



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



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Summary

In the second Dekad (11-20) of March 2020, most parts of the country received light to moderate rainfall which was above the Long Term Mean(LTM) in almost all parts of the country, except Rusizi and Rubavu stations of the western province with below normal rainfall. In this dekad, high rainfall amount was recorded at Byimana station (122.5mm). While less rainfall was received at Rubavu station (25.4mm). Generally Southern, Northern and Eastern province were wet compared to the other regions of the country. The temperature was in normal range. The maximum temperature ranged between 30.0°C in Bugarama and 21.9°C in Gicumbi. Minimum temperature ranged between 20.4°C at Bugarama and 13.0 °C at Busogo and Musanze station.

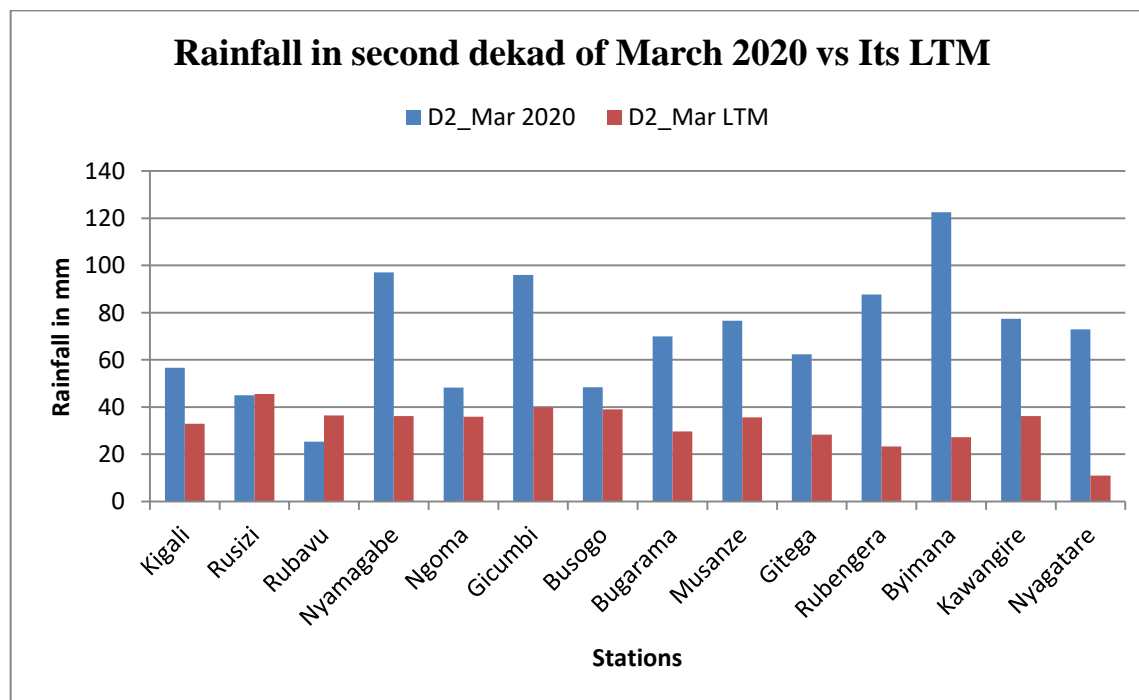


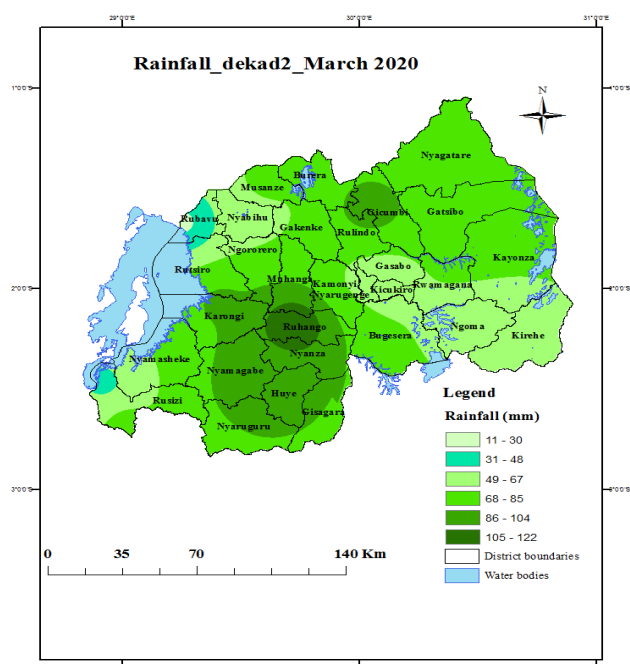
Figure 1: Rainfall performance as Compared to the LTM

1.0 Rainfall Pattern

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

1.1 Rainfall Amount

The total rainfall amount for the second dekad of March, 2020 is presented in map 1. On a daily basis observation, light to moderate rains were recorded in most parts of Rwanda. The accumulation of rainfall in ten days ranged from 122.5mm in Ruhango District (Byimana station) which is the highest and the lowest is 25.4mm in Rubavu District (Rubavu station). The Southern, Northern and Eastern Provinces were wet compared to other regions of the country.

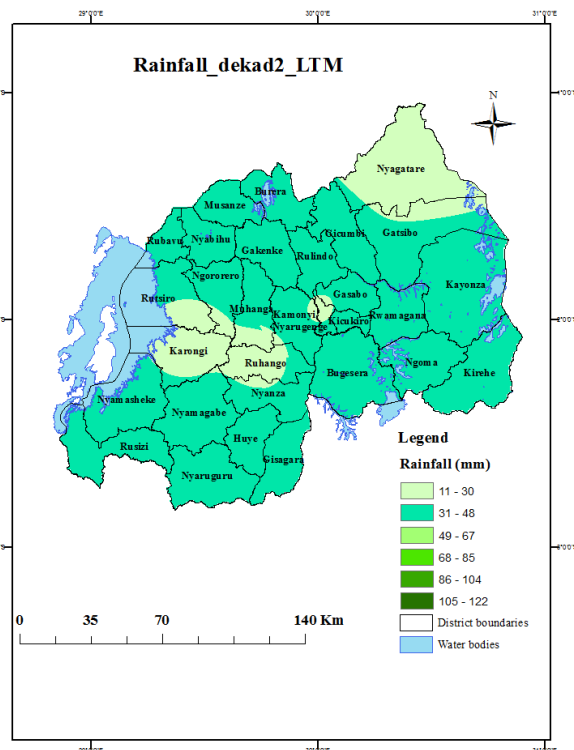


Map 1: Rainfall amount during 2nd Dekad of March 2020

1.2 Rainfall climatology in the 2nd dekad

The rainfall climatology for the 2nd dekad of March is shown in map 2, which indicates that rainfall usually range from 45.5mm to 11.0mm across the country. Comparing the current dekad and the Long Term Mean (LTM) for the same period,

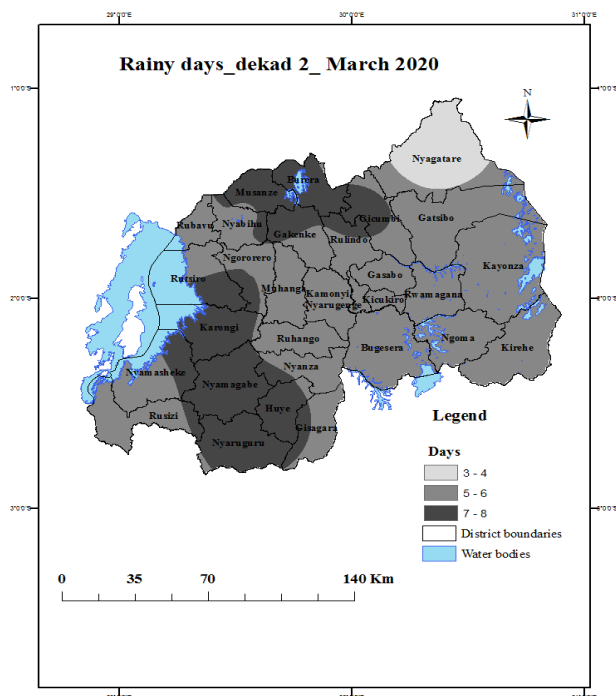
it can be observed that rainfall in the 2nd dekad of March 2020 was above the LTM in most parts of the country leaving Rubavu and Rusizi stations with below normal rainfall compare to the Long Term Mean (LTM).



Map 2: Rainfall amount during 2nd Dekad(LTM)

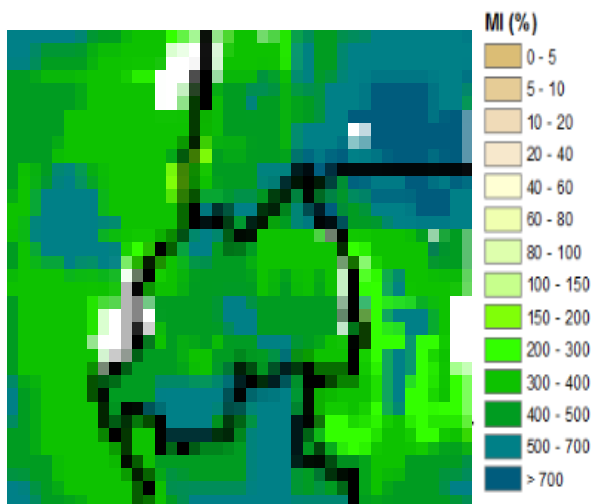
1.3. Number of Rain Days

Map 3 below shows the distribution of number of rain-days. A rainy day is defined as a day with rainfall of 0.85mm or more. A total of 3 to 8 days were observed across the country. It can be seen that most parts of the country had 6 rainy days. A minimum of 3 days was observed at Nyagatare station. The maximum of 8 days were received at Musanze station.



Map 3: Rainy days

1.4 Soil moisture index



Map 4: Soil Moisture Index

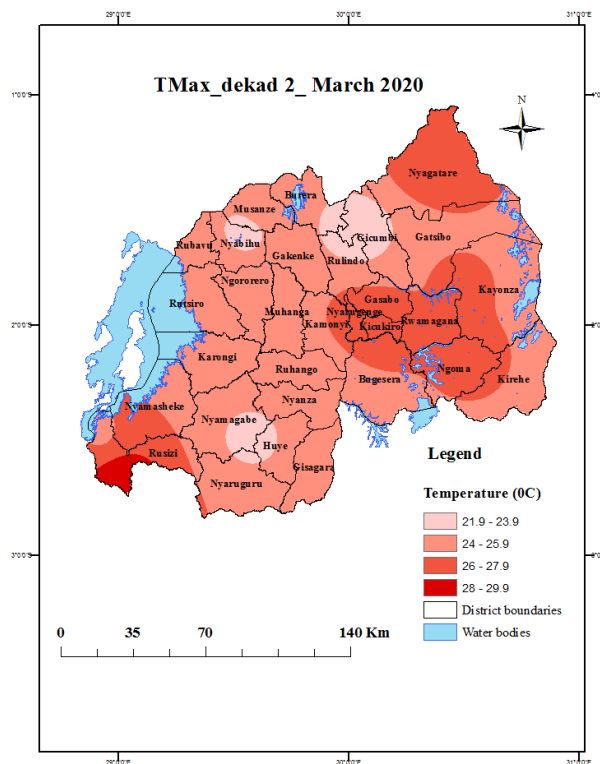
The distribution of available soil moisture across the country is shown in Map 4. Soil moisture increased in most parts of the country especially in Southern, Northern and in Eastern due to wet conditions experienced during this dekad, this will persist during the next dekad. Therefore, soil moisture across

2.0 Temperature observation

The average of maximum and Minimum temperature across the country during the 2nd dekad is highlighted below in this section.

2.1 Maximum Temperature

Map 5 below shows the actual mean maximum temperature distribution across the country which indicates that the Southwest, Kigali City and Eastern provinces were warmer compared to Nothern province and Southern province. However, in most parts of the country the maximum temperature was normal and ranged between 21.9 and 26.8°C with the exception of Nyagatare and Bugarama that recorded 27.4°C and 30.0°C respectively.

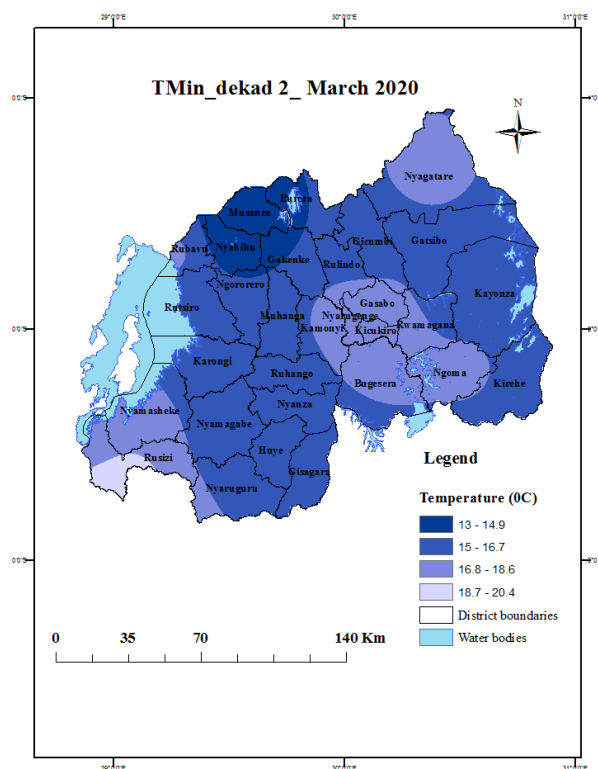


Map 5: Mean Maximum Temperature

the country will continue to increase.

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 increased a bit compared to the previous dekad. The minimum ranged between 13.0 °C (Busogo and Musanze) and 20.4°C (Bugarama).



Map 6: Mean Minimum Temperature

3.0 Weather Outlook and Agricultural for the 3rd dekad (21-31) March, 2020.

3.1 Weather Outlook for the 3rd dekad of March 2020.

Comparing to the 2nd dekad of March 2020, there will be a slight increase of rainfall amount in the 3rd dekad of March; light to moderate rainfall is expected in most parts of the country. Expected rainfall amount will be between 50 to 150 milimeter during the forecasting period. Western, Southern and Northern provinces are expected to receive high amount of the rainfall than the rest.

3.2 Agricultural Activity/Advisories

In present weather condition constant monitoring of timely sown seed should be done. Farmers are also 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.