



Date: 3rd October 2016

WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 4TH TO 10TH OCTOBER 2016 AND THE OCTOBER-NOVEMBER-DECEMBER 2016 SEASONAL FORECAST

REVIEW OF RAINFALL OVER THE LAST WEEK (26TH SEPTEMBER TO 2ND OCTOBER 2016) AND THE PREVIOUS WEEK (19TH TO 25TH SEPTEMBER 2016), REVIEW FOR SEPTEMBER 2016 RAINS PERFORMANCE AND THE SEASONAL FORECAST FOR OCTOBER-NOVEMBER-DECEMBER 2016 SHORT RAINS

Last week (26th September to 2nd October 2016) was significantly wetter than the previous week (19th to 25th September 2016). Kerugoya WRMA station did not send their report due to unavoidable circumstances. MIAD-Kandongu reported the highest weekly rainfall followed by Kangaita Tea Farm, Njuki-ini West Forest, Mwea-KALRO Kimbimbi, Castle Forest and Gathambi Coffee Factory station which reported no rainfall during last week. 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 (26th September to 2nd October 2016)

Station No.	Station Name	Last Week	Previous Week
9037112	MIAD-Kandongu	50.2	0.2
	Kangaita Tea Factory/Farm	24.1	2.5
9037140	Njuki-ini Forest station	16	0
9037110	Mwea-KALRO Kimbimbi	16	0
9037115	Castle Forest Station	11.7	4.1
9037031	Kerugoya WRMA	No Report	2.7
9037264	Gathambi Coffee Factory	0	0

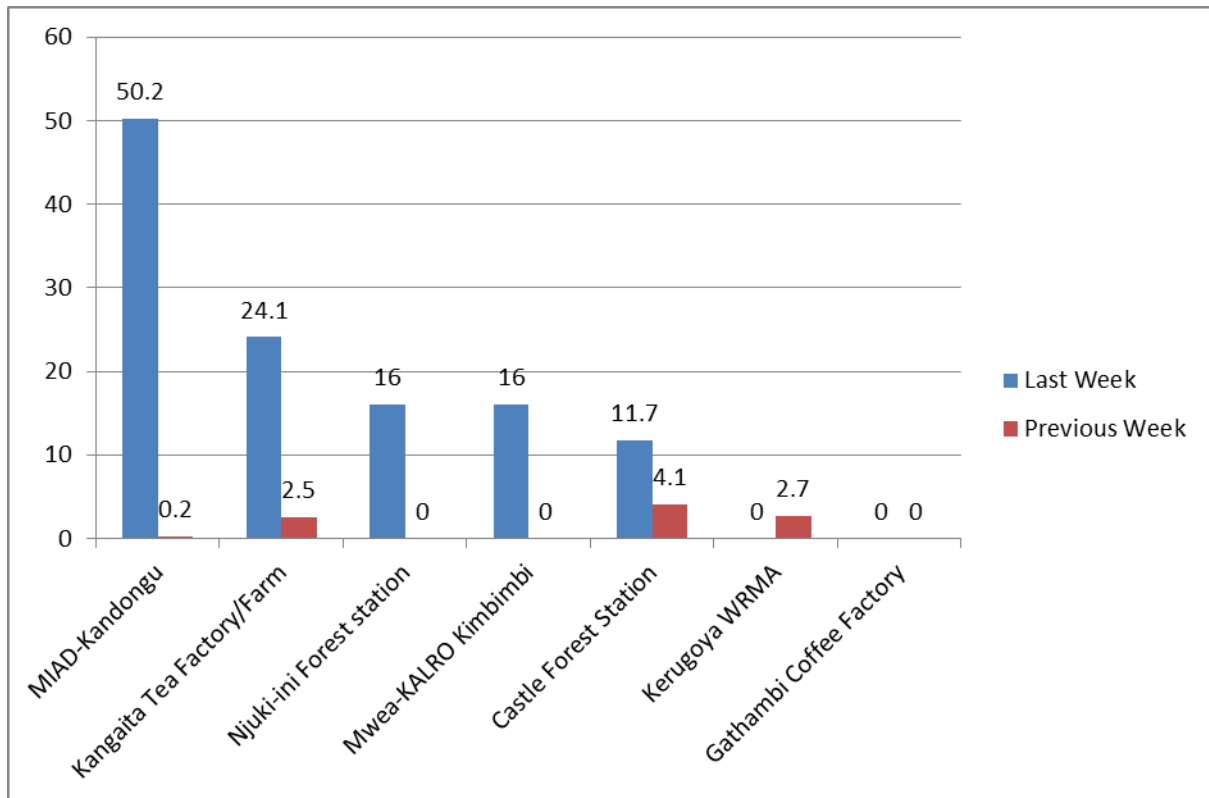


Fig. 1: Rain performance comparison between last week (26th September to 2nd October 2016) and the previous week (19th to 25th September 2016)

Rains Performance for the Month of September 2016 in Kirinyaga County

The month of September 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 MIAD-Kandongu, Kangaita Tea Farm, Kerugoya WRMA(although it rainfall for the last week of September is not included), Njuki-ini Forest, Mwea KALRO Kimbimbi and Gathambi Coffee Factory stations. The above information is as shown in Table 2 and Figure 2 below.

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

Station No.	Station Name	September 2016 Monthly Totals
9037115	Castle Forest Station	56.5
9037112	MIAD-Kandongu	50.8
	Kangaita Tea Factory/Farm	50.2
9037031	Kerugoya WRMA	25.6
9037140	Njuki-ini Forest station	16
9037110	Mwea-KALRO Kimbimbi	16
9037264	Gathambi Coffee Factory	10.6

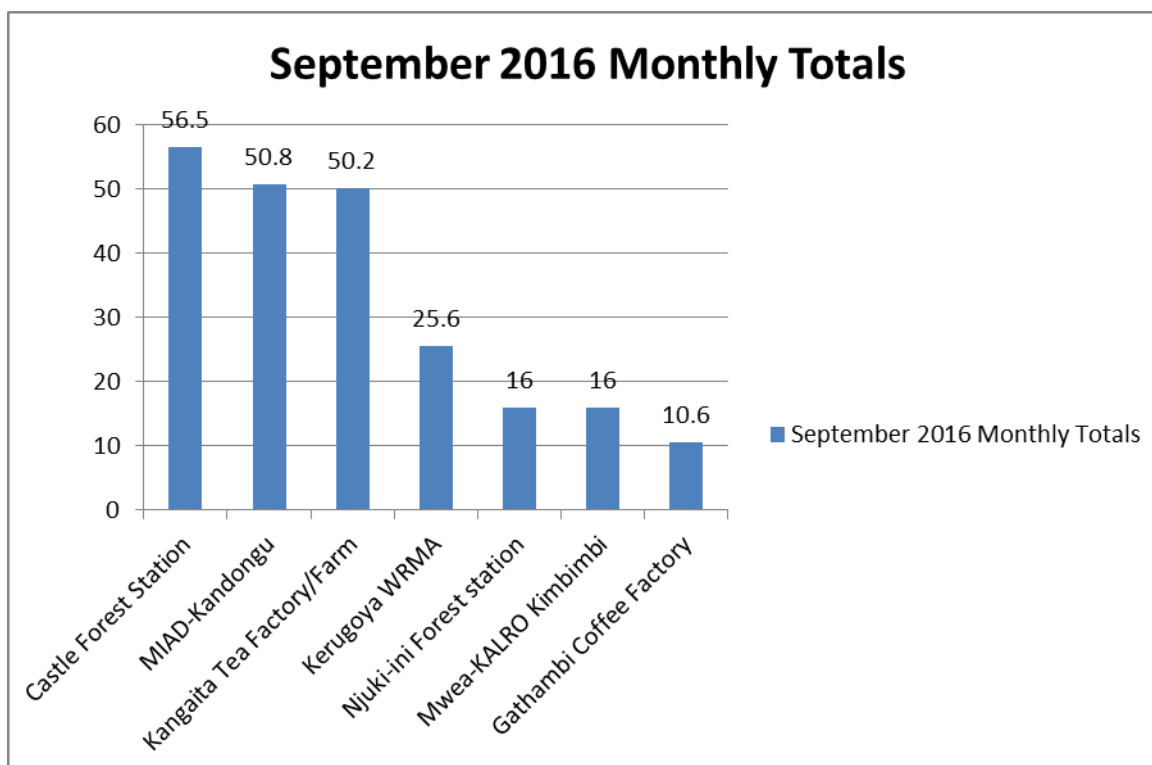


Fig. 2: Rains Performance for the Month of September 2016 in Kirinyaga County

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

As compared to other months of September during past years, September of 2016 was generally drier than the September average as calculated from previous years. All stations, apart from MIAD-Kandongu reported less than the long term means. This means that the month of September 2016 received below average rainfall as compared to the other months. Table 3 and Figure 3 show the foregoing.

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

Station No.	Station Name	September 2016 Monthly Totals	September LTM
9037115	Castle Forest Station	56.5	82.0
9037112	MIAD-Kandongu	50.8	11.8
9037031	Kerugoya WRMA	25.6	47.6
9037140	Njuki-ini Forest station	16	26.1
9037264	Gathambi Coffee Factory	10.6	29.7

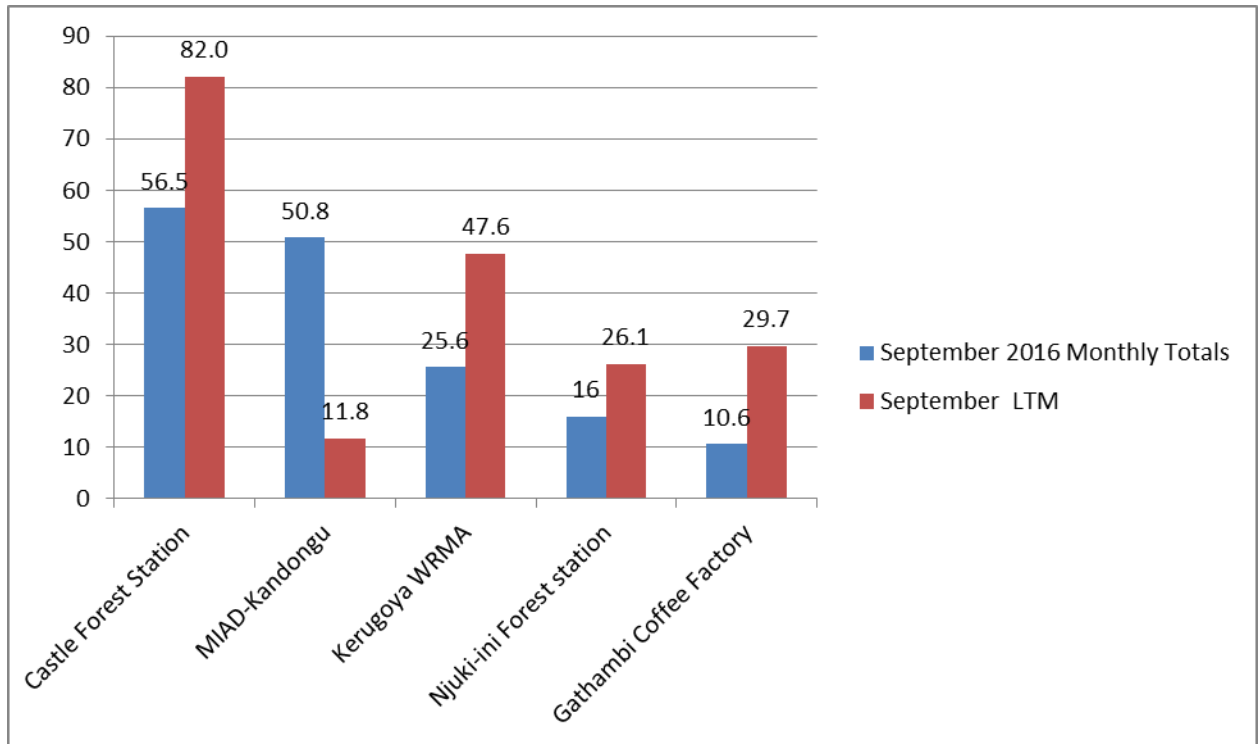


Fig. 3: Comparison of Rains Performance for the Month of September 2016 and September Long Term Means in Kirinyaga County

KIRINYAGA COUNTY OCTOBER-NOVEMBER-DECEMBER 2016 SHORT RAINS FORECAST

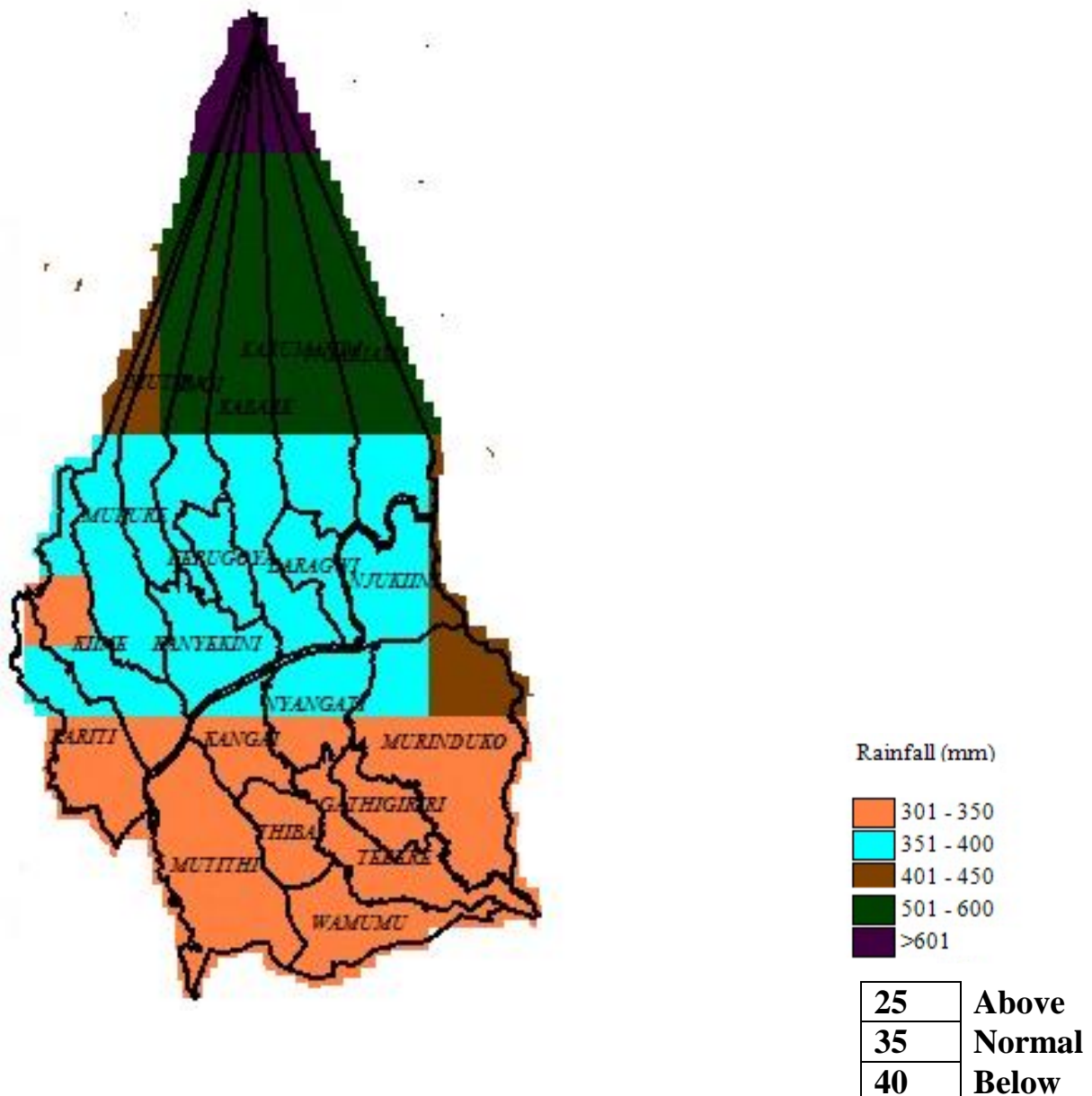


Fig. 4: Kirinyaga County OND 2016 Seasonal Forecast and the percentages of different scenarios. The highest percentage is 40% chances that the rains will be below normal

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

Table 4: Kirinyaga County OND 2016 Seasonal Forecast

KIRINYAGA COUNTY WEEKLY FORECAST

FOR THE NEXT SEVEN DAYS

Kirinyaga County is expected to experience mainly sunny intervals with morning light rains and afternoon showers over few places.

DAY	MORNING	AFTERNOON/EVENING
TUESDAY 4/10/2016	Light rains over few places	Generally sunny intervals with showers over few places
WEDNESDAY 5/10/2016		
THURSDAY 6/10/2016		
FRIDAY 7/10/2016		
SATURDAY 8/10/2016		
SUNDAY 9/10/2016		
MONDAY 10/10/2016		

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.

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