



REPUBLIC OF KENYA
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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 20TH TO 26TH DECEMBER 2016, NOVEMBER 2016 MONTHLY REVIEW AND THE OCTOBER-NOVEMBER-DECEMBER 2016 SEASONAL FORECAST

REVIEW OF RAINFALL OVER THE LAST WEEK (12TH TO 18TH DECEMBER, 2016) AND THE PREVIOUS WEEK (5TH TO 11TH DECEMBER, 2016), NOVEMBER 2016 RAINS MONTHLY REVIEW AND THE SEASONAL FORECAST FOR OCTOBER-NOVEMBER-DECEMBER 2016 SHORT RAINS

The October-November-December season, as the synonym, suggests ends in the month of December and the rains are expected to be subsiding. Last week (12th to 18th December 2016) was wetter than the previous week (5th to 11th December 2016) when the rains were less intense(during the previous week). The rain activity during last week was as follows: MIAD-Kandongu Station reported the highest weekly rainfall followed by Gathambi Coffee Factory, Mwea-KALRO Kimbimbi, Castle Forest, Kerugoya WRMA, Kangaita Tea Farm and Njuki-ini West Forest 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 (12th to 18th December 2016)

Station No.	Station Name	Last Week	Previous Week
9037112	MIAD-Kandongu	24.6	4.4
9037264	Gathambi Coffee Factory	20	1.8
9037110	Mwea-KALRO Kimbimbi	19.6	0
9037115	Castle Forest Station	11.9	8
9037031	Kerugoya WRMA	4.8	4.1
	Kangaita Tea Factory/Farm	4.6	1.6
9037140	Njuki-ini Forest station	0	6.5

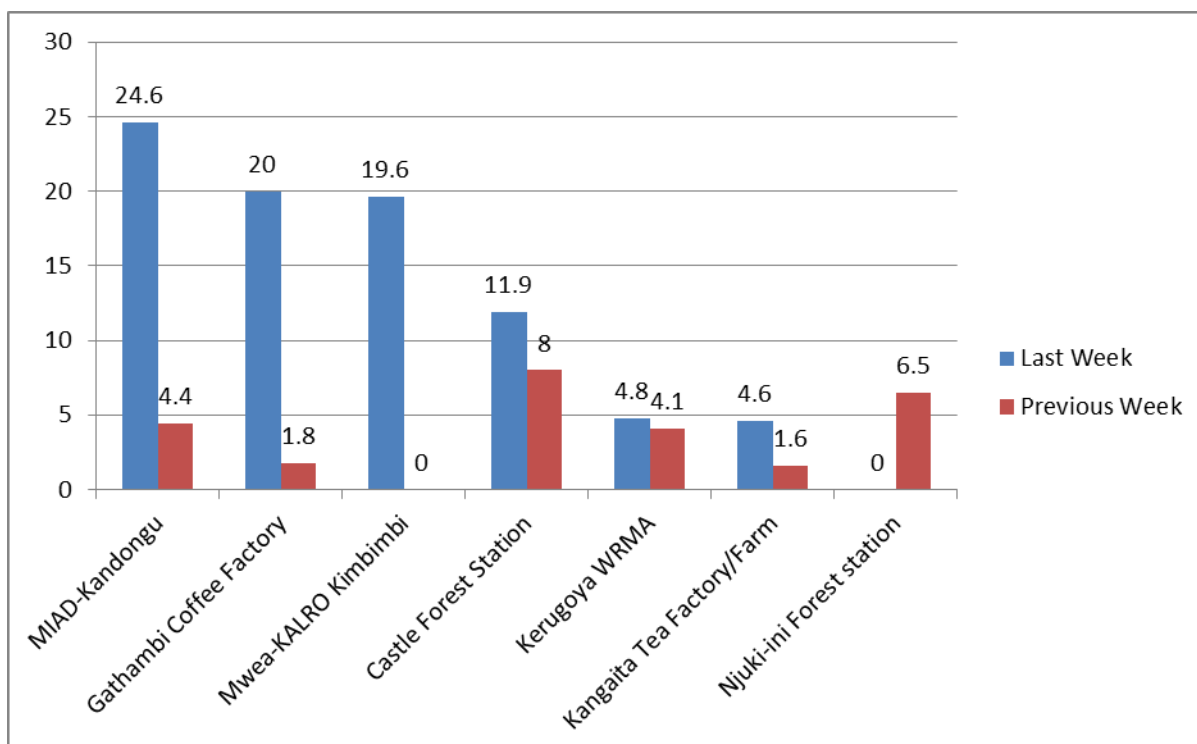


Fig. 1: Rain performance comparison between last week (12th to 18th December 2016) and the previous week (5th to 11th December 2016)

Rains Performance during the Month of November 2016 in Kirinyaga County

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

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

Station No.	Station Name	Total Rain for Nov-2016
9037140	Njuki-ini Forest station	195.7
9037031	Kerugoya WRMA	168.72
9037110	Mwea-KALRO Kimbimbi	150
9037264	Gathambi Coffee Factory	140.2
9037115	Castle Forest Station	123.2
9037112	MIAD-Kandongu	120
	Kangaita Tea Factory/Farm	106.1

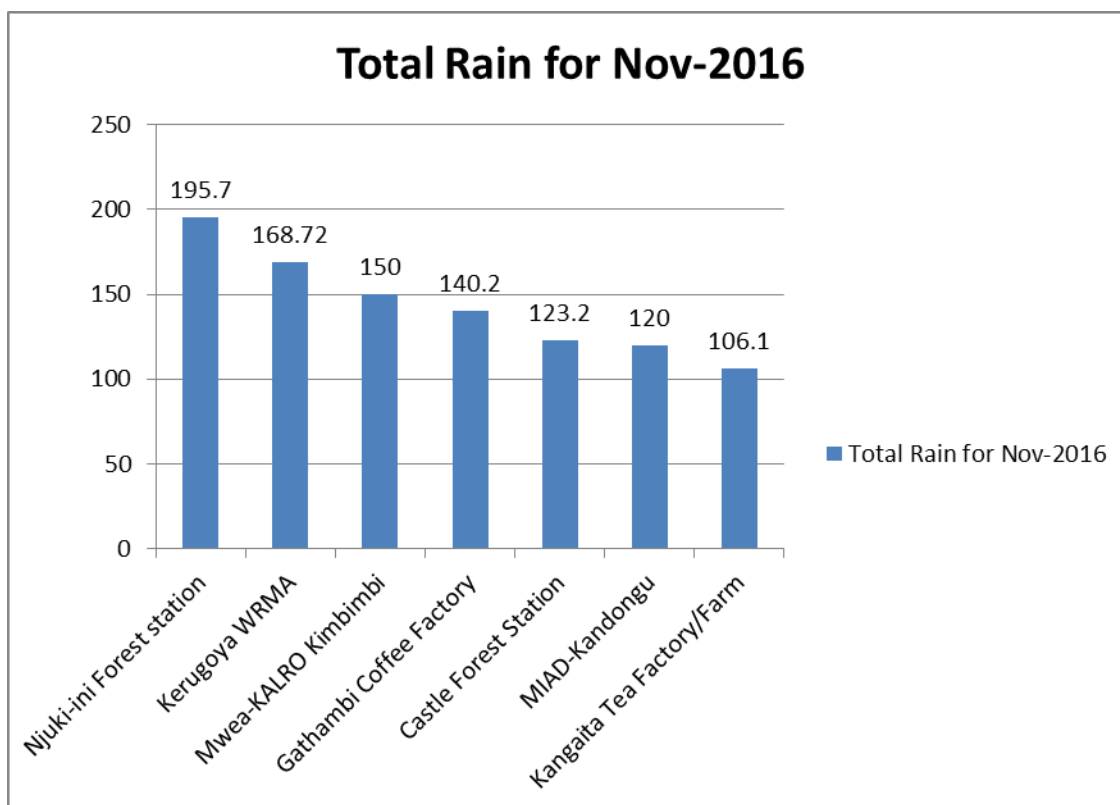


Fig. 2: Rains Performance for the Month of November 2016 in Kirinyaga County

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

As compared to other months of November during past years, November of 2016 was generally drier than the November average as calculated from previous years. All stations, reported less than the long term means. This means that the month of November 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 November 2016 monthly totals and the Long Term Means for November

Station No.	Station Name	Total Rain for Nov-2016	November LTM
9037140	Njuki-ini Forest station	195.7	212.54
9037031	Kerugoya WRMA	168.72	196.04
9037264	Gathambi Coffee Factory	140.2	209.55
9037115	Castle Forest Station	123.2	231.13
9037112	MIAD-Kandongu	120	166.58

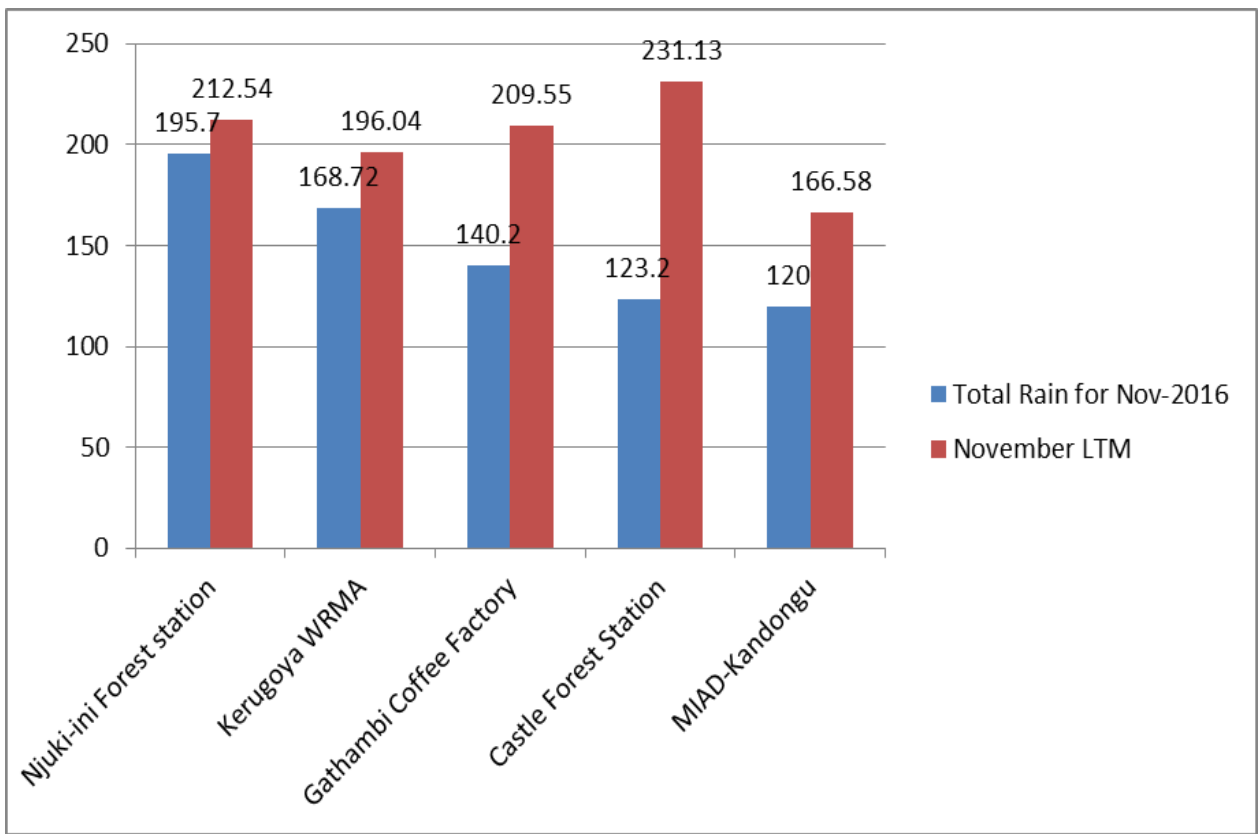


Fig. 3: Comparison of Rains Performance for the Month of November 2016 and November Long Term Means in Kirinyaga County

KIRINYAGA COUNTY OCTOBER-NOVEMBER-DECEMBER 2016 SHORT RAINS FORECAST

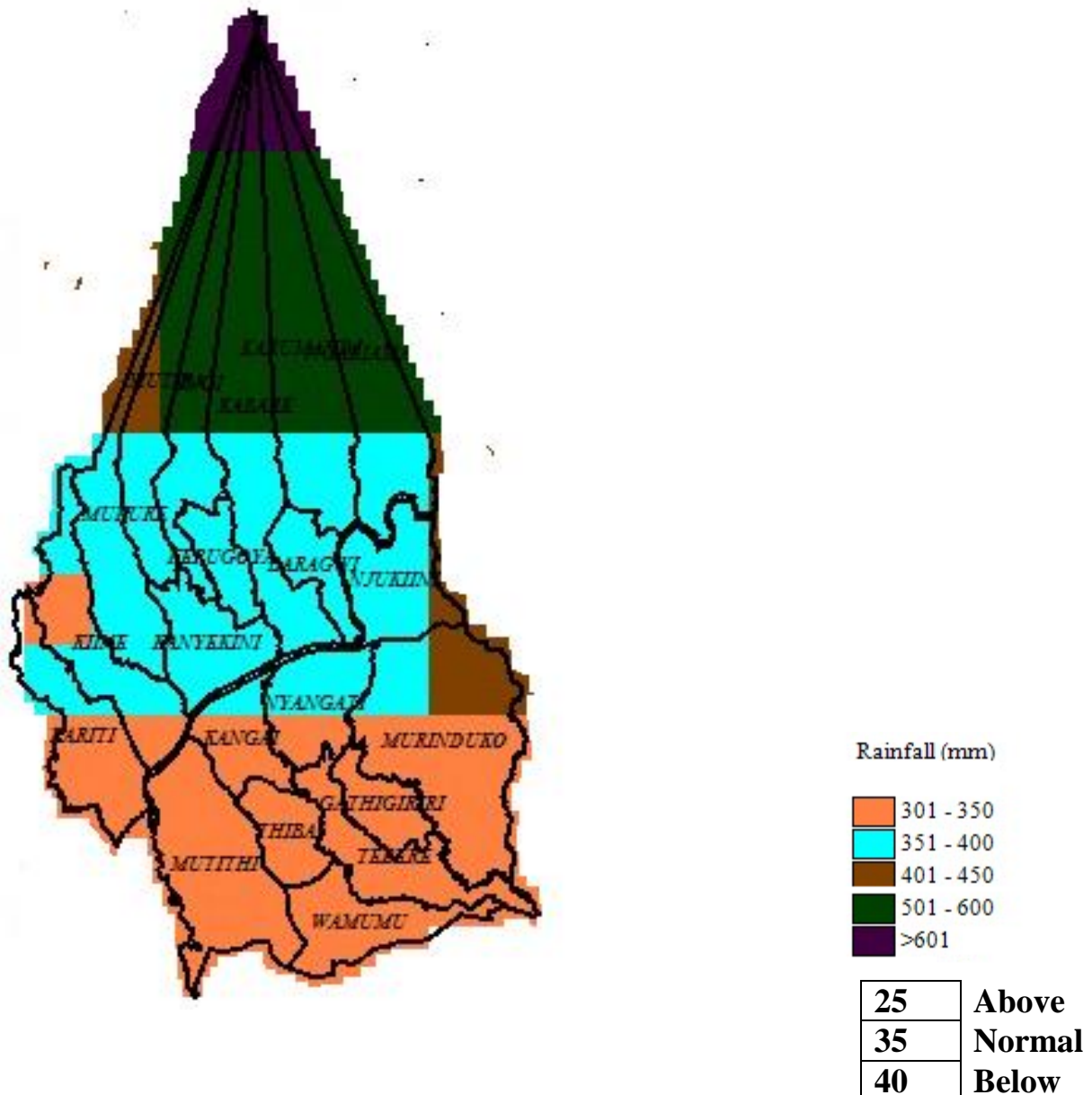


Fig. 4: Kirinyaga County OND 2016 Seasonal Forecast and the percentages of different scenarios. The highest percentage is 40% chances that the rains will be below normal

Table 4: 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

The forecast indicates that:

- *Rainfall is expected over few places of the county only throughout the forecast period*

DAY	MORNING	AFTERNOON/EVENING
TUESDAY 20/12/2016	Mainly sunny intervals in the morning	Afternoon showers over few places only throughout the forecast period.
WEDNESDAY 21/12/2016		
THURSDAY 22/12/2016		
FRIDAY 23/12/2016		
SATURDAY 24/12/2016		
SUNDAY 25/12/2016		
MONDAY 26/12/2016		

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> upon update by County Government Website administrators on duty

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

MERRY CHRISTMAS

O.k.

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County Director of Meteorological Services