



**Highlights:**

- **The cumulative rainfall** for dekad1\_August\_2018 was in the above range country wide in comparison with the Long Term Mean (LTM) rainfall amount;
- The prevailing dry weather dominating the wet weather conditions are keeping the soil as being dry;
- The rainfall during dekad2\_August\_2018 is expected to **be less country wide compared with what was observed during dekad1\_August\_2018**

**I. Introduction**

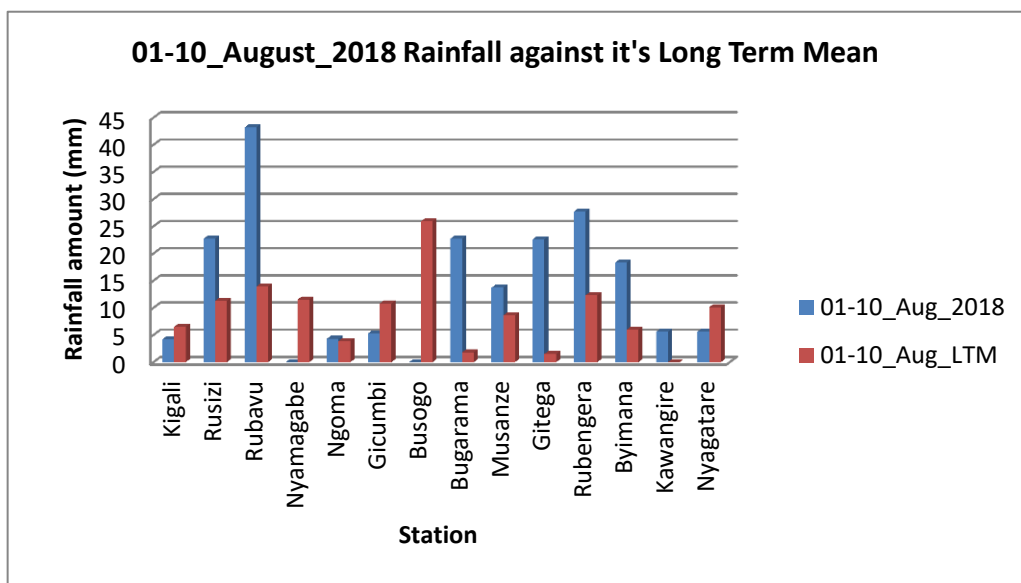
The rainfall during dekad1\_August\_2018 was everywhere above the range of LTM (Long Term Mean)

a) The table and histogram below indicates the rainfall recorded during dekad1\_August\_2018 and its LTM:

**Cumulative rainfall (in mm) recorded at different stations**

Station	01-10_Aug_2018	01-10_Aug_LTM
Kigali	4.2	6.5
Rusizi (Kamembe)	22.7	11.3
Rubavu (Gisenyi)	43.2	13.9
Nyamagabe (Gikongoro)	0.0	11.5
Ngoma (Kibungo)	4.3	3.9
Gicumbi (Byumba)	5.3	10.8
Busogo	0.0	25.9
Bugarama	22.7	1.8
Musanze (Ruhengeri)	13.7	8.6
Gitega	22.6	1.5
Rubengera	27.7	12.3
Byimana	18.3	6.0
Kawangire	5.6	0.0
Nyagatare	5.6	10.1

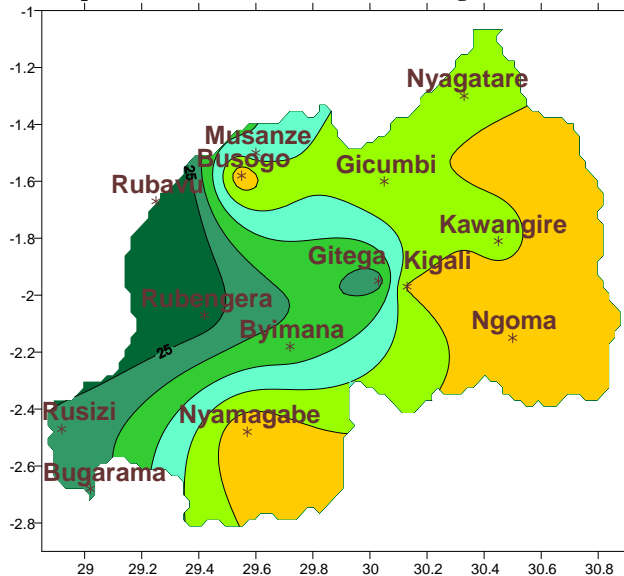
*Table1*



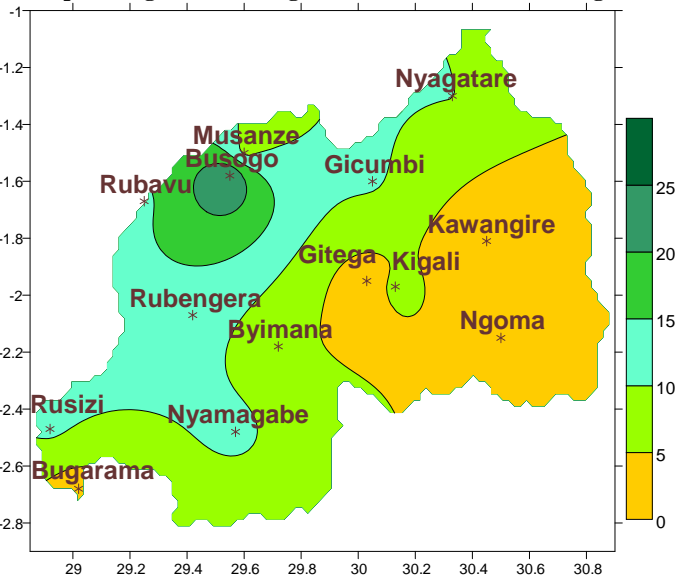
*Plot1*

- b) **Rainfall analysis:** The maps “**Map 1 and 2**” below show the cumulative rainfall recorded during dekad1\_August\_2018 and the cumulative rainfall for the same period  
The maps “**Map 3 and 4**” show the cumulative rainfall recorded during dekad3\_July\_2018 the cumulative rainfall for the same period

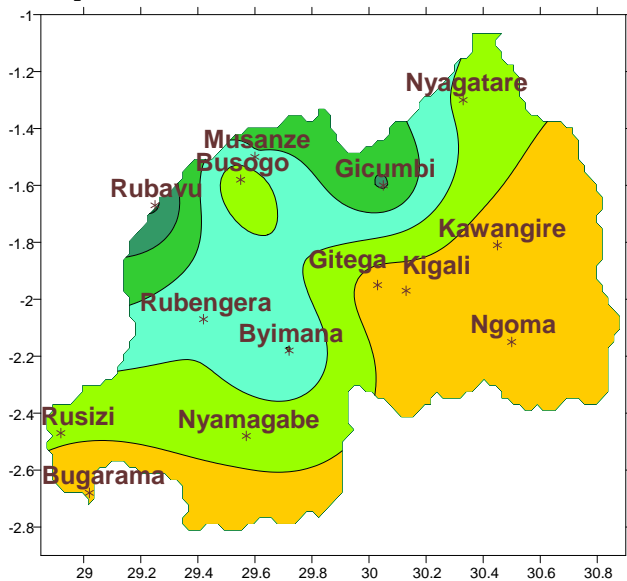
**Map1: Total Rainfall (mm): dekad1\_Aug\_2018**



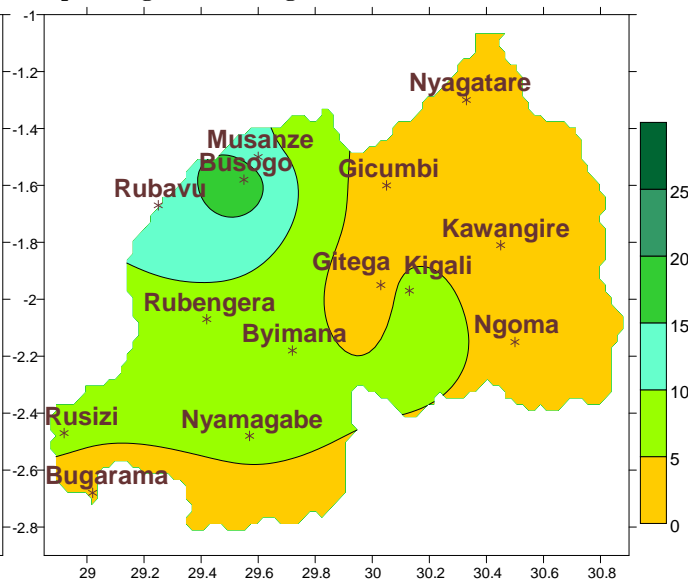
**Map2: Long Term Average Rainfall (mm): dekad1\_Aug\_LTM**



**Map1: Total Rainfall (mm): dekad3\_Jul\_2018**



**Map2: Long Term Average Rainfall (mm): dekad3\_Jul\_LTM**

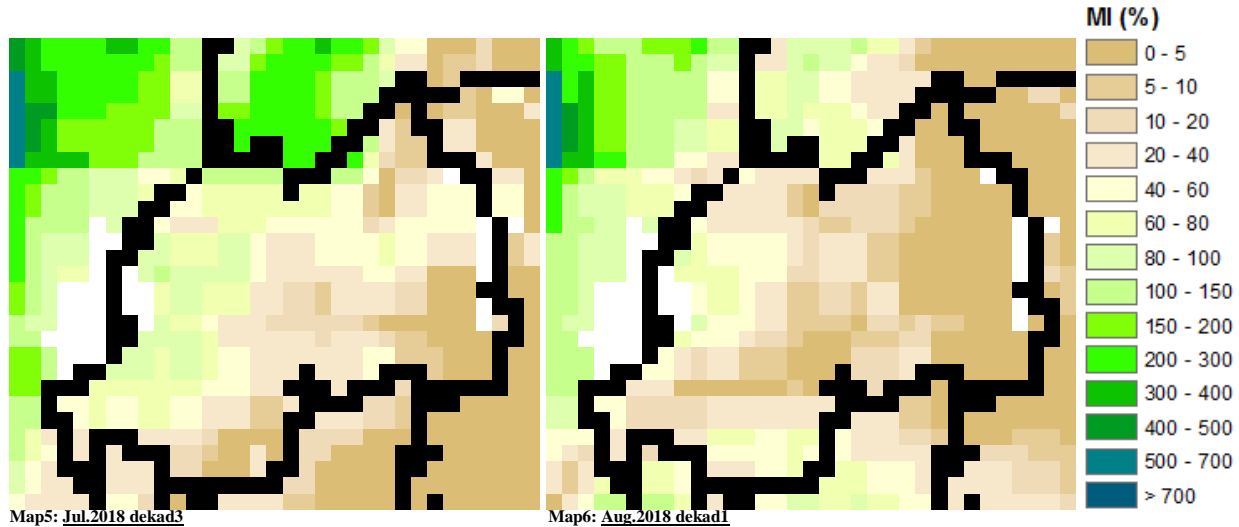


## II. Detailed observed rainfall during the dekad1\_August\_2018

Cumulative rainfall for dekad1\_August\_2018 was higher than normal at every representative station (see **Map1&2** and **Table1**). The same situation but different pattern during the dekad3 of July\_2018 (see **Map3&4**)

### III. Agricultural impact.

#### a) Satellite images: Soil Moisture Index (MI)

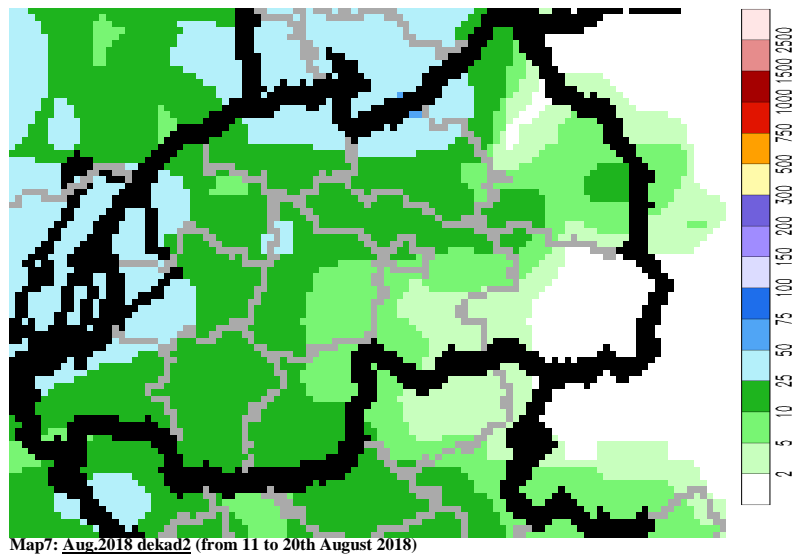


From the start of dekad3\_July to end of dekad1\_August\_2018; the satellite derived moisture index shows an extended dry soil because of the dry weather dominated the wet weather conditions (see **Map 5&6**)

#### b) Rainfall forecast for dekad2 August\_2018

The distribution of rains during dekad2\_August\_2018 is expected to reduce in comparison to what was observed during the first dekad of August\_2018; but will also have more rains over the west as shown in the map below (Map7);

#### Amount of rain (in mm) expected



**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)