



Highlights:

- **The cumulative rainfall** for dekad1_May_2019 we observe high rainfall amount over stations of the north; and less was observed over the south and southeast as compared to what have been observed during the Long Term Mean (LTM) countrywide.
- The satellite imagery shows high values of soil moisture index due to wet weather conditions we experienced during these past two dekads;
- The rainfall during dekad2_May_2019 is expected to be widely spread within the country with high values expected over the north and west

I. Introduction

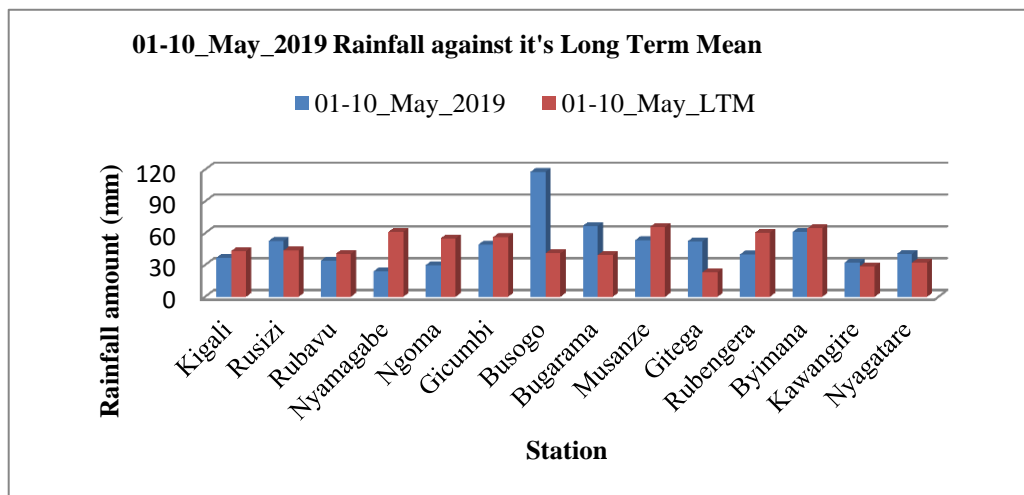
The rainfall during dekad1_May_2019 we observe high rainfall amount over stations of the north; and less was observed over the south and southeast as compared to what have been observed countrywide and also with the Long Term Mean (LTM)

- a) The table and histogram below indicates the rainfall recorded during dekad1_May_2019 and the LTM (Long Term Mean) for the same period:

Cumulative rainfall (in mm) recorded at different stations

Station	01-10_May_2019	01-10_May_LTM
Kigali	36.8	43.2
Rusizi	52.7	43.7
Rubavu	34.2	40.7
Nyamagabe	23.9	61.3
Ngoma	29.9	55.2
Gicumbi	49.1	56.3
Busogo	117.9	41.0
Bugarama	67.0	39.4
Musanze	53.5	66.1
Gitega	52.3	23.2
Rubengera	40.0	60.6
Byimana	61.1	64.6
Kawangire	32.5	28.8
Nyagatare	40.6	32.4

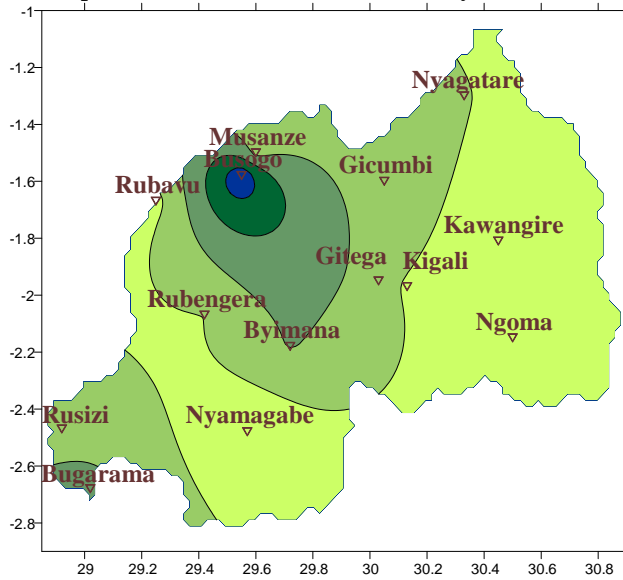
Table1



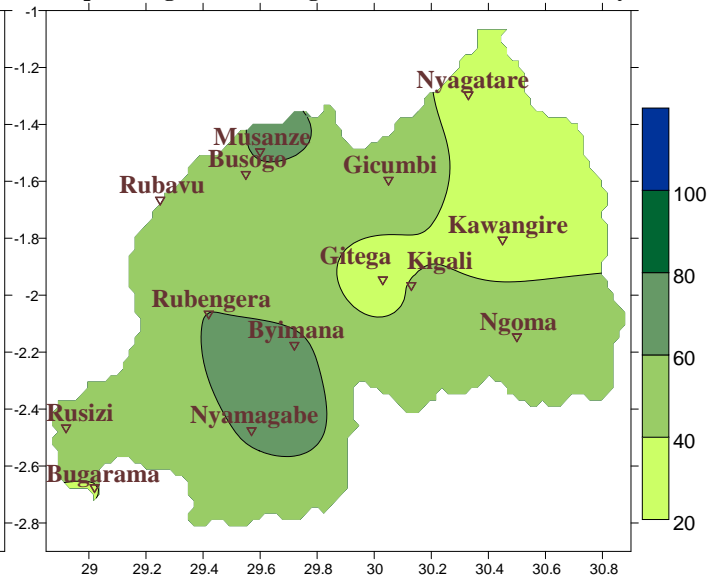
Plot1

b) **Rainfall analysis:** The maps “**Map 1 and 2**” below show the cumulative rainfall recorded during dekad1_May_2019 and the cumulative rainfall for the same period
 The maps “**Map 3 and 4**” show the cumulative rainfall recorded during dekad3_April_2019 the cumulative rainfall for the same period

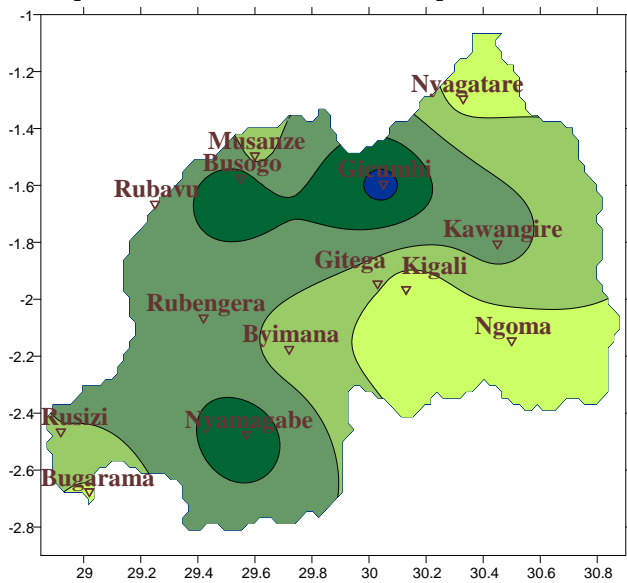
Map1: Total Rainfall (mm): dekad1_May_2019



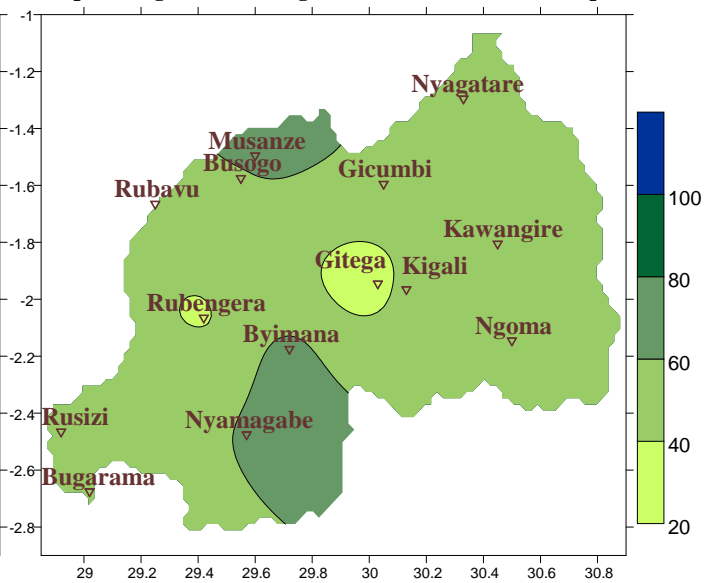
Map2: Long Term Average Rainfall (mm): dekad1_May_LTM



Map1: Total Rainfall (mm): dekad3_Apr_2019



Map2: Long Term Average Rainfall (mm): dekad3_Apr_LTM

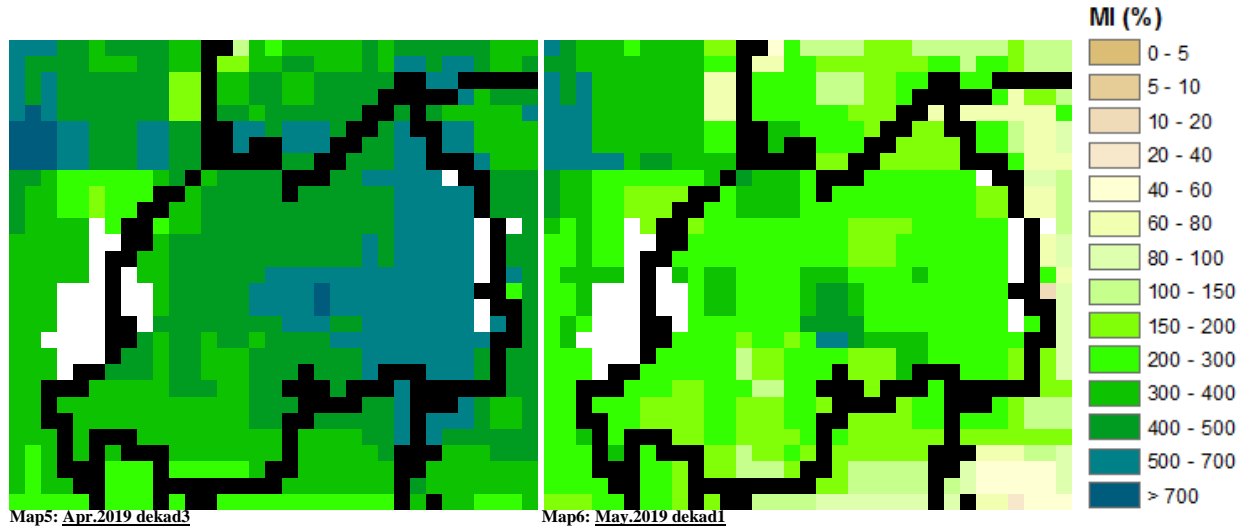


II. Detailed observed rainfall during the dekad1_May_2019

The rainfall during dekad1_May_2019 we observe high rainfall amount over stations of the north; and less was observed over the south and southeast as compared to what have been observed countrywide and also with the Long Term Mean (LTM); the highest with is at Busogo station in the Northern Province with 117.9mm of rainfall; see **Map1&2** and **Table1**); while for deka3_April_2019 the rainfall accumulation was less over the east and high elsewhere within the country (see **Map3&4**)

III. Agricultural impact.

a) Satellite images: Soil Moisture Index (MI)



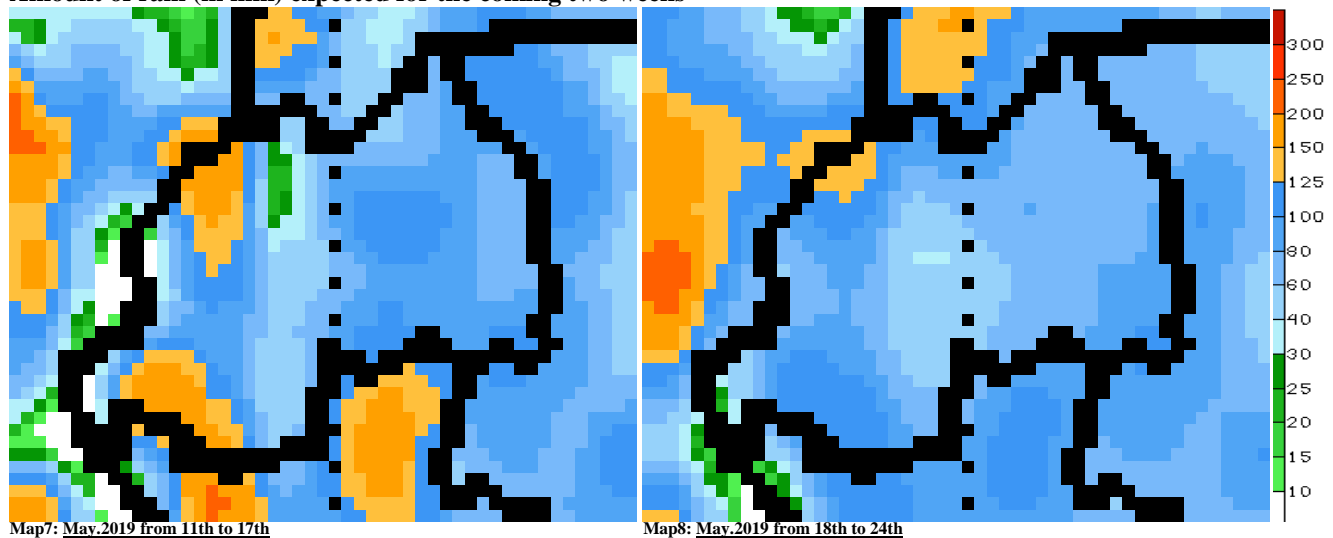
From the start of dekad3_April to end of dekad1_May_2019; the satellite imagery shows high values of soil moisture index (<150) country wide due to wet weather conditions we experienced during these past two dekads (see **Map 5&6**)

b) Rainfall forecast for dekad2 May_2019

The distribution of rains during dekad2_May_2019 is expected to be widely spread within the country with high values expected over the north and west:

- **Kigali City:** is expected to receive rainfall amount ranging from 40mm to 80mm within these coming two weeks
- **Eastern Province:** is expected to receive rainfall amount ranging from 40mm to 80mm within these coming two weeks
- **Southern Province:** is expected to receive rainfall amount ranging from 30mm to 100mm within these coming two weeks
- **Western Province:** is expected to receive rainfall amount ranging from 50mm to 125mm within these coming two weeks
- **Northern Province** is expected to receive rainfall amount ranging from 30mm to 125mm within these coming two weeks

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



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)