Agrometeorological Bulletin N° 15/2025, Dekad 3 of May (21st – 31st) 2025

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Summary

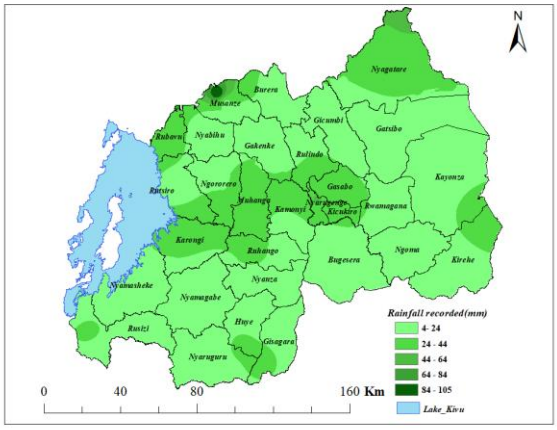
The analysis showed that during the third dekad (from 21st to 31st) of May 2025, many parts of country experienced rainfall deficit compared to the Long Term Mean (LTM) of this dekad. However, Kigali City, small parts of Eastern and Southern Provinces and Musanze, Rubavu and Karongi Districts experienced rainfall surplus. The number of rainy days across the country ranged between one and eight. 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 of the observed rainfall against the Long-Term Mean (LTM).

1.1. Rainfall Amount

The cumulative rainfall of the 3rd dekad of May 2025 is represented in Map 1. It was noted that during this dekad; Musanze and Nyagatre Districts received much rainfall amount compared to the remaining parts of the country. The highest rainfall amount of 104.6 mm was recorded over Kinigi station located in Musanze District in eight rainy days, followed by Kagitumba station located in Nyagatare District, which observed 56.2 mm in four rainy days and Gitega station located in Nyarugenze District that observed 45.6 mm in three rainy days. While Bugarama station located in Rusizi District recorded less rainfall amount of 4.4 mm during this third dekad of May 2025.



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

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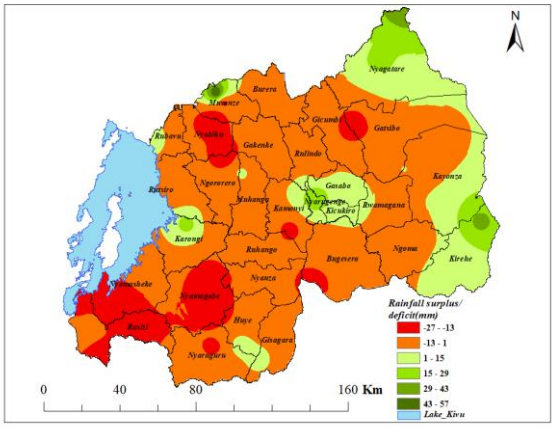
1.2 Rainfall Anomaly (Deficit and Surplus)

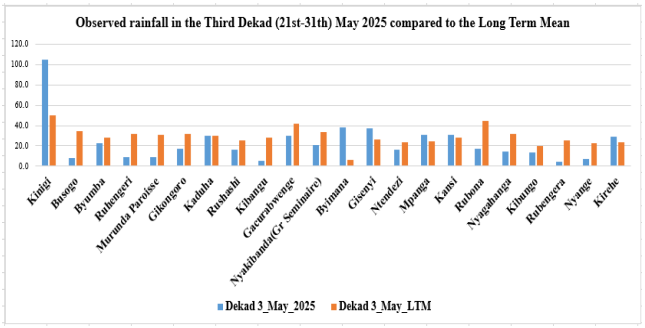
The rainfall anomaly over the country is displayed in map 2. Compared to the Long Term Mean (LTM), the third dekad of May 2025 was characterized by rainfall deficit over many parts of the country. However, Kigali City, small parts of Eastern and Southern Provinces, Musanze, Rubavu and Karongi Districts experienced rainfall surplus.



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

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

The comparison of recorded rainfall amount in the 3rd dekad of May 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 less rainfall amount compared to the LTM. This is proved by the analysis, which indicates that thirty one (31) stations out of 44 stations reported rainfall deficit while thirteen (13) stations recorded rainfall surplus during this third dekad of May 2025.



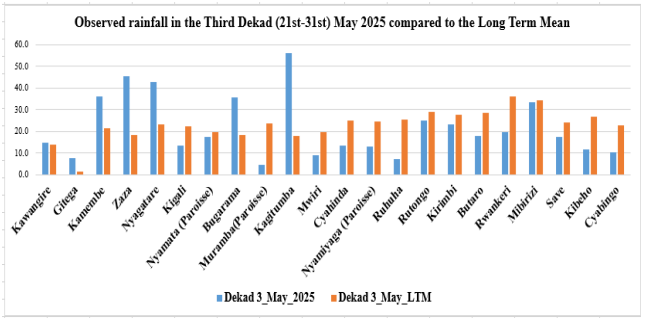


Figure 1 (a&b): Comparison of observed rainfall in the 3rddekad of May 2025 with Long Term Mean

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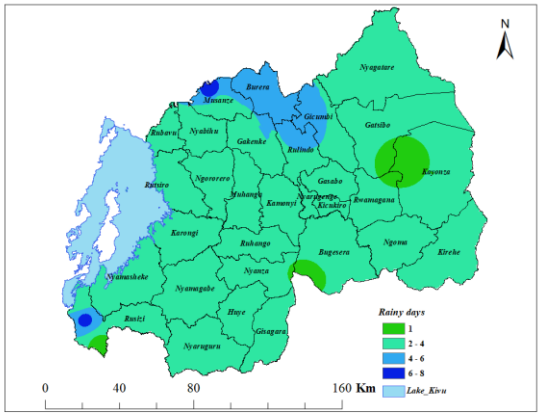
1.4 Number of Rain Days

The Map 3 shows the distribution of the number of rainy days across the country. A rainy day is defined as a day with at least 0.85 mm of rainfall. The analysis indicated that the rainy days ranged between one and eight days. Many rainy days were observed in Musanze and Rusizi Districts, while few rainy days were observed in small portions of Bugesera, Kayonza and Rusizi Districts during this third dekad of May 2025.



Map 3: Rainy days during 3rd dekad of May 2025

1.5 Soil moisture condition

Soil moisture content has decreased in many parts of the country during the third dekad of May 2025 and it is expected to continue decreasing in the first dekad of June 2025 as we are starting the dry season .

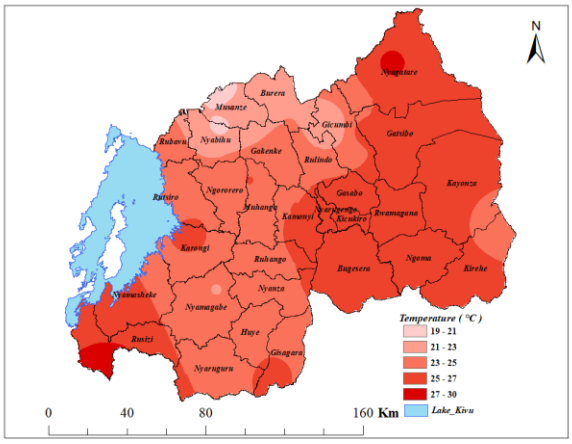
2.0 Temperature observation

The average Maximum and Minimum 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 May 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 19°C was recorded at Kinigi station in Musanze District while the highest maximum temperature of 30.1°C was recorded over Bugarama station in Rusizi District.

Nyagatare and Rusizi (particulary in Bugarama plain) Districts were warmer compared to the remaining parts of the country.



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

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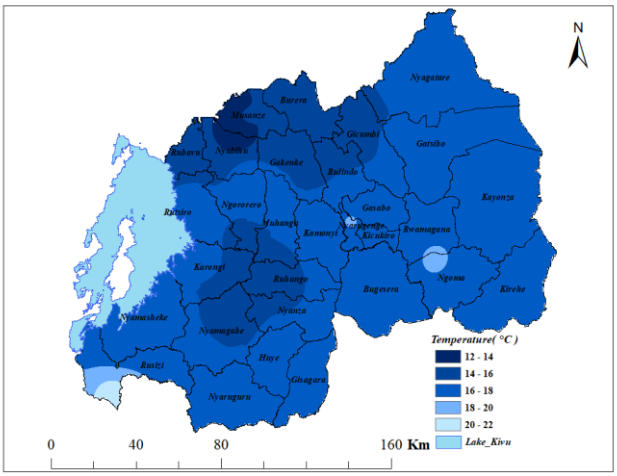
2.2 Minimum Temperature

The average minimum temperature across the country is shown in Map 5. The minimum temperature was above the range of the Long term mean over most parts of the country during the 3rd dekad of May 2025. The lowest minimum temperature of 12.1°C was recorded at Busogo station in Musanze District while the highest minimum temperature of 21.0°C recorded over Bugarama weather station in Rusizi District.

Musanze and Nyabihu Districts were highlighted as the coldest regions than the remaining parts of the country during this dekad.



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

3.0 Weather Outlook and Agricultural advisories for the First dekad of June (1st to 10th), 2025.

3.1. Weather Outlook for the 1st to 10th June 2025.

Please click here for more information on weather forecast for the first dekad of June 2025.

3.2 Agricultural Activity/Advisories

Based on the provided ten-day weather forecast for the 1st dekad of June 2025 , which indicates rainfall and temperature within the range of Long Term Mean in most parts of the country, farmers are encouraged to contact agronomists for guidance on agricultural activities related to harvesting , post-harvest , crop drying and storage.

Moreover, farmers are also advised to contact veterinary services in their respective areas to obtain information on the expected climate outlook and to monitor potential diseases that may affect their livestock due to dry weather conditions

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

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