



**REPUBLIC OF KENYA**  
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Date: 13<sup>th</sup> September 2016

**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 13<sup>TH</sup> TO 19<sup>TH</sup> SEPTEMBER 2016 AND THE OCTOBER-NOVEMBER-DECEMBER 2016 SEASONAL FORECAST**

**REVIEW OF RAINFALL OVER THE LAST WEEK (5<sup>TH</sup> TO 11<sup>TH</sup> SEPTEMBER 2016) AND THE PREVIOUS WEEK (29<sup>TH</sup> AUGUST TO 4<sup>TH</sup> SEPTEMBER 2016), REVIEW FOR THE MONTH OF AUGUST 2016 AND THE SEASONAL FORECAST FOR OCTOBER-NOVEMBER-DECEMBER 2016 SHORT RAINS**

Last week (5<sup>th</sup> to 11<sup>th</sup> September 2016) was drier than the previous week (29<sup>th</sup> August to 4<sup>th</sup> September 2016). Castle Forest, Kangaita Tea Farm and WRMA Kerugoya Stations reported the highest weekly rainfall of 6.1mm each followed by MIAD-Kandongu station. Njuki-ini West Forest, Gathambi Coffee Factory and Mwea-KALRO Kimbimbi stations all reported no rainfall during last week. The above information is as presented in Table 1 and Figure 1 below.

*Table1: Rainfall intensities in order of decreasing wetness during last week (5th to 11th September 2016)*

Station No.	Station Name	Last Week	Previous Week
	Kangaita Tea Factory/Farm	6.1	40.6
9037115	Castle Forest Station	6.1	62.4
9037031	Kerugoya WRMA	6.1	31.7
9037112	MIAD-Kandongu	0.2	1.1
9037140	Njuki-ini Forest station	0	1.5
9037264	Gathambi Coffee Factory	0	20.1
9037110	Mwea-KALRO Kimbimbi	0	0

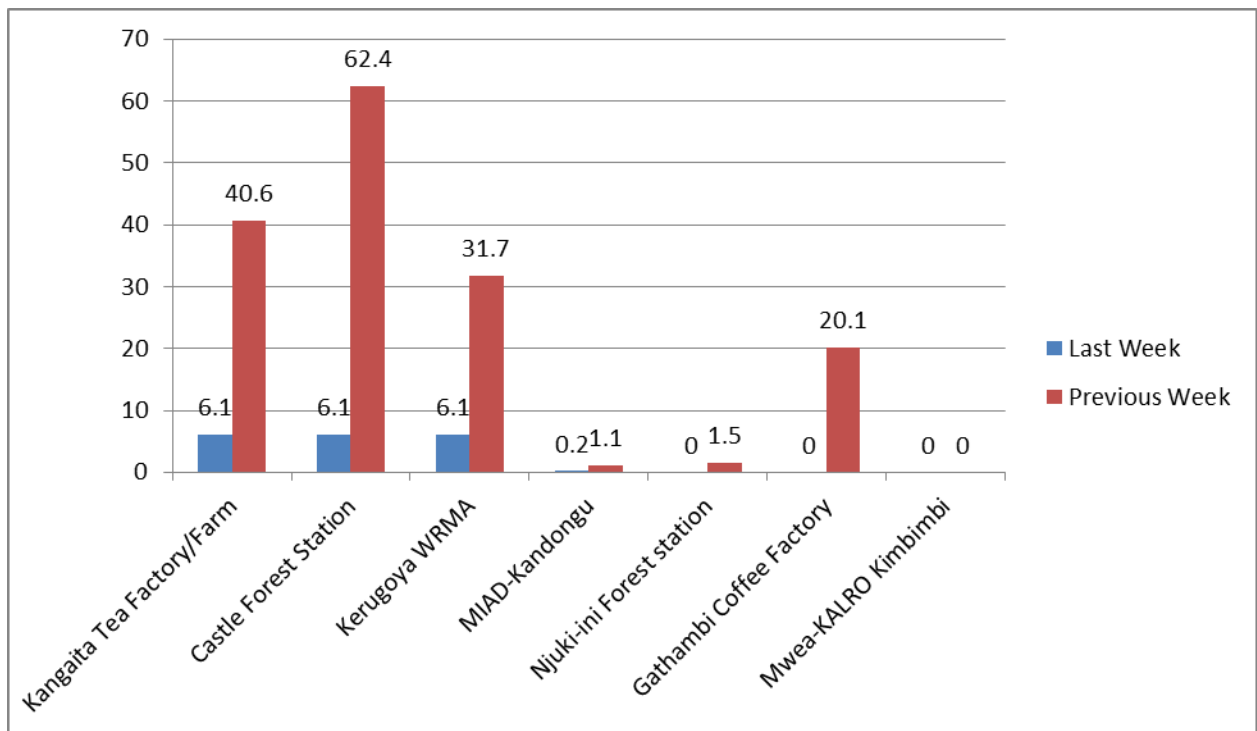


Fig. 1: Rain performance comparison between last week (5<sup>th</sup> to 11<sup>th</sup> September 2016) and the previous week (29<sup>th</sup> August to 4<sup>th</sup> September 2016)

### Rains Performance for the Month of August 2016 in Kirinyaga County

The month of August 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 Kangaita Tea Farm, Kerugoya WRMA, Gathambi Coffee Factory, Njuki-ini Forest and MIAD-Kandongu stations. Mwea KALRO Kimbimbi station did not any rainfall during the month of Au. The above information is as shown in Table 2 and Figure 2 below.

Table 2: August 2016 Monthly Total Rainfall intensities in order of decreasing wetness

Station No.	Station Name	August 2016 Totals
9037115	Castle Forest Station	113.8
	Kangaita Tea Factory/Farm	92.7
9037031	Kerugoya WRMA	48.3
9037264	Gathambi Coffee Factory	35.7
9037140	Njuki-ini Forest station	8.3
9037112	MIAD-Kandongu	7.8
9037110	Mwea-KALRO Kimbimbi	0

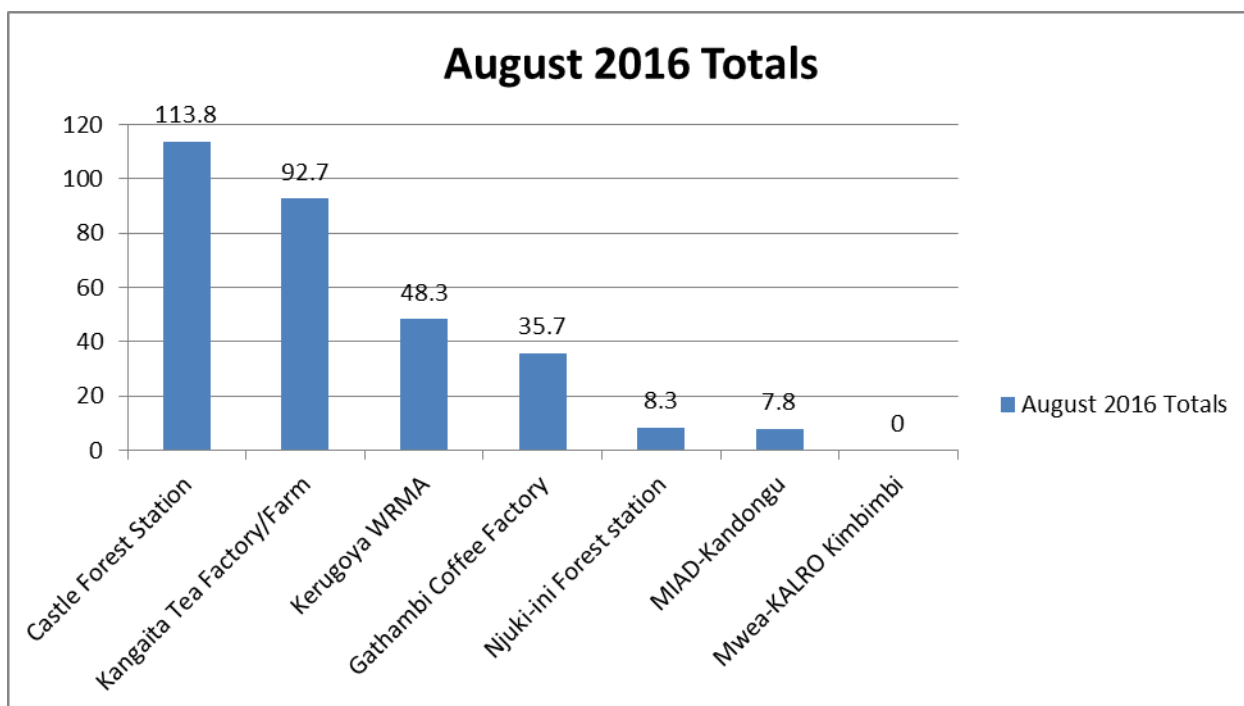


Fig. 2: Rains Performance for the Month of August 2016 in Kirinyaga County

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

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

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

Station No.	Station Name	August 2016 Totals	August LTM
9037115	Castle Forest Station	113.8	128.0
9037031	Kerugoya WRMA	48.3	62.6
9037264	Gathambi Coffee Factory	35.7	58.9
9037140	Njuki-ini Forest station	8.3	33.4
9037112	MIAD-Kandongu	7.8	6.3

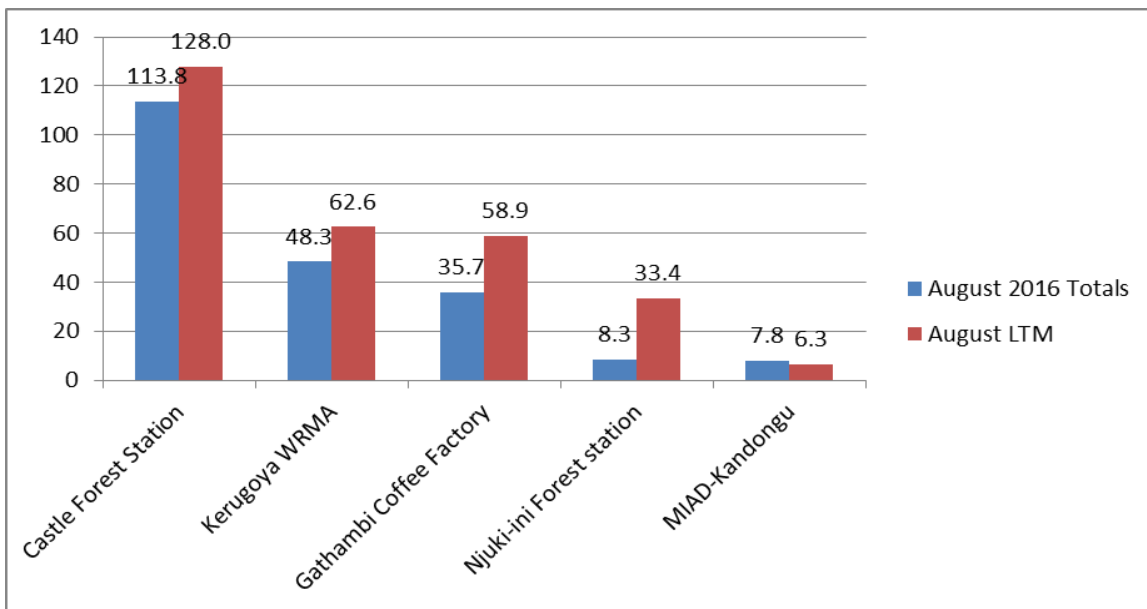


Fig. 3: Rains Performance for the Month of August 2016 as compared to the Long Term Means for August in Kirinyaga County

## KIRINYAGA COUNTY OCTOBER-NOVEMBER-DECEMBER 2016 SHORT RAINS FORECAST

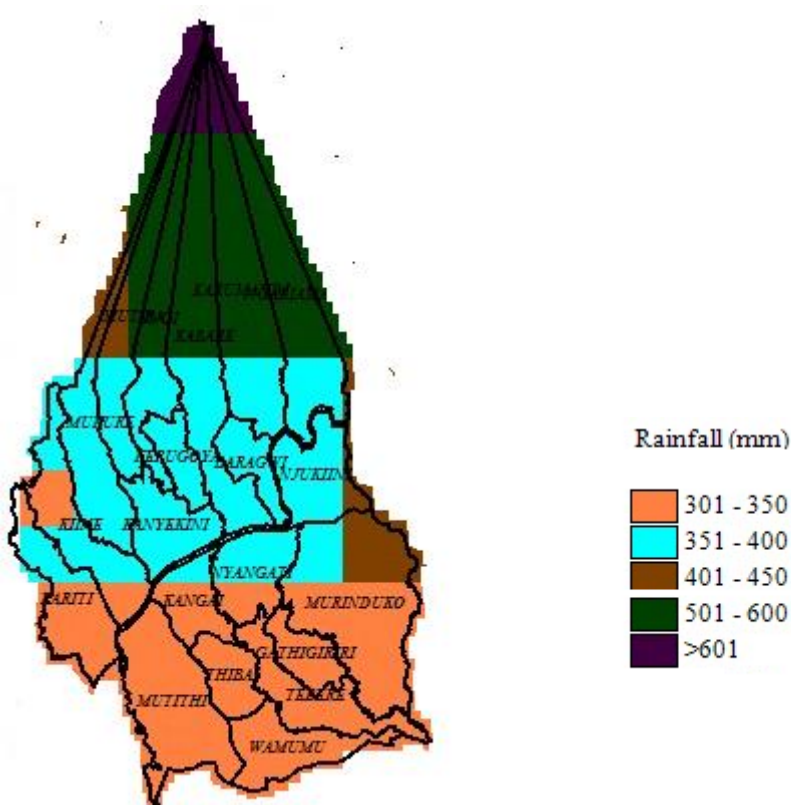


Fig. 4: Kirinyaga County OND 2016 Seasonal Forecast

Table 3: Kirinyaga County OND 2016 Seasonal Forecast

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

## **KIRINYAGA COUNTY WEEKLY FORECAST**

*FOR THE NEXT SEVEN DAYS 2<sup>nd</sup> to 8<sup>th</sup> August 2016):*

*Kirinyaga County is expected to receiving rainfall over few places especially high ground areas.*

<b>DAY</b>	<b>MORNING</b>	<b>AFTERNOON/EVENING</b>
TUESDAY 13/9/2016	Sunny intervals	Mainly sunny intervals throughout the week with Showers over few places especially high ground areas
WEDNESDAY 14/9/2016		
THURSDAY 15/9/2016		
FRIDAY 16/9/2016		
SATURDAY 17/9/2016		
SUNDAY 18/9/2016		
MONDAY 19/9/2016		

### 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**