# Conservation Tillage Technology Conf.

## Thursday March 3rd

**Thursday, MARCH 3, 2016**  (four concurrent sessions)

<table>
<thead>
<tr>
<th>Time</th>
<th>Area</th>
<th>Request</th>
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<tbody>
<tr>
<td>**Room A</td>
<td>Soybean School**</td>
<td>Sponsored by Seed Consultants</td>
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<td>Moderator: Harold Watters.</td>
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<tr>
<td>8:30</td>
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<td>Ohio Soybean Limitation Survey Results</td>
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<td>Aaron Brooker, OSU Hort &amp; Crop Science</td>
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<td>9:30</td>
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<td>Managing Weeds in Soybeans</td>
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<td>Christy Sprague, Michigan State University Weed Scientist</td>
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<td>10:30</td>
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<td>Break</td>
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<td>10:45</td>
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<td>Soybean Fertility Management</td>
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<td>Kurt Steinke, Michigan State University Soil Fertility Specialist</td>
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<td>11:45</td>
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<td>Lunch</td>
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<td>1:00</td>
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<td>Managing Soybean Insects</td>
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<td>Andy Michel, OSU</td>
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<td>2:00</td>
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<td>The Future of Soybean Breeding</td>
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<td>Reid Rice, Pioneer</td>
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<td>3:00</td>
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<td>Break</td>
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<td>3:20</td>
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<td>Top 10 ways to improve yield, without breaking the bank</td>
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<td>Harold Watters, OSU Extension</td>
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<td>4:20</td>
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<td>Adjourn</td>
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Room B  Nutrient Management
  Moderators: Glen Arnold, Amanda Douridas,

  8:00 Do V15 Nitrogen applications increase N efficiency in Corn?
  Greg LaBarge, OSU Extension
  0.5  NM

  8:30 Update on Drag-Hose Manure Application to Corn
  Glen Arnold, OSU Extension
  0.5  NM

  9:00 Ohio Senate Bill 1 Rules for Manure and Fertilizer
  Kevin Elder, Ohio Department of Agriculture
  0.5  SW

  9:30 Edge of Field Results from a Very Wet Season
  Kevin King, USDA-ARS
  0.5  SW

  10:10 Break

  10:30 Movement of Phosphorus and Nitrogen from Farm Fields
  Matt Williams, USDA-ARS
  0.5  SW

  11:00 Nitrogen Fertilizer, Economics and Efficiencies
  Brian Arnall, Extension Agronomist, Oklahoma State University
  1    NM

  12:00 Lunch

  1:15 Drainage Management – Keeping Nutrients in the Root Zone with Best
  Management Practices
  Shelby Burlew, Michigan State University Extension, Hillsdale, MI
  0.5  SW

  1:45 What 4R Information Dealers Need From Farmers
  Steve Prochaska, OSU Extension (retired)
  0.5  SW

  2:15 Yield Results for Premium Starter Fertilizers in Corn
  Ed Lentz, OSU Extension
  0.5  NM

  2:45 New Manure App for Your Smart Phone
  John Barker, OSU Extension
  0.5  NM

  3:35 Two years of on-farm fertilizer strip-trials
  Anthony Fulford, OSU-OARDC, Soil Fertility
  0.5  NM

  4:05 Release of Phosphorus from Soils through the Application of Glyphosate
  Christopher Spiese, Chemistry professor, Ohio Northern University
  0.5  NM
Room C  Technology and Equipment  Sponsored by John Deere  
Moderator: Scott Shearer, Chair, Food, Ag, and Biological Engineering, OSU. (Assistants: John Fulton and Vinayak Shedecker)

8:30  Site specific Crop Residue removal to maintain Soil Health  0.5  CM  
Ajay Shah, OSU Ag. Engineer

9:00  New (and old) Technologies for N Decisions  0.5  NM  
Brian Arnall, Extension Agronomist, Oklahoma State U.

9:30  Improving Planter Performance  1  CM  
Bill Lehmkuhl, Precision Agri-Services

10:30  Break

10:50  Big machinery getting bigger: concerns for Soil Health  0.5  CM  
Scott Shearer, Chair, OSU Food, Ag., and Biological Engineering Dept.

11:30  Lunch

1:15  Soil Compaction: Tracks vs. Tires on 1000+ bu. Grain Carts  1  CM  
Andrew Klopfenstein, OSU Ag. Engineer

2:15  Getting on Track  0.5  CM  
Jay Witkop and Nathan Jenkins, John Deere

2:45  Break

3:00  New, improved tire designs  1  CM  
Brad Harris, Ag. Engineer, Firestone

3:50  Variable Inflation for optimum field and highway performance  0.5  CM  
Sally Brodbeck, Precision Inflation, Des Moines, Iowa

4:20  Adjourn
### CHAPEL  **Advanced Cover Crops** Sponsored by Ag Credit
Moderators: Jim Hoorman, 

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<tr>
<th>Time</th>
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| 8:00  | Cropping Diversity Improves No-till Soil Quality, Crop Productivity, and Water Quality  
Rafiq Islam, OSU, Soil Scientist | 0.5          | CM   |
| 8:30  | Advanced Cover Crops for Corn and Soybeans to Improve Water Quality  
Barry Fisher, USDA-NRCS | 0.5          | CM   |
| 9:00  | Current Cover Crops for Improving Water Quality  
Steve Groff, Cover Crop Solutions, Holtwood, PA | 0.5          | CM   |
| 9:30  | Break                                                                   |              |      |
| 9:50  | Future Cover Crops for Improving Water Quality  
Steve Groff, Cover Crop Solutions, Holtwood, PA | 0.5          | CM   |
| 10:20 | Penn State U. Inter-seeder to Improve Water Quality  
Greg Roth, Penn State University, Agronomist |              |      |
| 11:30 | Lunch                                                                   |              |      |
| 12:45 | Integrated Soil Health Testing: Making Sense of Nitrogen to Improve Water Quality  
Will Brinton, President of Woods End Laboratories, Inc. / Solvita | 1            | SW   |
| 1:45  | Enhancing Soil Mycorrhizal Fungus to retain nutrients and improve water quality  
Wendy Taheri, Research Microbiologist, USDA-ARS (previously) | 1            | SW   |
| 2:45  | Break                                                                   |              |      |
| 3:05  | Cover crop, panel discussion  
Jim Hoorman, OSU Extension; David Brandt and Steve Groff, no-till farmers | 1            | CM   |
| 4:05  | Utilizing and Improving Soil Carbon to Improve Water Quality  
Will Brinton, President of Woods End Laboratories, Inc. / Solvita | 0.5          | SW   |
| 4:35  | Selecting the Best Cover Crops to Improve Water Quality  
Sarah Noggle, OSU Extension | 0.5          | SW   |
| 5:05  | Adjourn                                                                 |              |      |