

## DRAFT SCHEDULE - NORTH AMERICAN AGROFORESTRY CONFERENCE – Updated 05/31/19

If you have any questions about the program, please contact Kate MacFarland at [katherine.macfarland@usda.gov](mailto:katherine.macfarland@usda.gov)

### MONDAY, JUNE 24

|              |  |                 |
|--------------|--|-----------------|
| 12:00-4:00pm | Pre-Conference Field Tour (optional, separate registration required) |                 |
| 4:00-6:30pm  | Registration Open  | Richardson Hall |
| 5:00-6:30pm  | Welcome Reception  | Richardson Hall |
| 6:30pm       | Dinner on Your Own   |                 |

### TUESDAY, JUNE 25

|             |  |                   |
|-------------|--|-------------------|
| 7:00-9:00am | Breakfast on Your Own and Registration |                   |
| 8:00am      | Vans Depart for Tour 1                 | Hilton Garden Inn |
| 9:00am      | Vans Depart for Tour 2                 | Hilton Garden Inn |
| 12:00pm     | Boxed Lunch                            |                   |
| 5:00pm      | Reception and Dinner at Tyee Winery    | Tyee Winery       |

### WEDNESDAY, JUNE 26

|              |  |                                |
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| 7:30-8:30am  | Breakfast and Registration   | CH2M Hill Alumni Center        |
| 8:30-8:45am  | <b>Welcome</b><br>Anthony Davis. <i>Interim Dean, College of Forestry</i><br>Badege Bishaw. <i>AFTA Conference Chair</i> | Cascade Ballroom               |
| 8:45-9:30am  | <b>Keynote</b>   | Cascade Ballroom               |
| 9:30-9:45am  | <b>Coffee Break</b>  |                                |
| 9:45-10:45am | <b>Concurrent Session 1</b>  |                                |
|              | <b>Track</b>   |                                |
|              | <b>Speaker 1 – 9:45-10:05</b>  | <b>Speaker 2 – 10:05-10:25</b> |
|              |  | <b>Speaker 3 – 10:25-10:45</b> |
|              |  | <b>Room</b>                    |

|  |  |  |   |        |
|--|--|--|---|--------|
| <i>Accessing Resources, Accessing Markets, and Managing Risk</i> | Panel Discussion<br>Title: USDA Resources for Implementation<br>Lauren Cartwright, Heather Tritt, Donna Sprenkle, Susan Stein, and Timothy O'Connell, moderated by Matthew Smith                                     |  |   | Room A |
| <i>Advances in Technology Applications</i>                       | Roundtable Discussion<br>Title: Bio-Regional Agroforestry Suitability Analysis: Using GIS to assess, inventory, and locate the appropriate implementation of tree crops and agroforestry systems.<br>Russell Wallack |  |   | Room B |
| <i>Environmental Benefits</i>                                    | Panel Discussion<br>Title: Supporting Pacific Northwest Agriculture with Beneficial Insects and Agroforestry<br>Mace Vaughan, Gary Bentrup, Bart Lawrence  |  |   | Room C |
| <i>Specialty Forest Products</i>                                 | Facilitated Discussion<br>Title: The future of forest farming: What is it and who will do it?<br>Eric Burkhart and John Munsell  |  |   | Room D |
| <i>Climate Change</i>  | Panel Discussion*<br>Title: Evidence based Agroforestry Approaches for Enhancing Climate Smart Agricultural Production and Resilient Ecosystems<br>Kiros Hadgu, Badege Bishaw, Miyuki Iiyama                         |  |   | Room E |
| <i>Adoption, Implementation, and Evaluation</i>                  | Speaker: Mick O'Neill<br>Title: New Agroforestry Working Group in the American Southwest   | Speaker: Jono Neiger<br>Title: Chestnut Agroforestry in New England: Regional Initiative, Case Studies, and Gap Analysis | Speaker: Tom Sauer<br>Possibilities: The map that guided the audacious 1930's Prairie States Forestry Project | Room F |
| <b>10:45–11:00am</b>   | <b>Break</b>   |  |   |        |

| <b>11:00am–12:00pm</b>   | <b>Concurrent Session 2</b>  |   |   |             |
|--|--|---|---|-------------|
| <b>Track</b>   | <b>Speaker 1 – 11:00-11:20</b>   | <b>Speaker 2 – 11:20-11:40</b>  | <b>Speaker 3 – 11:40-12:00</b>  | <b>Room</b> |
| <i>Accessing Resources, Accessing Markets, and Managing Risk</i> | Speaker: Sophie Mendelson<br>Title: Leveraging terroir in North American agroforestry foodways | Speaker: Dean Current<br>Title: Energy Bars, Beer and Super Foods: A method for, and case of, exploring markets for a non-timber forest product | Speaker: Lila Karki<br>Title: Woodland Grazing for Minimizing the Costs of Raising Small Ruminants in the Southeast | Room A      |

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| <i>Advances in Technology Applications</i>                       | Speaker: Todd Kellerman<br>Title: Mapping tree resources in the Great Plains using high-resolution imagery  | Speaker: Phillip Ray Owens<br>Title: Digital soil mapping to predict management zones for forage and tree production             | Speaker: Maria Rosa Mosquera Losada<br>Title: Recommendations for policy makers in light of climate change             | Room B      |
| <i>Environmental Benefits</i>                                    | Speaker: Colin Mitchell<br>Title: Agroforestry Pathways to Enhanced Ecosystem Services & Producer Payments for a Healthier Environment  | Speaker: Maayan Kreitzman<br>Title: Environmental and Food Production Outcomes of Woody Perennial Polycultures in the US Midwest | Speaker: Laura Poppy<br>Title: Field Boundary Habitats - Their Role in the Health & Productivity of the Agro-Ecosystem | Room C      |
| <i>Specialty Forest Products</i>                                 | Panel Discussion<br>Title: What do we know about specialty forest products? Lessons from the Assessment of nontimber forest products in the United States under Changing Conditions<br>Toral Patel-Weynand, Susan Alexander, Frank Lake, and Gregory Ormsby Mori moderated by Marla Emery |  |  | Room D      |
| <i>Climate Change</i>  | Demonstration<br>Title: FoodPlaces: A platform for creating productive landscapes in public and civic spaces<br>Mario Yanez   |  |  | Room E      |
| <i>Adoption, Implementation, and Evaluation</i>                  | Speaker: Adam Beck<br>Title: Projecting agroforestry nutrient trading in Virginia, U.S.A. using landowner surveys and BayFAST models  | Speaker: Kate MacFarland<br>Title: Multi-party arrangements: innovative land and capital partnerships for agroforestry           | Speaker: Sarah Taylor Lovell<br>Title: A Landscape Level Perspective for Agroforestry Planning                         | Room F      |
| <b>12:00–1:15pm</b>  | <b>Lunch</b>  |  |  |             |
| <b>1:15pm–2:15pm</b>   | <b>Concurrent Session 3</b>   |  |  |             |
| <b>Track</b>   | <b>Speaker 1 – 1:15-1:35</b>  | <b>Speaker 2 – 1:35-1:55</b>   | <b>Speaker 3 – 1:55-2:15</b>   | <b>Room</b> |
| <i>Accessing Resources, Accessing Markets, and Managing Risk</i> | Panel Discussion<br>Title: USDA Resources for Agroforestry Research<br>Kate MacFarland, Sarah Taylor Lovell, John Fike, Nicholas Andrews and moderated by Matthew Smith   |  |  | Room A      |
| <i>Advances in Technology Applications</i>                       | Speaker: Adolfo Rosati<br>Title: Agroforestry models overestimate photosynthesis of understory crops  | Speaker: Kevin Wolz<br>Title: Calibration of the 3D Hi-sAFe agroforestry model for hybrid walnut                                 | Speaker: Chad W Higgins<br>Title: Potential for agrivoltaics and an 'energy canopy'                                    | Room B      |

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| <i>Environmental Benefits</i>                                    | Speaker: Tom Sauer<br>Title: Effect of red cedar windbreaks on soil physical properties in the U.S. Great Plains   | Speaker: Francis Dube<br>Title: Sustainable silvopastoral systems in an over-mature, degraded Nothofagus forest of the Andes of southwestern South America and its influence on soil quality |   | Room C      |
| <i>Specialty Forest Products</i>                                 | Speaker: Tiffany Hopkins<br>Title: Pacific Northwest NTFP Production and how local woodland coop is helping producers break through market barriers  | Speaker: Katie Commender<br>Title: The Appalachian Harvest Herb Hub - Successes and Challenges   | Speaker: Eric Burkhart<br>Title: Neither wild nor cultivated: American ginseng ( <i>Panax quinquefolius L.</i> ) trade surveys in Pennsylvania, U.S.A., provide insights into husbandry of an internationally traded non-timber forest product. | Room D      |
|  |  |  |   | Room E      |
| <i>Adoption, Implementation, and Evaluation</i>                  | Speaker: Dean Current<br>Title: Determining landowner knowledge, attitudes and practices related to adoption of snow control measures  | Speaker: Dean Current<br>Title: Determining landowner knowledge, attitudes and practices related to adoption of snow control measures  | Speaker: Andy Perleberg<br>Title: 15-Year Survival and Growth Review of the Davenport Living Snow Fence Demonstration in Washington State   | Room F      |
| <b>2:15–2:30pm</b>   | <b>Coffee Break</b>  |  |   |             |
| <b>2:30–3:30pm</b>   | <b>Concurrent Session 4</b>  |  |   |             |
| <b>Track</b>   | <b>Speaker 1 – 2:30-2:50</b>   | <b>Speaker 2 – 2:50-3:10</b>   | <b>Speaker 3 – 3:10-3:30</b>  | <b>Room</b> |
| <i>Accessing Resources, Accessing Markets, and Managing Risk</i> | Panel Discussion<br>Title: Agroforestry costs and benefits: Information sharing and collaboration<br>Sarah Taylor Lovell, Kevin Wolz, Tracey Coulter, John Hendrickson moderated by Gary Bentrup |  |   | Room A      |
| <i>Advances in Technology Applications</i>                       | Speaker: Alonso Ulloa Leiton<br>Title: Analysis of the structure, morphology and chemical composition of the prickly pear spine to determine its potential uses.                                 | Speaker: Khanh-Van Ho<br>Title: Anti-inflammatory properties of black walnut ( <i>Juglans nigra</i> ) extracts in human pro-monocytic cell line U-937  | Speaker: Rosa Garcia-Nuñez<br>Title: Trees and Shrubs of Multiple Uses in the Southeast of Guanajuato: Mezquites and Huizaches  | Room B      |

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| <i>Education, Outreach, and Community Engagement</i>             | Speaker: Mike Gold<br>Title: Tracing 35 Years of Agroforestry Development in the USA: Past, Present, Future                                   | Speaker: Adolfo Rosati<br>Title: Updates from the European Agroforestry Federation (EURAF)  |  | Room C      |
| <i>Specialty Forest Products</i>                                 | Speaker: Andy Perleberg<br>Title: Dangers you ought to be aware of while working in the forest  | Speaker: Gary Wyatt<br>Title: Food Forests - Building Edible Community Landscapes   |  | Room D      |
| <i>Adoption, Implementation, and Evaluation</i>                  | Speaker: Rowan Reid<br>Title: 25 years on: Australian farmers validate an alternative model for agroforestry development                      | Speaker: Sonia Bruck<br>Title: Results of the Pre-Test Assessing Adoption of Agroforestry in West Tanzania  | Speaker: Maria Edna Alvarez-Sanchez<br>Title: Integrative Agroforestry in a Community of the Sierra Madre Oriental   | Room F      |
| <b>3:30–3:45pm</b>   | <b>Break</b>  |   |  |             |
| <b>3:45–4:45pm</b>   | <b>Concurrent Session 5</b>   |   |  |             |
| <b>Track</b>   | <b>Speaker 1 – 3:45-4:05</b>  | <b>Speaker 2 – 4:05-4:25</b>  | <b>Speaker 3 – 4:25-4:45</b>   | <b>Room</b> |
| <i>Accessing Resources, Accessing Markets, and Managing Risk</i> | Speaker: Caroline Simard<br>Title: Private and societal values of agroforestry systems in southern Quebec: how to enhance voluntary adoption? | Speaker: Susan Stein<br>Title: Opportunities and Recommendations for Enhancing Agroforestry Economics   |  | Room A      |
| <i>Production Science</i>  | Speaker: Gregory Ormsby Mori<br>Title: Agroforestry Specialty Crop Development for the Midwest  | Speaker: James Allen<br>Title: Food Forests in Cities and Smaller Communities of the American Southwest   | Speaker: Shailes Bhattarai<br>Title: Vegetation Height and Diurnal Period Influenced the Behaviors and Distribution Patterns of Small Ruminants in Woodlands During Fall | Room B      |
| <i>Education, Outreach, and Community Engagement</i>             | Speaker: Mark Kopecky<br>Title: Stimulating interest in silvopasture among farmer-members of an organic farm marketing cooperative            | Speaker: Jerome Osentowski<br>Title: Indoor and Outdoor Forest Farming for Year-Round Food and Medicine Production, Carbon Sequestration, Soil-Building, and Climate Change Mitigation. |  | Room C      |

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| <i>Specialty Forest Products</i>                |   | Speaker: Teal Jordan<br>Title: Phytochemical Changes in Ramps ( <i>Allium tricoccum</i> ) Across Seasonal and Reproductive Development                         | Speaker: Eric Burkhart<br>Title: Agroforestry and forest herbs: the effect of harvest time and forest site on alkaloid content in forest grown goldenseal ( <i>Hydrastis canadensis L.</i> ). | Room D           |
| <i>Climate Change</i>                           | Speaker: Steve Gabriel<br>Title: Tree Fodders: Silvopasture for a Changing Climate  | Speaker: Ryan Dibala<br>Title: Initial Performance of Red Mulberry ( <i>Morus rubra</i> ) Along a Shade Gradient: An Overlooked Supplemental Livestock Forage? |   | Room E           |
| <i>Adoption, Implementation, and Evaluation</i> | Panel Discussion<br>Title: Advancing Agroforestry through the Private Sector: Agroforestry Consultants and Beyond<br>Shane Hetzler, Jude Hobbs, Connor Stedman moderated by Kate MacFarland |  |   | Room F           |
| <b>4:45-5:30pm</b>                              | <b>All-hands AFTA Business Meeting</b>  |  |   | Cascade Ballroom |
| <b>5:00-7:00pm</b>                              | <b>Poster Presentation and Reception</b>  |  |   | Alumni Center    |
| <b>7:00 pm</b>                                  | <b>Dinner on your own</b>   |  |   |                  |

**THURSDAY, JUNE 27**

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| <b>7:30–8:30am</b>   | <b>Continental Breakfast</b>   |   |   | Cascade Ballroom |
| <b>8:30–9:15am</b>   | <b>Keynote</b>   |   |   | Cascade Ballroom |
| <b>9:15–9:30am</b>   | <b>Coffee Break</b>  |   |   |                  |
| <b>9:30–10:30am</b>  | <b>Concurrent Sessions 6</b>   |   |   |                  |
| <b>Track</b>   | <b>Speaker 1 – 9:30-9:50</b>   | <b>Speaker 2 – 9:50-10:10</b>   | <b>Speaker 3 – 10:10-10:30</b>  | <b>Room</b>      |
| <i>Accessing Resources, Accessing Markets, and Managing Risk</i> | Panel Discussion<br>Title: Land access for agroforestry: examples and case studies<br>Katie Commender, Erik Hagan, Kevin Wolz moderated by Kate MacFarland |   |   | Room A           |
| <i>Production Science</i>  | Speaker: Uma Karki<br>Title: Southern Pines Performed Better in Silvopastures than in Woodland Grazing System  | Speaker: Gary Wyatt<br>Title: Vegetative Windbreaks for Poultry Farms | Speaker: Matt Dami<br>Title: Syntropy in Practice: Managing Succession Dynamics to Produce Quality Food, Draw Down Carbon, and Generate Sustainable Livelihoods | Room B           |

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| <i>Adoption, Implementation, and Evaluation</i>                  | Speaker: Diomy Zamora<br>Title: Silvopasture as an approach to restoring productivity of unmanaged woodland grazing in Minnesota   | Speaker: Diane Mayerfeld<br>Title: Animal welfare benefits and production challenges in silvopasture  | Speaker: Philadelphia Wilkens<br>Title: How and why might livestock producers in Virginia, U.S.A. adopt silvopasture? | Room C      |
| <i>Policy in Practice</i>  | Speaker: Sarah Coffey<br>Title: Edible Green Infrastructure in the Mid-Atlantic: Policy Approaches and Drivers at the Municipal Level  | Speaker: Colleen Rossier<br>Title: How can integrating Western and indigenous agroforestry science, and practice, and management enhance both ecological and socio-ecological resilience? |   | Room D      |
| <i>Climate Change</i>  | Panel Discussion<br>Title: Agroforestry Plant Materials for a Changing Climate<br>Sonja Brodt, Mike Gold, Matt Smith, Ron Revord moderated by Gary Bentrup   |   |   | Room E      |
|  |  |   |   | Room F      |
| <b>10:30–10:45am</b>   | <b>Break</b>   |   |   |             |
| <b>10:45–11:45am</b>   | <b>Concurrent Sessions 7</b>   |   |   |             |
| <b>Track</b>   | <b>Speaker 1 – 10:45-11:05</b>   | <b>Speaker 2 – 11:05-11:25</b>  | <b>Speaker 3 – 11:25-11:45</b>  | <b>Room</b> |
| <i>Accessing Resources, Accessing Markets, and Managing Risk</i> | Panel Discussion<br>Title: Public Private Partnerships in developing Cooperative Marketing Opportunities for Enhancing Chestnut ( <i>Castanea</i> spp.) Production and Conservation: A Pennsylvania example.<br>Erik Hagan, Tracey Coulter, Steve Hoy, Kate MacFarland |   |   | Room A      |
| <i>Production Science</i>  | Speaker: Alan Franzluebbbers<br>Title: Silvopasture production characteristics in the Coastal Plain of North Carolina  | Speaker: Mounir Louhaichi<br>Title: Silvopastoral Systems and Climate Change Mitigation in Central Tunisia  |   | Room B      |
| <i>Education, Outreach, and Community Engagement</i>             | Roundtable Discussion<br>Title: Indigenous Partnerships for Agroforestry Research and Application: Initiating a Decolonized Process<br>Frank Lake, Colleen Rossier, and Rowen White, facilitated by Hannah Hemmelgarn  |   |   | Room C      |
| <i>Policy in Practice</i>  | Speaker: Sarah Brown<br>Title: A systematic map of evidence on the impacts of agroforestry interventions in temperate countries  | Speaker: Gregory Ormsby Mori<br>Title: Agroforestry Policy Development in the USA   | Speaker: Rico Hübner<br>Title: The agroforestry governance nexus: an exploratory assessment in Germany and Europe     | Room D      |

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|   |  |  |  | Room E           |
| <i>Adoption, Implementation, and Evaluation</i> | Roundtable Discussion<br>Title: Silvopasture: How can we get farmers to plant more trees?<br>Steve Gabriel   |  |  | Room F           |
| <b>11:45am-12:00pm</b>                          | <b>Closing Remarks</b>   |  |  | Cascade Ballroom |
| <b>1:00pm</b>                                   | <b>Working Groups and Regional Meetings (open to all)</b><br>Starting with a brief plenary session sharing perspectives on working at a regional scale, join others in your region to learn who else is involved with agroforestry and discuss opportunities, challenges, projects, and partnerships in your area.<br><br><b>Regional Meetings</b><br>Northeast/Mid-Atlantic<br>Southeast<br>Midwest<br>Great Plains<br>Pacific Northwest<br>Southwest<br><br><b>Group Meetings</b><br>American Forest Farming Council<br>USDA Agricultural Research Service |  |  | Cascade Ballroom |



## Poster Presentations

|                                      |  |
|--------------------------------------|--|
| Alvarez-Sanchez, Maria Edna          | Nutritional assessment of <i>Moringa oleifera Lam</i> plantations to optimize oil production   |
| Bentrup, Gary                        | Tree Advisor: Selecting Woody Plants for Agroforestry in the Great Plains  |
| Brodt, Sonja                         | Assessing elderberry hedgerows for commercial production in California   |
| Buendia-Espinoza, Julio Cesar        | Physical and Sensorial Quality of Coffee ( <i>Coffea arabica L.</i> ) in Coatepec, Veracruz, Mexico.   |
| Cahuich Damián, Jesus                | Shrubs and herbaceous plants in ecological rehabilitation processes in a semi-dry climate  |
| Coleman, Brent                       | Carbon sequestration in riparian buffer systems as influenced by soil texture, vegetation type and age in Ontario, Canada  |
| Current, Dean                        | Farmmaps - A farmer to farmer database and networking tool   |
| Dold, Christian                      | Impact of tree windbreaks on annual crops - carbon uptake and water use  |
| Dwikarina, Amanda                    | Characterization of the anti-tumor taccalonolides isolated from black bat flower ( <i>Tacca chantrieri</i> ) in Indonesia  |
| Efrat, Novianus                      | Switchgrass ( <i>Panicum virgatum</i> ) bioactive compounds profiling through untargeted and targeted analysis.  |
| Emery, Marla                         | Nontimber Forest Products in the United States   |
| Fike, John                           | Forage and Heifer Responses to Silvopasture Management   |
| Garza-Lau, Ruben                     | Nutritional Input From Nitrogen Fixing Tree Species To A Coffee Agroforestry System  |
| Ho, Khanh-Van                        | Identifying Antibacterial Compounds in Black Walnuts ( <i>Juglans nigra</i> ) Using A Metabolomics Approach  |
| Hsu, Shuyu                           | A <i>Bacillus Thuringiensis</i> Spore Expression System for Bioremediation   |
| Kellerman, Todd                      | Agroforestry Inventory: Translating Research to Landowners   |
| Louhaichi, Mounir                    | Community Participation Towards Silvopastoral Restoration  |
| Maldonado, Ranferi                   | Nutrition for rapid growth of mahogany plants ( <i>Swietenia macrophylla King</i> )  |
| Maldonado, Ranferi                   | Contribution to the study of the agro forest entomology system of the <i>Lippia myriocephala</i> tree as a source of fuel and means of reproduction of the larva <i>Phassus triangularis</i> |
| Mendelson, Sophie                    | The Agroforestry Academy - Impacts on Adoption   |
| Merwin, Miles                        | Cooperative Marketing of Special Forest Products in Oregon   |
| Mosquera Losada, Maria Rosa          | Agroforestry Policy in Europe  |
| Mosquera Losada, Maria Rosa          | Silvoarable practices as a mechanism to enhance climate adaptation   |
| Ofosu, Enoch                         | Carbon sequestration potentials of diverse riparian buffer systems in Southern Ontario   |
| Penkauskas, Calvin                   | Resolving conflict between oak conservation and organic hazelnut production  |
| Poudel, Sanjok                       | Performance of Katahdin Rams in Southern-pine Silvopasture and Woodland Grazing Systems  |
| Pudota, Mounika                      | Agroforestry Alley Cropping with Specialty Crops among Loblolly Pine and Pecan Stands.   |
| Pugh, Brahmi                         | The governance of agroforestry in the United States: Virginia and Missouri   |
| Romero Díaz, Claudio                 | Bird diversity in two Agroforestry systems and a Mountain Cloud Tropical Forest  |
| Uribe Gómez, Miguel                  | Methods for Propagation of Multipurpose tree species in the Sierra of Huautla, Morelos, Mexico   |
| Valencia Trejo, Guadalupe Montserrat | Community Territorial Planning with an Agroforestry Approach in Xaltepuxtla, Puebla, Mexico  |
| Vo, Phuc                             | Quantification of Bioactive Phytochemicals in Spent Coffee Grounds by Liquid Chromatography Tandem-mass Spectrometry (LC-MS/MS)  |
| Zamora, Diomy                        | Bioenergy Production and Soil Health Potentials of Eastern Red Cedar Windbreaks in the U.S. Great Plains   |

## Lightning Talks

| Presenter   | Title of Talk  |
|-------------|--|
| Kevin Wolz  | PerennialMap.org - Navigate the Future of Farming  |
| Marla Emery | Nontimber forest products and agroforestry: What you need to know                                  |
| Kevin Wolz  | Utilizing systematic experimental designs to explore plant diversity in perennial cropping systems |

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