



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

Issued on 23rd January 2025

Summary

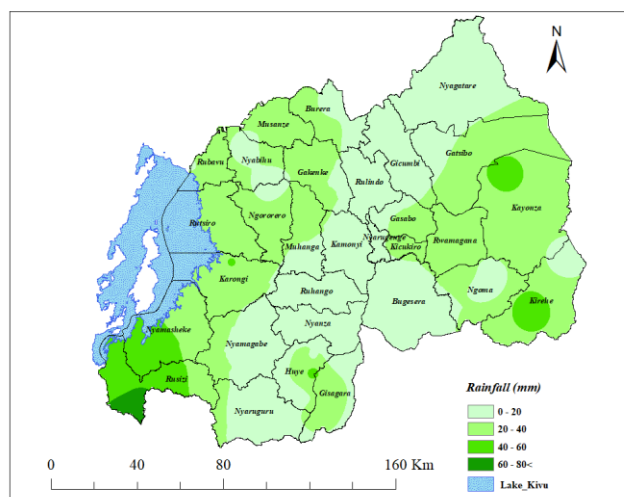
The analysis showed that during the second dekad (from 11th -20th) of January 2025 , many parts of country experienced rainfall deficit compared to the Long Term Mean (LTM) of this dekad, while some parts of Kigali City, Eastern and Western Provinces as well as Burera, Gakenke, Musanze and Huye Districts experienced rainfall surplus. Rainy days ranged between one and eight days 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 January 2025 is represented in Map 1. It was noted that during this dekad; Rusizi , Nyamasheke Kirehe and Kayanza Districts received much rainfall compared to the remaining parts of the country. The highest rainfall amount of 82.3 mm was recorded over Bugarama station located in Rusizi District in 6 rainy days and followed by Kamembe Aero station located also in Rusizi District, which observed 58.6 mm in 4 rainy days. However Cyahinda station located in Nyaruguru District recorded less rainfall amount of 0.1mm during this second dekad of January 2025.

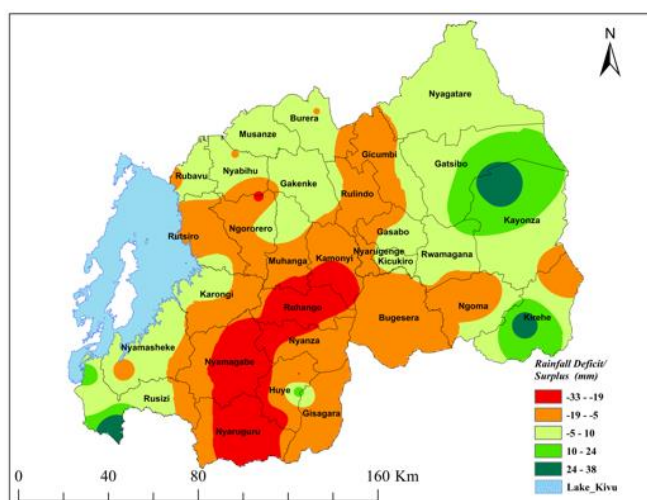


Map 1: Rainfall amount during 2 nd dekad of January 2025



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), second dekad of January 2025 was characterized by rainfall deficit over many parts of the country. However some parts of Kigali City, Eastern and Western Provinces as well as Burera, Gakenke, Musanze and Huye Districts observed rainfall surplus.



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

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

The comparison of recorded rainfall amount in the 2nd dekad of January 2025 and the Long-term mean (LTM) across the country is shown in both Figure 1 (a) and (b); most parts of country observed low rainfall amount compared to the LTM. This is demonstrated by the analysis, which revealed that thirty (30) stations reported rainfall deficit while fourteen (14) stations recorded rainfall surplus.

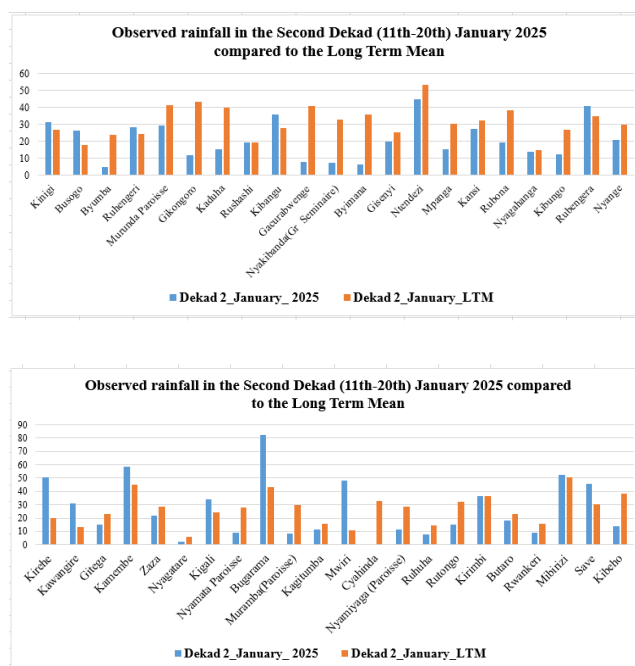
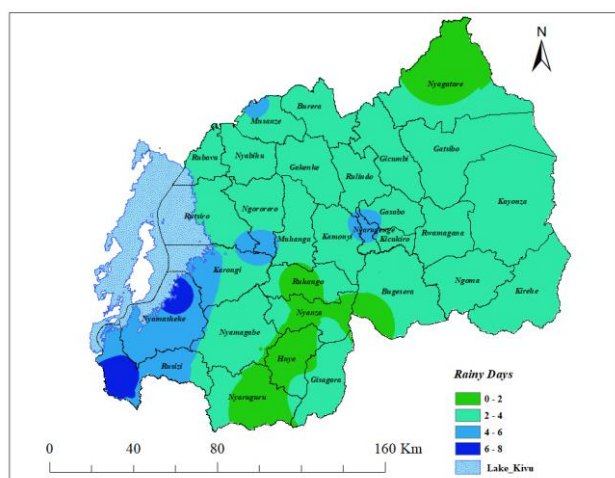


Figure 1 (a&b): Comparison of observed rainfall in the 2nd dekad of January 2025 with long term mean



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 Rusizi and Nyamasheke Districts while Cyahinda weather station recorded no rain day during this second dekad of January 2025.



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

1.5 Soil moisture condition

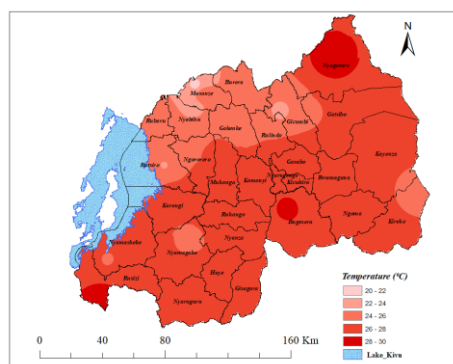
Soil moisture content was decreased in many parts of the country during the second dekad of January 2025 and it is expected to increase in the 3rd dekad of January 2025 due to the expected rainfall which will be higher compared to the previous dekad of January.

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 January 2025. The maximum temperature was in the range of Long-Term Mean (LTM) over many parts of the country. The lowest maximum temperature of 21.3°C was recorded over Kinigi station (Musanze District) while the highest maximum temperature of 30.1°C was recorded over Bugarama station (Rusizi District). Nyagatare, Bugesera and Rusizi (particularly in Bugarama plain) Districts were warmer compared to the remaining parts.



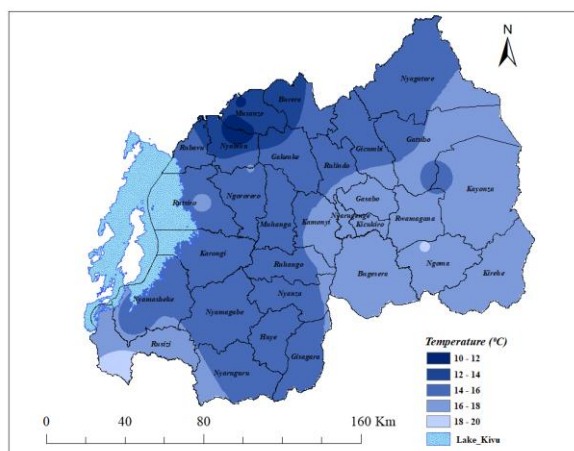
Map 4: Mean Maximum Temperature for the 2nd dekad of January 2025



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 January 2025 . The lowest minimum temperature of 9.7°C was recorded at Busogo station in Musanze District while the highest minimum temperature of 20.3°C was recorded over Bugarama weather station in Rusizi station.

Musanze and Nyabihu Districts were highlighted as the coldest regions than the remaining parts.



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

3.0 Weather Outlook and Agricultural advisories for the third dekad of January (21st to 31st), 2025.

3.1. Weather Outlook for the 21st to 31st January 2025.

Please click [here](#) for more information on weather forecast for the 3rd dekad of January 2025.

3.2 Agricultural Activity/Advisories

Based on predicted rainfall during the 3rd dekad of January 2025; which will be slightly above the range of the LTM; farmers are recommended to use this information of weather forecast of 3rd dekad of January 2025 and they are encouraged to contact the agronomists in their respective localities for more information on agricultural activities which are protecting haverst and preparations of agricultural season B. The farmers are also advise to contact veterinarians for assistance in monitoring diseases that may affect their animals due to weather changes from dry to wet conditions.

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

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