



## Agrometeorological Bulletin N° 13/2025, Dekad 1 of May (01<sup>st</sup> – 10<sup>th</sup>) 2025

Issued on 14<sup>th</sup> May 2025

### Summary

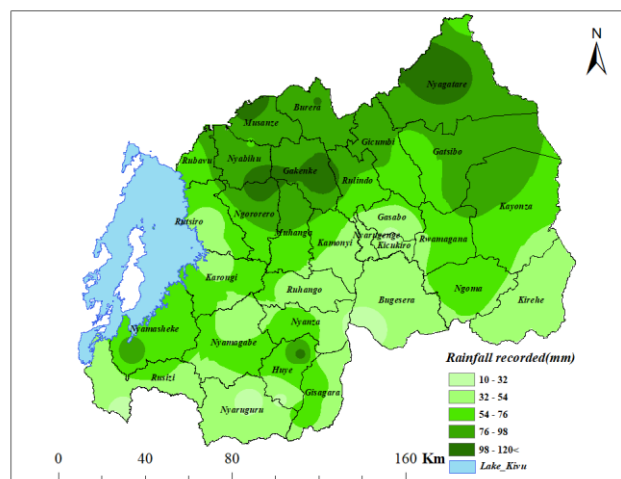
The analysis showed that during the first dekad (from 1<sup>st</sup> to 10<sup>th</sup>) of May 2025, many parts of country experienced rainfall surplus compared to the Long Term Mean (LTM) of this dekad. However many parts of Kigali City, Southern and Western Provinces as well as Bugesera District experienced rainfall deficit. The number of rainy days across the country ranged between two and nine . 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 of the observed rainfall against the Long-Term Mean (LTM).

#### 1.1. Rainfall Amount

The cumulative rainfall of the 1<sup>st</sup> dekad of May 2025 is represented in Map 1. It was noted that during this dekad; some parts of Northern, Eastern and Western Provinces, and Huye District received much rainfall compared to the remaining parts of the country. The highest rainfall amount of 122.2 mm was recorded over Muramba(paroissee) station located in Ngororero District in seven rainy days, followed by Kinigi station located in Musanze District, which observed 121.2 mm in eight rainy days and Nyagatare station located in Nyagatare District that observed 120.4 mm in five rainy days. While Ruhuha station located in Bugesera District recorded less rainfall amount of 10.2 mm during this first dekad of May 2025.

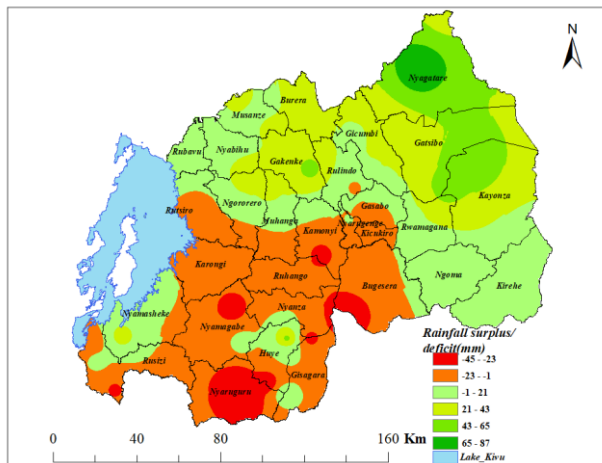


**Map 1: Rainfall amount during 1<sup>st</sup> dekad of May 2025**



## 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 May 2025 was characterized by rainfall surplus over many parts of the country. However many parts of Kigali City, Southern and Western Provinces as well as Bugesera District experienced rainfall deficit.



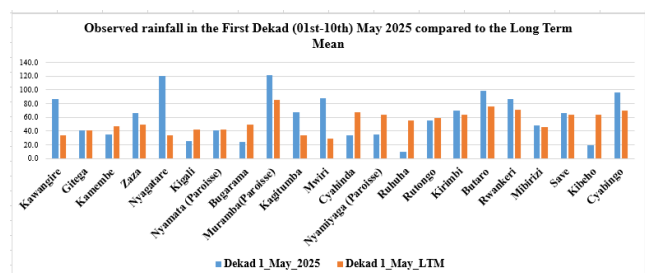
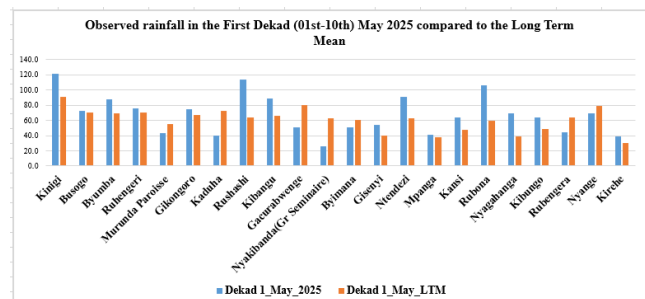
**Map 2: Rainfall anomaly during the 1<sup>st</sup> dekad of May 2025**

## 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 nine days. Many rainy days were observed in small parts of Northern and Western Provinces while few rainy days were observed over Bugesera District during this first

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

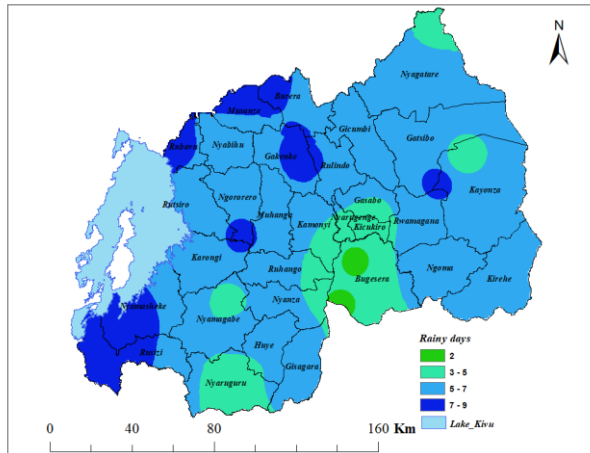
The comparison of recorded rainfall amount in the 1<sup>st</sup> dekad of May 2025 and the Long-term mean (LTM) across the country is shown in both Figure 1 (a) and (b) where most parts of country observed much rainfall amount compared to the LTM. This is demonstrated by the analysis, which indicates that twenty-seven (27) stations reported rainfall surplus while seventeen (17) stations recorded rainfall deficit during this first dekad of May 2025.



**Figure 1 (a&b): Comparison of observed rainfall in the 1<sup>st</sup> dekad of May 2025 with long term mean**



dekad of May 2025.



**Map 3: Rainy days during 1<sup>st</sup> dekad of May 2025**

### 1.5 Soil moisture condition

Soil moisture content has increased in many parts of the country during the first dekad of May 2025, and it is expected to remain good during the second dekad of May 2025, due to the expected rainfall which will be slightly above 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 1<sup>st</sup> dekad of May 2025. The lowest minimum temperature of 11.0°C was recorded at Busogo station in Musanze District while the highest minimum temperature of 20.3°C recorded over Bugarama weather station in Rusizi District. Musanze and Nyabihu Districts were highlighted

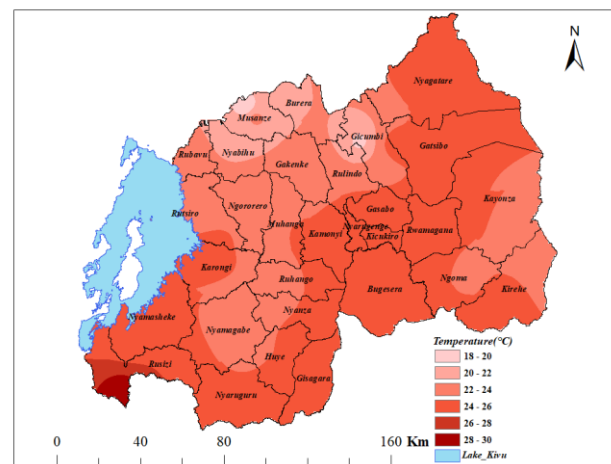
### 2.0 Temperature observation

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 1<sup>st</sup> dekad of May 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 18.7°C was recorded at Kinigi station (Musanze District) while the highest maximum temperature of 29.8°C was recorded over Bugarama station in Rusizi District.

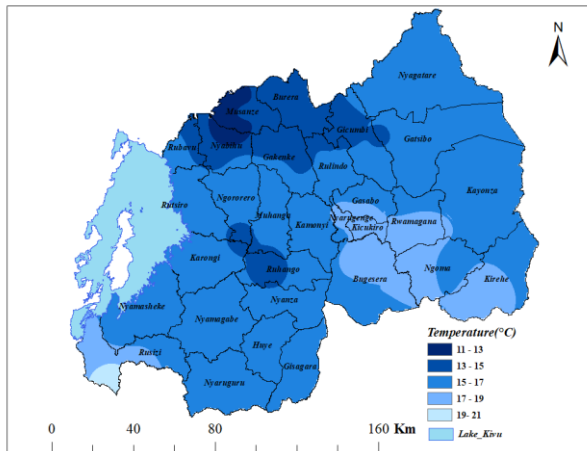
Rusizi (particularly in Bugarama plain) District was warmer compared to the remaining parts of country.



**Map 4: Mean Maximum Temperature for the 1<sup>st</sup> dekad of May 2025**



as the coldest regions than the remaining parts of the country during this dekad.



**Map 5: The mean Minimum Temperature for the 1<sup>st</sup> dekad of May 2025**

### 3.0 Weather Outlook and Agricultural advisories for the second dekad of May (11<sup>th</sup> to 20<sup>th</sup>), 2025.

#### 3.1. Weather Outlook for the 11<sup>th</sup> to 20<sup>th</sup> May 2025.

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

#### 3.2 Agricultural Activity/Advisories

Due to the expected rainfall, which will be slightly above the range of the long-term average for the second 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](http://www.meteorwanda.gov.rw) or call the tollfree number 6080.