



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT AND FORESTRY

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WEATHER FORECAST FOR AUGUST 2022 AND WEATHER REVIEW FOR JULY 2022

1.0 HIGHLIGHTS

1.1. The Weather Forecast for August 2022

The forecast for August 2022 indicates that, Cool/cold and cloudy/foggy conditions with occasional rains are expected to prevail over most parts of Embu County. Most of the county will experience near-average temperatures.

Seasonal Rains forecast for June-July-August (JJA) 2022 over Embu County

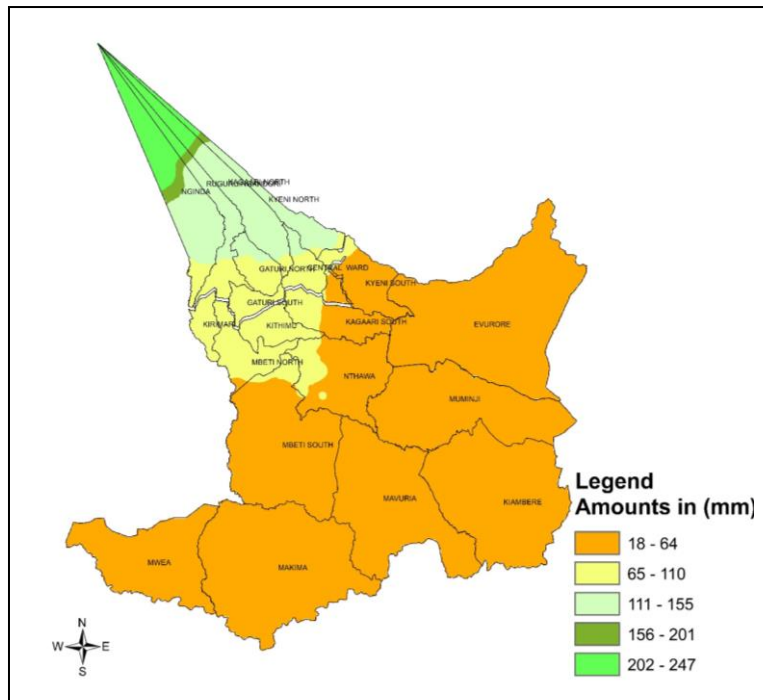


Fig. 1: JJA 2022 Rainfall Forecast for Embu County

2.2 Rainfall Performance in July 2022 in Embu County

There were more intensive rains in July 2022 in Embu County than in June 2022. True to it, many stations reported higher amounts of rains than were reported in June 2022.

As far as rainfall performance in July 2022 is concerned, just like in June 2022, Thicingi Girls Sec School Rainfall Station reported the highest amount of rainfall in Embu County. It reported a monthly total rainfall of 129.6mm and was followed by Kigari PPTC with a total of 89.1mm, Runyenjes Agriculture Office with 68.9, Embu Met. Station 54.3, Kianamu-Nthawa 15.9, Kininthe Secondary School 15.6, Managia 5.5, Gitii Ngura 3 and Mayori 2.3. Kirie, Malikini, Ndune, Kanyuambora Secondary School, Kirathe, Muthanthara Dispensary, Kasafari and Makima ACC Ground rainfall stations all reported no rainfall for the whole month of July 2022. The above information is as shown in Table 1 and Figure 2 below. The seasonal June-July-August (JJA) 2022 rainfall forecast for Embu County is as shown in Figure 1 above.

Table 1: Monthly Rainfall Performance in July 2022

	Station	July 2022 Total Rainfall
1	Thicingi Girls Sec School	129.6
2	Kigari PTTC	89.1
3	Runyenjes Agriculture Office	68.9
4	Embu Met. Station	54.3
5	Kianamu-Nthawa	15.9
6	Kininthe Secondary School	15.6
7	Managia	5.5
8	Gitii - Ngura	3
9	Mayori	2.3
10	Kirie	0
11	Malikini	0
12	Ndune	0
13	Kanyuambora Secondary School	0
14	Kirathe Dispensary	0
15	Muthanthara Dispensary	0
16	Kasafari	0
17	Makima ACC Ground	0

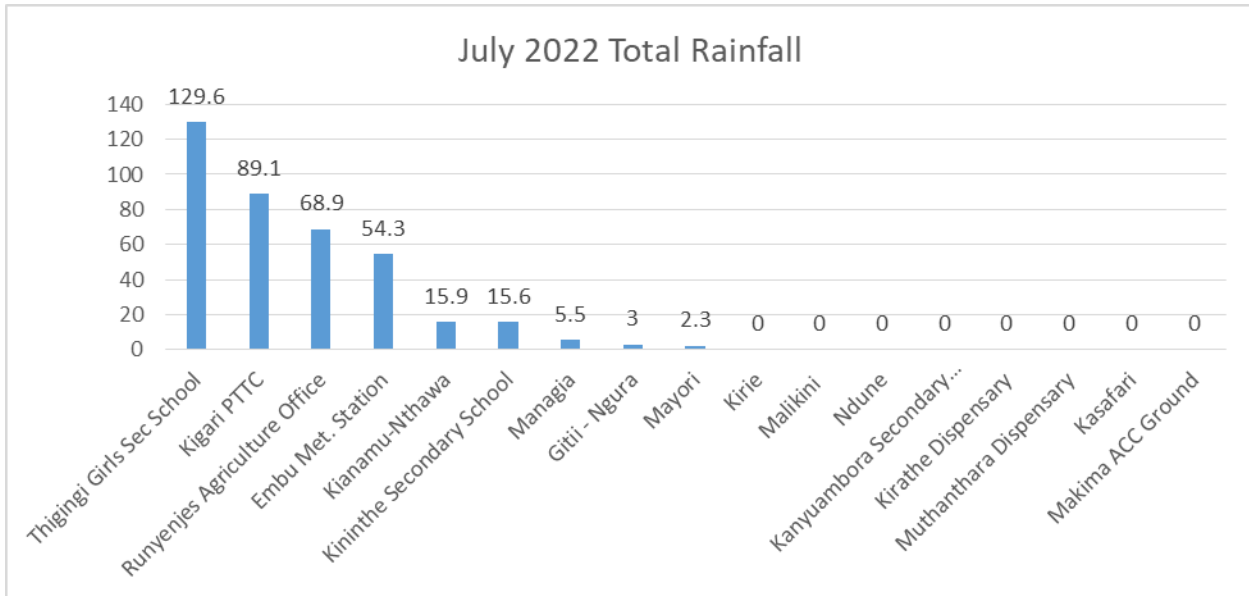


Fig. 2: July 2022 monthly rainfall performance in Embu County

2.3 Comparison between July 2022 and June 2022 rainfall performance in Embu County

In July 2022, just like in June 2022, several parts of the county remained dry. However, July 2022 received more intense rainfall as compared to June 2022. This information is as shown in Table 2 and figure 3 below.

Table 2: Comparison among July 2022 and June 2022 Monthly Rainfall Performance in Embu County

	Station	June 2022 Total Rainfall	July 2022 Total Rainfall
1	Thicingi Girls Sec School	24.1	129.6
2	Kigari PTTC	7.2	89.1
3	Runyenjes Agriculture Office	17.5	68.9
4	Embu Met. Station	7.5	54.3
5	Kianamu-Nthawa	0	15.9
6	Kininthe Secondary School	3	15.6
7	Managia	0	5.5
8	Gitii - Ngura	0	3
9	Mayori	0	2.3
10	Kirie	0	0
11	Malikini	0	0
12	Ndune	0	0
13	Kanyuambora Secondary School	0	0
14	Kirathe Dispensary	0	0
15	Muthanthara Dispensary	0	0
16	Kasafari	0	0
17	Makima ACC Ground	0	0

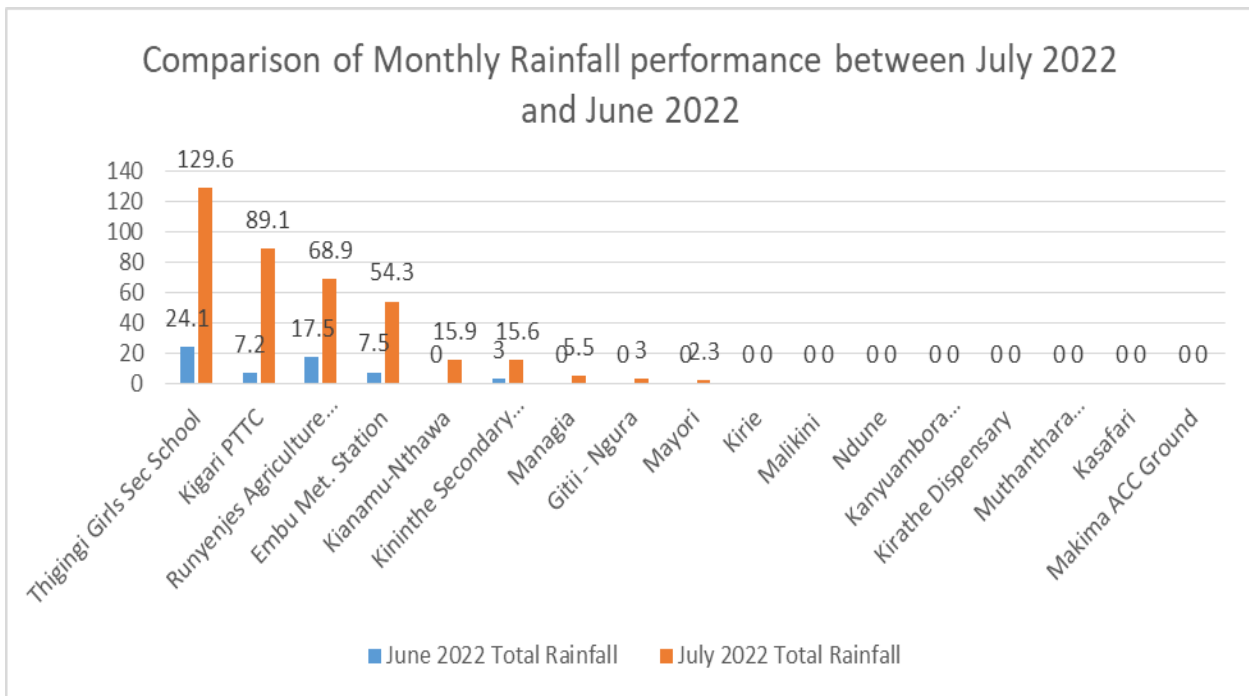


Fig. 3: Comparison between July and June 2022

2.0 Weather Outlook for August 2022

Embu County is expected to experience occasional cool and cloudy conditions (overcast skies) with occasional rains and drizzle. Occasional afternoon showers are likely to occur especially at the beginning of the month.

2.1 Weather Outlook for August 2022

The temperature outlook for August 2022 indicates that most parts Manyatta and Runyenjes sub-counties are expected to experience low temperatures that are likely to be near the long-term mean for the month of August. Thus, the daytime (maximum) temperatures over these areas may occasionally fall below 18°C while night time (minimum) temperatures are expected to be very low. This is mainly due to the incursion of cold winter air from the southern Hemisphere, which experiences winter during this time of year.

3.0 Potential Impacts

The following are the likely impacts during the month of August 2022 based on the forecast:

3.1. Agriculture and Food Security

The sunny and dry weather conditions expected over the ASAL areas of Mbeere North and Mbeere South are expected to have negative effect on food, water, pasture and browse for consumption. Close monitoring of the situation is therefore necessary to avert the stress on human life and loss of livestock.

3.2 Water Resources Management and Energy

It is anticipated that the current drought affecting some parts of the southern parts of Embu County is expected to worsen. Conflicts over the scarce resources, particularly water, pasture, and browse, are likely to continue. In order to prevent loss of lives, livelihoods, and livestock, relevant authorities and humanitarian organizations are advised to step up the measures already in place. Additionally, it is advised that local leaders encourage communal resource sharing and foster peace.

3.3 Environment

There is a likelihood of increased wildfires in areas expected to remain dry. Thus, fire management practices should be put in place.

NB: Please use this monthly forecast in conjunction with the weekly weather forecasts issued by the Embu County Office.

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	Between 0 and 33%

Synoptic patterns/features: Are the global and continental weather causing systems that play a major role in determining the weather in a Country/area. The synoptic patterns are modified by the local conditions such as water bodies (lakes) and topography (Mountains).

County Director of Meteorological Services, Embu