



Agrometeorological Bulletin N° 24/2024, Dekad 3 -August (21st -31st) 2024

Issued on 4th September 2024

Summary

The analysis shows that rainfall deficit compared to the Long Term Mean (LTM) marked the third dekad (from 21st - 31st) of August 2024 with exception of some areas of Kigali city and Eastern Province. The rainy days ranged between one to five days across the country. The observed mean temperature was slightly above the range of the Long Term Mean in many areas of the country.

1.0 Rainfall Pattern

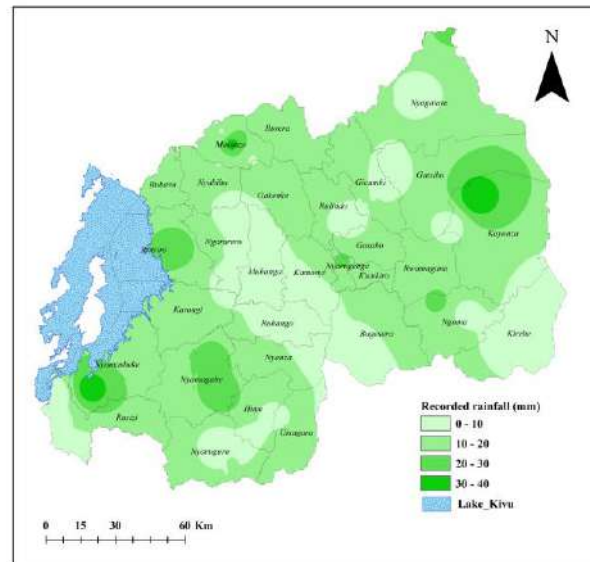
This part contains the recorded rainfall amount, rainfall anomalies and comparison to the observed rainfall against the Long-Term Mean (LTM).

1.1. Rainfall Amount

The cumulative rainfall of the third dekad of August 2024 is represented in Map 1. It was noted that during this dekad; many parts of Southern Province as well as southern part of Eastern Province, received less rainfall compared to the remaining parts of the country. The highest rainfall amount of 39.7 mm was recorded over Mwiri station located in Kayonza District in three rainy days, followed by Ntendezi station located in Nyamasheke District, which observed 39.2 mm also in three rainy days and Ruhengeri station in Musanze District, recorded 35.3 mm in four rainy days. The lowest rainfall amount in this dekad was 0.2 mm, which observed at Ruhuha station from Bugesera District.

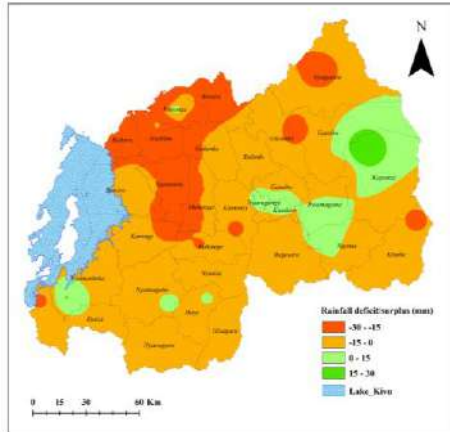
1.2 Rainfall Anomaly (Deficit and Surplus)

The rainfall anomaly over the country is displayed in map 2. Compared to the Long Term Mean (LTM), dekad three of August 2024 was characterized by rainfall deficit over many parts



Map 1: Rainfall amount during 3rd dekad of August 2024

of the country especially in northwestern. However, some parts of Gatsibo, Kayonza, Rwamagana, Ngoma, Nyamasheke and Kigali city observed rainfall surplus.



Map 2: Rainfall anomaly during the 3rd dekad of August 2024

1.3. Comparison of observed rainfall with LTM for the 3rd dekad of August 2024

The comparison of recorded rainfall amount in the 3rd dekad of August 2024 and the Long-term mean (LTM) across the country is shown in both Figure 1 (a) and (b); Many weather stations reported less rainfall amount compared to the LTM. This is demonstrated by the analysis, which revealed that only eight (8) stations out of forty four (44) recorded rainfall surplus.

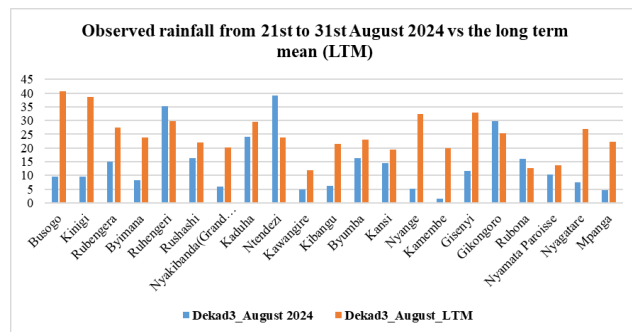


Figure 1(a): Comparison of observed rainfall in the 3rd dekad of August 2024 with long term mean

2.0 Temperature observation

The average Maximum and Minimum

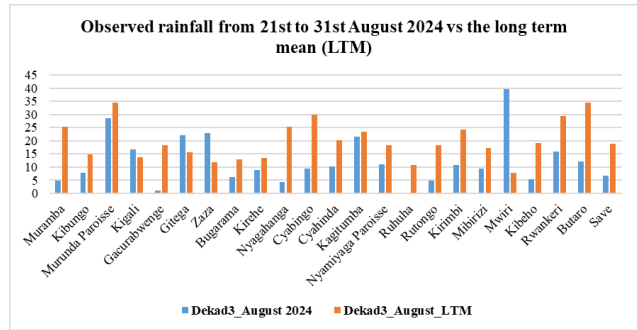
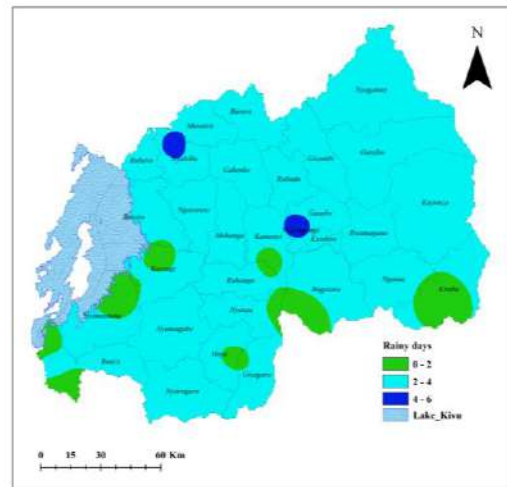


Figure 1(b): Comparison of observed rainfall in the 3rd dekad of August 2024 with long term mean

1.4 Number of Rain Days

The Map 3 shows the distribution of the number of rain days across the country. A rainy day is defined as a day with at least 0.85 mm of rainfall. The analysis demonstrated that the rainy days varied between one to five days; however one station (Ruhuha) in Bugesera District did not record a rainy day.



Map 3: Rainy days during 3rd dekad of August 2024

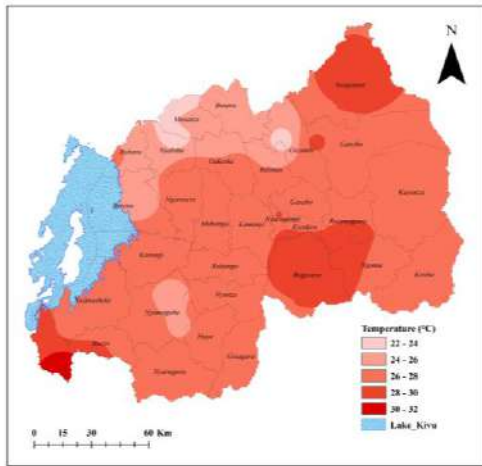
1.5 Soil moisture condition

Soil moisture reduced in many parts of the country during the third dekad of the month particularly in northern and western parts of the country, and it is likely to continue decreasing in the 1st dekad of September 2024 as a result of expected rainfall deficit in the first days of

temperature across the country is highlighted in the section below.

2.1 Mean Maximum Temperature

Map 4: represents the mean maximum temperature distribution across the country during the 3rd dekad of August 2024. The maximum temperature was slightly above the normal range of Long-Term Mean (LTM) over many parts of the country. The lowest maximum temperature of 21.5°C was recorded over Kinigi station (Musanze District) while the highest maximum temperature of 32.3°C was recorded over Bugarama station (Rusizi District). Rusizi, Nyagatare, Bugesera and some parts of Ngoma and rwamagana Districts were warmer compared to the remaining parts.

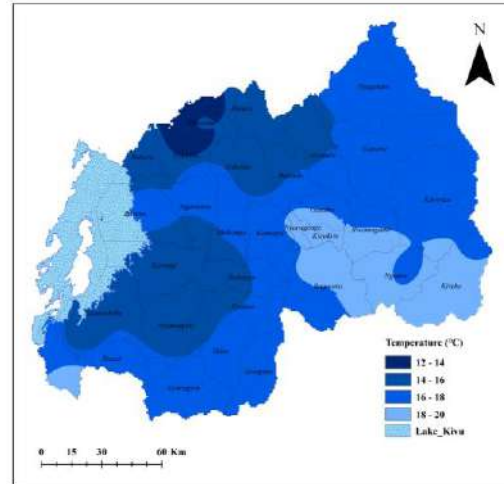


Map 4: Mean Maximum Temperature for the 3rd dekad of August 2024

2.2 Minimum Temperature

The average minimum temperature across the country is shown in Map 5. The minimum temperature was slightly above the range of the Long term mean over many parts of the country during the third dekad of August 2024. The lowest minimum temperature of 12.4°C was recorded at Busogo station in Musanze District while the highest minimum temperature of 19.8°C was recorded over Bugarama weather station in Rusizi station. Nyabihu and Musanze Districts were highlighted as the coldest regions

dekad.



Map 5: The mean Minimum Temperature for the 3rd dekad of August 2024

3.0 Weather Outlook and Agricultural advisories for the 1st dekad of September (1st to 10th), 2024.

3.1. Weather Outlook for the 1st to 10th September 2024.

Please click [here](#) for more information on weather forecast for the 1st dekad of September 2024.

3.2 Agricultural Activity/Advisories

Based on the provided ten-day weather forecast for the 1st dekad of September 2024 rainfall, which indicates wet conditions from 6th September especially over Northern and Western Provinces, and which is marking the start of Sptember-December (SOND) 2024 rainy season (Umuhindo), farmers are advised to meet agronomists in their respective areas for more information regarding the Agricultural Season A. They are also advised to contact veterinarians in their respective localities for assistance in monitoring diseases that may affect their animals as a result of seasonal shifts.

than the remaining parts.

For more meteorological information, you can visit **Meteo Rwanda's website:** www.meteorwanda.gov.rw or call the tollfree number 6080.