



Agrometeorological Bulletin No.17, Dekad2, June (11–20) 2020 Issued on 23rd June 2020

Summary

The second Dekad (11-20) of June 2020; Western, Northern and Eastern Provinces of the country recorded above normal rainfall while the rest of the country recorded light rainfall which was in normal range with the Long Term Mean (LTM). The highest rainfall amount of 40.5mm was recorded at Byimana station . The temperature was within the range of LTM. The maximum temperature ranged between 19.3°C in Musanze District and 29.0°C in Rusizi District at Busogo and Bugarama stations respectively. Minimum temperature ranged between 11.4°C at Musanze and 18.1°C in Rusizi District at Bugarama station.

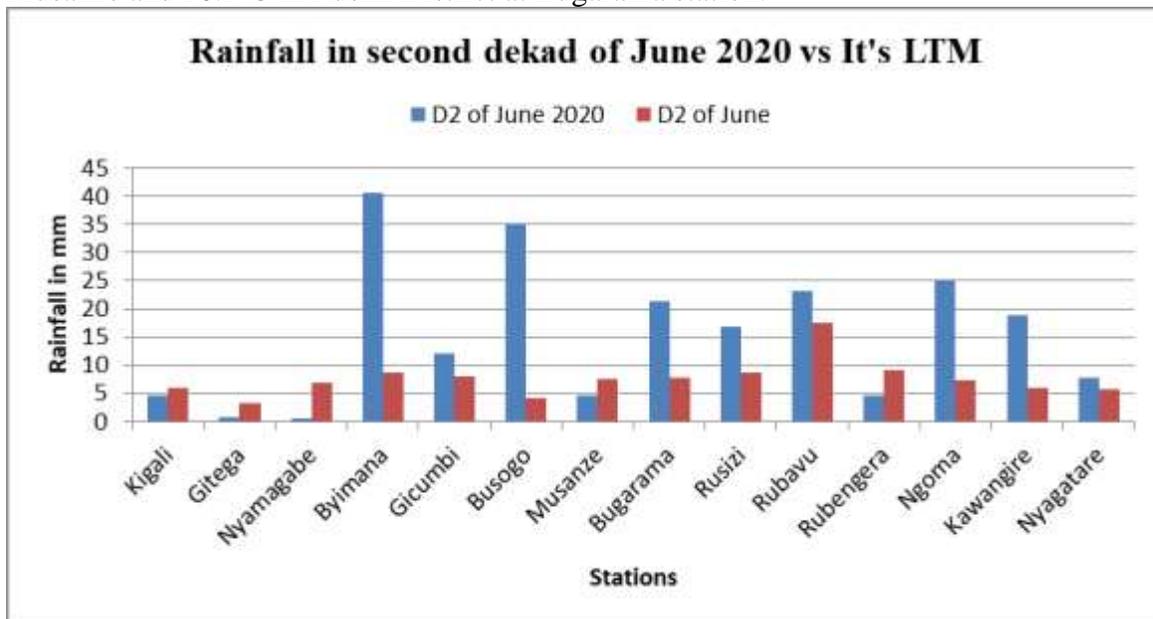


Figure 1: Rainfall performance as Compared to the LTM

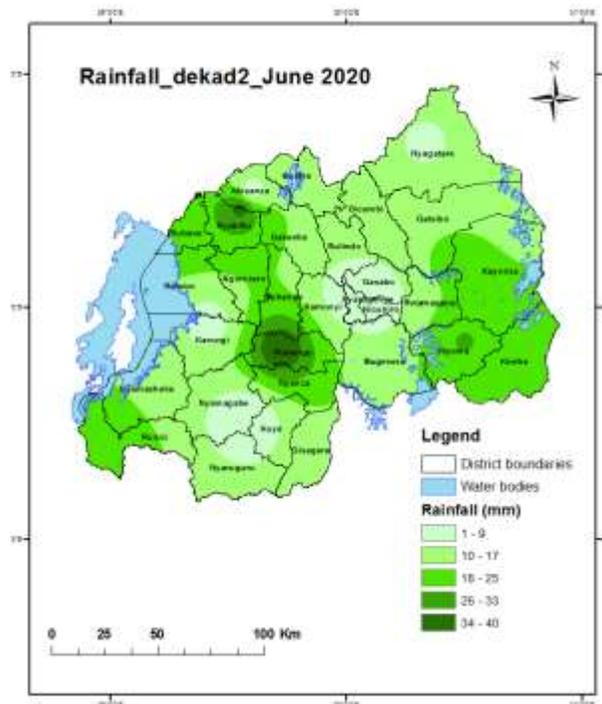
1.0 Rainfall Pattern

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

1.1 Rainfall Amount

The total rainfall amount for the second dekad of June, 2020 is presented in map 1. On daily basis it was observed that Western, Eastern and Northern Provinces of the country received much rainfall compared to rest parts of the country which recorded light rainfall.

The highest rainfall of 40.5mm was recorded at Byimana Station, 35.1mm was recorded at Busogo and 23.2mm was recorded at Rubavu Aero.

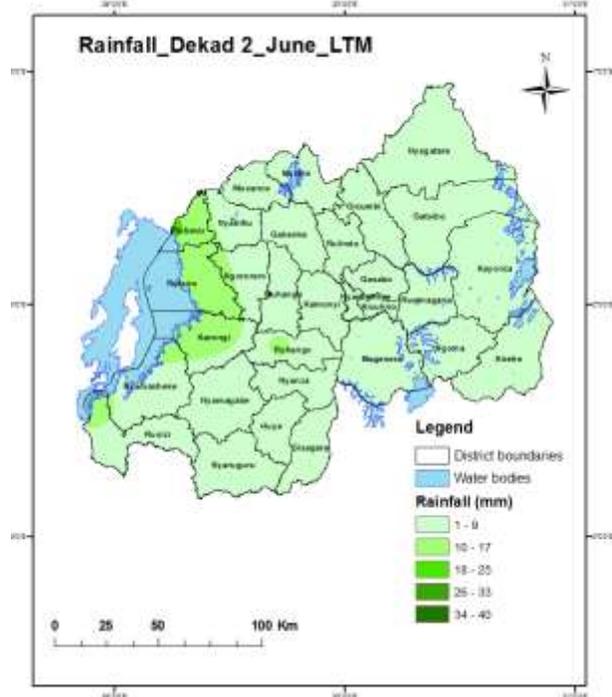


Map 1: Rainfall amount during 2nd Dekad of June 2020

1.2 Rainfall climatology for the 2nd dekad of June

The rainfall climatology for the 2nd dekad of June is shown in map 2, which indicates that rainfall ranged from 3.3mm to 17.4mm across the country. Comparing the 2nd Dekad of June 2020 and the Long Term Mean (LTM) for the

same period; it was observed that rainfall was above the LTM in most parts of the country except in Kigali city and some parts of Southern Province which recorded belownormal rainfall.

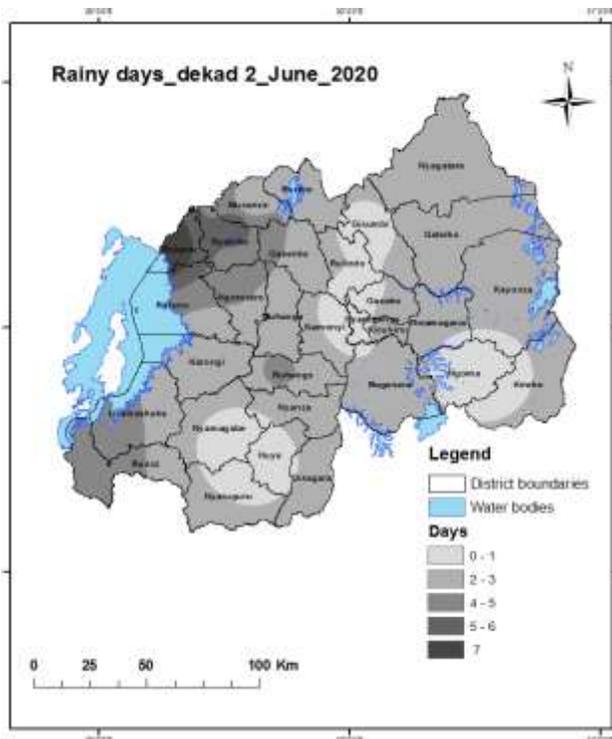


Map 2: Rainfall amount during 2nd Dekad of June (LTM)

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.

No rainfall recorded at Gitega and Nyamagabe stations, One day was observed at Gicumbi and Ngoma stations, two days were observed at Kigali Aero, Musanze, Rubengera, Kawangire and Nyagatare stations, the rest parts of the country received rain days greater than three days. The highest pick of seven days was observed at Rubavu station.



Map 3: Rainy days

1.4 Soil moisture index

This section shows the available soil moisture across the country. Soil moisture decreased over most parts of the country due to dry weather conditions experienced during first dekad of June 2020. The soil moisture will continue to decrease during the third dekad of June 2020 due to the expected persistence of dry weather conditions.

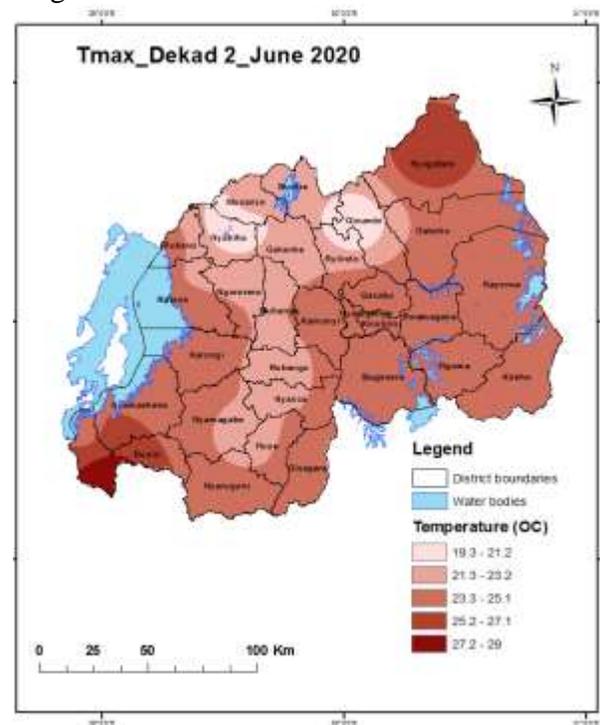
2.0 Temperature observation

The average maximum and Minimum temperature across the country during the 2nd dekad of June 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.

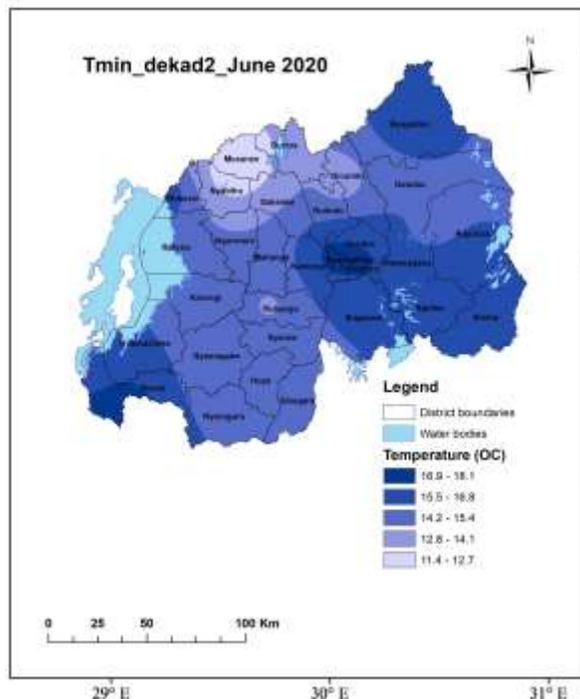
However, in most parts of the country the mean maximum temperature ranged between 19.3⁰C and 26.6⁰C with exceptional case of 29.0⁰C at Bugarama station.



Map 4: Mean Maximum Temperature for dekad2 June 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 decreased a bit compared to the previous dekad. The minimum temperature ranged between 11.4⁰C at Musanze to 18.1⁰C at Bugarama.



Map 5: Mean Minimum Temperature for dekad2 of June 2020

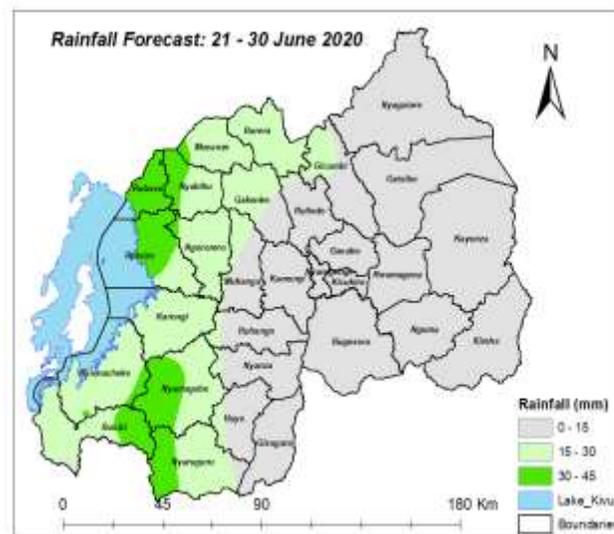
3.0 Weather Outlook and Agricultural advisory for the 3rd dekad (21-30) June, 2020.

3.1 Weather Outlook for the 3rd dekad of June 2020.

Rainfall Expected from 21st to 30th June 2020 (Dekad 3) ranged between 0 and 45mm countrywide. Spatial distribution shows that rainfall ranged between 30 and 45mm is expected in Rubavu District, part of Rutsiro, Nyabihu, Nyamasheke, Nyamagabe, Nyaruguru and Rusizi Districts. Rainfall ranged between 15 and 30mm is expected in remaining parts of Western province, in Burera, Musanze, remaining part of Nyaruguru and Nyamagabe Districts, part of Gakenke Muhanga and Gicumbi. The remaining parts are expected to experience rainfall between 0 and 15mm.

These rain is expected between 21st and 25th June 2020 with the average of 2 to 4 rainy days according to the area and will mainly result from local effects.

The rainfall expected in the dekad 3 of June 2020 is above the Long Term Average of third dekad of June across the country. The Long Term Average range of June dekad 3 is between 0mm and 30mm.



Map 6: Rainfall Forecast for third dekad of June 2020

3.2 Agricultural Activity/Advisories

There is a widespread of rainfall cessation across the country, farmers are advised to start using irrigation where necessary and harvesting. Farmers are also advised to work closely with Agriculture Extension Officers for more information. For more meteorological information about weather forecast you can visit Meteo Rwanda's website: www.meteorwanda.gov.rw.