



SEASONAL FORECAST FOR OCTOBER TO DECEMBER (OND) 2020, N°57

The National consensus climate outlook for the October to December (OND) 2020 rainfall season indicates that most parts of the country are likely to experience normal to below normal rainfall.

The key factors expected to influence rainfall during OND 2020 rainfall season include negative Indian Ocean Dipole (IOD) anomalies which are currently evolving in the Indian Ocean and weak El Nino Southern Oscillation Index (ENSO). These conditions are expected to persist throughout the season with slight enhancement during November 2020. The negative IOD are associated with La Nina episodes which are unusual and they are characterized by coldness in sub-surface waters of both Equatorial Pacific and Indian Ocean. These anomalous changes are linked with reduced rainfall over the East Africa including Rwanda due to reduced transport of moisture from the ocean to the land hence hampering the development of active precipitable weather patterns. However, regional circulation systems, topography and large inland water bodies will modulate the influence of the ocean processes in order to produce the rainfall.

The merged seasonal forecasts was generated using statistical and dynamical analysis done for each zones across the country.

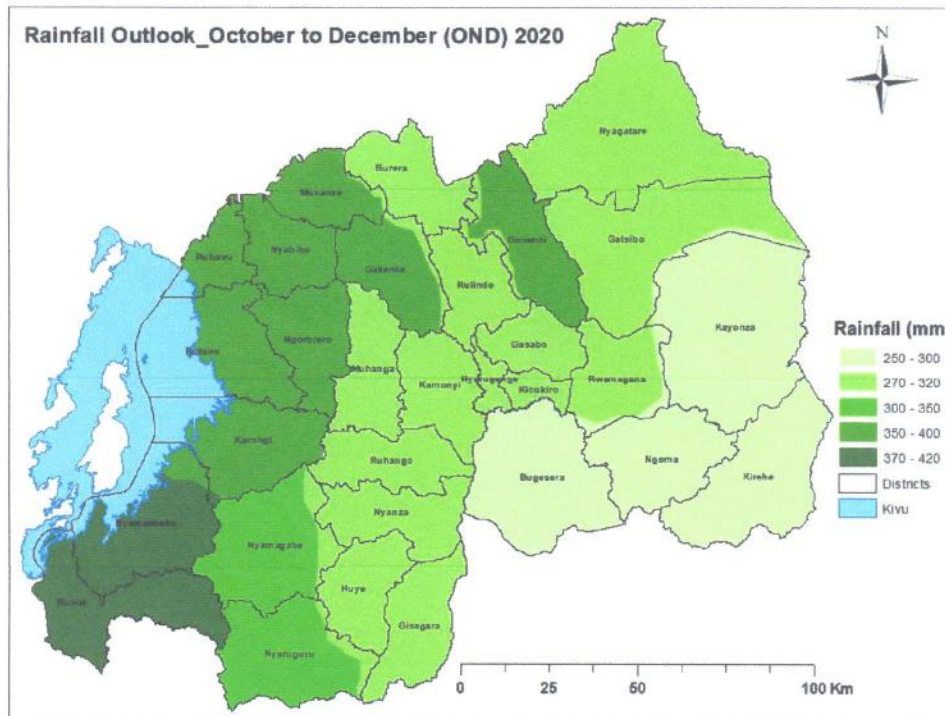
The amount of seasonal rainfall was categorized according to the districts as follows:

- **Rainfall ranging between 370 and 420 milimeters** is expected in the Western Province in the districts of Nyamasheke and Rusizi.
- **Rainfall ranging between 350 and 400 milimeters** is expected in the Northern region, Musanze, Gakenke and Gicumbi districts ; Western Province in Rubavu, Nyabihu, Ngororero, Rutsiro and Karongi districts.
- **Rainfall ranging between 300 and 350 milimeters** is expected in the Southern Province in Nyaruguru and Nyamagabe districts.
- **Rainfall ranging between 270 and 320 milimeters** is expected in the Southern Province in Kamonyi, Ruhango, Muhanga, Nyanza, Huye and Gisagara districts, Northern Province Burera and Rulindo districts, Eastern Province Nyagatare, Rwamagana and Gatsibo districts and Kigali city in Nyarugenge, Gasabo and Kicukiro.

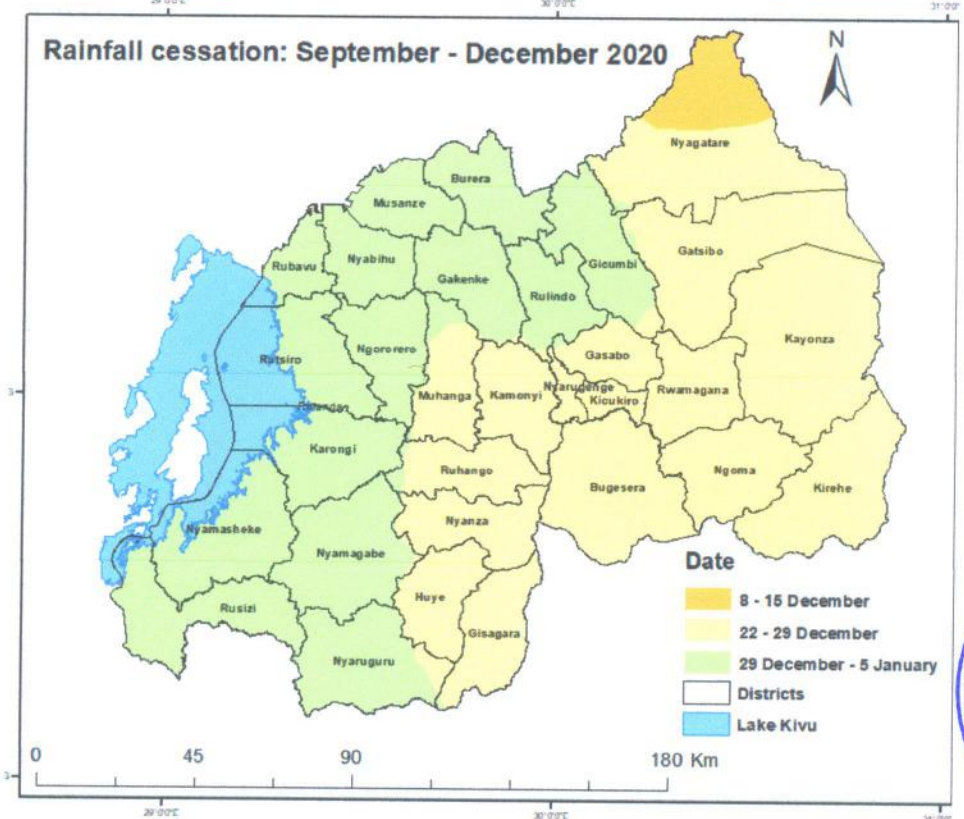
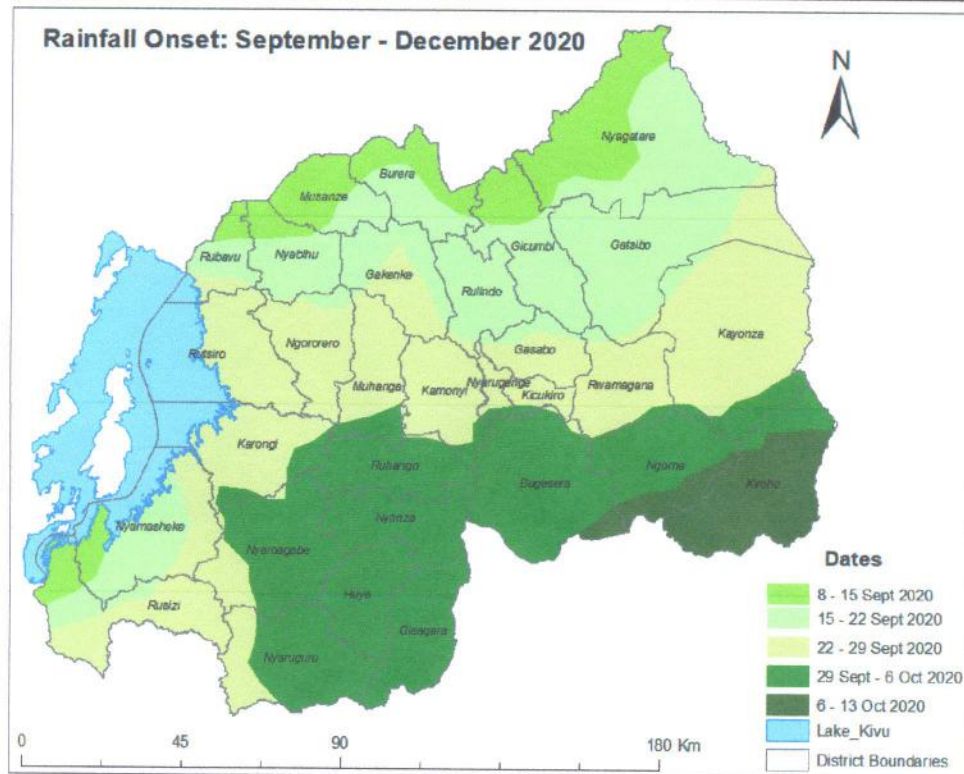




- Rainfall ranging between 250 and 300 millimeters is expected in Eastern Province in Bugesera, Kayanza, Ngoma and Kirehe districts.



7



9



Expected rainfall amount in millimeters October to December (OND 2020)

Provinces	Districts	Expected rainfall amount (mm)
Kigali City	Nyarugenge	270-320
	Gasabo	270-320
	Kicukiro	270-320
Northern	Musanze	350-400
	Gicumbi	350-400
	Rulindo	270-320
	Burera	270-320
	Gakenke	350-400
Southern	Kamonyi	270-320
	Muhanga	270-320
	Ruhango	270-320
	Nyanza	270-320
	Huye	270-320
	Gisagara	270-320
	Nyamagabe	300-350
	Nyaruguru	300-350
Eastern	Bugesera	250-300
	Rwamagana	270-320
	Kayonza	250-300
	Ngoma	250-300
	Kirehe	250-300
	Gatsibo	270-320
	Nyagatare	270-320
Western	Nyabihu	350-400
	Rubavu	350-400
	Rutsiro	350-400
	Karongi	350-400
	Ngororero	350-400
	Nyamasheke	370-420
	Rusizi	370-420

THE EXPECTED IMPACTS IN VARIOUS SECTORS

The expected Normal to below normal rainfall is expected during the October to December 2020 rainfall season may lead to extreme weather phenomenon such as dry spells floods, landslides, strong winds and other related weather extremes events.

Therefore, there is a need for relevant authorities to put in place prevention and mitigation strategies to minimize the impacts related to mentioned weather phenomena.





Based on the seasonal prediction of October-November-December (OND) 2020 and (SOND) 2020 released earlier in September stakeholders in Agricultural sector are advised to fast track their farming activities and take advantage of seasonal rainfall.

N.B This outlook is supplemented by daily updates of different timescales (24-hours, 3- days 5-days and 10-days forecasts and regular monthly updates) and advisories issued by Rwanda Meteorology Agency.

Done on 3rd October, 2020.

Aimable GAHIGI
Director General

