BUILDING SOIL HEALTH: PRACTICES, PRINCIPLES, & PROFITABILITY

A Full Day Conference for Farmers, Scientists, Extension Agents, and Ag Service Providers

October 28, 2019

AGENDA

Time	Session	Location
7:30 – 8:30	Check-In & Registration	Main Hallway
8:30 – 9:00	Welcome - Dr. Paula Agudelo, Clemson Experiment Station Director Introduction - Geoff Zehnder, Sustainable Agriculture Program Coordinator USDA SARE Program Support - Candace Pollack-Moore, Southern SARE Coordinator	Ballroom
9:05 – 10:05	**Back to The Future: A Historical Perspective on Soil Health** *Gail Fuller - Fuller Farms, Emporia, KS*	Ballroom
10:10 – 11:10	**Principles of Soil Health: Is No-till Enough?** *Nathan Lowder, NRCS Soil Health Division - USDA Natural Resource Conservation Service (NRCS)*	Ballroom
11:15 – 12:15	**Biology of Regenerative Soils** *Dr. Kris Nicols - Soil Microbiologist, KRIS Systems Education & Consultation*	Ballroom
12:15 – 1:15	LUNCH	Main Hallway
1:15 – 2:15	**Indicators: How to Evaluate Soil Health** *Dr. Ray Ward - Ward Laboratories Inc*	Ballroom
2:20 – 3:45	**Commodity Breakout Sessions:** Specific Production Strategies for Managing Soil Health in Livestock, Horticulture, & Row Crops	
	Livestock - Soil Health Practices in Livestock Operations *Panelists: Don Jackson, Gail Fuller, and Reed Edwards.* *Moderator: Nathan Lowder*	Ballroom
	Horticulture - Soil Health Practices in Horticulture Operation *Panelists: Nat Bradford, Will Metts, Nick Pettit.* *Moderator: Steve Diver*	Meeting A
	Row Crops - Soil Health Practices in Row Crop Operations Panelists: *Carl Coleman, Leon Dueck, Doug Newton, Jason Carter.* *Moderator: Gordon Mikell*	Meeting B
3:45 – 4:30	**Adaptation vs. Adoption: Dealing With the New Normal** *Loran Steinlage - FLOLOfarms, West Union, IA*	Ballroom
4:35 – 5:30	**Panel Discussion: Economics of Transitioning to Improved Soil Health Practices** *Panelists: Gail Fuller, Nathan Lowder, Kris Nicols, Ray Ward, Steve Diver, Jason Carter, Loran Steinlage, and Don Jackson. Moderator: Buz Kloot*	Ballroom
5:30	Conference Wrap-up - *Geoff Zehnder*	
5:40 – 8:00 PM	**Post Conference Networking Social** Conference attendees and speakers are invited to stay and network with one another. Heavy hors d'oeuvres, drinks and entertainment included.	Patio

We'd like to thank everyone for their participation in this event.

"Essentially all life depends on soil… there can be no life without soil and no soil without life; they have evolved together." - Dr. Charles Kellogg

Tools for Teaching Soil Health
Special Programming for Extension Agents & Ag Professionals
October 29, 2019

AGENDA

8:00 – 8:10	Welcome **-** *Dr. Tom Dobbins & Dr. Geoff Zehnder*	
8:15 – 9:45	**Communicating with Growers: Panel Discussion** *Panelists: Ray Ward, Kris Nicols, Nathan Lowder, Gail Fuller, Steve Diver, Loran Steinlage* *Moderator: Buz Kloot*	Ballroom
9:50 – 11:20	**How to Measure and Test for Soil Health: There are options!** *Presenters: Ray Ward, Buz Kloot* *Moderator: Shannon Alford*	Ballroom
11:20 – 11:40	**What tools are available?**	Ballroom
11:45 – 12:45	**LUNCH**	Main Hallway
	Hands on Activities: Techniques for In-field Assessment of Soil Health	
12:45 – 2:30	Using Web Soil Survey and SoilWeb App *(Lacy Adams)*	Meeting A
	Soil Microscopy *(Steve Diver)*	Ballroom: Corner A
	"Soil Your Undies" Demo *(Gabe Kenne)*	Ballroom: Corner B
	CO2-C Burst or Soil Respiration using Solvita Paddles *(Buz Kloot)*	Ballroom: Corner C
	Aggregate Stability Test *(Dr. Kris Nichols)*	Ballroom: Corner D
2:30 – 3:00	Travel to Nearby Clemson Student Organic Farm	
3:20 – 3:45	**Rainfall Simulator**; whole group demonstration *(Kirsten Robertson)*	Whole Group
3:45 – 4:30	**Stations on Farm -** Water Infiltration Test *(Kris Nicols)*	Station A
	Hands-On Soil Evaluation *(Gail Fuller)*	Station B
	"Walk the Field" Assessment *(Nathan Lowder)*	Station C

For more information please contact conference organizers:

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