



Highlights:

- **The cumulative rainfall** for dekad1_March_2019 shows high rainfall amount greater than the Long-Term Mean at Ngoma, Nyagatare and Gicumbi stations and less elsewhere at other representative stations
- Fairly good moisture for the past two dekads because of the fair wet weather we had for these past 20 days;
- The rainfall during dekad2_March_2019 is expected to be well distributed country wide and within the range of the climatology of each region

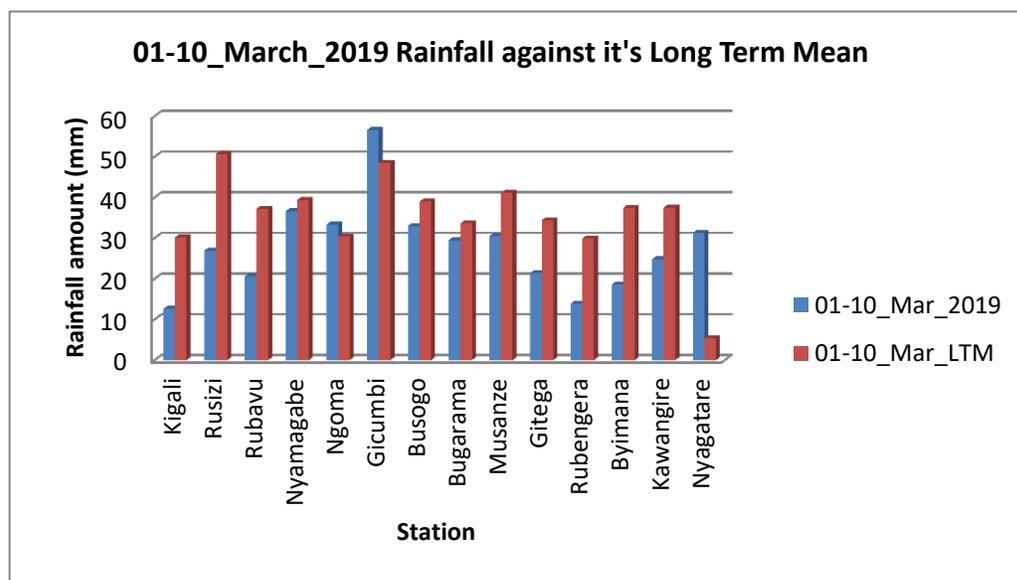
I. Introduction

The rainfall during dekad1_March_2019 was higher than the Long-Term Mean (LTM) at Ngoma, Nyagatare and Gicumbi stations and less elsewhere at other representative stations

a) The table and histogram below indicates the rainfall recorded during dekad1_March_2019 and its LTM:

Cumulative rainfall (in mm) recorded at different stations

Station	01-10_Mar_2019	01-10_Mar_LTM
Kigali	12.6	30.2
Rusizi	26.9	50.7
Rubavu	20.6	37.2
Nyamagabe	36.6	39.4
Ngoma	33.3	30.3
Gicumbi	56.6	48.5
Busogo	33.0	39.0
Bugarama	29.5	33.6
Musanze	30.5	41.1
Gitega	21.4	34.4
Rubengera	13.9	29.9
Byimana	18.5	37.4
Kawangire	24.8	37.5
Nyagatare	31.3	5.4

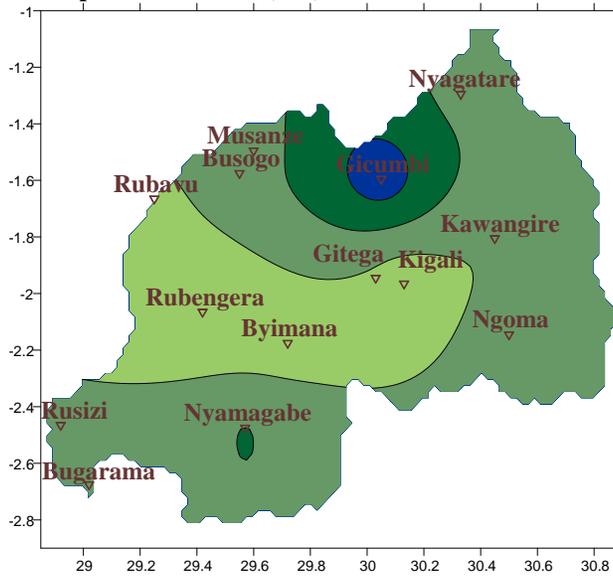


Plot1

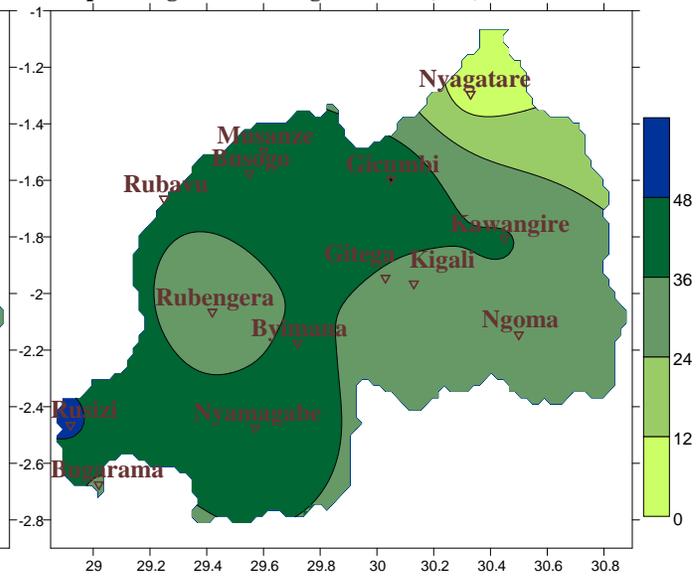
Table1

b) **Rainfall analysis:** The maps “**Map 1 and 2**” below show the cumulative rainfall recorded during dekad1_March_2019 and the cumulative rainfall for the same period
 The maps “**Map 3 and 4**” show the cumulative rainfall recorded during dekad3_February_2019 the cumulative rainfall for the same period

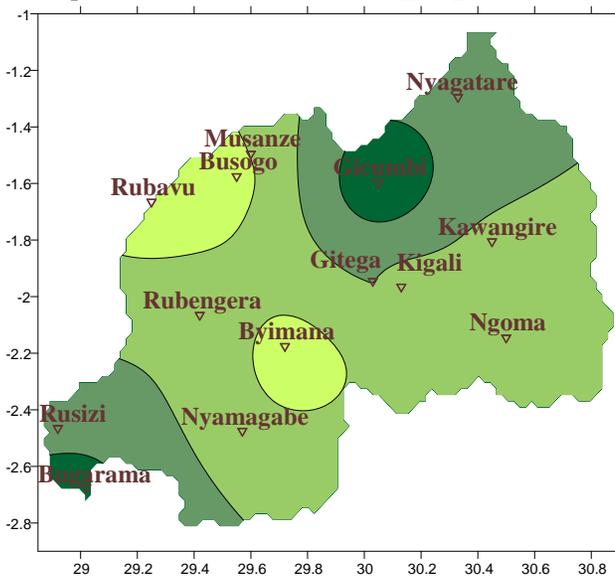
Map1: Total Rainfall (mm): dekad1_Mar_2019



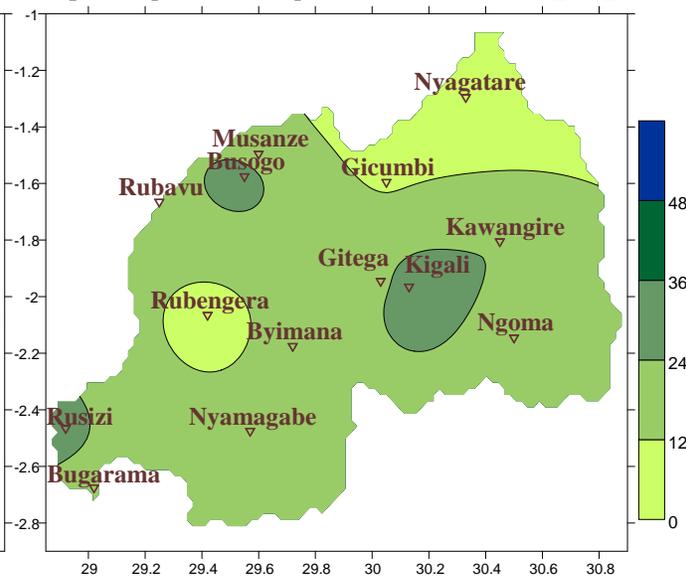
Map2: Long Term Average Rainfall (mm): dekad1_Mar_LTM



Map1: Total Rainfall (mm): dekad3_Feb_2019



Map2: Long Term Average Rainfall (mm): dekad3_Feb_LTM

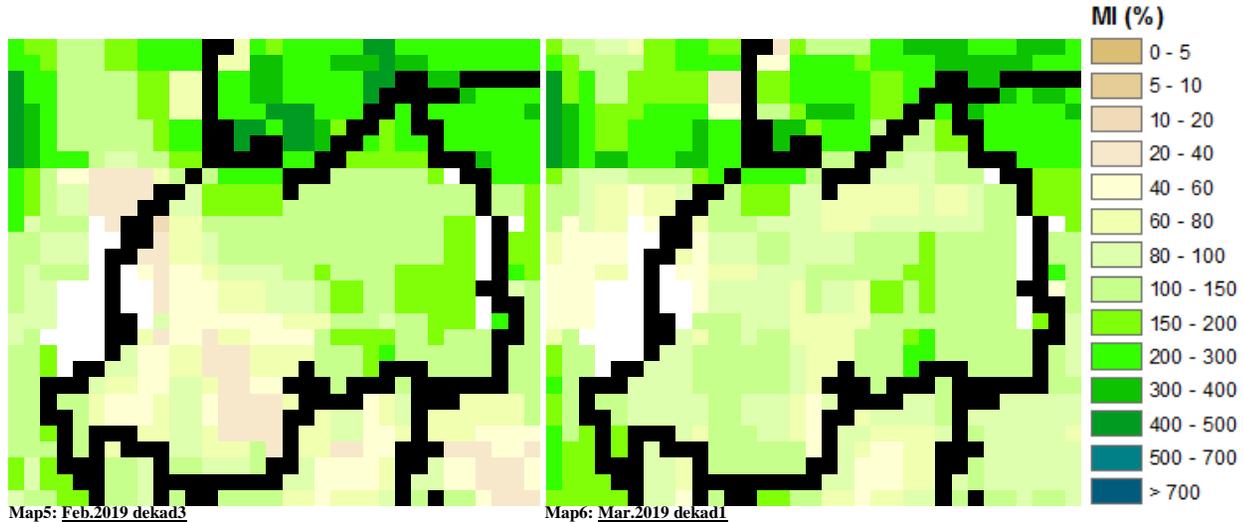


II. Detailed observed rainfall during the dekad1_March_2019

Cumulative rainfall for dekad1_March_2019 was higher than the Long-Term Mean (LTM) Nyamagabe, Nyagatare and Gicumbi stations and less elsewhere at other representative stations where Gicumbi station is the highest in amount with 56.6mm of rainfall (see **Map1&2** and **Table1**); during the third dekad3 of February_2019; the cumulative rainfall amount at each station was within the range of the LTM except the north-east which had higher values in comparison with the LTM (see **Map3&4**)

III. Agricultural impact.

a) Satellite images: Soil Moisture Index (MI)



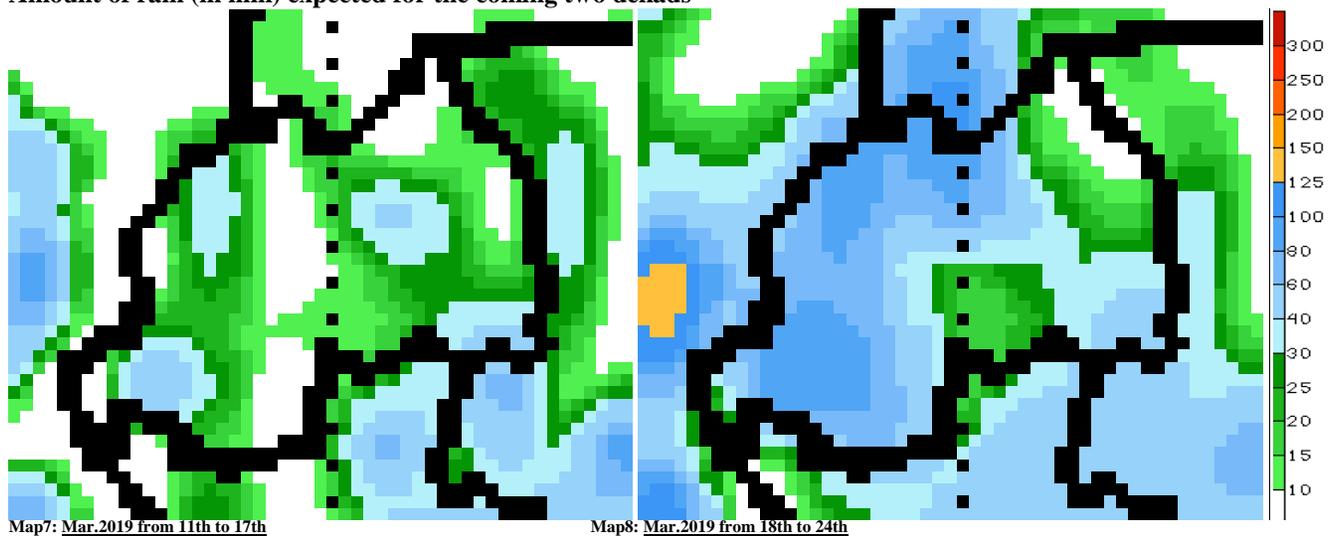
From the start of dekad3_February to end of dekad1_March_2019; the satellite derived moisture index shows a fair enough wet soil that is favorable for a variety of crops for the whole country (see **Map 5&6**)

b) Rainfall forecast for dekad2 March_2019

The distribution of rains during dekad2_March_2019 is expected to remain within the range of what was observed during the first dekad of March_2019 and to be within the range of the climatology:

- **Kigali City:** is expected to receive rainfall amount ranging from 20mm to 60mm within these coming two weeks
- **Eastern Province:** is expected to receive rainfall amount ranging from traces to 80mm within these coming two weeks
- **Southern Province:** is expected to receive rainfall amount ranging from 40mm to 100mm within these coming two weeks
- **Western Province:** is expected to receive rainfall amount ranging from 60mm to 100mm within these coming two weeks
- **Northern Province** is expected to receive rainfall amount ranging from 40mm to 100mm within these coming two weeks

Amount of rain (in mm) expected for the coming two dekads



N.B: This forecast should be used in conjunction with the daily (24-hour), Three (3), Five (5) and Seven (7) days forecasts issued by the Rwanda Meteorology Agency (Meteo Rwanda)