



## Agrometeorological Bulletin N° 23, Dekad2, August (11–20) 2020 Issued on 22<sup>nd</sup> August 2020

### Summary

In the second Dekad (11-20) of August 2020; most parts of the country received light to moderate rainfall which was below the range of Long Term Mean (LTM) over many parts across the country with few exceptions of Busogo and Ngoma stations.

The temperature was within the range of LTM. The maximum temperature ranged between 20.8°C in Musanze District and 33.3°C in Rusizi district at Bugarama station. Minimum temperature ranged between 11.3°C at Busogo station in Musanze District and 19.4°C in Kigali city.

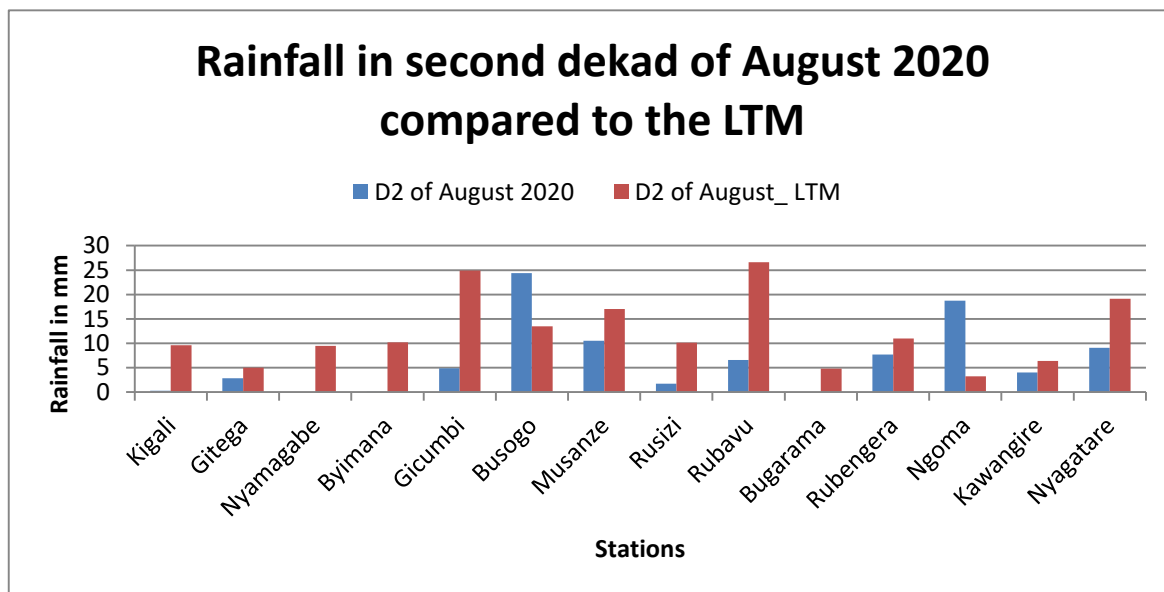


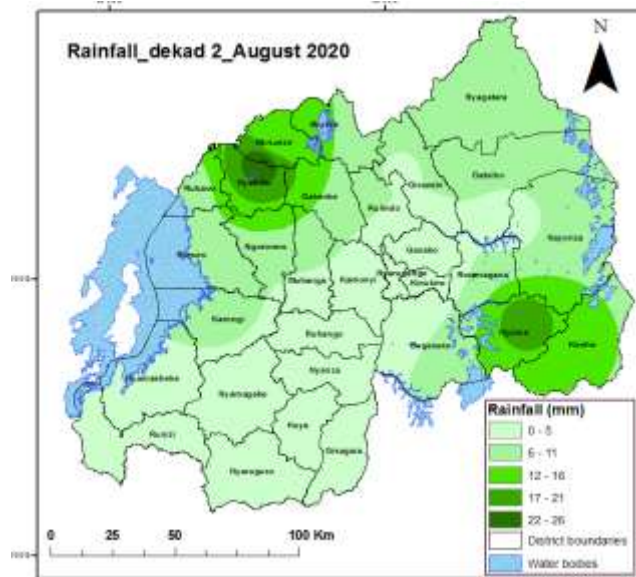
Figure 1: August D2 2020 Rainfall performance as Compared to the LTM

## 1.0 Rainfall Pattern

This section provides the overview of observed rainfall amount, rainy-days and available soil moisture for the second dekad of August, 2020.

### 1.1 Rainfall Amount

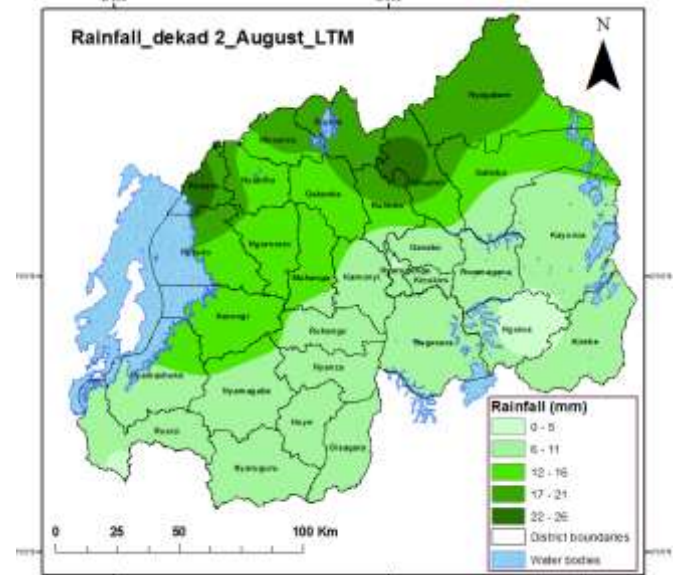
The total rainfall amount for the second dekad of August, 2020 is presented in map 1. On daily basis it was observed that this dekad received light rainfall in most parts of the country. The accumulation of rainfall in ten days ranged from 24.4mm at Busogo station which was the highest and the lowest was less than 5mm over most parts of Central, South, Western and Eastern provinces of the country.



*Map 1: Rainfall amount during 2<sup>nd</sup> Dekad of August 2020*

### 1.2 Rainfall climatology for the 2<sup>nd</sup> dekad of August

The rainfall climatology for the 2<sup>nd</sup> dekad of August is shown in map 2, which indicates that rainfall ranged from 26.6mm to 3.2mm across the country. Comparing the 2<sup>nd</sup> dekad of August 2020 and the Long Term Mean (LTM) for the same period; it was observed that in all parts of the country, the second dekad recorded slightly less rainfall compared to the Long Term Mean.

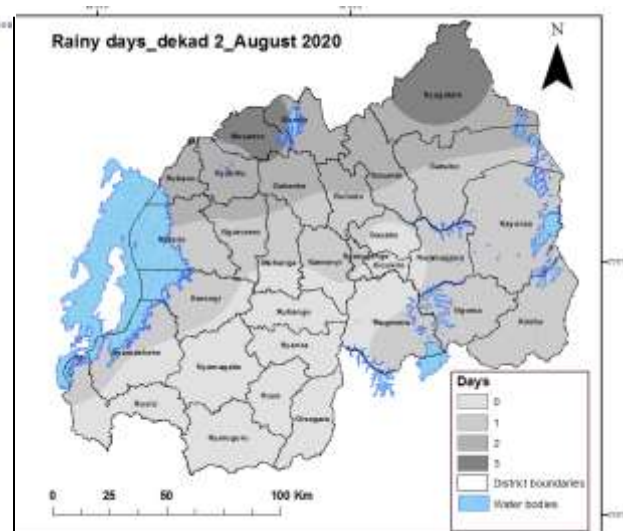


*Map 2: Rainfall amount during 2<sup>nd</sup> Dekad of August (LTM)*

### 1.3. Number of Rain Days

Map 3 shows the distribution of number of rain-days. A rainy day is defined as a day with rainfall of 0.85mm or more.

A maximum of 3 days were observed at Musanze and Nyagatare stations, 2 rainy days were observed at Gicumbi, Busogo and Rubavu stations and the rest of the country received one day and less in Central, Southern and Western regions.



*Map 3: Rainy days for dekad1 of August 2020*

## 1.4 Soil moisture index

This section shows the available soil moisture across the country. Soil moisture increased over most parts of the country due to weather conditions experienced during the second dekad of August 2020. The soil moisture will increase slightly during the third dekad of August 2020 due to the expected wet weather conditions.

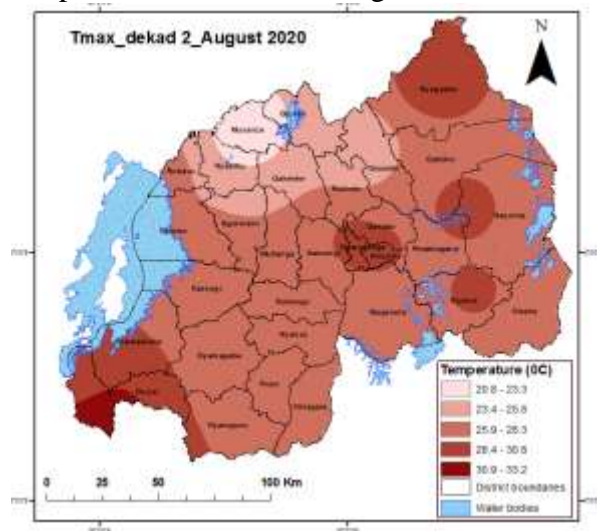
## 2.0 Temperature observation

The average maximum and Minimum temperature across the country during the second dekad of August 2020 is highlighted in the section below.

### 2.1 Mean Maximum Temperature

Map 4 shows the actual mean maximum temperature distribution across the country which indicates that the South Western, Kigali City and Eastern Provinces were warmer compared to Northern and Southern Provinces even though the maximum temperature increased a bit compared to the climatology.

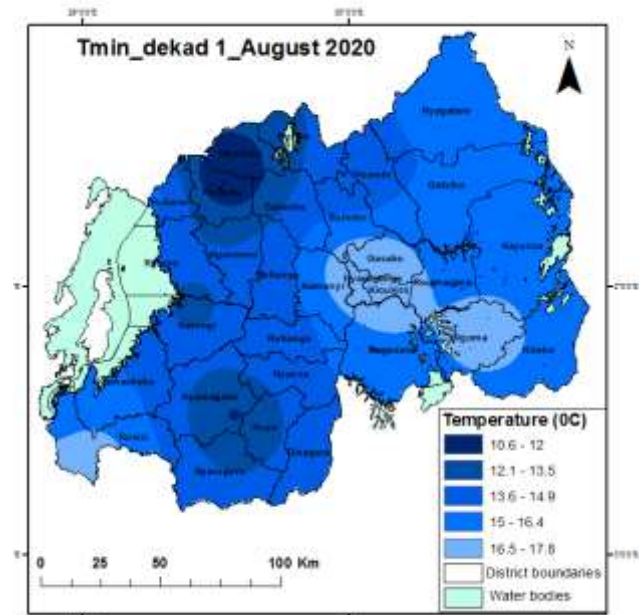
However, in most parts of the country the mean maximum temperature ranged between 20.8<sup>o</sup>C and 29.8<sup>o</sup>C with exceptional case slightly high temperature of 33.3<sup>o</sup>C at Bugarama station.



**Map 4: Mean Maximum Temperature for dekad2 August 2020**

## 2.2 Minimum Temperature

The average minimum temperature across the country is shown in Map 5. The Northern parts experienced colder temperature compared to other parts of the country, even though the minimum temperature increased a bit compared to the previous dekad. The minimum temperature ranged between 11.3<sup>o</sup>C at Busogo and 19.4<sup>o</sup>C in Kigali city.



**Map 5: Mean Minimum Temperature for dekad2 of August 2020**

## 3.0 Weather Outlook and Agricultural advisory for the third dekad (21-31) August, 2020.

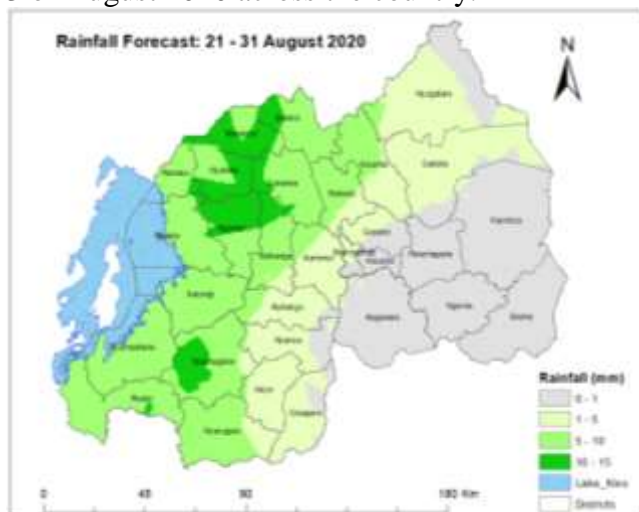
### 3.1 Weather Outlook for the third dekad of August 2020.

Rainfall expected from 21<sup>st</sup> to 31<sup>st</sup> August 2020 (dekad 3 of August) will range between 0 and 15mm countrywide. Rainfall ranging between 10 and 15mm is expected in Musanze District, small part of Burera District bordering Musanze, parts of Nyabihu District bordering Musanze, small part of Gakenke and Ngororero Districts.

The most parts of Western, Northern and the southern provinces especially in the districts of Nyaruguru and Nyamagabe are expected to receive rainfall ranging between 5 and 10mm. Rainfall between 1 and 5 milimeters is expected in northern parts of Eastern Province (Nyagatare and Gatsibo Districts), parts of Northern Province in the Southern parts of Gicumbi and Rulindo; most parts of Southern and Eastern Provinces and in parts of Gasabo and Nyarugenge Districts bordering Rulindo and Kamonyi Districts. Whereas the rest of Eastern Province and Kigali City are expected to receive rainfall between 0 and 1mm. The rainfall during the 3<sup>rd</sup> dekad of August 2020 will be within the range of Long Term Mean rainfall during dekad 3 of August 2020 across the country.

### 3.2 Agricultural Activity/Advisories

As we are approaching the agriculture season A, which will start from September to December 2020, farmers are advised to work closely with Agriculture Extension Officers for more information wich will support their agriculture activities. For more meteorological information you can visit Meteo Rwanda's website: [www.meteorwanda.gov.rw](http://www.meteorwanda.gov.rw) or call the toll free number 6080.



**Map 6: Rainfall Forecast for third dekad of August 2020**