



Agrometeorological Bulletin N° 11/2025, Dekad 2-April (11th – 20th) 2025

Issued on 23rd April 2025

Summary

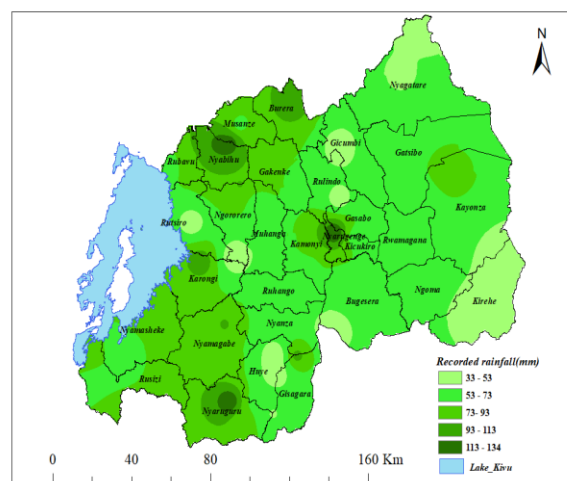
The analysis showed that during the second dekad (from 11th to 20th) of April 2025, many parts of country experienced rainfall surplus compared to the Long Term Mean (LTM) of this dekad. However, small parts of Northern, Western and Southern Provinces as well as Kirehe and Kayanza Districts experienced rainfall deficit. The number of rainy days across the country ranged between two and ten 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 2nd dekad of April 2025 is represented in Map 1. It was noted that during this dekad; small parts of Western and Southern Provinces, Nyarugenge, Musanze and Burera Districts received much rainfall compared to the remaining parts of the country. The highest rainfall amount of 133.7 mm was recorded over Kibeho station located in Nyaruguru District in nine rainy days, followed by Gitega station located in Nyarugenge District, which observed 133.3 mm in five rainy days and Busogo station located in Musanze District observed 127.3 mm in nine rainy days. While Nyange station located in Ngororero District recorded less rainfall amount of 33.6 mm during this second dekad of April 2025.

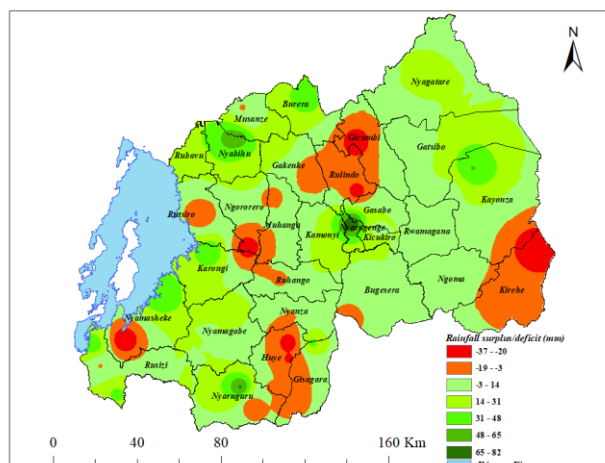


Map 1: Rainfall amount during 2nd dekad of April 2025



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 second dekad of April 2025 was characterized by rainfall surplus over many parts of the country. However small parts of Northern, Western and Southern Provinces as well as Kirehe and Kayonza Districts experienced rainfall deficit.



Map 2: Rainfall anomaly during the 2nd 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 two and ten days. Many rainy days were observed in Southwest and Northwest parts of the country while few rainy days were observed over Nyagatare and Kayonza Districts during this

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

The comparison of recorded rainfall amount in the 2nd 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 high rainfall amount compared to the LTM. This is demonstrated by the analysis, which indicates that twenty - five (25) stations out of 44 stations reported rainfall surplus while nineteen (19) stations recorded rainfall deficit during this second dekad of April 2025.

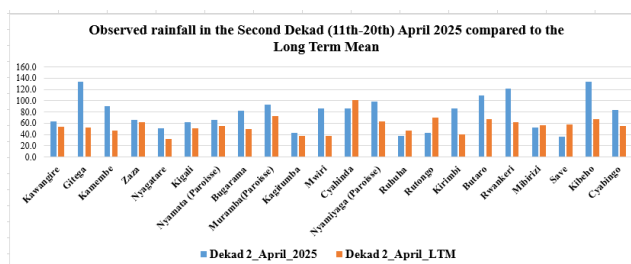
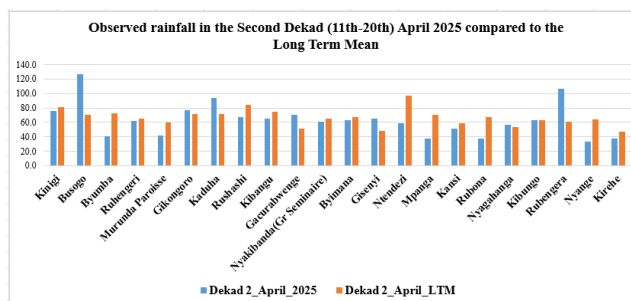
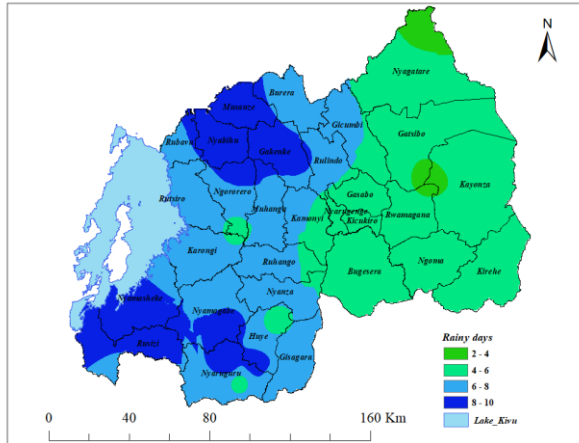


Figure 1 (a&b): Comparison of observed rainfall in the 2nd dekad of April 2025 with long term mean



second dekad of April 2025.



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

1.5 Soil moisture condition

Soil moisture content was increased in many parts of the country during the second dekad of April 2025, and it is expected to continue increasing during the second dekad of April 2025, due to the expected rainfall which will be in the range of Long Term mean.

2.2 Minimum Temperature

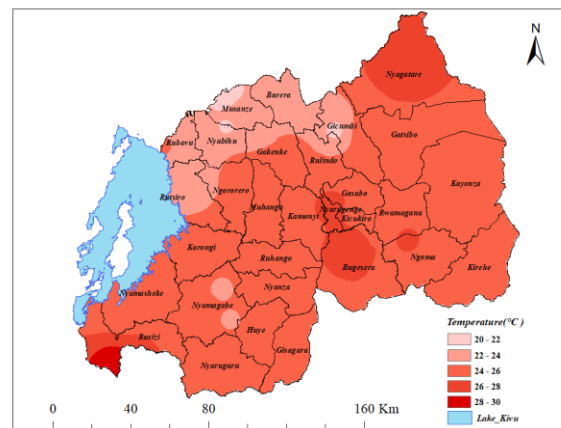
The average minimum temperature across the country is shown in Map 5. The minimum temperature was above the range of the Long term mean over most parts of the country during the 2nd dekad of April 2025. The lowest minimum temperature of 12.4°C was recorded at Busogo station in Musanze District while the highest minimum temperature of 20.8°C recorded over Bugarama weather station in Rusizi District.

2.0 Temperature observation

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

2.1 Mean Maximum Temperature

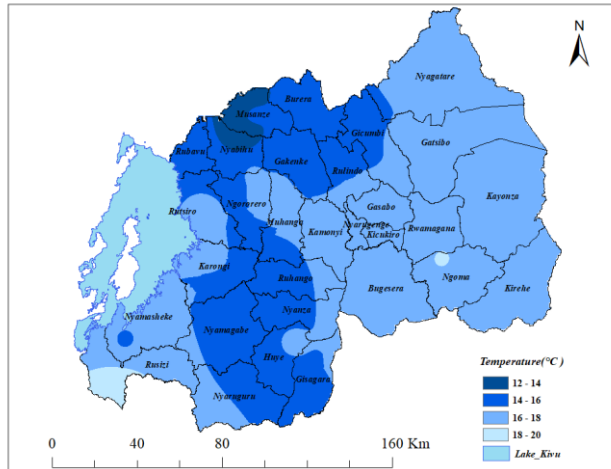
Map 4: represents the mean maximum temperature distribution across the country during the 2nd dekad of April 2025. The maximum temperature was slightly above the range of Long-Term Mean (LTM) over many parts of the country. The lowest maximum temperature of 20.2°C was recorded over Kinigi station (Musanze District) while the highest maximum temperature of 29.9°C was recorded over Bugarama station in Rusizi District. Rusizi District (particularly in Bugarama plain) was warmer compared to the remaining parts of country.



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



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 2nd dekad of April 2025

3.0 Weather Outlook and Agricultural advisories for the third dekad of April (21st to 30th), 2025.

3.1. Weather Outlook for the 21st to 30th April 2025.

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

3.2 Agricultural Activity/Advisories

Due to the expected rainfall, which is in the range of the long-term average for the third dekad of April, 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.

Farmers are encouraged to work closely with veterinarians for advice on protecting livestock from thunderstorms and preventing diseases related to wet conditions.

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