



**REPUBLIC OF RWANDA
MINISTRY OF ENVIRONMENT
RWANDA METEOROLOGY AGENCY**



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Summary

In the third Dekad (21-29) of February 2020, most parts of the country received light to heavy rainfall which was above the Long Term Mean (LTM) in some parts of the country, except Busogo, Musanze, Byimana and Kawangire Stations with below normal rainfall. In this dekad, high rainfall amount was recorded at Kamembe station in Rusizi District (71.1mm) and at Bugarama station (70.6mm). While less rainfall was received at Musanze station (3.3mm). Generally South-western, Southern region, Eastern Province and Kigali City were wet compared to the other regions of the country. The temperature was in normal range. The maximum temperature ranged between 30.9°C in Bugarama and 22.0°C in Gicumbi. Minimum temperature ranged between 19.2°C at Bugarama and 11.2 °C at Busogo station.

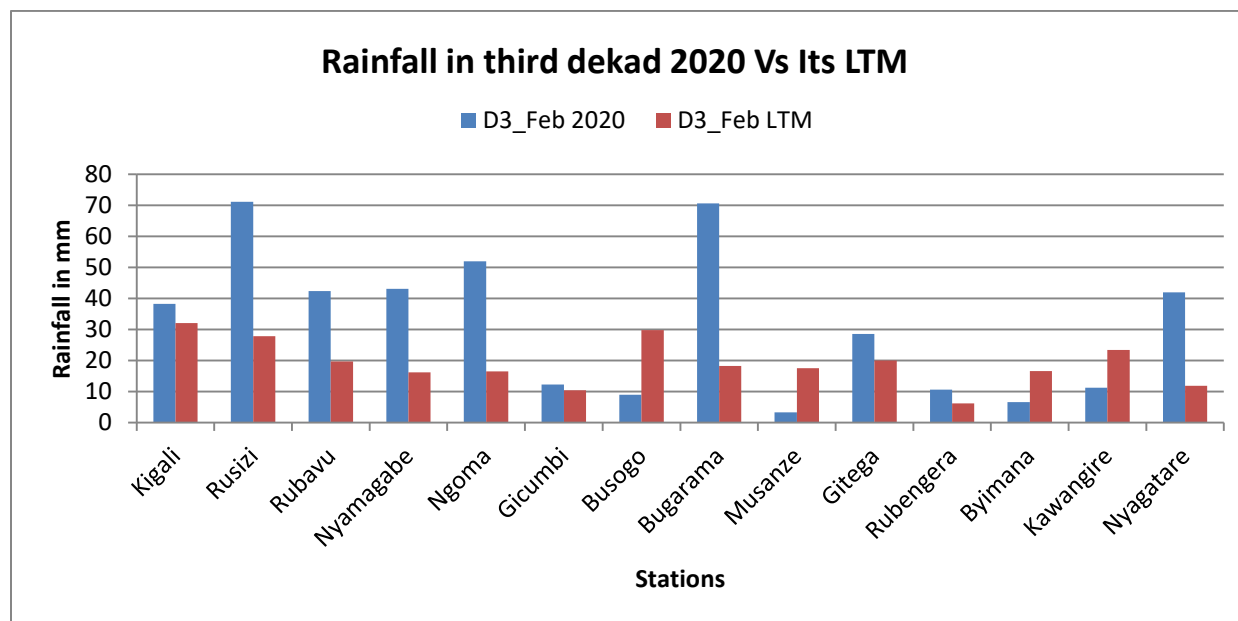


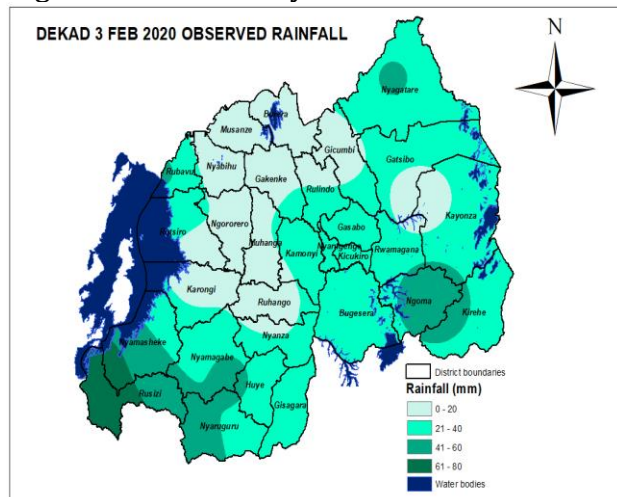
Figure 1: Rainfall performance as Compared to the LTM

1.0 Rainfall Pattern

This section provides the observed rainfall amount, rainy-days and available soil moisture for the third dekad of February 2020.

1.1 Rainfall Amount

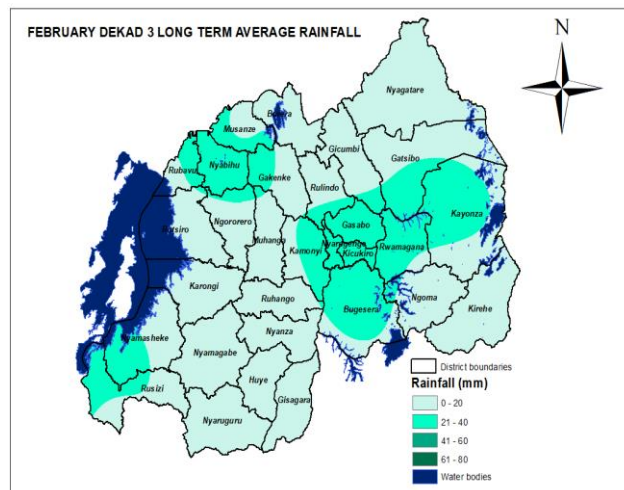
The total rainfall amount for the third dekad of February, 2020 is presented in figure 1. On a daily basis observation, light to heavy rains were recorded in most parts of Rwanda. The accumulation of rainfall in ten days ranged from 71.1mm(Rusizi) which is the highest and the lowest is 3.3mm at Musanze station. The South-west, Southern, Eastern Province and Kigali City were wet compared to other regions of the country.



Map 1: Rainfall amount during 3rd Dekad

1.2 Rainfall climatology in the 3rd dekad

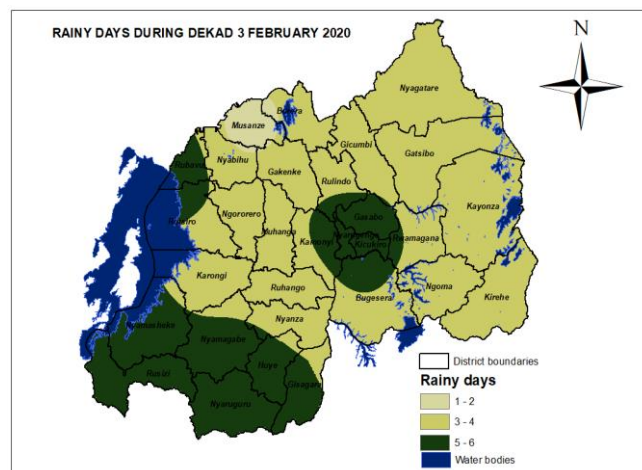
The rainfall climatology for the 3rd dekad of February is shown in Map 1 below, which indicates that rainfall usually range from 32mm to 6.1mm across the country. Comparing the current dekad and the Long Term Mean (LTM) for the same period, it was observed that rainfall in the 3rd dekad of February 2020 was below the LTM in most parts of the country leaving Busogo, Musanze, Byimana and Kawangire Stations with below normal rainfall to the Long Term Mean (LTM).



Map 2: Rainfall amount during 3rd Dekad

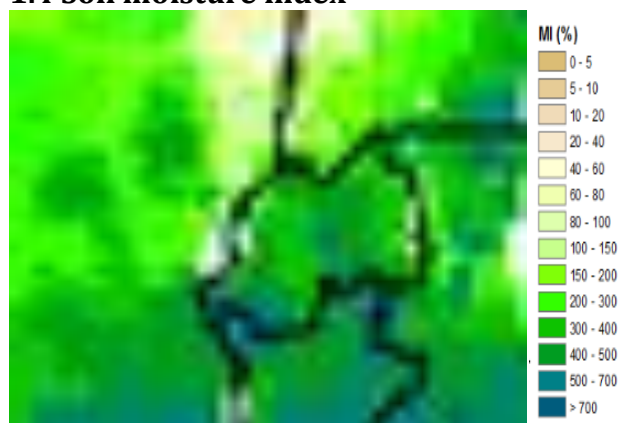
1.3. Number of Rain Days

Map 3 below shows the distribution of number of rain-days for the 3rd dekad of February 2020. A rainy day is defined as a day with rainfall of 0.85mm or more. A total of 1 to 7 days were observed across the country. It can be seen that most parts of the country had days ranged between 3 to 6 days of rainfall. A minimum of one day was observed at Musanze station. The maximum of 7 days were received at Rubavu station.



Map 3: Rainy days

1.4 Soil moisture index



Map 4: Soil Moisture Index

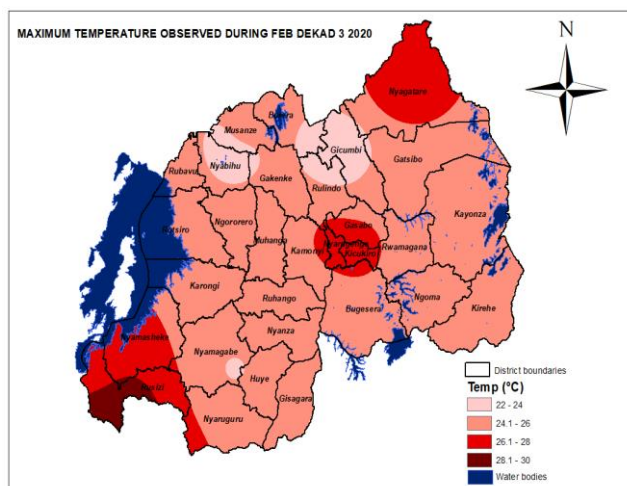
The distribution of available soil moisture across the country is shown in Map 4. Soil moisture increased in most parts of the country especially in South-west, Southern and Eastern region due to wet days experienced during this dekad. The expectation is that wet conditions will persist in next dekad therefore, soil moisture across the country will be increased.

2.0 Temperature observation

The average of maximum and Minimum temperature across the country during the 3rd dekad is highlighted below in this section.

2.1 Maximum Temperature

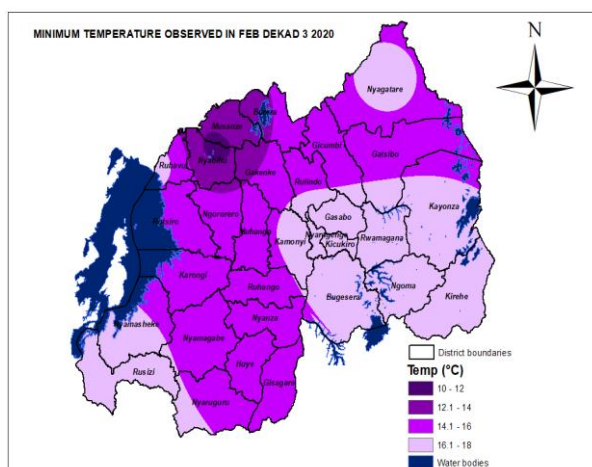
Map 4 below shows the actual mean maximum temperature distribution across the country which indicates that the Southwest, Kigali City and East provinces were warmer compared to Northern province and Southern province. However, in most parts of the country the maximum temperature was normal range and ranged between 22.0 and 27°C with the exception of Nyagatare and Bugarama that recorded 27.4°C and 30.9°C respectively.



Map 5: Mean Maximum Temperature

2.2 Minimum Temperature

The average minimum temperature across the country is shown in Map 6 below. The Northern experienced colder temperature compared to other regions of the country, even though the minimum temperature ranged between 11.2°C (Busogo) and 19.2°C (Bugarama).



Map 6: Mean Minimum Temperature

3.0 Weather Outlook and Agricultural for the 1st dekad (01-10) March 2020.

3.1 Weather Outlook for the 1st dekad of March 2020.

Comparing the 3rd dekad of February 2020 and the 1st dekad of March; there will be an increase of rainfall in the first dekad of March; light to moderate rainfall is expected in most parts of the country.

The expected amount of rainfall is between 70 to 100 milimeter during the forecasting period.

3.2 Agricultural Activity/Advisories

Wet conditions in the 1st dekad of March 2020 from 01st to 10th are expected, farmers are advised to plant seeds advised by Agriculture officers within their location. For more meteorological information you can visit Meteo Rwanda website: www.meteorwanda.gov.rw.