Agrometeorological Bulletin Nº 5/2025, Dekad 2-February (11th -20th) 2025

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Summary

The analysis showed that during the second dekad (from 11th - 20th) of February 2025 , many parts of country experienced rainfall deficit compared to the Long Term Mean (LTM) of this dekad, while small parts of Northern and Western Provinces as well as Nyagatare, Ngoma and Muhanga Districts experienced rainfall surplus. Rainy days ranging between one and eight days were observed across the country. The observed mean temperature was slightly above the range of the Long Term Mean in many parts of the country.

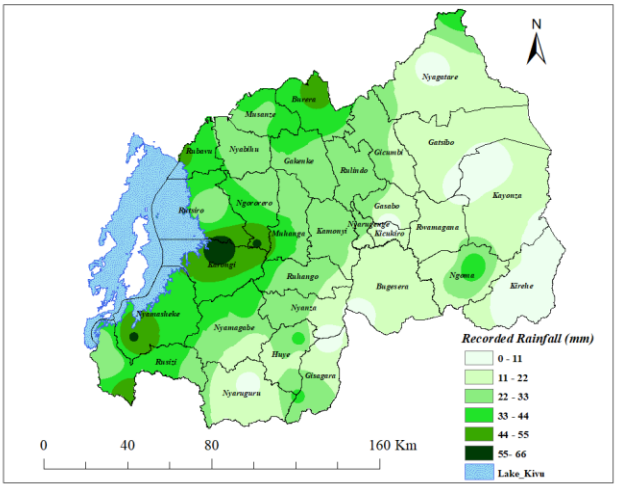
1.0 Rainfall Pattern

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 2nd dekad of February 2025 is represented in Map 1. It was noted that during this dekad; some parts of Western Province and Burera District received much rainfall compared to the remaining parts of the country. The highest rainfall amount of 66.2 mm was recorded over Rubengera station located in Karongi District in 6 rainy days, followed by Ntendezi station located in Nyamasheke District, which observed 56.7 mm in 7 rainy days and Nyange station located in Ngororero District, which observed 56.1 mm in 5 rainy days.

However Nyamiyaga (Paroisse) station located in Nyanza District recorded less rainfall amount of 0.2 mm during this second dekad of February 2025.



Map 1: Rainfall amount during 2nd dekad of February 2025

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

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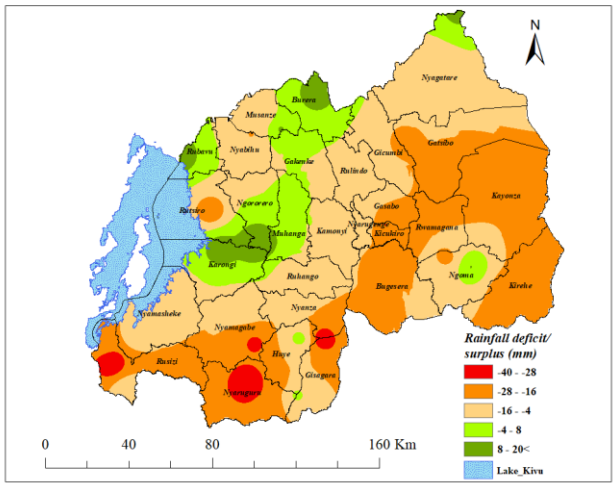
1.2 Rainfall Anomaly (Deficit and Surplus)

The rainfall anomaly over the country is displayed in map 2. Compared to the Long Term Mean (LTM), second dekad of February 2025 was characterized by rainfall deficit over most parts of the country. However small parts of Northern and Western Provinces as well as Nyagatare, Ngoma and Muhanga Districts observed rainfall surplus.



Map 2: Rainfall anomaly during the 2nd dekad of February 2025

The comparison of recorded rainfall amount in the 2nd 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 thirty-five (35) stations out of 44 stations reported rainfall deficit while nine (9) stations recorded rainfall surplus.

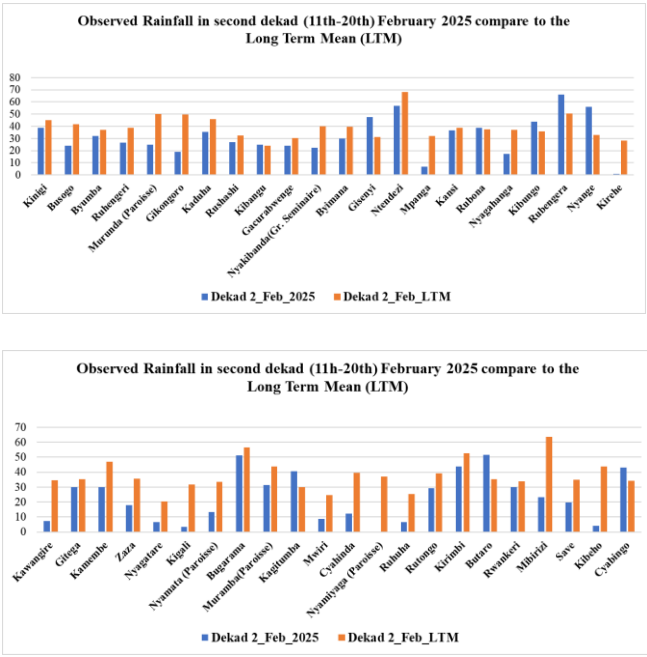


Figure 1 (a&b): Comparison of observed rainfall in the 2nd dekad of February 2025 with long term mean

1.4 Number of Rain Days

2.0 Temperature observation

The average Maximum and Minimum

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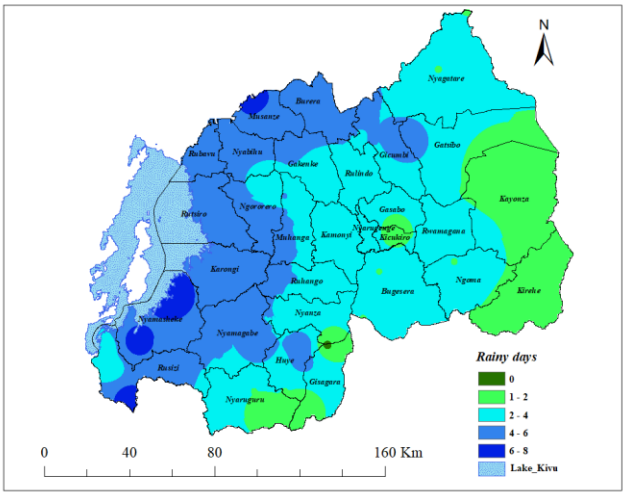
The Map 3 shows the distribution of the number of rainy days across the country. A rainy day is defined as a day with at least 0.85 mm of rainfall. The analysis demonstrated that the rainy days ranged between one and eight days. Many rainy days were observed over Rusizi, Nyamasheke and Musanze Districts while Nyamiyaga (paroisse) station located in Nyanza District recorded no Rainy day during this second dekad of February 2025.



Map 3: Rainy days during 2nd dekad of February 2025

1.5 Soil moisture condition

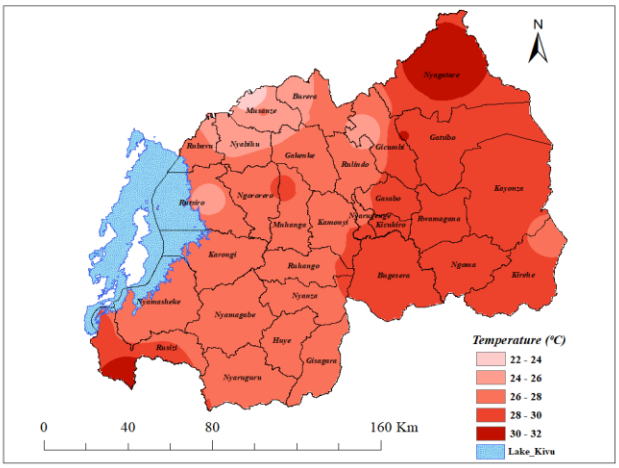
Soil moisture content was decreased in many parts of the country during the Second dekad of February 2025 and it is expected to continue decreasing in the third dekad of February 2025 due to the expected rainfall which is below compared to the rainfall in previous dekad.

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 2nd dekad of February 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 22.0°C was recorded over Kinigi station (Musanze District) while the highest maximum temperature of 31.2°C was recorded over Nyagatare station (Nyagatare District).

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



Map 4: Mean Maximum Temperature for the 2nd dekad of February 2025

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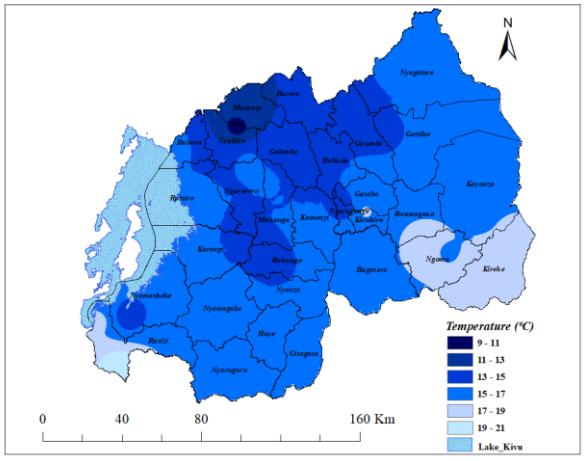
2.2 Minimum Temperature

The average minimum temperature across the country is shown in Map 5. The minimum temperature was slightly above the range of the Long term mean over most parts of the country during the 2nd dekad of February 2025 . The lowest minimum temperature of 9.9°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 station.

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



Map 5: The mean Minimum Temperature for the 2nd dekad of February 2025

3.0 Weather Outlook and Agricultural advisories for the Third dekad of February (21st to 28th), 2025.

3.1. Weather Outlook for the 21st to 28th February 2025.

Please click here for more information on weather forecast for the third dekad of February 2025.

3.2 Agricultural Activity/Advisories

Due to the expected below long term mean rainfall and rising temperatures during the third dekad of February 2025, farmers are encouraged to consult agronomists in their respective areas for guidance as we approach the start of Agricultural Season B. They are also advised to seek assistance from veterinarians to monitor and manage potential livestock diseases that may result from the expected temperature increase.

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

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