



REPUBLIC OF KENYA
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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 22ND
TO 28TH NOVEMBER 2016, OCTOBER 2016 MONTHLY REVIEW AND
THE OCTOBER-NOVEMBER-DECEMBER 2016 SEASONAL FORECAST**

**REVIEW OF RAINFALL OVER THE LAST WEEK (14TH TO 20TH
NOVEMBER 2016) AND THE PREVIOUS WEEK (7TH TO 13TH
NOVEMBER 2016) AND THE SEASONAL FORECAST FOR OCTOBER-
NOVEMBER-DECEMBER 2016 SHORT RAINS**

Generally, November is the pick rainfall month of October-November-December season. This can be confirmed by the rain that fell during last week. Last week (7th to 13th November 2016) was very wet and excessively wetter than the previous week (31st October to 6th November 2016) and apart from Kerugoya WRMA which did not report yet again due to a technical problem, all the other stations reported significantly more rainfall than that of the previous week. The rain activity during last week was as follows: MIAD-Kandongu Station reported the highest weekly rainfall followed by Njuki-ini West Forest, Gathambi Coffee Factory, Mwea-KALRO Kimbimbi, Castle Forest and Kangaita Tea Farm stations. The above information is as presented in Table 1 and Figure 1 below.

Table 1: Rainfall intensities in order of decreasing wetness during last week (14th to 20th November 2016)

Station No.	Station Name	Last Week	Previous Week
9037112	MIAD-Kandongu	82.7	5.4
9037140	Njuki-ini Forest station	73.6	25
9037264	Gathambi Coffee Factory	68.4	2.9
9037110	Mwea-KALRO Kimbimbi	67.7	10.5
9037115	Castle Forest Station	51.1	11.4
	Kangaita Tea Factory/Farm	36	17.7

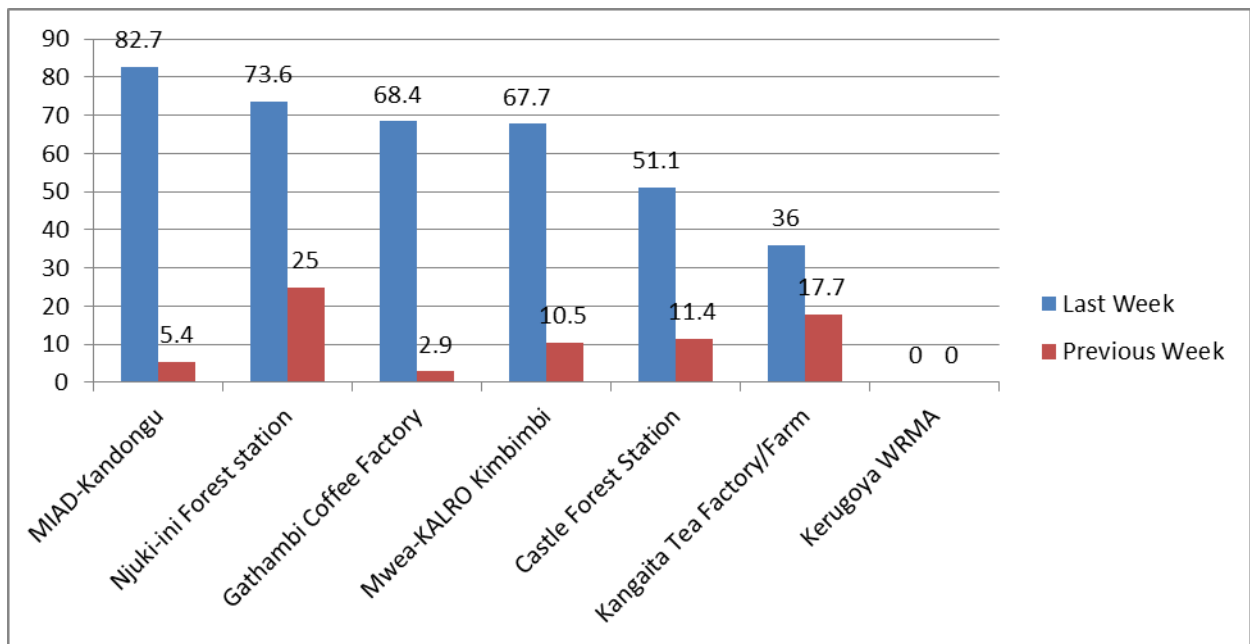


Fig. 1: Rain performance comparison between last week (14th to 20th November 2016) and the previous week (7th to 13th November 2016)

Rains Performance for the Month of October 2016 in Kirinyaga County

The month of October 2016, on average, was drier than normal as it will be seen later. In order of decreasing wetness, Castle Forest station reported the highest monthly rainfall followed by Mwea KALRO Kimbimbi, Kerugoya WRMA, Kangaita Tea Farm, MIAD-Kandongu, Gathambi Coffee Factory and Njuki-ini Forest stations. The above information is as shown in Table 2 and Figure 2 below.

Table2: October 2016 Monthly Total Rainfall intensities in order of decreasing wetness

Station No.	Station Name	Total Rainfall for October 2016
9037115	Castle Forest Station	31.7
9037110	Mwea-KALRO Kimbimbi	31.6
9037031	Kerugoya WRMA	20
	Kangaita Tea Factory/Farm	18.1
9037112	MIAD-Kandongu	11.6
9037264	Gathambi Coffee Factory	11.4
9037140	Njuki-ini Forest station	4.7

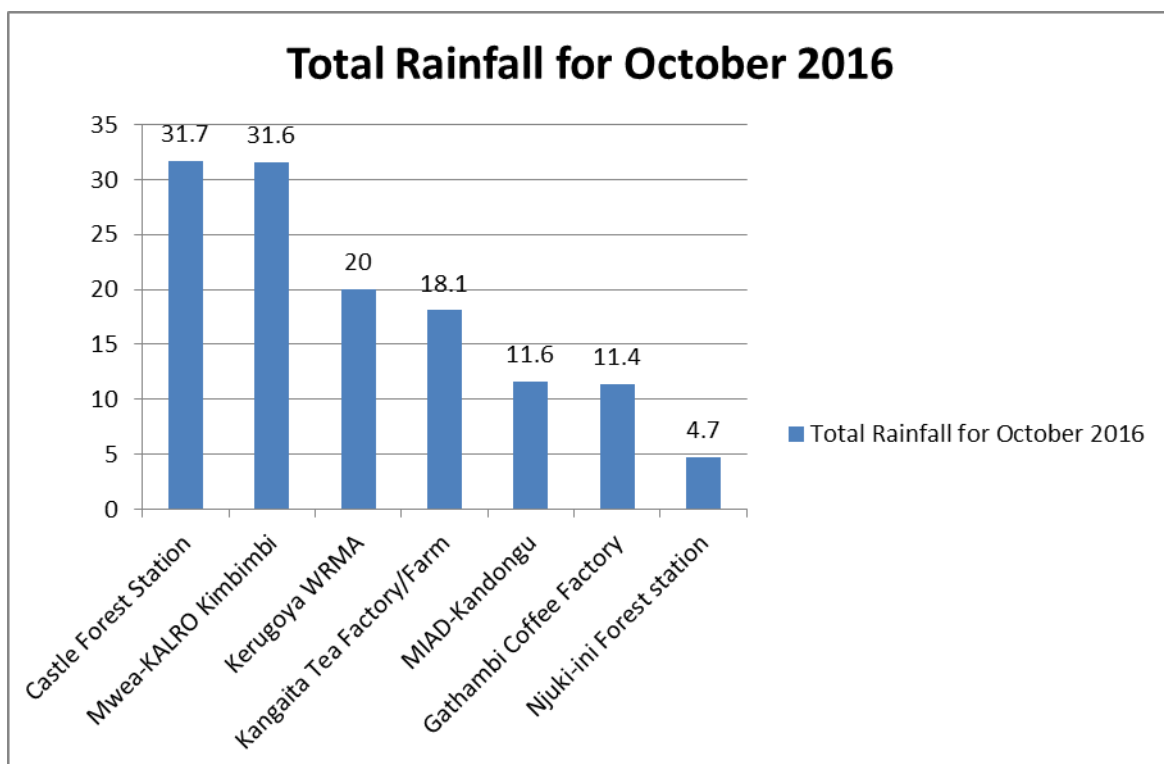


Fig. 2: Rains Performance for the Month of October 2016 in Kirinyaga County

Comparison between the October 2016 monthly totals and the Long Term Means for October in Kirinyaga County

As compared to other months of October during past years, October of 2016 was generally drier than the October average as calculated from previous years. All stations, reported less than the long term means. The difference between the October totals and the long term means was significantly very big. This means that the month of October 2016 received below average and depressed rainfall as was forecasted by Kenya Meteorological Department. Table 3 and Figure 3 show the foregoing.

Table 3: Comparison between the October 2016 monthly totals and the Long Term Means for October

Station No.	Station Name	Total Rainfall for October 2016	LTM for October
9037115	Castle Forest Station	31.7	278.9
9037031	Kerugoya WRMA	20	159.1
9037112	MIAD-Kandongu	11.6	122.3
9037264	Gathambi Coffee Factory	11.4	213.5
9037140	Njuki-ini Forest station	4.7	170.2

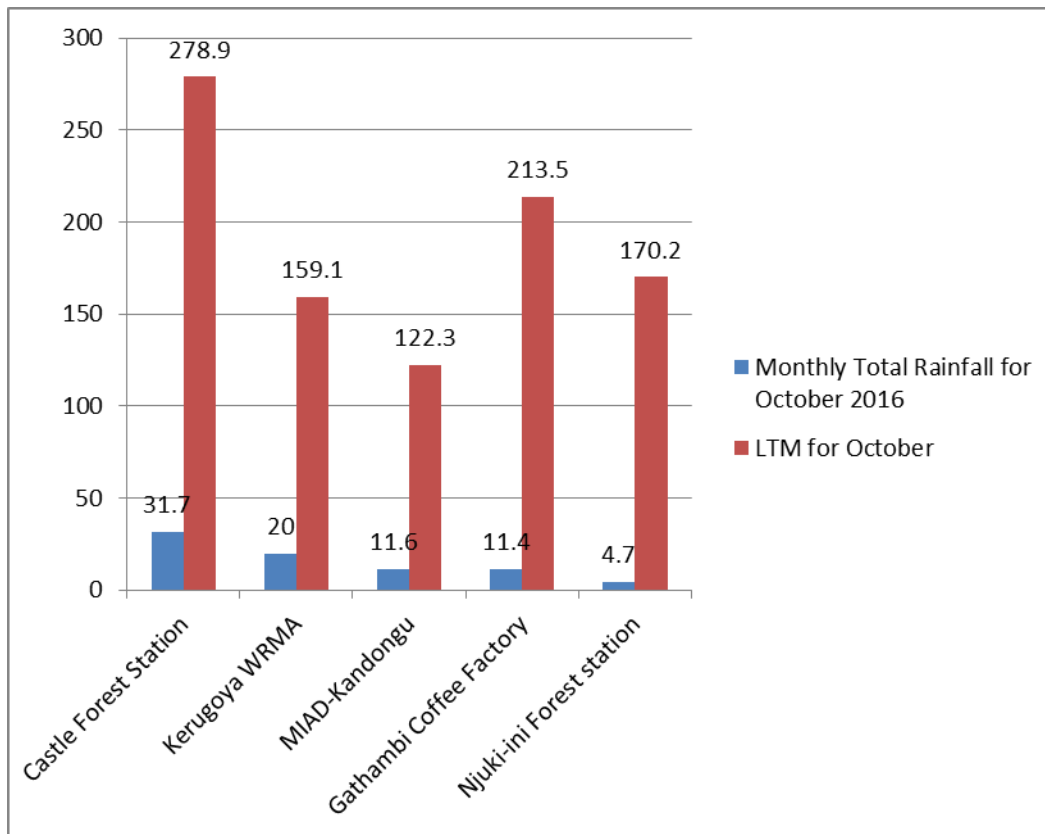


Fig. 3: Comparison of Rains Performance for the Month of October 2016 and October Long Term Means in Kirinyaga County

KIRINYAGA COUNTY OCTOBER-NOVEMBER-DECEMBER 2016 SHORT RAINS FORECAST

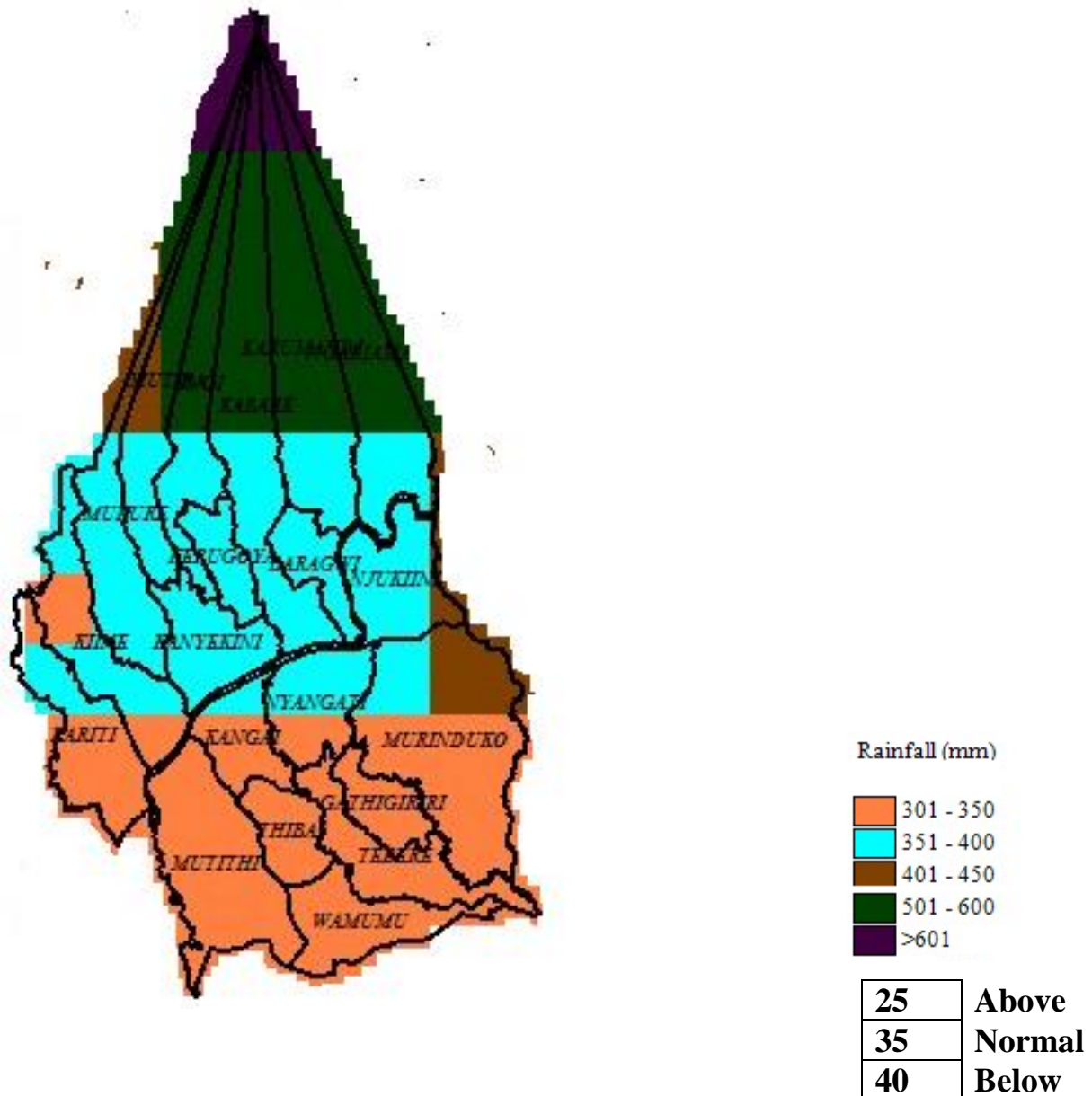


Fig. 2: Kirinyaga County OND 2016 Seasonal Forecast and the percentages of different scenarios. The highest percentage is 40% chances that the rains will be below normal

Table 2: Kirinyaga County OND 2016 Seasonal Forecast

Forecast	Onset(Start of the rains)	Cessation (End of the rains)	Distribution in time and space
A:N:B(25:35:40) Near normal to below normal-slightly depressed rainfall	3 rd to 4 th week of October 2016	2 nd to 3 rd week of December 2016	Poor

KIRINYAGA COUNTY WEEKLY FORECAST

FOR THE NEXT SEVEN DAYS

Several parts of Kirinyaga County are expected to continue receiving rainfall. The forecast indicates that:

- Most parts of the county are expected to receive rainfall during the forecast period;
- Intensity is expected to increase from Thursday to heavy and even very heavy rainfall over parts of the County

DAY	MORNING	AFTERNOON/EVENING
TUESDAY 22/11/2016	Rains over several places	with showers over several places with intensity increasing from Thursday to the end of forecast (Monday-28/11/2016)
WEDNESDAY 23/11/2016		
THURSDAY 24/11/2016		
FRIDAY 25/11/2016		
SATURDAY 26/11/2016		
SUNDAY 27/11/2016		
MONDAY 28/11/2016		

KEY OF SCIENTIFIC WORDS USED

Most Places: Between 66% and 100% of Kirinyaga County

Several Places: Between 33% and 66% of Kirinyaga County

Few Places: Between 0 and 33% of Kirinyaga County

Weather Link on the County Government of Kirinyaga website is:

<http://kirinyaga.go.ke/weather.html>

You can access the weather products using this link on a smart phone.

O.k.

James Gichuki Gathura

County Director of Meteorological Services