



REPUBLIC OF KENYA  
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE & FORESTRY  
KENYA METEOROLOGICAL DEPARTMENT

Dagoretti Corner, Ngong Road, P. O. Box 30259-00100, GPO, Nairobi, Kenya  
Telephone: +254 (0) 20 38567880-7, +254 724 255 153-4  
E-mail: [director@meteo.go.ke](mailto:director@meteo.go.ke), [info@meteo.go.ke](mailto:info@meteo.go.ke) Website: <http://www.meteo.go.ke>

## AGROMETEOROLOGICAL BULLETIN

Ref: MET/8 /001 / 1

Issue No: 20/2024

Date: 23/07/2024

Victoria basin, the Rift Valley and North Western Kenya.

DEKAD 20 PERIOD: 11<sup>TH</sup> – 20<sup>TH</sup> JULY 2024.

### WEATHER AND CROP REVIEW FOR THE PERIOD 11<sup>TH</sup> – 20<sup>TH</sup> JULY 2024

#### 1.0 HIGHLIGHTS

- Several parts of the Country received moderate to heavy rainfall during the dekad.
- Moi Air Base station in Nairobi County reported the highest amount of rainfall of 136.3 mm, followed by Eldoret Kapsoya and Kericho stations with 118.7 mm and 86.3 mm respectively. **(Figures 3.1 and 3.2).**
- Mean air temperature decreased over most parts of the country with the highest decrease of 2.2 °C being recorded at Thika station **(Figures 3.3 and 3.4).**
- Total pan evaporation decreased over most stations due to low temperatures and cloudy conditions during the dekad.
- During the next ten days, the intermittent cold and cloudy conditions are expected over some parts of the Highlands East and West of the Rift valley, South Eastern Lowlands and the Rift valley.
- Rainfall is expected to continue over some parts of Highlands East and West of the Rift Valley ,the Lake

#### 2.0 WESTERN AND NYANZA REGION

Most stations in the region continued to report moderate to heavy rainfall just like in the previous dekad. Mean air temperature in the region decreased and ranged between 20.7°C to 24.6°C. Broken clouds cover dominated the region throughout the dekad.

##### 2.1.1 KAKAMEGA:

The station reported 31.8. mm of rainfall which was below the long term dekadal mean.

The average mean air temperature at the station slightly decreased from 21.9°C to 21.8°C. The station reported broken cloud cover throughout the dekad.

Maize is in the maturing stage and in good state. Beans harvesting is over.

1

##### 2.1.2 KISII:

The station recorded 26.6 mm of rainfall, which was below the long-term mean. Mean air temperature decreased slightly from 21.1 °C to 20.7°C. The station reported scattered cloud cover during the morning and broken cloud cover in the afternoon hours during the dekad. Harvesting of bean crop is ongoing, Maize crop is doing fairly good.

## **2.2 RIFT VALLEY REGION**

Most parts of the region reported less rainfall compared to the previous dekad. Eldoret Kapsoya Met. station reported the highest amount throughout the entire region.

Mean air temperature in the region decreased and ranged between 16.9°C to 19.6°C. Broken cloud cover dominated throughout the dekad

### **2.2.1 KITALE:**

The station recorded 66.8 mm of rainfall during the dekad. The mean air temperature reduced slightly from 20.0°C to 19.6°C. The station reported broken cloud cover during the dekad.

Maize is at post flowering stage and in good state. Beans harvest still going on and normal yield is expected.

### **2.2.2 KERICHO:**

The station reported a rainfall amount of 86.3 mm which was above its long-term mean of 52.3 mm. Mean air temperature slightly decreased from 18.0°C to 17.7°C.

The station reported broken cloud cover throughout the dekad Maize is at post-flowering ,Beans are being harvested.

Maize has attained wax ripeness stage and is in good state. Beans harvesting is ongoing.

### **2.3.1 NYERI:**

The station received 10.7 mm which was slightly above its long-term dekadal mean of 6.0 mm.

Mean air temperature decreased from 18.9°C to 17.0°C during the dekad.

Cloud cover was broken throughout the entire period of the dekad.

Maize is at post- flowering stage and maize cobs are forming.Normal yield expected. Beans are at maturity.

### **2.3.2 THIKA:**

The station recorded rainfall amount of 6.7 mm during the dekad which is above its long term mean of 3.2 mm. Mean air temperature decreased from 20.5°C to 18.3°C during the dekad.

The station reported broken cloud cover throughout the dekad.

Maize is at maturity stage, normal yield is expected .Beans harvesting is complete.

### **2.3.3 DAGORETTI**

The station recorded 2.1 mm of rainfall below its long term mean of 4.0 mm. The mean air temperature decreased from 18.4°C to 17.1°C during the dekad. The station reported broken cloud cover during the entire period of the dekad. Maize is at post flowering stage.

## **2.3 CENTRAL AND NAIROBI REGION.**

Most stations reported less rainfall amounts compared to the previous dekad (Fig 3.1). Mean air temperature decreased in the region and ranged between 14.9°C and 19.9°C.Most stations from the region reported broken cloud cover.

### **2.3.4 KABETE:**

The station reported a cumulative rainfall amount of 5.4 mm during the dekad. The mean air temperature at the station decreased from 18.0°C to 16.6°C. The station reported broken cloud cover throughout the dekad.

Maize is at the maturity stage.Most farmers are harvesting beans.

### **2.3.5 NYAHURURU:**

The station received rainfall amount of 60.1 mm which was above its long-term mean of 44.6 mm. The mean air temperature at the station reduced from 15.4°C. to 14.9°C. The station reported scattered clouds cover throughout the dekad.

Maize crop is in fair condition due to the sufficient rainfall.

### **2.4 EASTERN REGION:**

Few stations in the region recorded substantial amount of rainfall ranging from 4.2 mm to 14.5 mm during the current dekad. Mean air temperature ranged between 17.2°C and 21.8°C. Broken cloud cover dominated the region throughout the dekad.

#### **2.4.1 MERU:**

The station reported 4.2 mm of rainfall during the dekad. Mean air temperature decreased from 18.4°C to 17.4°C. Broken cloud cover was observed throughout the dekad.

Land preparations are ongoing for the next crop season.

#### **2.4.2 EMBU:**

The station reported 14.5 mm of rainfall. The mean air temperature decreased from 19.4°C to 17.5°C during the dekad. The station reported broken cloud cover throughout the dekad. Maize is at maturity stage and in good state.

#### **2.4.3 KATUMANI:**

The station remained dry during the period under review. The mean air temperature reported was 17.2°C.

Broken cloud cover dominated the sky during the dekad.

Maize has attained maturity. Beans harvesting has been completed and below normal yield had been realized due to excessive rainfall.

### **2.5 COASTAL REGION:**

The Coastal region reported rainfall amount ranging from nil in Voi to 43.7 mm in Malindi. The mean air temperature ranged between 24.5°C and 27.1°C. Scattered to broken cloud cover dominated the region during the dekad.

#### **2.5.1 MTWAPA:**

The station recorded 13.7 mm of rainfall as compared to its long term dekadal mean of 32.9 mm. Mean air temperature decreased slightly from 26.1°C to 25.8°C. Broken cloud cover was observed in the morning and in the afternoon during the dekad.

Maize harvesting is ongoing, some farmers have left the crop in their farms to dry completely. Mangoes are at flowering.

#### **2.5.1 MSABAHA:**

The station recorded 21.5 mm of rainfall which was below its long term dekadal mean of 29.8 mm. Mean temperature decreased from 26.3°C to 25.7°C.

Broken cloud cover was observed in the morning and in the afternoon during the entire dekad.

Maize harvesting is ongoing but below normal yield is expected due to insufficient rainfall.

TEMPERATURE CHARTS/ MAPS & TABLES

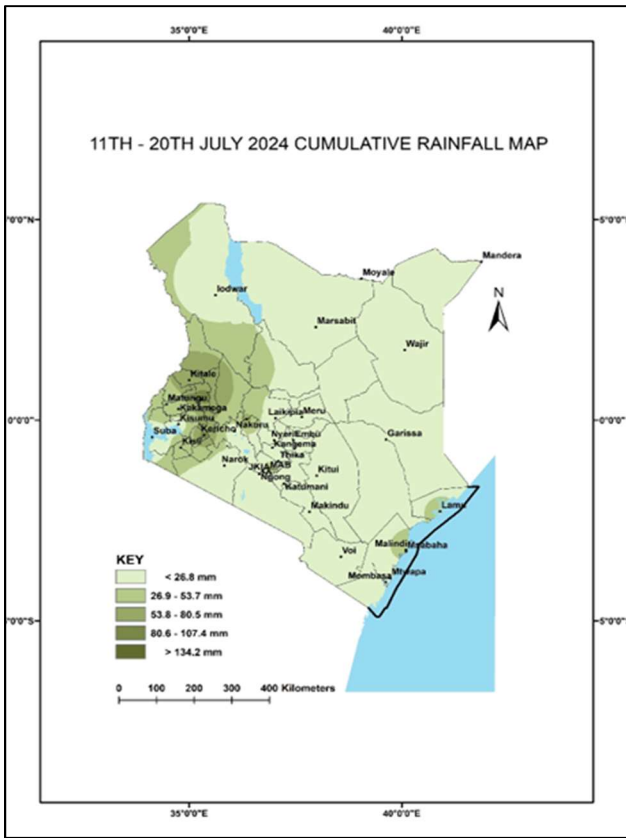


Fig 3.1

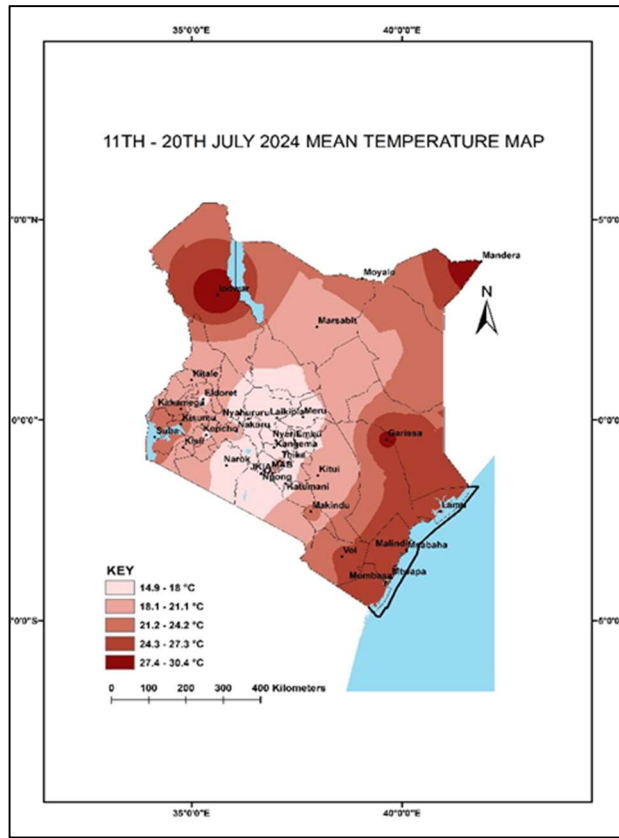


Fig: 3.3

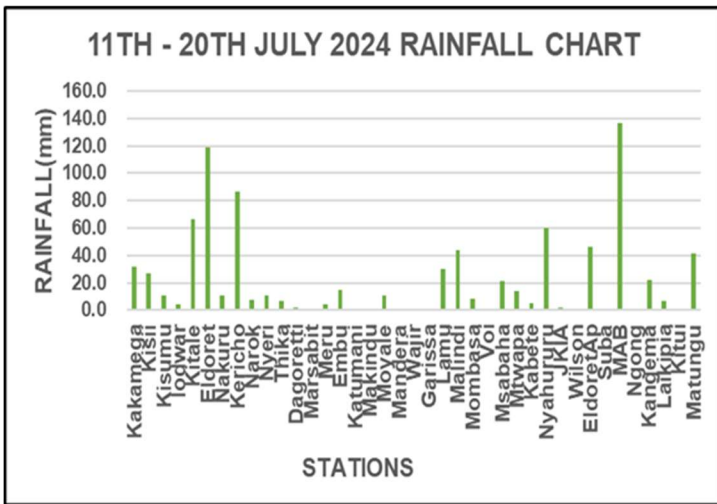


Fig 3.2

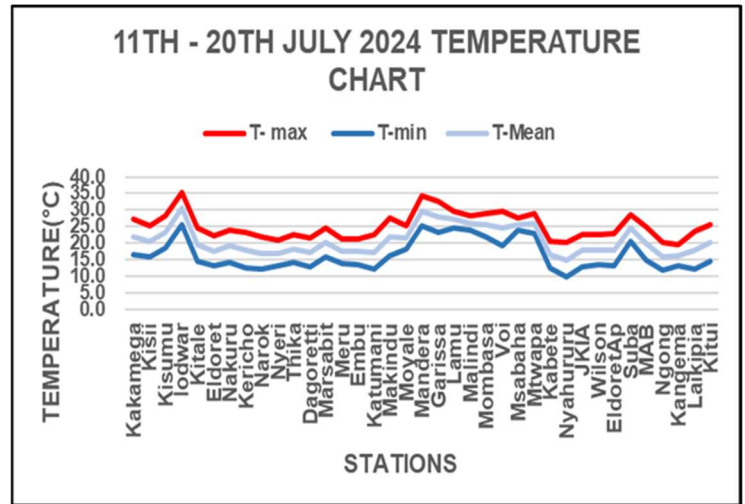


Fig 3.4

Station	Maximum consecutive wet days from start of JJA Season	Maximum consecutive dry days from start of the Season	Days with moderate or heavy RF from start of the Season	Sum RF from start of JJA Season
Kakamega	5	4	15	269.1
Kisii	4	12	9	153.3
Kitale	5	3	13	215.8
Kericho	8	3	19	321.2
Nyeri	3	12	2	36.8
Thika	2	17	2	48.6
Dagoretti	4	6	8	213.5
Meru	1	19	0	7.8
Embu	3	10	4	38.8
Katamani	2	18	1	13.4
Msabaha	4	8	7	220.0
Mtwapa	2	6	4	129.5
Kabete	4	10	6	130.4
Nyahuru ru	5	7	8	116.3
Kabarak	2	6	3	63.1

Fig: 3.5

#### 4.0 EXPECTED WEATHER AND CROP CONDITIONS DURING THE NEXT TEN (10) DAYS; 21ST – 31ST JULY 2024.

**In the Western and Nyanza regions,** Morning rains are likely to occur over few places. Afternoon and night showers and thunderstorms are expected over few places occasionally spreading to several places.

The crops are expected to continue doing well due to the expected favourable weather conditions.

**In the Central region and Nairobi County,** Intermittent cloudiness with light rains over few places is expected in the mornings giving way to sunny intervals. Afternoon and night showers are expected over a few high ground areas. Crops and pastures are expected to keep on doing very well due to the wet weather and cloudy environment.

**In North-Western,** Morning rains and afternoon/night showers are expected over few places during the forecast period.. **In North-Eastern,** sunny intervals are expected during the day while nights are likely to be partly cloudy. However, morning rains may occur in some parts of Marsabit county.

Pastures and forage condition are expected to remain in good condition since soil moisture is still sufficient from the past rains.

**In south-eastern lowlands,** occasional cloudiness expected in the morning giving way to sunny intervals. Nights are likely to be partly cloudy.

Crops and pasture condition is expected to start being stressed due to dry condition prevailing during the coming dekad.

**In the Coastal region,** Sunny intervals expected during the day while nights are likely to be partly cloudy. However, there is a possibility of light morning and afternoon showers occurring over few places during the first half of the forecast period.

Crop and pastures condition are expected to deteriorate due to the dry weather expected over the dekad.

#### 4.1 AGRO-ADVISORY:

- Farmers are advised to use the unseasonal rainfall going on wisely to grow early maturing crops.
- Farmers should ensure proper storage of cereals void of humidity, in a dry and cool place.
- Pastoralists in North Western Kenya, North Eastern regions, should make proper use of pasture & forage and employ right preservation and storage means.
- Communities should take advantage of the current rains to harvest water for use during dry periods.

▪ Farmers are advised to establish robust collaborations with Meteorological staff and other technical personnel at the grass roots to enhance their understanding of weather patterns and their implications on agricultural activities.

---

For inquiries, clarification, or feedback kindly use the contacts below.



**Mary Githinji**

**FOR:**

**DIRECTOR OF METEOROLOGICAL  
SERVICES**

**The director,**

**Kenya Meteorological**

**Department,**

**P.O Box 30259 – 00100 Nairobi.**

**Email: [director@meteo.go.ke](mailto:director@meteo.go.ke)**