

Proposed agenda for our event:

<b>Tuesday Sep 10 2024</b>	
<b>9:00</b>	Registration and sign-in
<b>9:30</b>	Welcome
<b>9:45</b>	Keynote Introduction: Sustainability
<b>10:45</b>	Leaving the conference to Husker Harvest Days
<b>12:15</b>	Lunch at Husker Harvest Days
<b>1:30</b>	Meet and greet with stakeholders <b>- Estimating sources, streams and quality of the current waste and nutrients</b> <b>- Evaluation of economic and technical viability, benefits to the waste producers and technology designers, acceptance of the technology on the social level (connecting conventional with emerging).</b>

<b>Wednesday Sep 11</b>	
<b>8:00</b>	Sign-in
<b>8:30</b>	<b>Panel 1: Engineering and new Fertilizer Technologies</b>
	Prof. Jonas Baltrusaitis - <b>Solid nitrogen fertilizer recovery from liquid biogenic waste: from new concepts to new technology</b>
	Dr. Vita Tilvikiene - <b>Anaerobic digestion for effective nutrient recycling – opportunities and threats</b>
	Dr. Kiran Pavuluri - <b>Optimizing Nutrient Synergy Through the Development of Organomineral Fertilizer Formulations</b>
	Dr. Treavor Boyer - <b>Implementation of urine diversion for nitrogen and phosphorus recovery</b>
<b>10:30</b>	<b>From farm to table, with a lot of science in between:</b> Special Guest Brett Reinford, Reinford Farms
<b>10:50</b>	<b>Break</b>
<b>11:15</b>	<b>Breakout session 1</b>   Small group introductions
<b>12:30</b>	Lunch
<b>1:30</b>	<b>Panel 2: Prospects and Applications on Nutrients Recovery</b>

	<p>Dr. Julia Farias - <b>Assessment of different nitrogen sources on plant development and cattle supplementation</b></p> <p>Dr. Ganga Hettiarachchi - <b>Potential of reclaimed and manufactured struvite to use as a phosphorus fertilizer in agriculture</b></p> <p>Dr. Ilya Gelfand - <b>Recycling of grey water nutrients with algal biomass for biofertilization in desert agroecosystems</b></p> <p>Dr. Ilpo Pölönen - <b>On-farm heat treatment of manure broadens the usage of manure beyond farm setting</b></p>	
<b>3:00</b>	Break	
<b>3:15</b>	<b>Breakout session 2</b>	Small group introductions
<b>4:15</b>	<b>Group review of days activities</b>	
<b>5:00</b>	Adjourn	

<b>Thursday Sep 12</b>		
<b>8:00</b>	Sign-in	
	<b>Panel 3: Risk Assessment and Fertilizer Management</b>	
<b>8:30</b>	<p>Dr. Pil Joo Kim - <b>Changes in Agricultural Nutrient Balance of OECD Countries: Causes &amp; Impacts</b></p> <p>Prof. Rebecca Muenich - <b>Nitrogen-phosphorus ratios key aspect for waste derived fertilizers</b></p> <p>Dr. Hunter Quon - <b>Microbial risks and considerations for reusing waste streams: reclaimed wastewater and biosolids in agriculture</b></p> <p>Dr. Ximeba Schmidt - <b>A Life cycle perspective of fertilizers from valorized resources</b></p>	
<b>10:30</b>	Break	
<b>11:00</b>	<b>Breakout session 3</b>	Small group introductions
<b>12:30</b>	Lunch	
<b>1:30</b>	<b>Panel 4: Mineral Nutrition, Soil Health, and Environmental Sustainability</b>	

	<p>Dr. Stephanie Kulesza - <b>Phosphorus availability of dried swine sludge products</b></p> <p>Prof. Antonio Rodríguez - <b>Improving the use efficiency of critical nutrients for agriculture and soil health in Mediterranean areas: inorganic and organic-based fertilizers.</b></p> <p>Dr. Osnat Gillor - <b>Navigating the Ripple Effects of Wastewater Irrigation on Soil Quality, Crop Health, and Environmental Sustainability</b></p> <p>Waleed Asghar - <b>Effect of co-application of Trichoderma spp. with organic composts on plant growth enhancement, soil enzymes, and fungal community in soil</b></p>	
<b>3:00</b>	Break	
<b>3:15</b>	<b>Breakout session 2</b>	Small group introductions
<b>4:15</b>	<b>Summary Discussion</b>	
<b>5:00</b>	Adjourn	