

Symposium Agenda

Conservation Tillage and Technology Conference

Healthy Soils for Healthy Waters Symposium

March 6 & 7, 2018 in Ada, Ohio

Healthy Soils for Healthy Waters and Healthy Foods

This Symposium addresses integrated and whole systems approaches to sustainable management of agricultural lands that impact U.S. waters. The objective is to optimize management for healthy soils, nutritious foods, clean water, and farm profits. There will be 900 crop consultants, producers, and subject experts in attendance at the Conservation Tillage and Technology Conference.

Healthy Soils for Healthy Waters Symposium Agenda		
		March 6 Sessions
Building Soil Health Reducing erosion, improving soil carbon, biological and physical characteristics.	8:00 – 8:30 AM	Barry Fisher, Region Soil Health Team Leader, USDA-NRCS <i>“Unlocking the Secrets of the Soil”</i>
	8:30 – 9:00 AM	Rafiq Islam with Alan Sundermeier, The Ohio State University <i>“Measuring Soil Characteristics”</i>
	9:00 – 9:30 AM	Dave Brandt, Ohio producer <i>“Building soil health and organic matter with cover crops and no-till”</i>
	9:30 – 10:15 AM	General Session – David Montgomery, University of Washington and Author of <i>“Growing a Revolution”</i>
	10:15 – 10:30 AM	Break
	10:30 – 11:30 AM	Rick Cruse, Professor, Iowa State University <i>“Economics of Erosion”</i>
Lunch	11:30 AM – 12:45 PM	Lunch
Regenerative Agriculture “Ditch the Plow, Cover Up, and Grow Diversity”	12:45 – 1:45 PM	Keynote by David Montgomery (University of Washington) with support by Dave Brandt <i>“The soil health revolution and how innovative farming practices can bring soil back to life while maintaining or improving crop yields.”</i>
	1:45 – 2:45 PM	Federal Policy – Moderated by Larry Clemens, The Nature Conservancy Panelists may include: <ul style="list-style-type: none"> • Bill Richards, former chief of the USDA-NRCS • Jim Moseley*, former Deputy Secretary, USDA • Larry Antosch, Ohio Farm Bureau

	2:45 – 3:05 PM	Break
	3:05 – 4:05 PM	Ken Curtis, Illinois Producer <i>“Managing Profitability with Sustainable and Responsible Practices”</i>
Healthy Foods Sustainable agriculture’s impact on nutrient content and quality of crops.	4:05 – 5:35 PM	Industry Panel Discussion Larry Clemens, Director of North American Agriculture Program, The Nature Conservancy <i>“The Midwest Row Crop Collaborative”</i> Marco Ugarte, Sustainability Manager, MillerCoors <i>“Purchasing sustainable barley and the sustainable supply chain”</i> Bill Knapke, Environmental Manager, Cooper Farms <i>“Reducing nutrient runoff with turkey production”</i>
March 7 Sessions		
Nutrient management Applying fertilizers in a manner to reduce excess nutrient runoff to waterways.	8:00 – 8:30 AM	John Fulton, Associate Professor, Department of Food, Agricultural and Biological Engineering, The Ohio State University <i>“Using precision agriculture and machinery to enhance production and reduce environmental risks”</i>
	8:30 – 9:00 AM	Guy Swanson, No-till Expert and Engineer, Exactrix Global Systems and Bert Bock, TKI <i>“Agricultural systems management and using a direct-injection applicator”</i>
	9:00 – 9:30 AM	Emily Duncan, Post-Doctoral Soil Scientist, USDA-ARS <i>“Application of livestock manure to soils to improve N use efficiency”</i>
	9:30 – 9:50 AM	Break
	9:50 – 10:00 AM	Sponsor announcement
	10:00 – 10:30 AM	Logan Haake, Legacy Farmers <i>“The 4Rs and sustainable farming practices”</i>
	10:30 – 11:00 AM	Tom Buman, Agren <i>“Precision agricultural tools”</i>
	11:00 – 11:30 AM	Chad Penn, Soil Scientist, National Soil Erosion Research, USDA-ARS <i>“Addressing soil test phosphorus recommendations”</i>
Lunch	11:30 – 12:45	Lunch
Healthy Water Soil health, improving infiltration, reducing runoff, and the	12:45 – 2:15 PM	Macropores – are they good or bad for soil and water quality? Are earthworms beneficial or harmful? Panelists will discuss the solutions for these (e.g. controlled drainage, timing and application methods of fertilizer). Frank Gibbs (NRCS), Doug Smith (ARS), Mark Williams (ARS), Merrin Macrae (OSU), Eileen Kladviko (Purdue)

economic benefits of reducing water consumption.	2:15 – 2:45 PM	Jim Hoorman, Soil Health Specialist, USDA-NRCS <i>“Improve soil structure, reduce compaction, and reduce nutrient runoff”</i>
	2:45 – 3:05 PM	Break
	3:05 – 3:35 PM	Eileen Kladvko, Professor of Agronomy, Purdue University <i>“Impacts of tile drainage on crop yields and nitrate losses”</i>
	3:35 – 4:05 PM	Jay Martin, Professor, Department of Food, Agricultural and Biological Engineering, The Ohio State University <i>“Best management practices to reduce nutrient loading in Ohio”</i>
Closing Thoughts	4:05 – 4:35 PM	Barry Fisher, USDA-NRCS

Presentations will be recorded and posted by the Ohio Country Journal. Media will be in attendance.

*Tentative