



Agrometeorological Bulletin N° 4/2025, Dekad 1-February(1st -10th) 2025

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Summary

The analysis showed that during the First dekad (from 1st -10th) of February 2025, many parts of country experienced rainfall deficit compared to the Long Term Mean (LTM) of this dekad, while small parts of Southern Province, Southeast, Northwest, Nyamasheke, Rusizi and Nyagatare Districts experienced rainfall surplus. Rainy days ranged between one and seven days across the country. The observed mean temperature was slightly above the range of the Long Term Mean in many parts of the country.

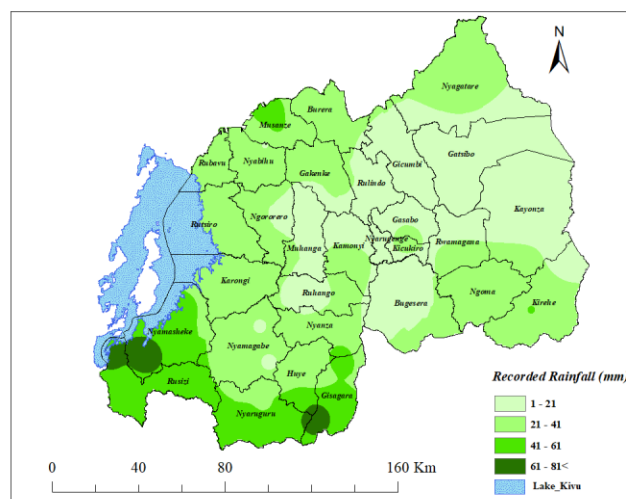
1.0 Rainfall Pattern

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 1st dekad of February 2025 is represented in Map 1. It was noted that during this dekad; Musanze, Nyamasheke, Rusizi, Nyaruguru, Huye and Gisagara Districts received much rainfall compared to the remaining parts of the country. The highest rainfall amount of 82 mm was recorded over Kansi station located in Gisagara District in 4 rainy days, followed by Ntendezi station located in Nyamasheke District, which observed 69.8 mm in 5 rainy days and Kamembe-Aero station located in Rusizi District, which observed 64 mm in 6 rainy days.

However Nyamata (Paroisse) station located in Bugesera district recorded less rainfall amount of 1.1 mm during this first dekad of February 2025.

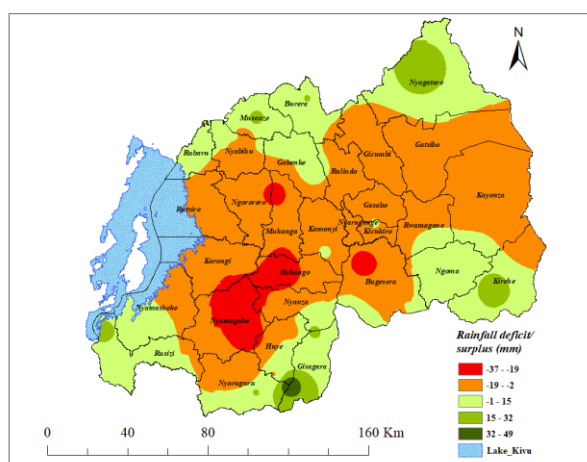


Map 1: Rainfall amount during 1st dekad of February 2025



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), first dekad of February 2025 was characterized by rainfall deficit over many parts of the country. However small parts of Southern Province, Southeast, Northwest, Nyamasheke, Rusizi and Nyagatare Districts observed rainfall surplus.



Map 2: Rainfall anomaly during the 1st dekad of February 2025

1.3. Comparison of observed rainfall with LTM for the first dekad of February 2025

The comparison of recorded rainfall amount in the 1st dekad of February 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 revealed that twenty-six (26) stations reported rainfall deficit while eighteen (18) stations recorded rainfall surplus.

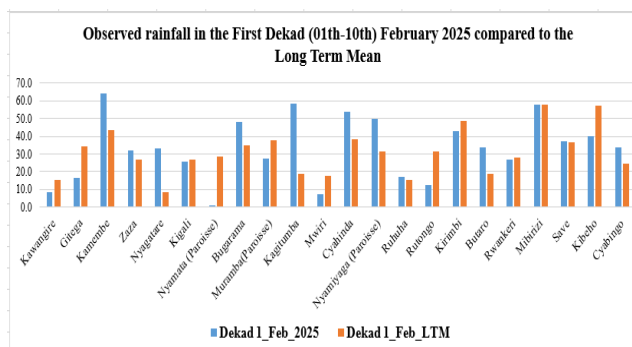
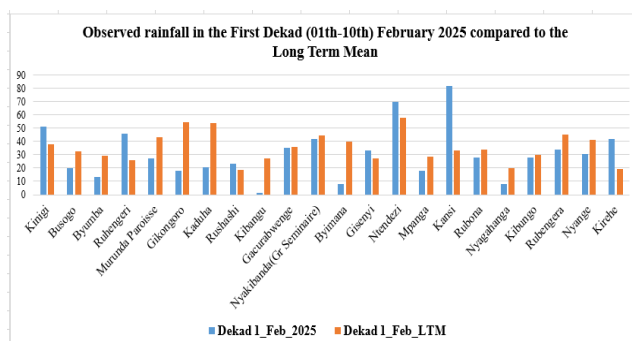
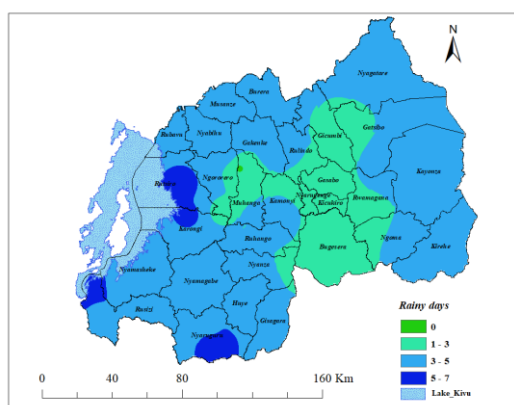


Figure 1 (a&b): Comparison of observed rainfall in the 1st dekad of February 2025 with



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 demonstrated that the rainy days ranged between one and seven days. Many rainy days were observed over Rutsiro, Karongi, Rusizi and Nyaruguru Districts while kibangu station located in Muhanga District recorded no Rainy day during this first Dekad of February 2025.



Map 3: Rainy days during 1st dekad of February 2025

1.5 Soil moisture condition

Soil moisture content was decreased in many parts of the country during the First dekad of February 2025 and it will continue decreasing in the second dekad of February 2025 due to the expected rainfall which is below compared to the rainfall in previous dekad.

long term mean

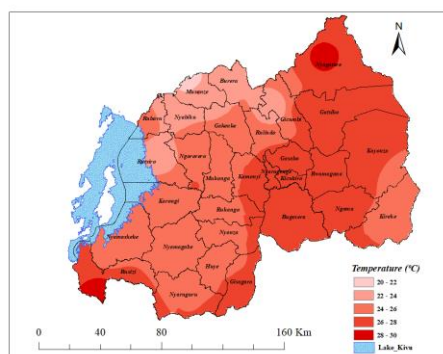
2.0 Temperature observation

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 1st dekad of February 2025. The maximum temperature was in the range of Long-Term Mean (LTM) over many parts of the country. The lowest maximum temperature of 20.6°C was recorded over Kinigi station (Musanze District) while the highest maximum temperature of 29.8°C was recorded over Bugarama station (Rusizi District).

Kigali City, Eastern province, some parts of Southern province and Rusizi District (particularly in Bugarama plain) were warmer compared to the remaining parts.



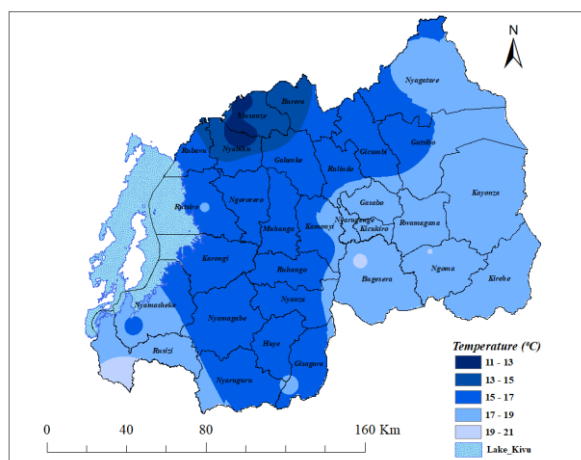
Map 4: Mean Maximum Temperature for the 1st dekad of February 2025



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 most parts of the country during the 3rd dekad of February 2025. The lowest minimum temperature of 10.5°C was recorded at Busogo station in Musanze District while the highest minimum temperature of 20.8°C was recorded over Bugarama weather station in Rusizi station.

Musanze, Burera and Nyabihu Districts were highlighted as the coldest regions than the remaining parts.



Map 5: The mean Minimum Temperature for the 1st dekad of February 2025

3.0 Weather Outlook and Agricultural advisories for the Second dekad of February (11th to 20th), 2025.

3.1. Weather Outlook for the 11th to 20th February 2025.

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

3.2 Agricultural Activity/Advisories

Based on predicted rainfall during the second dekad of February 2025; which will be in the range of the LTM; farmers are encouraged for land preparations and contact the agronomists in their respective localities for more information on agricultural activities, as we are approaching to start agricultural season B especially in Western and Southern Provinces where onset was predicted in this dekad. The farmers are also advised to contact veterinarians for assistance in monitoring diseases that may affect their animals due to dry weather conditions which is expected.

For more meteorological information, you can visit **Meteo Rwanda's website:**

www.meteorwanda.gov.rw or call the tollfree number 6080.