



**University
of Manitoba**



Canada Africa 4R Solution and Precision Nutrient Management – Online Series

A. Background

B. Funded by the Global Affairs Canada, the 4R Solution project aims at improving socio economic well-being and resilience of smallholder farmers, particularly women, by incorporating 4R Nutrient Stewardship (Right Source @ Right Rate, Right Time, Right Place). Fertilizer Canada, University of Manitoba, OCP group and University Mohammed VI Polytechnic are convening the first Africa- Canada 4R Solution and Precision Nutrient Management Summit Inaugural series of sessions. The series of sessions will be held on an online platform from June 2020 to February 2021. The series of virtual sessions (1 webinar per month, each running for 2 hours) brings together key stakeholders in 4R nutrient management research and extension from Canada and Africa with a goal of developing a Canada-Africa 4R academic network to support knowledge transfer. This will help identify 4R and precision nutrient management research and extension gaps in Africa, raise the profile of 4Rs in Africa and Canada, and create an opportunity for future investment in African 4R and precision nutrient management research and extension. It is envisaged that each session will have about 100 participants. The webinar materials will be uploaded on [4R Webinar](#) webpage.

C. Objectives of the meeting series

- To increase visibility of 4R Solution project
- To create a network of African and Canadian scientists with a goal of advancing 4R and precision nutrient management science and extension
- To increase engagement by African universities in 4R Nutrient Stewardship

D. Agenda

Theme: Effects of 4Rs on Greenhouse Gas Emission

Monday August 10, 2020

8:00 am- 8:05 am	Introduction & Welcome Clyde Graham Executive Vice President Fertilizer Canada
8.05 am – 8.25 am	4R effects on total GHG emission in Eastern Canada Dr. Claudia Wagner-Riddle Professor University of Guelph
8.25 am – 8.35 am	Q/A
8.35 am – 8.55 am	4R effects on total GHG emission in Western Canada Dr. Mario Tenuta Professor University of Manitoba

8.55 am – 9.05 am	Q/A
9.05 am – 9.25 am	4Rs, soil organic carbon and soil health management in Africa Dr. Job Kihara Senior Scientist, Agronomy and Soil Fertility, Soils and Water Management CIAT
9.25 am -9.35 am	Q/A
9.35 am – 9:55 am	Balancing economic and environmental priorities in relation to 4R nutrient management in Sub-Saharan agriculture Kaushik Majumdar Director General African Plant Nutrition Institute
9:55 am – 10:00 am	Q/A