



June 10 – 11, 2019
Cleveland, OH

Monday June 10th

11:00 – 5:00pm

4R Summit Registration

General Session 1

1:00 – 3:00pm

Welcome & Keynote

1:00 – 1:35

Welcoming Remarks

Lara Moody, The Fertilizer Institute

1:35 – 2:00

Welcome to Ohio

Dorothy Pelanda, Ohio Director of Agriculture

Tackling Ohio's Water Quality Issues: Diverse Stakeholders Working Through Challenges Together

2:00 – 3:00

Chris Henney, President & CEO, Ohio AgriBusiness Association

Bryan Humphreys, Executive Vice President, Ohio Pork Council

Janelle Mead, CEO, Ohio Federation of Soil and Water Conservation Districts

Kirk Merritt, Executive Director, Ohio Soybean Council

Heather Taylor-Miesle, Executive Director, Ohio Environmental Council

Speaker Discussion and Question Panel

Networking Break

3:00 – 3:30

Concurrent Sessions

3:30 – 5:30

Concurrent Session 1A – Building Blocks for 4R Certification

3:30 – 3:50

Introductions & Global Nutrient Stewardship Council

Lara Moody

3:50 – 4:10

Building Support in Missouri

Steve Taylor -MO Ag Business Association

4:10 – 4:30

Up & Running with 4R Certification in New York



- Jeanette Marvin – NY Ag Business Association*
- 4:30 – 4:50 Organizing a New 4R Program in Florida
David Royal – The Nature Conservancy
- 4:50 – 5:10 4R Certification in Canada
Speaker to be announced
- 5:10 – 5:30 **Speaker Discussion & Questions**

Concurrent Session 1B – Science for Stewardship

- 3:30 – 3:40 Introductions & Insight into Newly Funded Projects
Sally Flis - TFI
- 3:40 – 4:05 The potential for enhanced efficiency N fertilizers to reduce N loss from corn production in Ontario
Claudia Wagner Riddle, University of Guelph
- 4:05 – 4:30 Timing of N Application in Corn Production
Tony Vyn, Perdue University
- 4:30 – 4:55 NutriNet – Running Multi-Location Projects
Alison Eagle
- 4:55 – 5:20 4R P Management and Cover Crops
Elliott Carver, Kansas State University
- 5:20 – 5:30 **Speaker Discussion & Questions**

Reception: Rock & Roll Hall of Fame

5:30 – 6:30

Tuesday, June 11th

7:30 – 8:00

Coffee & Light Breakfast

General Session 2

8:00 – 9:30

The Story of 4R Economics

Introductions and Opening Remarks

Carrie Vollmer-Sanders, The Nature Conservancy

-Why 4R? An Industry Perspective

Brent McGowan, Vice President Operations, Wilbur-Ellis

Jeff Blair, President Plant Nutrient Group, The Andersons, Inc.

-Why 4R? A Farm Perspective

David Myerholtz, 4R Advocate, Ohio

Networking & Coffee Break

9:30 – 10:00

Concurrent Sessions

10:00 – 12:00

Concurrent Session 2A – The Economics of 4R Practice Change

- 10:00 – 10:10 Introductions & Insight to 4R Case Study Development
Sally Flis, The Fertilizer Institute
- 10:10 – 10:35 What do we need to know to calculate cost?
Tyler Mark, University of Kentucky
- 10:35 – 11:00 4R Practice Change and Cost in Western Vegetable Production
Galen Mooso, Simplot
- 11:00 – 11:25 Case Studies in IL on 4R Practice Change
Laura Gentry, Illinois Corn Growers
- 11:25 – 11:50 How does irrigation and fertigation impact 4R cost implementation?
Speaker to be announced
- 11:50 – 12:00 Questions and Discussion

Concurrent Session 2B – Getting 4R Right

- 10:00 – 10:10 **Introductions**
FAR Director
- 10:10 – 10:35 4R and Soil Health Partnership
Shefali Mehta – Soil Health Partnership
- 10:35 – 11:00 4R Nutrient Stewardship and The Phytobiome
Gwyn Beattie – Iowa State University
- 11:00 – 11:25 Farmer Nutrient Management Decision Making: Three-State Case Study.
Deanna Osmond, North Carolina State University
- 11:25 – 11:50 4R and Cover Crops
Shalamar Armstrong – Purdue University
- 11:50 – 12:00 **Speaker Discussion & Questions**

Lunch

12 – 1:30

1:00 – 1:20

Lunch Speaker: Value in the Field: 4R Field Days
Brent Brueland, Environmental Tillage Systems

Concurrent Sessions

1:30 – 3:30

Concurrent Session 3A – 4R Beyond NPK – Micronutrients & Specialty Fertilizers

- 1:30 – 1:40 Introductions
Adam Herges, Mosaic
- 1:40 – 2:05 What is a Biostimulant?
Bryan Hopkins, Brigham Young University
- 2:05 – 2:30 Digging into Micronutrients: Boron
Wendall Boehlje, US Borax Inc.
- 2:30 – 2:55 Building a Full 4R Strategy with Micronutrients
- 2:55 – 3:20 Update on the Landscape of EEFs
Hunter Frame, VA Tech
- 3:20 – 3:30 **Speaker Discussion & Questions**

Concurrent Session 3B – Regional 4R Engagement (Beyond 4R Certification)

- 1:30 – 1:40 **Introductions**
Anne Cook, The Andersons
- 1:40 – 2:05 Chesapeake Bay
- 2:05 – 2:30 4R in Missouri and TSP
Adam Jones, MFA Incorporated
- 2:30 – 2:55 4R Educational Programs (4R Plus)
Kristen Faucon, Growmark
- 2:55 – 3:20 CCA Interaction – 4R Specialty Certification
Fred Vocasek, Servi-Tech Labs
- 3:20 – 3:30 **Speaker Discussion & Questions**

Networking Break

3:30 – 3:45

General Session 3

3:45 – 5:05

Taking 4R to the Farm Through Research

Clark Mica, The Fertilizer Institute
Robyn Wilson, Ohio State University
Jed Stinner, USDA-ARS Ohio
Dave Legvold, 4R Advocate, Minnesota

Adjourn

* This agenda is preliminary and will continue to change as the program is finalized.