

# ORGANIC AGRICULTURE RESEARCH SYMPOSIUM

**Wednesday, January 25th**

**8:00 – 8:30 am**

*Welcome & Introductions*

Diana Jerkins, Research Program Director, OFRF

Joanna Ory, Research Program Associate, OFRF

**8:30 – 9:45 am**

**Session 1: Soil Health**

**Moderator: Diana Jerkins, OFRF**

*The Potential of Soil Health Building Management Strategies to Improve Resilience and Sustainability of Organic Processing Tomato in California*

Anna Azimi, University of California, Davis

*Can Locally Derived Effective Microorganisms Improve Organic Broiler Litter Compost?*

Kishan Mahmud, University of Georgia

*Rethinking P and K Fertility in Coastal Plain Soils*

Robin Kloot, University of South Carolina

**9:45 – 10:15 am**

**Break & Poster Viewing**

**10:15 – 11:45 am**

**Session 2: Pest Management**

**Moderator: Doug Crabtree, OFRF**

*Advances in Biological Control Methods for Control of Key Orchard Pests in the Southeastern U.S.*

David Shapiro, USDA Agricultural Research Service

*A New Approach for Successful Organic Peach Production*

Jane Allran, Clemson University

*Shade-cloth Based Permanent Pest Exclusion System for High Tunnel Vegetable Producers*

Ayanava Majumdar, Auburn University

*Minimum Risk Pesticides for Organic Farmers*

Brian Baker, Cornell University

**11:45 – 1:15 pm**

**Lunch**

**1:15– 2:30 pm**

**Session 3: Biodegradable Mulches**

**Moderator: John Snyder, University of Kentucky**

*Life Cycle of Biodegradable Plastic Mulches for Specialty Crop Production*

Douglas Hayes, University of Tennessee, Knoxville

*Suitability of Biodegradable Plastic Mulches for Organic and Sustainable Agriculture*

Shuresh Ghimire, Washington State University

*Where the Rubber Meets the Road: Can Biodegradable Mulches Produce Comparable Yields to Black Plastic Mulch for Pumpkin?*

Annette Wszelaki, University of Tennessee, Knoxville

*Impact of Biodegradable Plastic Mulches on Soil Quality and Ecology*

Jennifer DeBruyn, University of Tennessee, Knoxville

**2:30 – 3:45 pm**

**Session 4: Organic Farming Systems**

**Moderator: Michael Stein, OFRF**

*Fall Season High Tunnel Production Effects of Warm Season and Cool Season Crops with Row Covers*

Krystal Conway, Kentucky State University

*Optimizing No-till Cover Crop Management for Organic Vegetable Production*

David Robb, Clemson University

*Effect of Planting Time and Use of Biologically-Based Products on Germination and Survival of the Organic Sweet Corn ‘Luscious’ at Lincoln University’s Alan T. Busby Certified Organic Farm*

Mersha Zelalem, Lincoln University

**3:45 – 4:30 pm**

**Session 5: Poster Viewing**

**Olabisi Alamu, Nigerian National Centre for Genetic Resources and Biotechnology (NACGRAB)**

*Local Knowledge Development in Organic Agriculture Practices in Nigeria*

**Christina Bavougian, University of Nebraska-Lincoln**

*Winter Wheat and Cover Crops in Organic Rotations in the Western Corn Belt*

**David Douds, USDA Agricultural Research Service**

*On-farm Production and Utilization of Arbuscular Mycorrhizal Fungus Inoculum*

**Amanda McWhirt, University of Arkansas**

*Extending the Market Season with High Tunnel Technology for Organic Fruit Production*

**Shuresh Ghimire, Washington State University**

*Is Soil Sampling with a Soil Core an Accurate Method to Specify the Amount of Mulch Remaining in the Field?*

**Aspen Hattabaugh, University of Georgia**

*Increasing Plant-available Phosphorus through Effective Microorganism Treatment*

**Ali Locker and Karen McSwain, Organic IPM Working Group**

*Organic IPM Working Group Poster*

**Laura Ney, University of Georgia**

*Using Local Effective Microorganisms to Improve Nutrient Use Efficiency of Organic Amendments*

**Joanna Ory, Organic Farming Research Foundation (OFRF)**

*2016 National Organic Research Agenda*

**Ricardo St. Aime, Clemson University**

*Cover Crop Influence on Stored Soil Water Availability to Subsequent Crops*

**Dahal Subash, University of Georgia**

*Strategic-Rotational Grazing in Beef-Pastures for Improving Sustainability as Measured by Soil Health and Forage Productivity*

**Xiong Xi, University of Missouri**

*Performance Evaluation of Five Sweet Potato Cultivars in North Central Missouri*

**4:30 – 6:00 pm**

**Session 6: Social Science**

**Moderator: Brian Baker, Cornell University**

***Parallels in the Raw Milk and Organic Agriculture Movements***

Joseph Heckman, Rutgers University

***The Nature of Spatial Externalities in the Decision to Adopt Organic Production Systems***

Timothy Delbridge, Cal Poly State University

***The Changing Geography of U.S. Organic Production***

Maria Bowman, USDA Economic Research Service

***Adoption of Industrial Hemp by Organic Farmers in Indiana: An Agronomic and Social Perspective***

Leah Sandler, Purdue University

## **Thursday, January 26th**

**8:00 – 9:10 am**

**Session 7: Organic Crop Breeding**

**Moderator: Marion Simon, Kentucky State University**

*The Effect of Sowing Density on Biomass Production of Autumn Sown Fava Bean and Lupin: Opportunities for improvement via Selection*

Erik Landry, USDA Agricultural Research Service

*Conventional Breeding (non-GMO) of Tomatoes for Insect Resistance*

John Snyder, University of Kentucky

*Improving Plant Genetics for Soil Health and Organic Production*

Mark Schonbeck, Organic Farming Research Foundation

**9:10 – 10: 30 am**

**Session 8: Organic Economic Trends**

**Moderator: Brian Baker, Cornell University**

*Understanding Organic Feed Grains Prices*

Gustavo Ferreira, USDA Economic Research Service

*Using Census Data to Analyze the Relative Resiliency of Organic and Conventional Wheat*

Carolyn Dimitri, New York University

*Motivations and Challenges of Farmer Transition to Organic Farming: United States and Oregon Studies*

Garry Stephenson and Lauren Gwin, Oregon State University

**10:30 – 11:00 am**

**Evaluation, Discussion, and Closing Remarks**

**THANK YOU FOR ATTENDING THE  
2017 ORGANIC AGRICULTURE RESEARCH SYMPOSIUM!**

*For full abstracts of the presentations, please visit: [ofrf.org/oars2017](http://ofrf.org/oars2017)*

