Conservation Tillage Conference March 7 and 8, 2017.

**Chapel March 7 and 8th**

**CEUs Approved**

- Nutrient Management: 2
- Soil & Water Management: 6
- Integrated Pest Management: 2
- Crop Management: 3.5
- Professional Development: 0
- Manure Management: 0
  - Total: 13.5

**Tuesday, March 7**

**Session 1**

**Title:** Mar7, Cha - Soil Classification Changes Due to Soil Health Practices  
**Soil CEU Area:** Effect of physical, chemical and biological properties of soils on management practices  
**CEUs requested:** 0.5  
**Summary:** Don will discuss the impact management practices have on soil classification  
**Date #1:** 2017-03-07  
**Time:** 08:00 AM to 08:30 AM  
**Location:** McIntosh Center  
**Speaker(s):** Don McClure  
**Speaker Background(s):** NRCS retired

**Session 2**

**Title:** Mar7, Cha - Selecting and Managing Short Season Hybrids for Cover Crop Planting  
**Crop CEU Area:** Management techniques for row-crop, grain, forage, turf, organic, vegetable, and horticulture production systems  
**CEUs requested:** 1  
**Summary:** Peter will discuss short season crops for cover crop planting  
**Date #1:** 2017-03-07  
**Time:** 08:30 AM to 09:30 AM  
**Location:** McIntosh Center  
**Speaker(s):** Peter Thomison  
**Speaker Background(s):** agronomist Ohio State University
Session 3

Title: Mar7, Cha - Systems Approach to No Till and Soil Health
Crop CEU Area: Innovations in cropping systems management
CEUs requested: 0.5
Summary: Paul will discuss systems to manage no till production
Date #1: 2017-03-07
Time: 09:30 AM to 10:15 AM
Location: McIntosh Center
Speaker(s): Paul Jasa
Speaker Background(s): ag engineer University of Nebraska

Session 4

Title: Mar 7, Cha - Managing Vole Pests in Cover Crops
Integrated Pest CEU Area: Management of new and emerging pests or changes in pest biology
CEUs requested: 0.5
Summary: Alan will discuss vole control in cover crops
Date #1: 2017-03-07
Time: 10:30 AM to 11:00 AM
Location: McIntosh Center
Speaker(s): Alan Sundermeier
Speaker Background(s): Extension educator Ohio State University

Session 5

Title: Mar7, Cha - NRCS Soil Health Standards and Recommendations
Soil CEU Area: State and federal air and water-quality standards and regulations
CEUs requested: 0.5
Summary: Jim will discuss standards related to soil health
Date #1: 2017-03-07
Time: 11:00 AM to 11:30 AM
Location: McIntosh Center
Speaker(s): Jim Hoorman
Speaker Background(s): USDA NRCS Soil Health specialist
Session 6

Title: Mar7, Cha - Evaluating Cropping Systems with Cover Crop Resources
Crop CEU Area: Innovations in cropping systems management
CEUs requested: 0.5
Summary: Anna will discuss resources available to evaluate cover crops
Date #1: 2017-03-07
Time: 12:45 PM to 01:15 PM
Location: McIntosh Center
Speaker(s): Anna Morrow
Speaker Background(s): Midwest Cover Crop Council

Session 7

Title: Mar7, Cha - Innovative Cover Crop Interseeder Technology
Crop CEU Area: Innovations in cropping systems management
CEUs requested: 0.5
Summary: Alex and Ryan will discuss their work with an in crop cover crop seeder
Date #1: 2017-03-07
Time: 01:15 PM to 01:45 PM
Location: McIntosh Center
Speaker(s): Alex Lindsey, Ryan Hayden
Speaker Background(s): agronomist Ohio State University, soil scientist Ohio State University

Session 8

Title: Mar7, Cha - Soil Health and Cover Crop Economics
Crop CEU Area: Government programs and their effects on cropping decisions
CEUs requested: 1
Summary: Jim with farmer Rodney Rulon will discuss cover crop economics
Date #1: 2017-03-07
Time: 01:45 PM to 02:45 PM
Location: McIntosh Center
Speaker(s): Jim Hoorman
Speaker Background(s): USDA NRCS Soil health specialist
Session 9

Title: Mar7, Cha - Correcting Tillage Effects with Cover Crops
Soil CEU Area: Effects of tillage on soil and water quality
CEUs requested: 0.5
Summary: Paul will discuss using cover crops to overcome compaction problems
Date #1: 2017-03-07
Time: 03:05 PM to 03:35 PM
Location: McIntosh Center
Speaker(s): Paul Jasa
Speaker Background(s): ag engineer University of Nebraska

Session 10

Title: Mar7, Cha - Slug Management Recommendations in No Till and Cover Crops
Integrated Pest CEU Area: Evaluating climate and management factors in pest control systems
CEUs requested: 0.5
Summary: Kelley will discuss slug problems in no till and cover crops
Date #1: 2017-03-07
Time: 03:35 PM to 04:05 PM
Location: McIntosh Center
Speaker(s): Kelley Tilmon
Speaker Background(s): ag crops entomologist Ohio State University

Session 11

Title: Mar7, Cha - Novel Cover Crop Practices to Manage Soil Degradation
Soil CEU Area: Soil erosion control
CEUs requested: 1
Summary: Sarah will lead a farmer panel on discussing cover crop practices to manage soil degradation, including David Brandt and Bret Margraf
Date #1: 2017-03-07
Time: 04:05 PM to 05:05 PM
Location: McIntosh Center
Speaker(s): Sarah Noggle
Speaker Background(s): extension educator Ohio State University
Wednesday  March 8

Session 12

Title: Mar8, Cha - OSU Soil Health Initiative, Management Resources
Soil CEU Area: Effect of physical, chemical and biological properties of soils on management practices
CEUs requested: 0.5
Summary: Alan and Vinayak will discuss soil health management resources
Date #1: 2017-03-08
Time: 08:00 AM to 08:30 AM
Location: McIntosh Center
Speaker(s): Alan Sundermeier, Vinayak Shedekar
Speaker Background(s): extension educator, soil scientist Ohio State University

Session 13

Title: Mar8, Cha - Overview of Commercial Soil Health Tests
Nutrient CEU Area: Soil testing components, uses, and applications to cropping systems
CEUs requested: 0.5
Summary: Steve will discuss the availability and reliability of soil health tests
Date #1: 2017-03-08
Time: 08:30 AM to 09:00 AM
Location: McIntosh Center
Speaker(s): Steve Culman
Speaker Background(s): soil fertility specialist Ohio State University

Session 14

Title: Mar8, Cha - Soil Balance Relationships, Ca/Mg Ratios
Nutrient CEU Area: Soil testing components, uses, and applications to cropping systems
CEUs requested: 0.5
Summary: Vijay will discuss recent work on Ca/Mg ratios
Date #1: 2017-03-08
Time: 09:00 AM to 09:30 AM
Location: McIntosh Center
Speaker(s): Vijay Chaganti
Speaker Background(s): soil scientist Ohio State University
Session 15

Title: Mar8, Cha - Corn N Rates and Soil N Measurements
Nutrient CEU Area: Nutrient uptake from soil, air, and water
CEUs requested: 0.5
Summary: Steve will discuss corn N rates and soil nitrates measurements
Date #1: 2017-03-08
Time: 09:50 AM to 10:20 AM
Location: McIntosh Center
Speaker(s): Steve Culman
Speaker Background(s): soil fertility specialist Ohio State University

Session 16

Title: Mar8, Cha - OSU Soil Health Assessment Package
Soil CEU Area: Effect of physical, chemical and biological properties of soils on management practices
CEUs requested: 0.5
Summary: Rafiq will discuss soil health assessments by Ohio State University
Date #1: 2017-03-08
Time: 10:20 AM to 10:50 AM
Location: McIntosh Center
Speaker(s): Rafiq Islam
Speaker Background(s): soil scientist Ohio State University

Session 17

Title: Mar8, Cha - Beneficial Microbes and Soil-Plant Microbiomes
Soil CEU Area: Soil biological considerations
CEUs requested: 0.5
Summary: Ye will discuss soil microbes and the interactions with crops
Date #1: 2017-03-08
Time: 10:50 AM to 11:30 AM
Location: McIntosh Center
Speaker(s): Ye Xia
Speaker Background(s): soil scientist Ohio State University
Session 18

Title: Mar8, Cha - managing Soil Microbes for Soil Quality and Plant Health
Soil CEU Area: Soil biological considerations
CEUs requested: 1
Summary: Shawn will discuss impact of soil microbes on soil quality and plant health
Date #1: 2017-03-08
Time: 12:45 PM to 01:45 PM
Location: McIntosh Center
Speaker(s): Shawn Lucas
Speaker Background(s): Soil scientist University of Kentucky

Session 19

Title: Mar8, Cha - Farms and Pollinators: Why Farmers Should Care About Bees
Integrated Pest CEU Area: Effects of pesticide misuse on crops, wildlife and other non-target species or areas
CEUs requested: 1
Summary: Jonathon will discuss the value of bees
Date #1: 2017-03-08
Time: 01:45 PM to 02:45 PM
Location: McIntosh Center
Speaker(s): Jonathon Lundgren
Speaker Background(s): agroecologist Blue Dasher Farm Initiative

Session 20

Title: Mar8, Cha - Soluble Reactive Phosphorus: Sorption, Storage and Release
Nutrient CEU Area: Analysis, interpretation and uses of soil testing data
CEUs requested: 0.5
Summary: Rafiq will discuss the presence and movement of soluble reactive phosphorus
Date #1: 2017-03-08
Time: 03:05 PM to 03:35 PM
Location: McIntosh Center
Speaker(s): Rafiq Islam
Speaker Background(s): soil scientist Ohio State University
Session 21

Title: Mar8, Cha - How Cover Crop Mixtures Enhance Mycorrhizae Colonization
Soil CEU Area: Soil biological considerations
CEUs requested: 0.5
Summary: Jim and farmer Jay Brandt will discuss increasing populations in cover crops
Date #1: 2017-03-08
Time: 03:35 PM to 04:05 PM
Location: McIntosh Center
Speaker(s): Jim Hoorman
Speaker Background(s): USDA NRCS soil health specialist

Session 22

Title: Mar8, Cha - NRCS Soil Health Policy Update
Soil CEU Area: State and federal air and water-quality standards and regulations
CEUs requested: 0.5
Summary: Jim will discuss USDA soil health policy updates
Date #1: 2017-03-08
Time: 04:05 PM to 04:35 PM
Location: McIntosh Center
Speaker(s): Jim Hoorman
Speaker Background(s): USDA NRCS soil health specialist