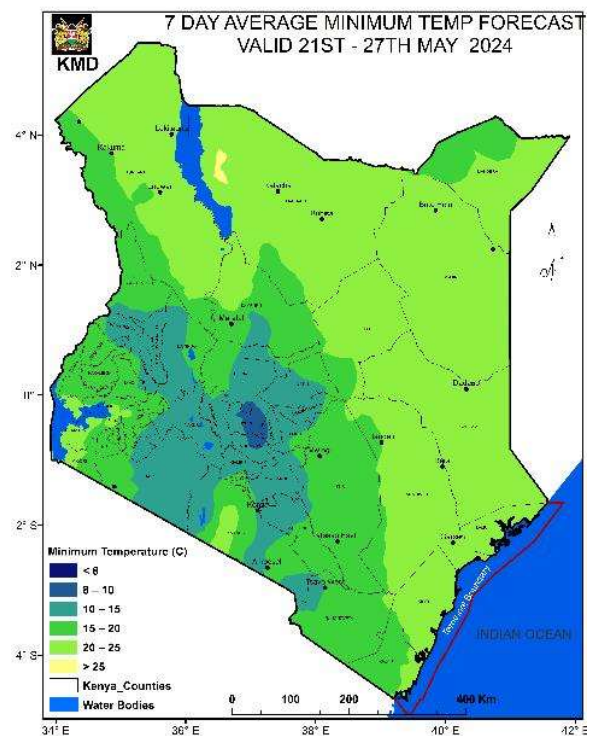


FIGURE 3: FORECASTED SEVEN DAY MINIMUM TEMPERATURE FOR 21ST TO 27TH MAY, 2024

1.1 DETAILED REGIONAL RAINFALL FORECAST FOR 21ST TO 27TH MAY 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*):

Morning rains are likely to occur over few places occasionally spreading to several places. Afternoon and night showers and thunderstorms are expected over several places.

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

Morning rains as well as afternoon and night showers and thunderstorms are expected over few places occasionally spreading to several places at the beginning of the forecast period, and sunny and dry conditions for the remainder of the week.

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*):

Morning rains are likely to occur over few places. Afternoon and night showers and thunderstorms are expected over several 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. Occasional rainfall is however likely in Marsabit and Garissa counties.

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

Sunny intervals are expected during the day while nights are likely to be partly cloudy. Occasional rainfall over few places is likely in Kajiado and Machakos counties.

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

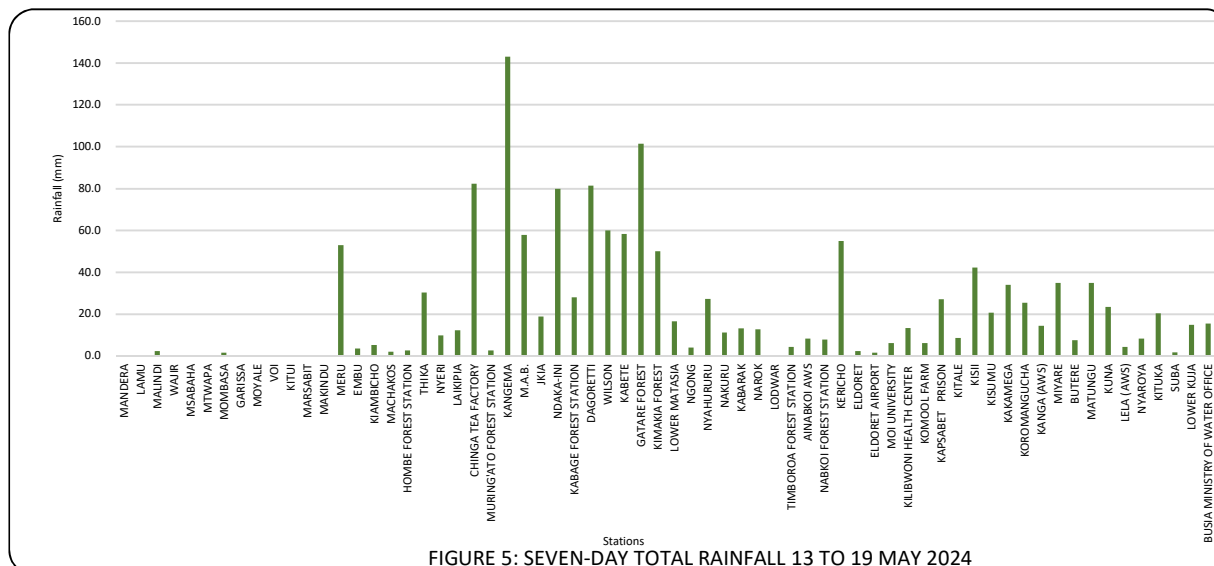
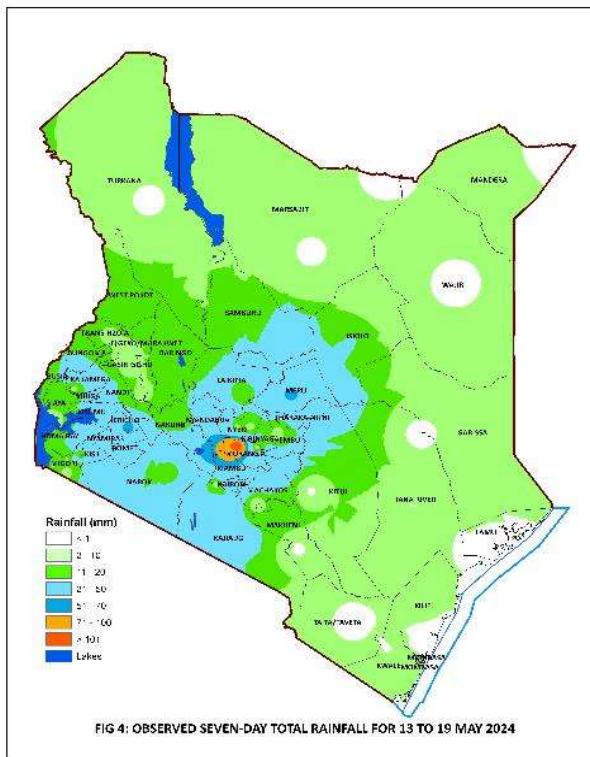
Morning, afternoon and night showers are expected over few places occasionally spreading to several places at the beginning of the forecast period and sunny and dry conditions for the remainder of the week. Strong southerly to south-easterly winds with speeds exceeding 25 knots (12.9 m/s) are expected over the Coast.

2 WEATHER REVIEW FOR 13TH TO 19TH MAY 2024

2.1.1 Rainfall Review

Rainfall continued to be recorded in several parts of the country as shown in **Figures 4 & 5**.

Comparing the 6th to 12th May and the 13th to 19th May 2024 periods, it is noted that there was a decrease in rainfall amounts over the several parts of the country and an increase over few parts of Central and Nairobi regions



The highest seven-day rainfall total (143.0 mm) was recorded at Kangema Meteorological Station. Other stations that recorded significant rainfall totals during the review period are shown in **Table 1**.

STATION	COUNTY	SEVEN-DAY TOTAL RAINFALL (mm)
GATARE FOREST STATION	MURANG'A	101.5
CHINGA TEA FACTORY STATION	NYERI	82.4
DAGORETTI METEOROLOGICAL STATION	NAIROBI	81.4
NDAKA-INI STATION	MURANG'A	79.9
WILSON METEOROLOGICAL STATION	NAIROBI	60.0
KABETE METEOROLOGICAL STATION	NAIROBI	58.4
M.A.B. METEOROLOGICAL STATION	NAIROBI	57.9
KERICHO METEOROLOGICAL STATION	NAIROBI	54.9
MERU METEOROLOGICAL STATION	MERU	53.1
KIMAKIA FOREST STATION	MURANG'A	50.0

Kangema Meteorological Station recorded the highest amount of rainfall within 24-hours: 64.0 mm on 18th May 2024. Other stations that recorded very heavy rainfall (more than 30 mm within 24 hours) are shown in **Table 2**.

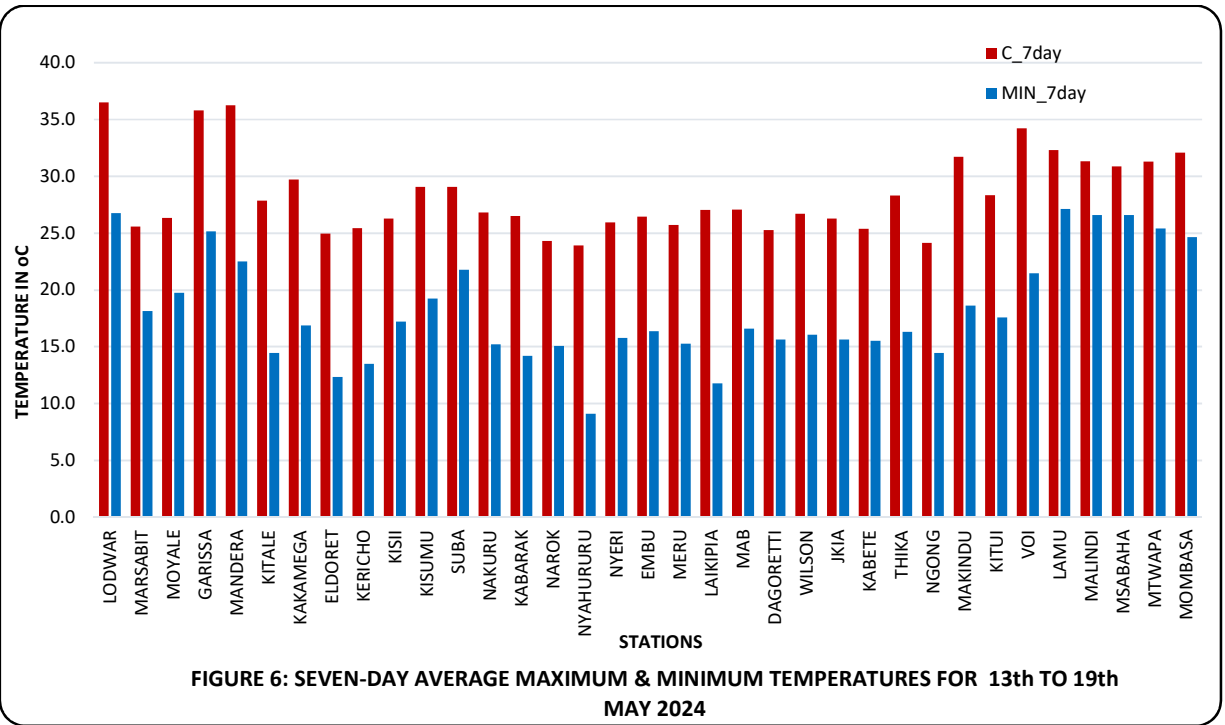
STATION	COUNTY	AMOUNT (mm)	DATE
WILSON METEOROLOGICAL STATION	NAIROBI	57.9	18 May 2024
MOI AIRBASE METEOROLOGICAL STATION	NAIROBI	57.5	16 May 2024
DAGORETTI METEOROLOGICAL STATION	NAIROBI	43.2	16 May 2024
KABETE METEOROLOGICAL STATION	KIAMBU	34.9	18 May 2024
KERICHO METEOROLOGICAL STATION	KERICHO	32.2	16 May 2024
MERU METEOROLOGICAL STATION	MERU	26.4	14 May 2024
NYAHURURU METEOROLOGICAL STATION	NYANDARUA	26.3	16 May 2024

2.2 Temperature Review

Comparing the 29th April to 5th May 2024 and the 6th to 12th May 2024 periods, it is noted that day-time (maximum) temperatures increased over a number of stations including Voi, Thika and Garissa among others and decreased over Kakamega, Kericho and Kisii.

Night-time (minimum) temperatures decreased over a number of stations including Kitale, Eldoret and Lodwar among others and decreased over Lamu, Malindi and Suba among others.

Mandera Meteorological Station recorded the highest daily maximum temperature: 37.7^oC on 17th May 2024 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature: 7.9^oC on 15th May 2024. Lodwar Meteorological Station stations recorded the highest seven-day average maximum temperature of 36.5^oC and Nyahururu had the lowest seven-day average minimum temperature of 9.1^oC (see **Figure 6**).



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

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

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

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