Day 1  March 7

GENERAL SESSION  Room A, Sponsored by Farm Science Review

9:00 Welcome and Awards (Randall Reeder)
Ohio Farmer magazine: Master Farmers of the Year
Ohio Certified Crop Advisers: CCA of the Year

9:30 Keynote Speaker (Paul Jasa, Ag. Engineer, U. of Nebraska):
Systems Approach to No-till and Soil Health

10:15 Break
Chapel: Advanced Cover Crops (Alan Sundermeier and Jim Hoorman)  Sponsored by AgCredit

8:00  Soil classification changes due to soil health practices
      Don McClure, NRCS, retired
8:30  Selecting & Managing short season crop hybrids for cover crop planting
      Peter Thomison, OSU Extension Corn Specialist

9:30  General session (remote from Room A) Keynote by Paul Jasa

10:15  Break
10:30  Managing vole pests in cover crop residue
      Dave Brandt, no-till farmer; and Alan Sundermeier, OSU
11:00  NRCS soil health standards and recommendations
      Jim Hoorman, USDA-NRCS
11:30  Lunch

12:45  Evaluating Cropping systems with cover crop resources
      Anna Morrow, Midwest Cover Crop Council
1:15   Innovative cover crop interseeder technology
      Alex Lindsey, OSU; and Ryan Hayden, OSU-ATI
1:45   Soil Health and cover crop Economics
      Rodney Rulon, no-till farmer, Indiana; and Jim Hoorman, USDA-NRCS
2:45   Break
3:05   Correcting tillage effects with cover crops
      Paul Jasa, U. of Nebraska
3:35   Slug management recommendations in no-till and cover crop systems
      Kelley Tilmom, OSU Extension Entomologist
4:05   Novel cover crop practices to manage soil degradation, Farmer Panel:
      Sarah Noggle, OSU, David Brandt, and Bret Margraf
5:05   Adjourn
Room A: Corn University  (Peter Thomison)  Sponsored by DeKalb/Asgrow

10:30 Equipment Considerations for No-till Corn
    Paul Jasa, Ag. Engineer, University of Nebraska

11:30 The New Era in Weed Control
    Rod Stevenson, DeKalb/Asgrow  Xtend Crop System

12:00 Lunch

1:15 Managing Pests with Mother Nature
    Jonathan Lundgren, Agroecologist & Entomologist, Blue Dasher Farm, S. Dakota

2:15 Aiming for a Perfect Ear
    Roger Elmore, University of Nebraska

3:15 Break

3:35 Variable Rate Technology for Corn Management
    Emerson Nafziger, University of Illinois

4:35 Taking a Second Look at Narrow Row Corn
    Peter Thomison, OSU Extension Specialist

5:05 Q&A Discussion with the speakers

5:35 Adjourn
Room B: Manure Nutrient Management  (Glen Arnold & Amanda Douridas)
Sponsored By AgXplore International

Note: The General Session will be piped into this room, 9:00 to 10:15

10:30 Drag hose manure plots/OARDC plots & availability of toolbars for farmers for the 2017 crop season
Sam Custer, OSU Extension, and Glen Arnold, OSU Extension
11:30 Dairy & Beef manure plot results from 2016
Eric Richer, OSU Extension
12:00 Poultry Manure-From Farm to Field
Mike Cook, Innovative Ag Management
12:30 Lunch
1:45 Common mistakes made with livestock manure application
Kevin Elder, ODA
Eric Dresbach, WD Farms
2:45 What to expect with ODA inspections
Dan Bruner, ODA
3:15 Break
3:35 Balancing for soil nutrients when using manure
Francis Springer, ODA
4:05 Stratification of Phosphorus in the Western Lake Erie Soils & Phosphorus Loading in the Western Basin
David Baker, Heidelberg University
4:35 Nitrogen management when using livestock manure
Jim Camberato, Purdue
Room C: **Technologies to Support On-Farm Decisions**  (John Fulton)

10:30:  APPs to help with Nutrient Management in Ohio  
      Kaylee Port, OSU ■ OSU Apps, and  
      Jordan Hoewischer, Ohio Farm Bureau ■ ONMRK App

11:15:  The Implications of on-farm APPs by John Deere  
      Jay Witkop and Nathan Jenkins, John Deere

11:45:  Using technology to setup and conduct on-farm research  
      Ryan Oehler, Ag Leader Technology

12:15:  Lunch

1:30:  Tips, Tricks, Trials and Tribulations of On-Farm Nutrient Research  
      Josh McGrath, U. of Kentucky

2:30:  Setting up and conducting on-farm studies  
      Mike Hannewald, Beck’s Hybrids,

3:00:  On-farm research and data collection to support  
      Elizabeth Hawkins, OSUE

3:30:  Break

3:50:  Conducting on-farm research: setup, protocol and results  
      Steve Culman, OSU Extension Nutrient Specialist

4:20:  Identifying drainage tiles with drones  
      Rob Freeland, U. of Tennessee, and Barry Allred, USDA-ARS

5:00:  Imagery for decision making  
      Nate Taylor, AerOptic

5:30  Adjourn
Day 2    March 8

Chapel: **Quantifying soil health** (Steve Culman and Rafiq Islam)
     Sponsored by AgCredit

8:00    OSU soil health initiative, management resources
        Alan Sundermeier, OSU Ext., and Vinayak Shedekar, OSU South Centers
8:30    Overview of commercial soil health tests
        Steve Culman, OSU Soil Fertility
9:00    Soil balance relationships, Ca/Mg ratios
        Vijay Chaganti, OSU
9:30    Break
9:50    Corn N rates and soil N uptake measurements
        Steve Culman
10:20   OSU soil health assessment package
        Rafiq Islam, OSU Soil Scientist, South Centers
10:50   Beneficial microbes and soil-plant microbiomes
        Ye Xia, OSU
11:30   Lunch

12:45   The livestock under your feet: Managing soil microbes for soil quality and plant health.
        Shawn Lucas, Kentucky State U.
1:45    Farms and pollinators: why farmers should care about the bees
        Jonathan Lundgren, Agroecologist, Blue Dasher Farm Initiative, South Dakota
2:45    Break
3:05    Soluble reactive phosphorus; soil sorption, storage, and release
        Rafiq Islam, OSU
3:35    How cover crop mixtures enhance mycorrhizae colonization
        Jay Brandt, Walnut Creek Seeds; and Jim Hoorman, USDA-NRCS
4:05    NRCS soil health policy update
        Jim Hoorman, USDA-NRCS
4:35    Adjourn
Room A: Soybean School (Harold Watters)
Sponsored by Seed Consultants

“The Profitability & Economics of Soybean Production in 2017"

8:30  Does fertilizer nitrogen make high soybean yields even higher?
      Emerson Nafziger, Agronomist, University of Illinois
9:30  What inputs have the greatest ROI in a low margin year?
      Shawn P. Conley, Soybean Specialist, U. of Wisconsin
10:30 Break
10:45 Soybean vs. Corn Profitability & the Future of Midwest Crop Acres,
      Matt Roberts, Agricultural Economist, KernMantle Group
11:45 Lunch

1:00  Weed Management for Soybeans in 2017
      Mark Loux, OSU Weed Scientist
2:00  Soybean Profitability: Autopilot or Manual Drive
      Shaun Casteel, Soybean Agronomist, Purdue U.
3:00  Break
3:20  What's Holding You Back From High Yielding Soybeans?
      Laura Lindsey, Soybean Specialist, OSU
4:20  Adjourn
Room B:

**Conducting On farm Research: Does it Really Work?**
(half day); (Curtis Young and Bruce Clevenger)

8:00  The nuts and bolts of on-farm research on N rates and plant population.
      Jim Camberato, Purdue

9:00  Sorting through the Numbers: Science versus Sales?
      Elizabeth Hawkins, OSU

10:00 Break

10:20 On-farm research: Follow the K.I.S.S. rule
      Curtis Young, OSU

10:50 Conducting on-farm research: setup, protocol and results
      Steve Culman, OSU Extension Nutrient Specialist

12:00 Lunch

**Transitioning to No-till**

1:15 Transitioning to no-till: Farmer/CCA Panel
      Dave Brandt, Bill Richards, Bret Margraf, Bill Lehmkuhl

2:45  Weed management and weed population changes when transitioning from
     conventional tillage to no-till
     Jeff Stachler, OSU

3:15  Break

3:35  Changes in insect issues in no-till
      Curtis Young, OSU

4:05  Fertility management from conventional tillage to no-till
      Ed Lentz, OSU

4:35  Adjourn
Room C: Conservation Assessment and Planning (Greg LaBarge and Jocelyn Henderson)  Sponsored by The Nature Conservancy

8:30  Results of Edge of Field Research
    Kevin King, USDA-ARS
9:00  Benefits of Drainage Water Management
    Lindsay Pease, USDA-ARS
9:30  Phosphorous movement as it relates to soil stratification
    Emily Duncan, USDA-ARS
10:00 Tile Mapping with UAVs
    Barry Allred, USDA-ARS
10:30 Break
10:50 Providing NRCS Planning Service as an Independent Contractor, the TSP program
    Eric Schwab, USDA-NRCS
11:20 What the Revised P index will look like
    Libby Dayton, OSU
11:50 Using an NMP to identify practice priorities
    Greg LaBarge, OSU
12:20 Lunch
1:30 Conservation Best Management Practices
    Justin McBride, ODA
2:00 Conservation Assistance Programs
    Megan Burgess, USDA-NRCS
2:30 Using Ag Solvers Profit Zone Manager to focus on Conservation
    Michael Retterer, Pheasants Forever
3:00 Break
3:20 Nutrient Application Regulations: Focusing on SB1 and SB 150
    Jocelyn Henderson and Kip Studer, ODA-DSWC
4:20 Adjourn