



Highlights:

- **The overall cumulative rainfall** for dekad2 June 2019; was observed to be in the normal category over the north-western Province as compared with the LTM (Long-Term Mean) while the rest of the country didn't receive rain.
- The soil moisture content kept on decreasing especially over the South, East, Kigali City, South-west and most parts of the Northern Province resulting from no rainfall during this last dekad over mentioned regions.
- The rainfall during third dekad of June 2019; we expect the system to be stronger within the first week and to weaken as we're heading to the second week.

I. Introduction

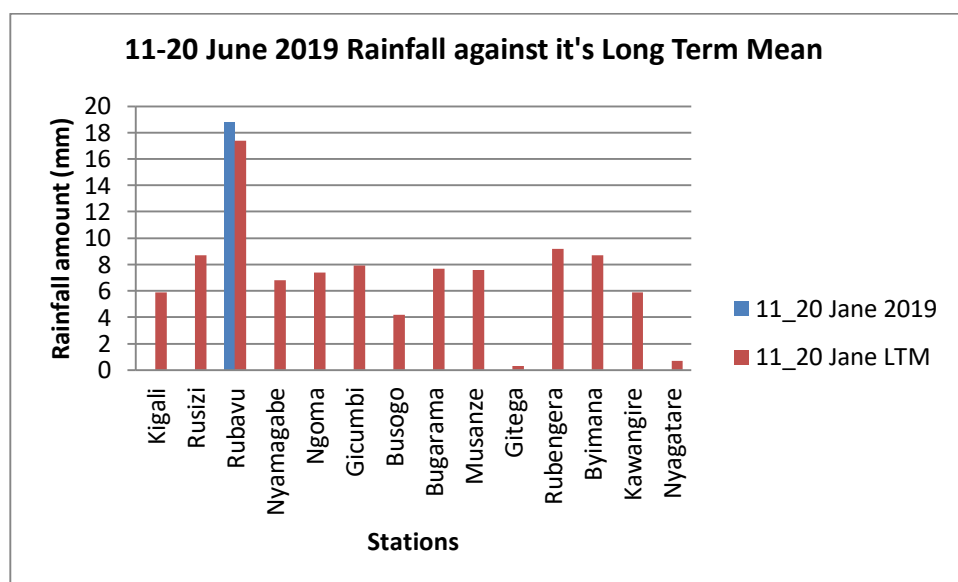
The 2nd dekad of June 2019; shows that the cumulative rainfall over the North-western parts (Rubavu) is in the normal range as compared with the LTM (Long-Term Mean) while the rest of the country didn't receive rain.

a) The table and histogram below indicates the rainfall recorded during dekad1 June 2019:

Cumulative rainfall (in mm) recorded at different stations

Ubupimiro	11-20 June_2019	11-20 June LTM
Kigali	5.9	0
Rusizi	8.7	0
Rubavu	17.4	18.8
Nyamagabe	6.8	0
Ngoma	7.4	0
Gicumbi	7.9	0
Busogo	4.2	0
Bugarama	7.7	0
Musanze	7.6	0
Gitega	0.3	0
Rubengera	9.2	0
Byimana	8.7	0
Kawangire	5.9	0
Nyagatare	0.7	0

Table1

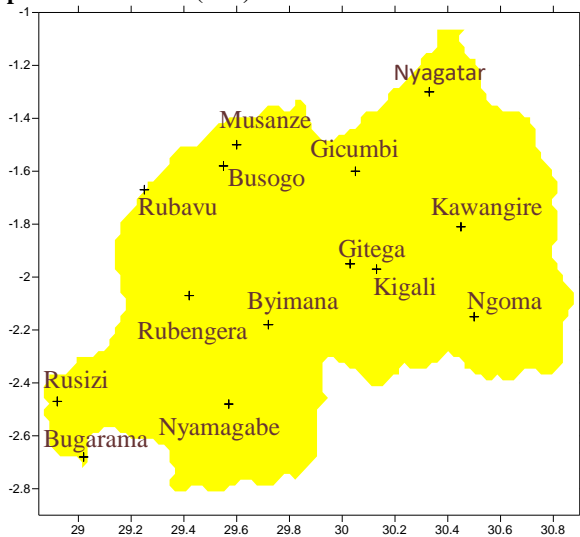


Plot1

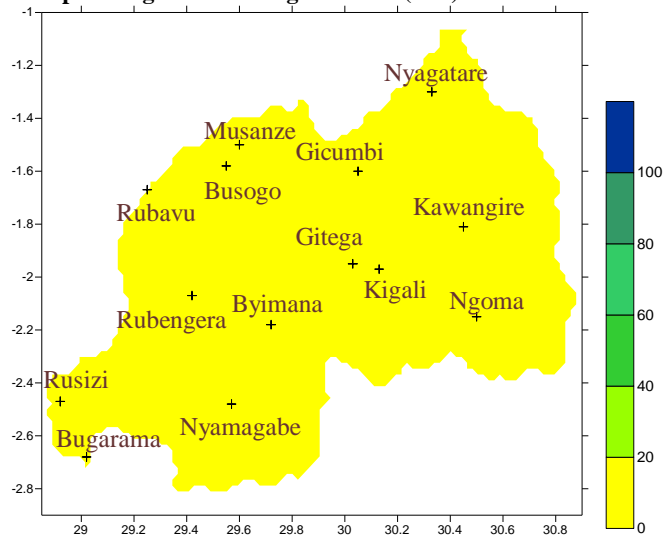
b) **Rainfall analysis:** The maps “Map 1 and 2” below show the cumulative rainfall recorded during dekad2 June 2019 and the cumulative rainfall for the same period in long term.

The maps “map 3 and 4” show the cumulative rainfall recorded during dekad1 June 2019 and the cumulative rainfall for the same period.

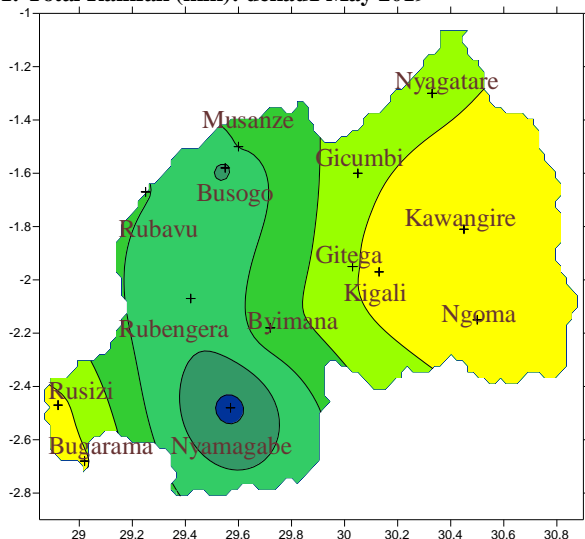
Map1: Total Rainfall (mm): dekad2 June 2019



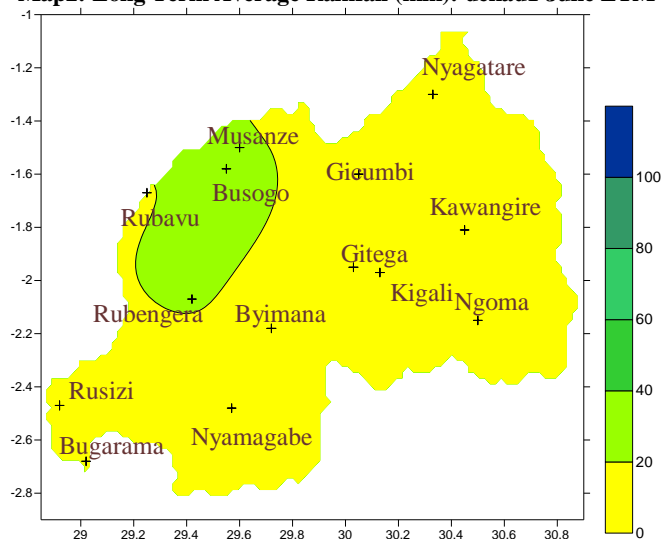
Map2: Long Term Average Rainfall (mm): dekad2 June LTM



Map1: Total Rainfall (mm): dekad1 May 2019



Map2: Long Term Average Rainfall (mm): dekad1 June LTM

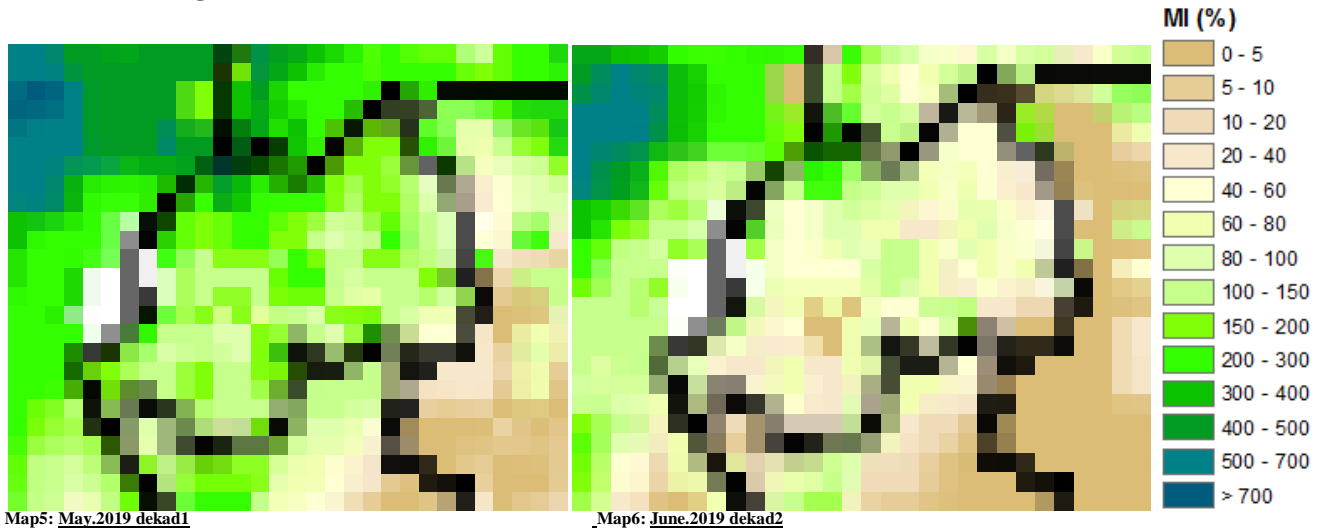


II. Detailed observed rainfall during the dekad2 June_2019

During the dekad2 June 2019; the cumulative rainfall amounts over the north-Western Province are in the normal range as compared with the LTM (Long-Term Mean) where Gisenyi station (Rubavu) recorded 18.8mm of rainfall, see **Table1**); the rest of the country didn't receive rain. The high rainfall amount observed over North; West, South, west of Kigali City and north Eastern Province during dekad1 June 2019 are in the above normal range while the rest of the country is in the normal category as compared with the LTM (see **Map3&4**).

III. Agricultural impact

a) Satellite images : Soil Moisture Index (MI)



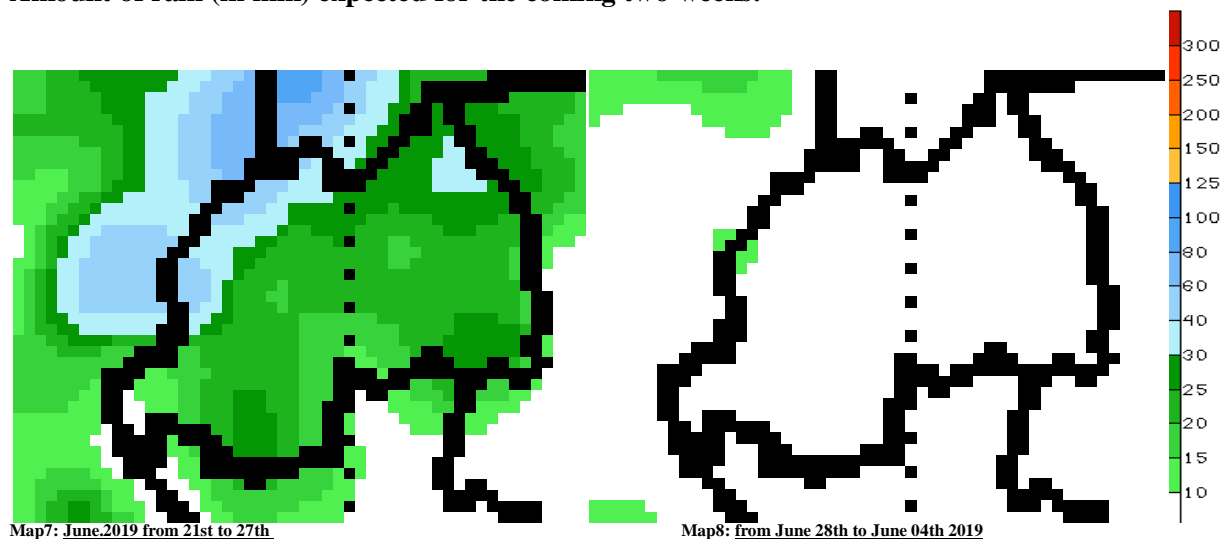
Comparing the dekad1 June 2019 to dekad2 June 2019 satellite derived moisture index; kept on showing dry soil increasingly as a result of the dry weather condition observed especially over the South, East, Kigali City, South-west and most parts of the Northern Province (see **Map5&6**).

b) Rainfall forecast for dekad3 June 2019 from 21st June to 4th July 2019

The rainfall during third dekad of June 2019; we expect the system to be wetter within the first week and to weaken as we are heading to the second week.

- Kigali City: is expected to receive rainfall amount ranging from 10mm to 30mm within coming two weeks.
- Eastern Province: is expected to receive rainfall amount ranging from 10mm to 30mm within coming two weeks.
- Southern Province: is expected to receive rainfall amount ranging from 10mm to 30mm within coming two weeks.
- Western Province: is expected to receive rainfall amount ranging from 10mm to 60mm within coming two weeks.
- Northern Province: is expected to receive rainfall amount ranging from 10mm to 60mm within 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)