



Agrometeorological Bulletin N° 7/2025, Dekad 1-March (01st - 10th) 2025

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Summary

The analysis showed that during the first dekad (from 01st to 10th) of March 2025, many parts of country experienced rainfall deficit compared to the Long Term Mean (LTM) of this dekad. However, few parts in the Northern, Western and Southern Provinces as well as Nyagatare District experienced rainfall surplus. The number of rainy days across the country ranged between one to eight. The observed mean temperature was slightly above the range of the Long Term Mean in many parts of the country.

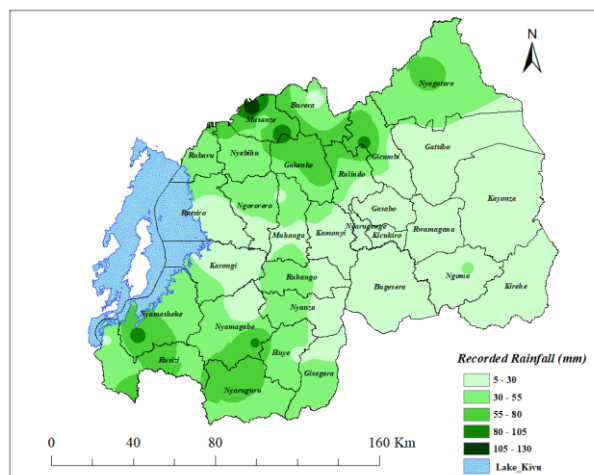
1.0 Rainfall Pattern

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

1.1. Rainfall Amount

The cumulative rainfall of the 1st dekad of March 2025 is represented in Map 1. It was noted that during this dekad; some parts of southwest, Northern Province and Nyagatare District received much rainfall compared to the remaining parts of the country. The highest rainfall amount of 128.8 mm was recorded over Kinigi station located in Musanze District in 6 rainy days, followed by Cyabingo station located in Gakenke District, which observed 94.2 mm in 6 rainy days and Ntendezi station located in Nyamasheke District observed 87 mm in 7 rainy days.

However Mwiri station located in Kayanza District recorded less rainfall amount of 5.3 mm during this first dekad of March 2025.

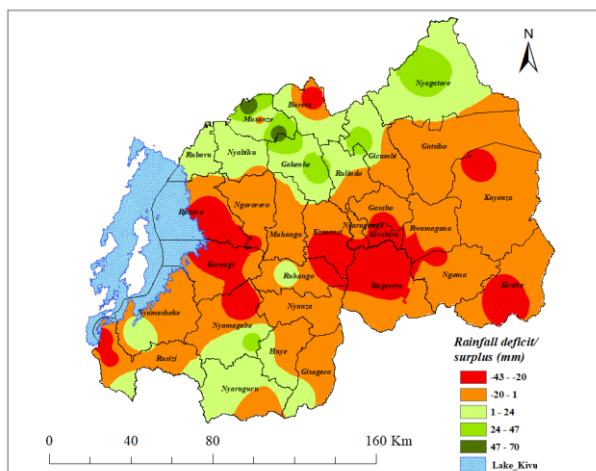


Map 1: Rainfall amount during 1st dekad of March 2025



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), the first dekad of March 2025 was characterized by rainfall deficit over many parts of the country. However few parts of Northern, Western and Southern Provinces as well as Nyagatare District observed rainfall surplus.



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

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

The comparison of recorded rainfall amount in the 1st 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 - eight (28) stations reported rainfall deficit while sixteen (16) station recorded rainfall surplus during this first dekad.

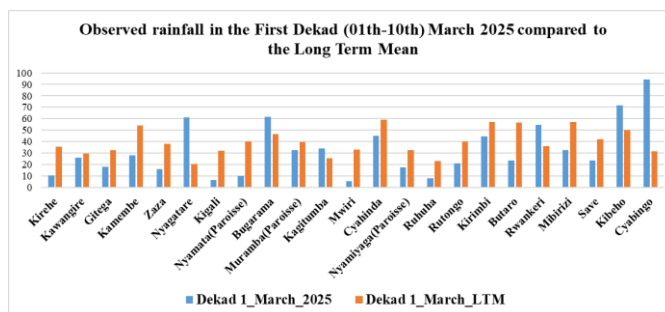
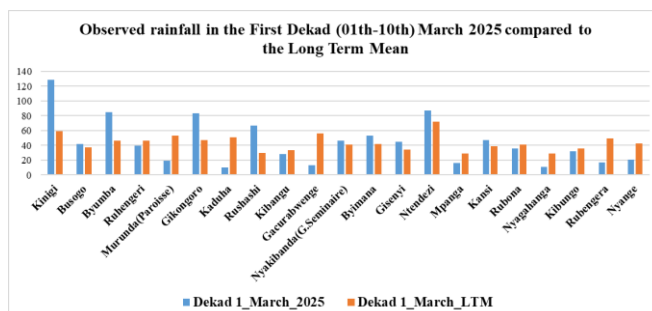
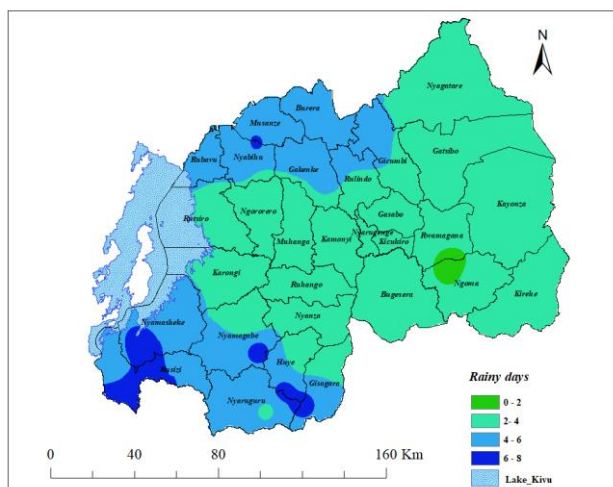


Figure 1 (a&b): Comparison of observed rainfall in the 1st dekad of March 2025 with long term mean



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 eight days. Many rainy days were observed over some part of Southern Province, Nyamasheke, Rusizi and Musanze District while Zaza station located in Ngoma District recorded one rainy day during this first dekad of March 2025.



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

1.5 Soil moisture condition

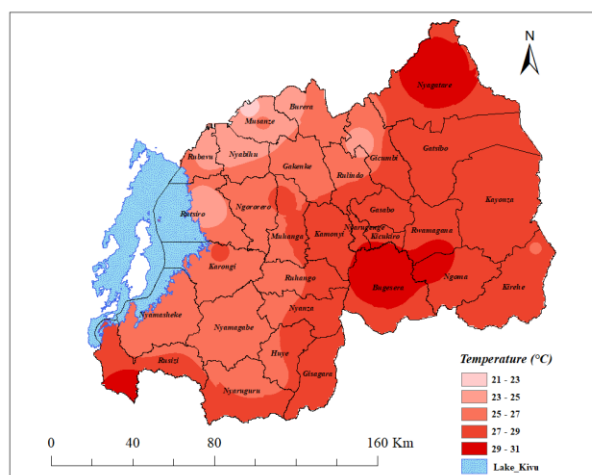
Soil moisture content was increased in many parts of the country during the first dekad of March 2025 and it is expected to continue increasing in the second dekad of March 2025 due to the

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 March 2025. The maximum temperature was slight above the range of Long-Term Mean (LTM) over many parts of the country. The lowest maximum temperature of 21.7°C was recorded over Kinigi station (Musanze District) while the highest maximum temperature of 31.1°C was recorded over Nyamata (paroisse) station in Bugesera District. Nyagatare, Bugesera, Ngoma, Rwamagana and Rusizi Districts (particularly in Bugarama plain) were warmer compared to the remaining parts of country.



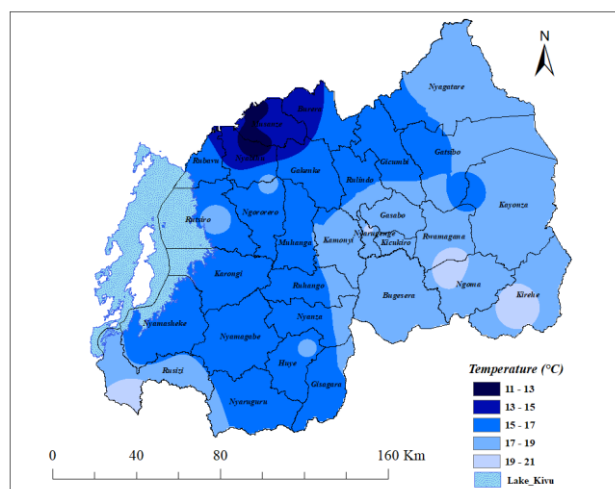


expected rainfall which will be above compared to the rainfall in previous dekad.

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 1st dekad of March 2025 . The lowest minimum temperature of 11.1°C was recorded at Busogo station in Musanze District while the highest minimum temperature of 20.5 °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 1st dekad of March 2025

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

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

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

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

3.2 Agricultural Activity/Advisories

During the second dekad of March 2025, rainfall expected across the country will be above the range of long term mean (LTM); farmers are encouraged to consult agronomists in their respective areas for guidance on the preparation for the Agricultural Season B especially land preparations and seed sowing. They are also advised to harvest rainwater and take precautions to mitigate the potential impacts from strong winds and heavy rainfall. Additionally, farmers are encouraged to contact veterinarians for assistance in monitoring animal diseases that are linked to seasonal shifts.

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

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