



Agrometeorological Bulletin N° 9/2025, Dekad 3-March (21st – 31st) 2025

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Summary

The analysis showed that during the third dekad (from 21st to 31st) of March 2025, many parts of country experienced rainfall deficit compared to the Long Term Mean (LTM) of this dekad, however, some parts of Southern, Eastern and Northern Provinces experienced rainfall surplus. The number of rainy days across the country ranged between three to nine. The observed mean temperature was slightly above the range of the Long Term Mean in many parts of the country.

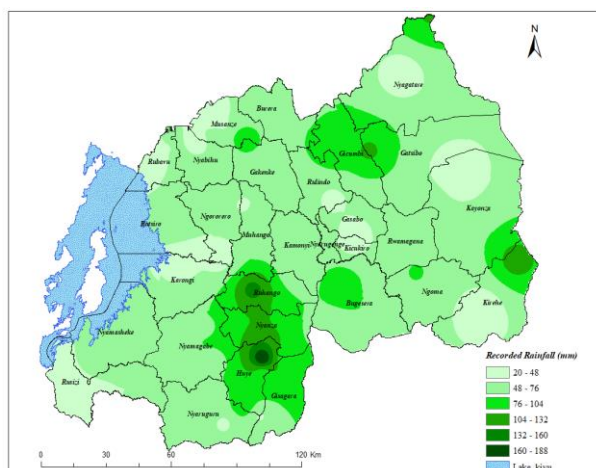
1.0 Rainfall Pattern

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 3rd dekad of March 2025 is represented in Map 1. It was noted that during this dekad; some parts of Southern Province, Kirehe and Gatsibo Districts received much rainfall compared to the remaining parts of the country. The highest rainfall amount of 188.4 mm was recorded over Rubona station located in Huye District in 7 rainy days, followed by Byimana station located in Ruhango District, which observed 141.9 mm in 9 rainy days and Mpanga station located in Kirehe District observed 115.6 mm in 5 rainy days.

While Mwiri station located in Kayonza District recorded less rainfall amount of 20.8 mm during this second dekad of March 2025.



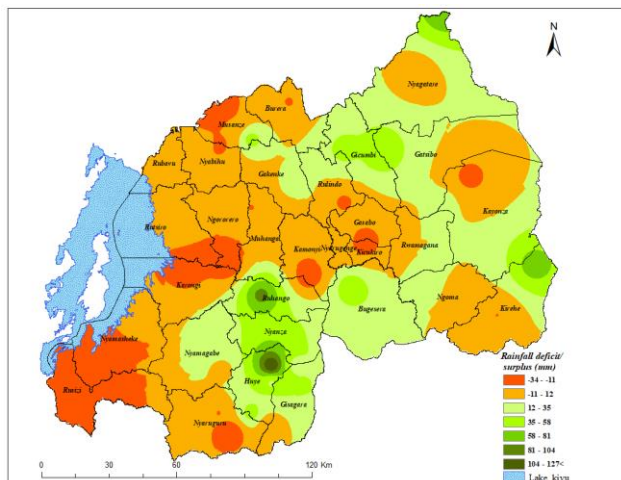
Map 1: Rainfall amount during 3rd dekad of March 2025

1.2 Rainfall Anomaly (Deficit and Surplus)

1.3. Comparison of observed rainfall with LTM for the third dekad of March 2025 The



The rainfall anomaly over the country is displayed in map 2. Compared to the Long Term Mean (LTM), the third dekad of March 2025 was characterized by rainfall deficit over many parts of the country. However some parts of Southern, Eastern and Northern Provinces observed rainfall surplus.



Map 2: Rainfall anomaly during the 3rd dekad of March 2025

comparison of recorded rainfall amount in the 3rd dekad of March 2025 and the Long-term mean (LTM) across the country is shown in both Figure 1 (a) and (b) where most parts of country observed low rainfall amount compared to the LTM. This is demonstrated by the analysis, which indicates that twenty - six (26) stations out of 44 stations reported rainfall deficit while eighteen (18) stations recorded rainfall surplus during this second dekad.

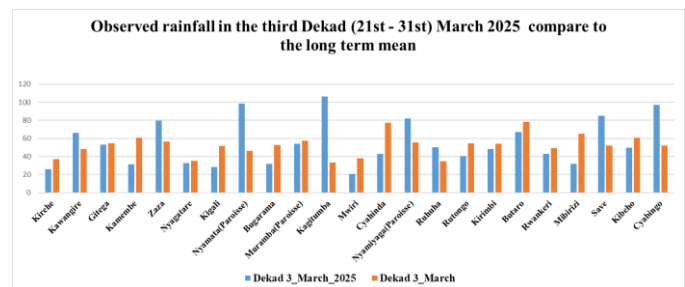
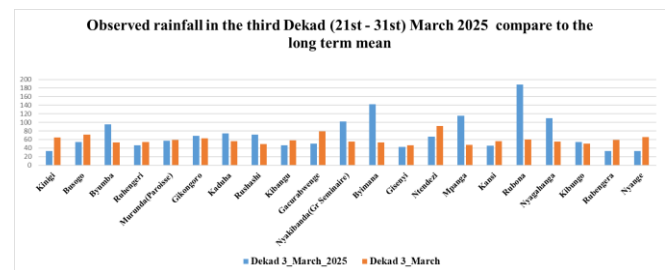


Figure 1 (a&b): Comparison of observed rainfall in the 3rd dekad of March 2025 with long term mean

1.4 Number of Rain Days

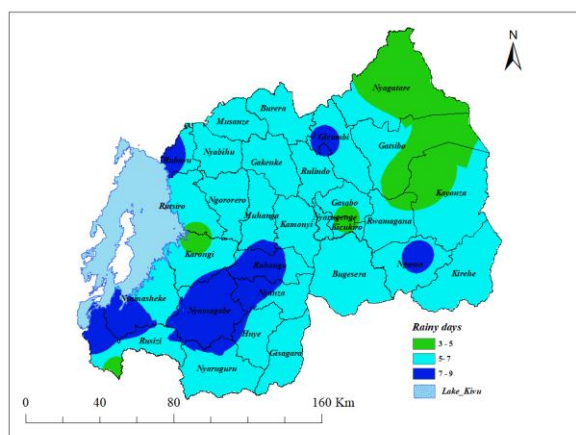
The Map 3 shows the distribution of the number of

2.0 Temperature observation

The average Maximum and Minimum temperature across the country is highlighted in



rainy 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 ranged between three and nine days. Many rainy days were observed over many part of Southern Province, Rusizi, Nyamasheke, Rubavu, Gicumbi and Ngoma Districts while few rainy days were observed over small parts of Eastern Province, Kigali City as well as Karongi District during this third dekad of March 2025.



Map

3: Rainy days during 3rd dekad of March 2025

1.5 Soil moisture condition

Soil moisture content was good in many parts of the country during the third dekad of March 2025, and it is expected to remain in good condition during the first dekad of April 2025, due to the expected rainfall which will be in the range of the long term mean.

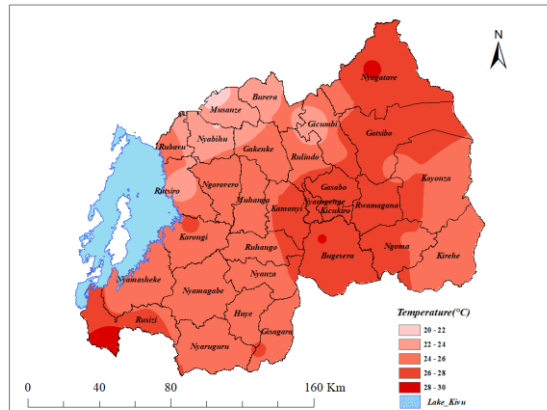
2.2 Minimum Temperature

The average minimum temperature across the country is shown in Map 5. The minimum

the section below.

2.1 Mean Maximum Temperature

Map 4: represents the mean maximum temperature distribution across the country during the 3rd dekad of March 2025. The maximum temperature was slightly above the range of Long-Term Mean (LTM) over many parts of the country. The lowest maximum temperature of 20.3°C was recorded over Kinigi station (Musanze District) while the highest maximum temperature of 30°C was recorded over Bugarama station in Rusizi District. Nyagatare, Bugesera and Rusizi Districts (particular in Bugarama plain) were warmer compared to the remaining parts of country.

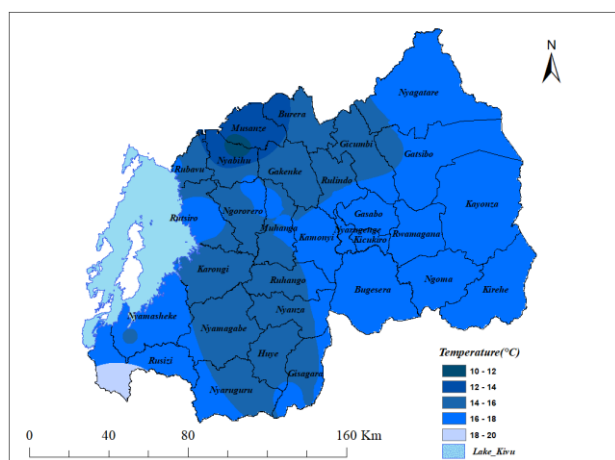


Map 4: Mean Maximum Temperature for the 3rd dekad of March 2025

3.0 Weather Outlook and Agricultural



temperature was slightly above the range of the Long term mean over most parts of the country during the 3rd dekad of March 2025 . The lowest minimum temperature of 10.2°C was recorded at Busogo station in Musanze District while the highest minimum temperature of 20.6 °C recorded over Bugarama weather station in Rusizi station. Musanze and Nyabihu Districts were highlighted as the coldest regions than the remaining parts of the country.



Map 5: The mean Minimum Temperature for the 3rd dekad of March 2025

advisories for the first dekad of April (01st to 10th), 2025.

3.1. Weather Outlook for the 01st to 10th April 2025.

Please click [here](#) for more information on weather forecast for the first dekad of April 2025.

3.2 Agricultural Activity/Advisories

Due to the expected rainfall which will be in the range of the long-term mean (LTM) in this first dekad of April 2025, and the soil already being saturated in many areas of the country, farmers are encouraged to continue their agricultural activities, they should also consult with agronomists for advice on how to monitor crops during this Season B, by considering both the seasonal and short-term weather forecasts (10-day and monthly outlooks).

Farmers are also advised to implement measures to prevent soil erosion, such as digging trenches, ensuring proper drainage, and collecting rainwater for future use.

For livestock, they are recommended to work closely with veterinarians to receive guidance on monitoring diseases associated with wet weather conditions.

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