



**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 (2 sessions per month, each running for 2-3 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.

### 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 agriculture science and extension
- To increase engagement by African universities in 4R Nutrient Stewardship

### D. Agenda

Monday June 15, 2020	
8.00 am – 8.20 am	<p><b>Session I: Welcome and opening remarks</b></p> <ul style="list-style-type: none"> <li>- Clyde Graham   Fertilizer Canada               <ul style="list-style-type: none"> <li>○ <i>Introducing the online series and 4Rs</i></li> </ul> </li> <li>- Leonardus VERGUTZ   UM6P               <ul style="list-style-type: none"> <li>○ <i>Mohammed VI Polytechnic University efforts towards the 4R solutions</i></li> </ul> </li> <li>- Mario Tenuta   University of Manitoba               <ul style="list-style-type: none"> <li>○ <i>Introducing the Canadian Senior Industrial Research Chair in 4R Nutrient Stewardship</i></li> </ul> </li> </ul>
8.20 am – 8.30 am	Q/A

8.30 am – 9.00 am	<p><b>Session 2: Introducing 4R Nutrient Stewardship Project</b></p> <ul style="list-style-type: none"> <li>- Tom Bruulsema, Chief Scientist   IPNI Canada <ul style="list-style-type: none"> <li>o <i>The scientific foundation for relating 4R practices to outcome</i></li> </ul> </li> <li>- Clyde Graham, Executive Vice President   Fertilizer Canada <ul style="list-style-type: none"> <li>o <i>4R Solution – Get Involved</i></li> </ul> </li> <li>- Benoit Andre, Executive Director   CDF Canada <ul style="list-style-type: none"> <li>o <i>Overview of 4R Solution Project</i></li> </ul> </li> </ul>
9.00 am – 9.10 am	Q/A
9.10 am – 9.40 am	<p><b>Session 3: 4R Solution: Looking forward from Year 1</b></p> <ul style="list-style-type: none"> <li>- Frewengel Wolde-Michael, Africa Regional Director   CDF Canada <ul style="list-style-type: none"> <li>o <i>Ghana &amp; Ethiopia: 4R Solution Progress To date and Moving forward</i></li> </ul> </li> <li>- Shamie Zingore, Director Research &amp; Development   APNI <ul style="list-style-type: none"> <li>o <i>4R Solution for smallholder farming systems in Ethiopia and Ghana: 4R technical review and implementation process.</i></li> </ul> </li> </ul>
9.40 am -9.50 am	Q/A
9.50 am – 10.00 am	<p><b>Session 4: Closing remarks and next steps</b></p> <ul style="list-style-type: none"> <li>- Mario Tenuta   University of Manitoba</li> <li>- Leonardus VERGUTZ   UM6P</li> </ul>