



**University  
of Manitoba**



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

### A. Background

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.

### B. 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

### C. Agenda

**Theme: Nutrient Sources**

**Monday September 14, 2020**

8:00 am- 8:05 am	<b>Introduction &amp; Welcome</b> Clyde Graham   Executive Vice President   Fertilizer Canada
8.05 am – 8.25 am	<b>Unlocking the hidden potential through integrating fertilizers with organic nutrient resources in infertile soils.</b> Regis Chikowo   Professor   University of Zimbabwe/Michigan State University
8.25 am – 8.35 am	Q/A
8.35 am – 8.55 am	<b>Inhibitors of urease and nitrification, controlled-release coatings, microbial inoculants for Nitrogen and Phosphorus</b>

	Dr. Rigas Karamanos   Senior Agronomist   Koch Fertilizer Canada
8.55 am – 9.05 am	Q/A
9.05 am – 9.25 am	<b>I. Optimization of rhizosphere-microbial interactions to improve P use efficiency</b> Adnane BARGAZ   Professor   University Mohammed VI Polytechnic University
9.25 am -9.35 am	Q/A
9.35 am – 9:55 am	<b>The Role of Sulphur Nutrient Sources in a Balanced Nutrient Management Program</b> Dr. Kent Martin   Martin Agronomic and Environmental Consulting, LLC
9:55 am – 10:00 am	Q/A