Agrometeorological Bulletin Nº 3/2025, Dekad 3-January (21st -31st) 2025

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Summary

The analysis showed that during the third dekad (from 21st -31st) of January 2025 , many parts of country experienced rainfall surplus compared to the Long Term Mean (LTM) of this dekad, while small parts of Western Province, Musanze and Nyagatare Districts experienced rainfall deficit. Rainy days were ranged between two and ten days across the country. The observed mean temperature was slightly above the range of the Long Term Mean in many parts of the country.

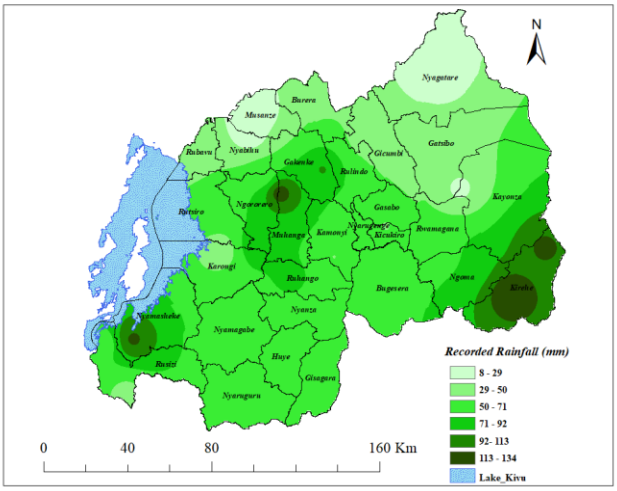
1.0 Rainfall Pattern

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 3rd dekad of January 2025 is represented in Map 1. It was noted that during this dekad; southern parts of Eastern Province-, Muhanga, Ngororero and Nyamasheke Districts received much rainfall compared to the remaining parts of the country. The highest rainfall amount of 130.7 mm was recorded over Kirehe station located in Kirehe District in 4 rainy days, followed by Kibangu station located in Muhanga District, which observed 121.4 mm in 8 rainy days and Ntendezi station located in Nyamasheke District, which observed 113.6 mm in 10 rainy days.

However Nyagatare station recorded less rainfall amount of 7.5 mm during this third dekad of January 2025.



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

1.3. Comparison of observed rainfall with

Address: Nyarugenge KN2, 96st
P.O Box 898 KIGALI
E-mail: info@meteorwanda.gov.rw
Website: www.meteorwanda.gov.rw
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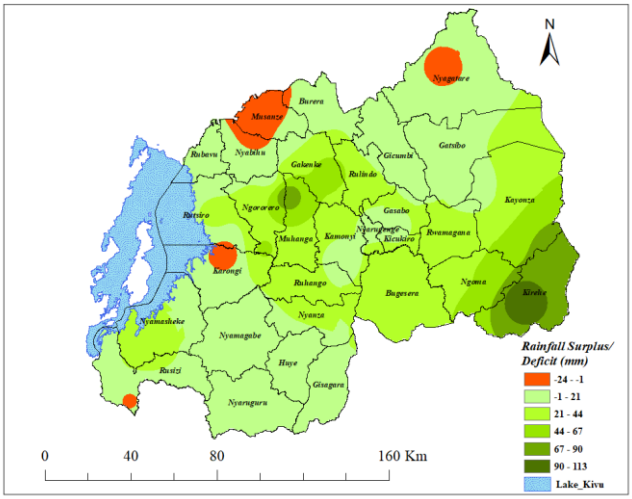
1.2 Rainfall Anomaly (Deficit and Surplus)

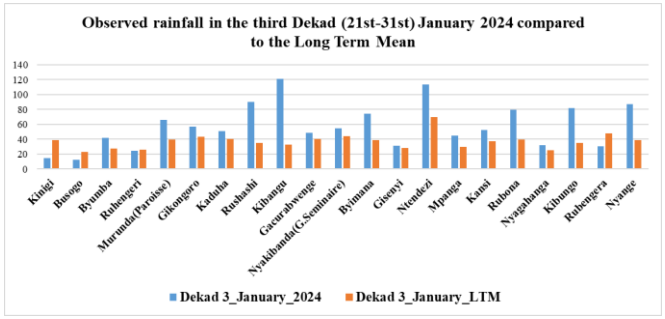
The rainfall anomaly over the country is displayed in map 2. Compared to the Long Term Mean (LTM), third dekad of January 2025 was characterized by rainfall surplus over many parts of the country. However small parts of Western Province, Musanze and Nyagatare Districts observed rainfall deficit.



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

LTM for the third dekad of January 2025

The comparison of recorded rainfall amount in the 3rd dekad of January 2025 and the Long-term mean (LTM) across the country is shown in both Figure 1 (a) and (b) wheremost parts of country observed high rainfall amount compared to the LTM. This is demonstrated by the analysis, which revealed that thirty- four (34) stations out of 43 stations reported rainfall surplus while nine (9) stations recorded rainfall deficit.



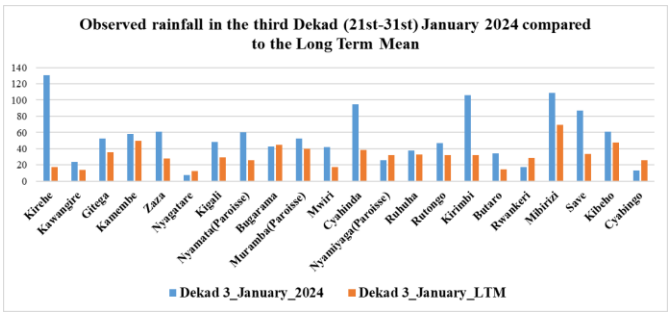


Figure 1 (a&b): Comparison of observed rainfall in the 3rd dekad of January 2025 with long term mean

2.0 Temperature observation

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

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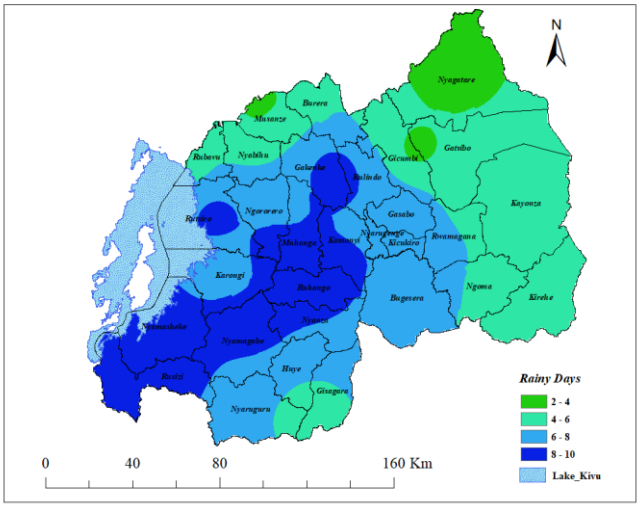
1.4 Number of Rain Days

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 over some parts of Western and Southern Provinces as well as Gakenke and Rulindo Districts while Nyagatare, Gatsibo and Musanze Districts observed few rainy days during this third Dekad of January 2025.



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

1.5 Soil moisture condition

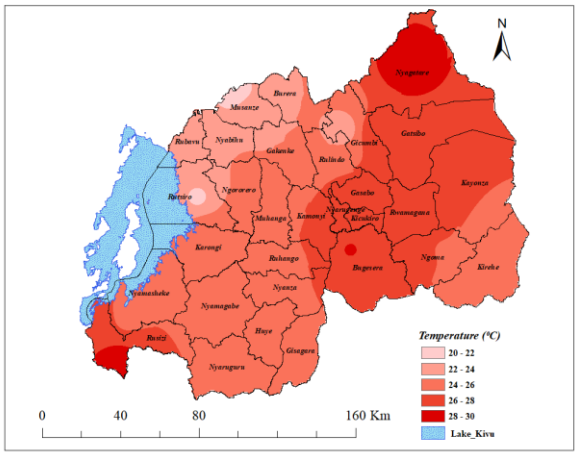
Soil moisture content was increased in many parts of the country during the third dekad of January 2025 and it will be good in the first dekad of January 2025 due to the expected rainfall which will be in the range of long term mean (LTM).

the section below.

2.1 Mean Maximum Temperature

Map 4: represents the mean maximum temperature distribution across the country during the 3rd 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 20.3°C was recorded over Kinigi station (Musanze District) while the highest maximum temperature of 29.2°C was recorded over Nyagatare station (Nyagatare District).

Nyagatare, Bugesera and Rusizi (particulary in Bugarama plain) Districts were warmer compared to the remaining parts.



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

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

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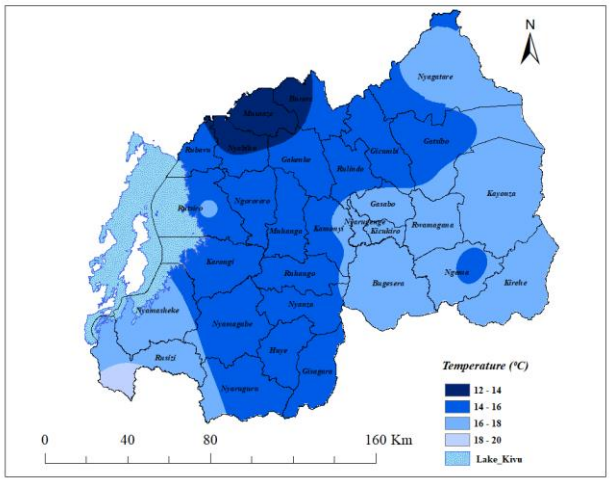
2.2 Minimum Temperature

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 3rd dekad of January 2025 . The lowest minimum temperature of 12.0°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, Burera and Nyabihu Districts were highlighted as the coldest regions than the remaining parts.



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

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

Please click here for more information on weather forecast for the 1st dekad of February2025.

3.2 Agricultural Activity/Advisories

Based on predicted rainfall during the 1st dekad of February 2025; which will be in the range of the LTM; Farmers are reminded to continue monitoring weather conditions as they approach the start of Agriculture Season B and they are encouraged to contact the agronomists in their respective localities for more information on agricultural activities regarding that season. The farmers are also advise to contact veterinarians for assistance in monitoring diseases that may affect their animals due to wet weather conditions weather expected.

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

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