



Agrometeorological Bulletin N° 12/2025, Dekad 3 of April (21st – 30th) 2025

Issued on 3rd May 2025

Summary

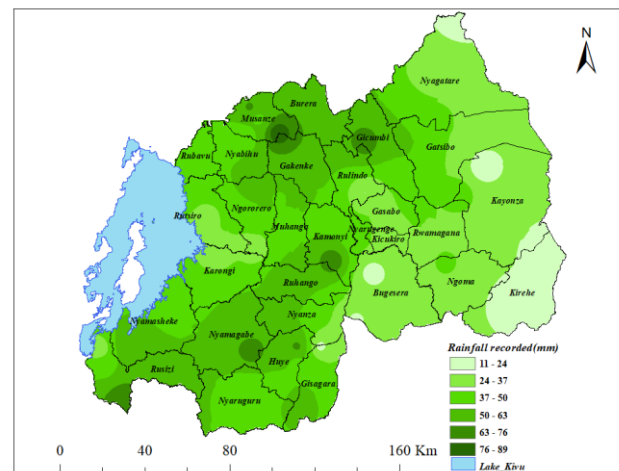
The analysis showed that during the third dekad (from 21st to 30th) of April 2025, many parts of country experienced rainfall deficit compared to the Long Term Mean (LTM) of this dekad. However small parts of Southern and Northern Provinces, and Rusizi District experienced rainfall surplus. The number of rainy days across the country ranged between one and eight days. 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 April 2025 is represented in Map 1. It was noted that during this dekad; small parts of Northern and Southern Provinces, and Rusizi District received much rainfall compared to the remaining parts of the country. The highest rainfall amount of 89.3 mm was recorded over Cyabingo station located in Gakenke District in six rainy days, followed by Bugarama station located in Rusizi District, which observed 74.9 mm in six rainy days and Gacurabwenge station located in Kamonyi District that observed 72.6 mm in six rainy days. While Kagitumba station located in Nyagatare District recorded less rainfall amount of 11.9 mm during this third dekad of April 2025.

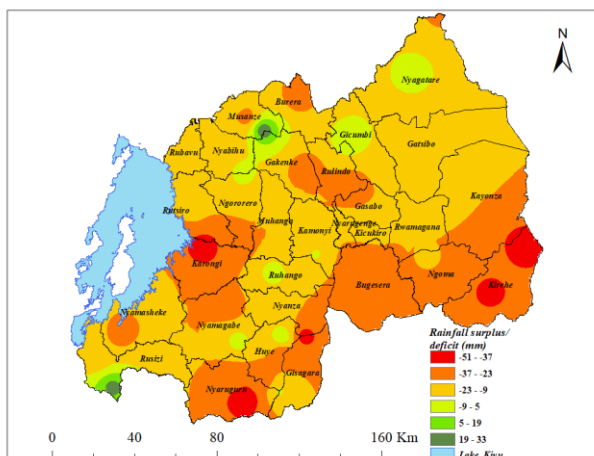


Map 1: Rainfall amount during 3rd dekad of April 2025



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 third dekad of April 2025 was characterized by rainfall deficit over many parts of the country. However few parts of Northern and Southern Province, and Rusizi District experienced rainfall surplus.



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

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 in Southwest and Northwest parts of the country while few rainy days were observed over Nyagatare and Kirehe Districts during this third dekad of April 2025.

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

The comparison of recorded rainfall amount in the 3rd dekad of April 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 demonstrated by the analysis, which indicates that forty (40) stations out of 44 stations reported rainfall deficit while four (4) stations recorded rainfall surplus during this third dekad of April 2025.

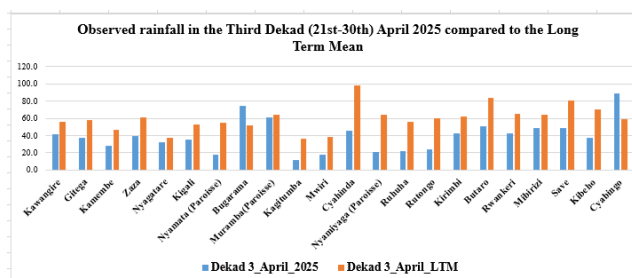
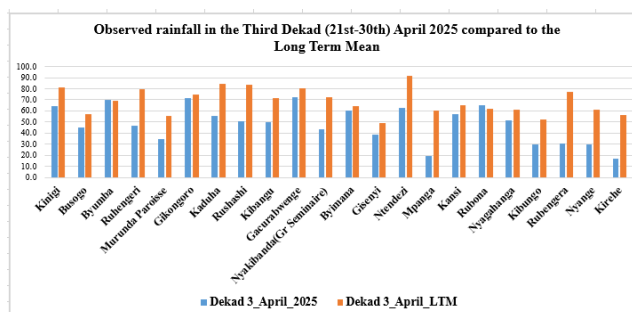
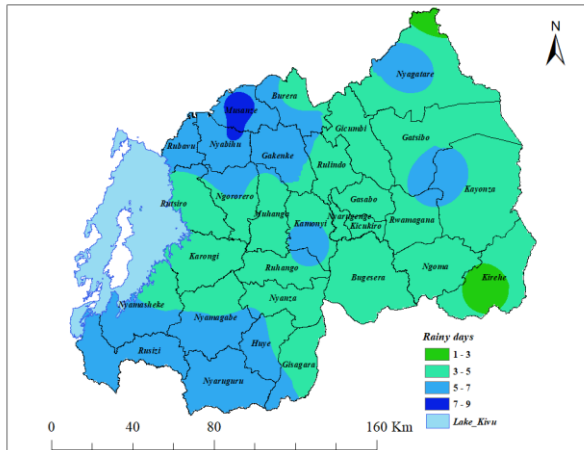


Figure 1 (a&b): Comparison of observed rainfall in the 3rd dekad of April 2025 with long term mean



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

1.5 Soil moisture condition

Soil moisture content was decreasing in many parts of the country during the third dekad of April 2025, and it is expected to increase during the first dekad of May 2025, due to the expected rainfall which will be in the range of Long Term mean.

2.2 Minimum Temperature

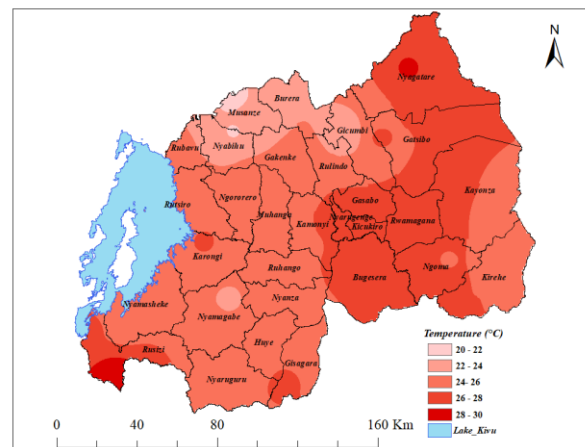
The average minimum temperature across the country is shown in Map 5. The minimum temperature was above the range of the Long term mean over most parts of the country during the 3rd dekad of April 2025. The lowest minimum temperature of 12.0°C was recorded at Busogo station in Musanze District while 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.

2.0 Temperature observation

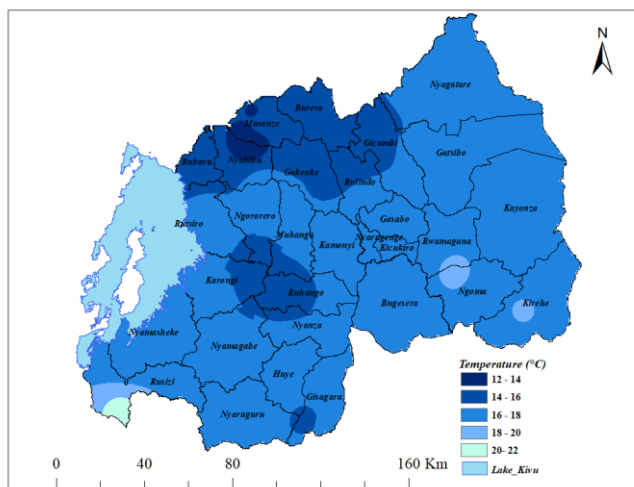
The average Maximum and Minimum temperature across the country is highlighted in the section below.

2.1 Mean Maximum Temperature

Map 4: represents the mean maximum temperature distribution across the country during the 3rd dekad of April 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 at Kinigi station (Musanze District) while the highest maximum temperature of 30.3°C was recorded over Bugarama station in Rusizi District. Nyagatare and Rusizi (particular in Bugarama plain) Districts were warmer compared to the remaining parts of country.



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



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

3.0 Weather Outlook and Agricultural advisories for the first dekad of May (01st to 10th), 2025.

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

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

3.2 Agricultural Activity/Advisories

Due to the expected rainfall, which is in the range of the long-term average for the first dekad of May, and already saturated soil in many areas of the country, farmers are advised to:

- Continue their farming activities for the Season B;
- Control soil erosion by digging trenches and ensuring good drainage;
- Harvest rainwater for future use.

For livestock, farmers 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 number 6080.