



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 27TH
NOVEMBER TO 3RD DECEMBER, 2018

Issue date: 26th November, 2018

Review of weather for the last seven-day period (19th to 25th Nov, 2018):

- Rainfall was recorded over several parts of the country. Parts of the Southeastern Lowlands recorded heavy rainfall
- Day-time (maximum) and Night-time (minimum) temperatures increased and decreased over parts of the country.

Forecast for the next seven days (27th Nov to 3rd Dec, 2018):

The forecast indicates that:

- Rainfall is expected over several parts across the country during the forecast period.

1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (19TH TO 25TH NOVEMBER, 2018)

1.1 Rainfall Review

Rainfall was recorded over several parts of the country. Parts of the Southeastern Lowlands recorded heavy rainfall as depicted in **Figures 1** and **2**. A comparison between the previous seven days (12th to 18th November, 2018) with the period under review (19th to 25th November, 2018) indicate increase in rainfall amounts over the Southeast Lowlands and the Highlands East of the Rift Valley. However, there was a decrease over Highlands West of the Rift Valley and Northeastern.

During the period under review, Kitui Meteorological Station recorded the highest seven-day total rainfall of 148.3mm. Other areas that recorded significant seven-day total rainfall amounts include Machakos Meteorological Station (107.7mm), Dagoretti Meteorological Station (36.3mm), Meru Meteorological Station (34.8mm), Tuthu Rainfall Station in Murang'a County (33.6mm) and Nyeri Meteorological Station (33.3mm).

Kitui Meteorological Station recorded the highest amount of rainfall within 24 hours i.e. 101.2mm on 20th November, 2018 and Machakos Meteorological Station 66.2mm on 19th November. Other areas that recorded heavy rainfall (20-50mm within 24hrs) include Nyeri 28.5mm and Dagoretti 26.3mm Meteorological Stations as well as Tuthu Rainfall Station 25.1mm on 19th November, as depicted in **Figure 3**.

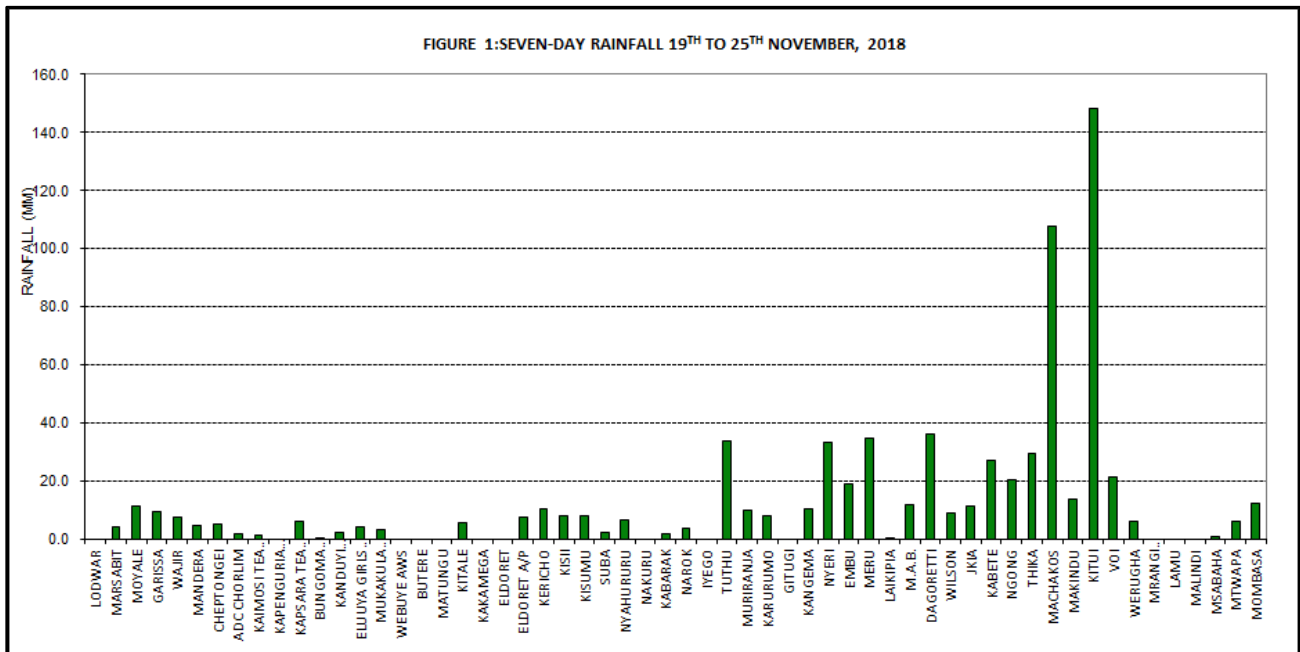


FIG 2: RAINFALL TOTALS FOR 19TH TO 25TH NOVEMBER, 2018

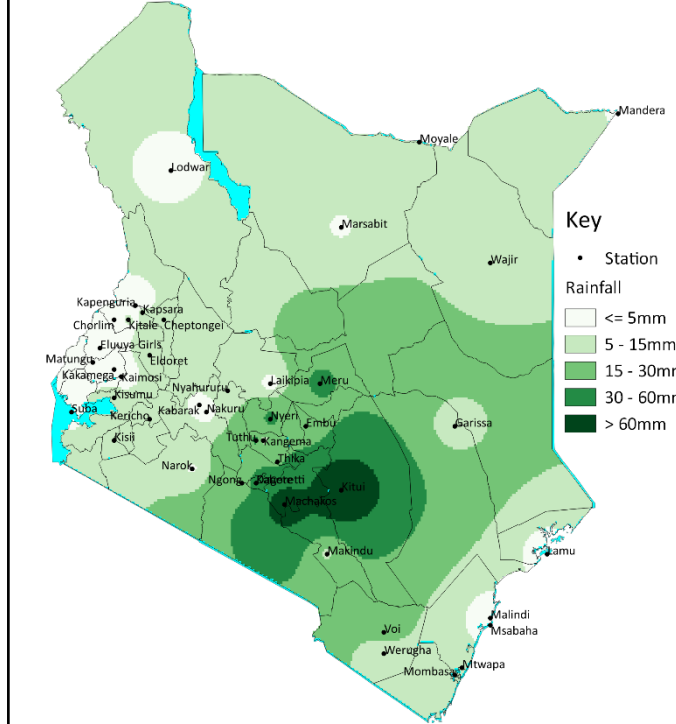
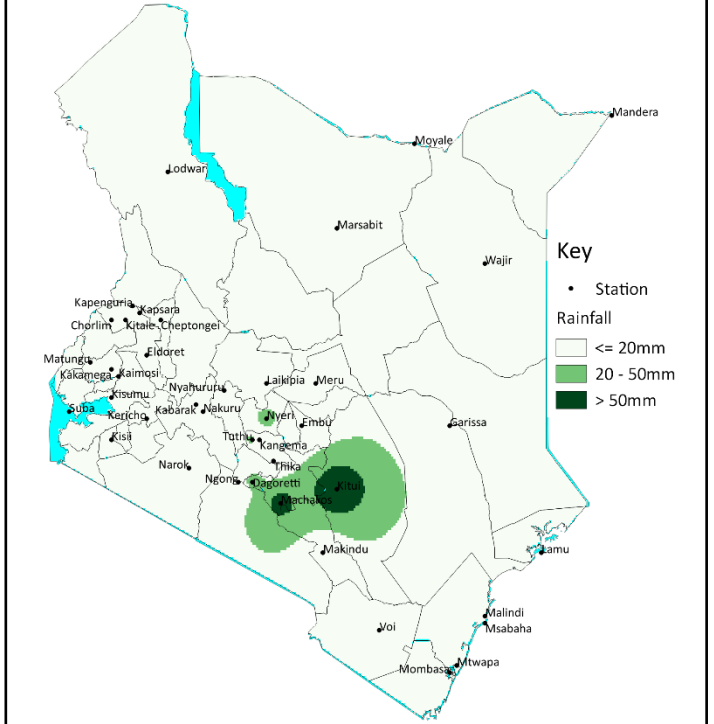


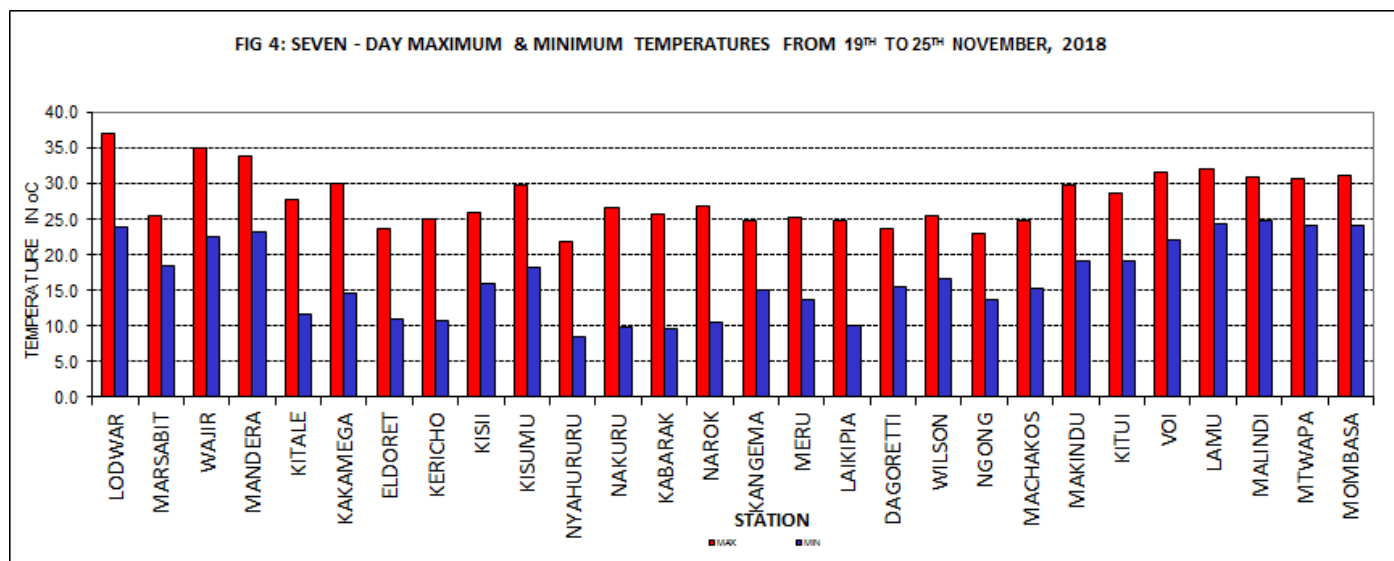
FIG 3: AREAS THAT RECORDED HEAVY TO VERY HEAVY RAINFALL



1.2 Temperature Review

Comparing the previous seven days (12th to 18th November, 2018) to the period under review (19th to 25th November, 2018) it is noted that day-time (maximum) temperatures increased in some stations like Marsabit, Kitale, Kangema and Meru and decreased in others like Dagoretti, Machakos, Nyahururu and Kitui. Night-time (minimum) temperatures increased in most stations like Nyahururu, Voi, Nakuru and Wilson Airport and decreased in others like Lodwar, Eldoret and Meru.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 37.9°C on 24th November, 2018 while Nyahururu Meteorological Station recorded the lowest daily minimum



temperature of 6.8°C on 19th November, 2018. The same stations recorded the highest seven-day average maximum temperature of 37.1°C and the lowest seven-day average minimum temperature of 8.6°C respectively (see **Figure 4** below).

2. FORECAST FOR THE NEXT SEVEN DAYS FROM 27TH NOVEMBER TO 3RD DECEMBER, 2018.

The forecast for the next seven-day period indicates that:

- Rainfall is expected over several parts across the country during the forecast period;

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 27TH NOVEMBER TO 3RD DECEMBER, 2018.

The Lake Victoria Basin, Highlands West of the Rift Valley, Central and South Rift Valley (Counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Trans Nzoia, Baringo, Uasin Gishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are likely to experience mainly sunny intervals in the mornings throughout the forecast period. Afternoon/night showers and thunderstorms are expected over few throughout the forecast period.

Northwestern (Counties of Turkana, West Pokot and Samburu) is likely to experience mainly sunny intervals during the day and partly cloudy conditions at night. However morning rains and afternoon/evening showers expected over few places on Thursday, Sunday and Monday.

Central Highlands (including Nairobi area) (Counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are likely to experience early morning cloudiness with light rains over few places that will give way to sunny intervals. Afternoon/night showers expected over several places tomorrow and few places throughout the remainder of the forecast period.

Northeastern (Counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) is likely to experience morning rains over several places on Thursday, Saturday and Sunday and the reminder of the forecast period. Afternoon/evening showers expected over few places throughout the forecast period.

Southeastern Lowlands (Counties of Kajiado, Kitui, Makueni, Machakos and Taita Taveta) are likely to experience morning rains over few places throughout the forecast period. Afternoon/night showers expected over few places at the beginning of the forecast period increasing to several places from Friday to Sunday.

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): is likely to experience morning and afternoon showers over few places throughout the forecast period apart from Monday. The nights are expected to be mainly partly cloudy.

N.B: This forecast should be used in conjunction with the daily (24-hour) forecast issued by this Department.

KEY OF SCIENTIFIC WORDS USED

<i>Rainfall categories</i>	
<i>Range</i>	<i>Category</i>
<5 mm	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	Below 33%

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Ag. DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT