SOUTHERN ASSOCIATION OF AGRICULTURAL SCIENTISTS

2019 Program Book
Birmingham, Alabama
February 1-5, 2019

For their support of the Southern Association of Agricultural Scientists, special thanks are expressed to:

For the Reception:
Southern Farm Bureau Life Insurance Company
Mr. Randy Veach, Chairman & President
1401 Livingston Lane - 39213-8098
P. O. Box 78
Jackson, Mississippi 39205
(601) 981-7422

For printing of the programs:
LSU AgCenter
Dr. Bill Richardson, Vice-Pres & Dean
101 J. Norman Efferson Hall
110 Union Square
Baton Rouge, LA 70803
(225) 578-4164
Email: brichardson@agcenter.lsu.edu

Conference participants are encouraged to thank the sponsors for their support of SAAS.
SAAS strives to forward the interests of Southern agriculture by bringing agricultural leaders in the educational field and industry together. The association instructs and trains individuals for the purpose of improving or developing their capabilities relating to educational activities in service to the public arena. SAAS also offers young scientists an opportunity to present papers resulting from their research, extension, or other efforts and to exchange knowledge with other leaders.

Thank you for attending and taking part in this effort!

Visit the SAAS website: www.saasinc.org
SAAS PROGRAM

SAAS Registration
Sunday, February 03 - 8:00 am - 4:00 pm
Monday, February 04 - 8:00 am - 4:00 pm
Tuesday, February 05 - 8:00 am – Noon
Hotel Arboretum Second Floor

SAAS General Business Meeting
Sunday, February 03
4:00 pm – 4:15 pm
Forum C Forum Building Second Floor

SAAS Social & Super Bowl Party
Sponsored by Southern Farm Bureau Life Insurance Co.
Jackson, Mississippi and Affiliates
5:00 pm - Sunday, February 03
Southern Kitchen and Bar
(see walking directions on Table of Contents page)

Executive Committee Meetings

Sunday, February 03
SAAS Board Meeting
2:30 pm – 3:30 pm
Forum C
Forum Building Second Floor

Tuesday, February 05
SAAS Board Breakfast Meeting
7:30 am – 9:30 am
East Meeting Room F
Convention Center

REGISTRATION INFORMATION

Fees: When you register on-site, a receipt will be provided for reimbursement. Fees are association fees + SAAS fee ($60 for professionals, $5 for graduate students & $0 for undergrads).

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Posters:
All posters will be displayed in the Ballroom Prefunction-Hotel-1st Floor
ADMINISTRATIVE HEADS OF AGRICULTURE

Southern Association of Agricultural Scientists
Administrative Heads of Agriculture Section (AHS)

Monday, February 04
11:00 am – 3:00 pm
Administrative Heads of Agriculture Section (AHS) Meeting
Forum D Forum Building Second Floor
Lunch will be served.

AGRICULTURAL COMMUNICATIONS

2019 National Agricultural Communications Symposium
February 3-4, 2019 | Birmingham, Alabama
Sheraton Birmingham Hotel

Sunday, Feb. 3

7:30 a.m.  Breakfast & Networking, Birmingham Ballroom 4

8:15 a.m.  Welcome, Birmingham Ballroom 4

8:30 a.m.  Professional Development Session I, Birmingham Ballroom 4

- Agricultural Communications Through Virtual Reality - Brooke Beam, The Ohio State University
- Immersive Storytelling: Bringing Agriculture into 3-D - Tiffany M. Rogers-Randolph & Levy Randolph, University of Florida
- Creating Augmented Reality Experiences in Agricultural Communications Courses using ZapWorks - Kevin Kent and Ricky Telg, University of Florida

9:30 a.m.  Break

9:45 a.m.  Paper Session I, Birmingham Ballroom 4
Interactive infographics’ effect on elaboration in agricultural communication
Erin Burnett, Jessica Holt, Abigail Borron, & Bartosz Wojdynski, University of Georgia

A qualitative case study of agricultural and natural resources scientists’ Twitter usage for engaging public audiences
Jamie Loizzo, University of Florida; Catherine Jones, & Abby Steffen, University of Nebraska - Lincoln

Communication channel preferences: An audience segmentation analysis
Kevan Lamm, Abigail Borron, Jessica Holt, & Alexa Lamm, University of Georgia

10:45 a.m.  Professional Development Session II
- Lessons Learned: Tips and Tricks for Implementing Eye Tracking- Lacey M. Roberts, Gladys Walter, Tobin Redwine, Taylor Rogers, and Billy McKim, Texas A&M University

11:30 a.m.  Lunch (on your own)

1:00 p.m.  Paper Session II, Birmingham Ballroom 4
Beyond the post: Equine operators' communication processes for conservation practices
Anisa Zagonel, Lauri Baker, Shelly Ingram, Jon Ulmer, & Joann Kouba, Kansas State University

Describing coastal prairie place attachments for improved conservation messaging
Matthew Pfeiffer, Tobin Redwine, & Gladys Walter; Texas A&M University

How consumers contrast and assimilate information about agricultural biotechnology
Taylor Ruth, University of Illinois at Urbana-Champaign; Joy Rumble, The Ohio State University; Alexa Lamm, University of Georgia; Jason Ellis, Kansas State University

2:15 p.m. Professional Development Session III, Birmingham Ballroom 4

● What are reviewers looking for? Quisto Settle, Oklahoma State University; Lauri Baker, Kansas State University

2:30 p.m. Break

2:45 p.m. Poster Session (Setup earlier), Ballroom Prefunction

4:00 p.m. SAAS General Business Meeting - Forum C

5:00 p.m. SAAS Social Reception/Super Bowl Party - Southern Kitchen and Bar

Monday, Feb. 4

8:00 a.m. Paper Session III, Birmingham Ballroom 4

Where there's smoke, there's fire: Examining agricultural and environmental frames in Associated Press coverage of U.S. wildfires
Brianna Gwirtz & Annie Specht, The Ohio State University

Coauthor network analysis of Journal of Applied Communications articles from 2008-2017
Audrey King & Quisto Settle, Kansas State University

Student perspectives of agricultural communications undergraduate research
Mariah Bausch & Lauri Baker, Kansas State University

RESEARCH POSTERS

Storytelling as narrative: An analysis of country songwriter storytelling techniques and messages
Taylor Rogers, Tobin Redwine, Billy McKim, Natalie Davis

Identifying as a writer, identifying as a communicator: Investigating authorial identity and authorship within writing-intensive courses
Shannon Norris, Taylor Rogers, Holli Leggett, Tobin Redwine
Identifying influencers in agricultural health and safety Twitter conversations
Tiffany Rogers-Randolph, Lisa Lundy, Angela Lindsey, Traci Irani, Ricky Telg, Ashley McLeod, Phillip Stokes, Claire Mitchell

Communicating through chaos: A quantitative content analysis investigating the prepared responses of articles about zoonotic disease on the CDC and USDA websites
Topanga McBride, Lauri Baker, Mariah Bausch, Angela Lindsey

Scholarship in action: Student perspectives of undergraduate research in agricultural communications
Mariah Bausch, Lauri Baker

How comfortable are students in communications situations?
Rachel Hendrix, Carley Morrison

TED talk presenters as ag educators for the lay public: An analysis of viewership, presenter identity, and content themes
Rachel Remmele Foster, Nan Li

Content analysis of Oklahoma agritourism Facebook pages
Brittany Bowman, Quisto Settle, Audrey King

Utilizing Extension as a resource in disaster response: Communication efforts of Florida Extension during the 2017 hurricane season
Moses Mike, Shelli Rampold, Ricky Telg, Angela Lindsey

Future communicators’ perceived likelihood to communicate issues of agriculture, food, environment, natural resources and science: A comparison between students in agricultural communication and journalism
Shuyang Qu, Kathleen Hunt

Future communicators’ agri-values: A comparison of agricultural involvement
Shuyang Qu, Kathleen Hunt

When social identity moderates food crisis response: Exploring the Great Blue Bell Famine
Sharon Wagner, Tobin Redwine

The research paper review process and advice for new authors and reviewers
Alyssa Rockers, Quisto Settle

Learning about water: Using Photovoice to understand how children perceive water conservation issues during a 4-H camp
Lisa Lundy, Kevin Kent, Laura Warner, Amanda Morgan, Hollie Greer

View research paper abstracts presented during the 2019 SAAS Agricultural Communications Section at https://sites.google.com/a/extension.org/saasagcom/m/.
All authors are encouraged to submit their papers to the Journal of Applied Communications. More information is available at http://journalofappliedcommunications.org/.

2018-2019 Agricultural Communication Section Officers

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Abigail Borron
University of Georgia

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Tobin Redwine
Texas A&M University

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Annie Specht
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Oklahoma State University

Graduate Student Representative
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Texas A&M University

Please join us for the 2020 SAAS Annual Meeting in Louisville, KY. Meeting information will be available at http://www.saasinc.org/
February 2, 2019 5:00 pm – 7:00 pm  
New Officer Orientation  
Sheraton Birmingham Hotel Forum D

February 2, 2019 6:00 pm – 8:00 pm  
Quiz Bowl Orientation and Refreshments  
Sheraton Birmingham Hotel  
East Meeting Room O

February 3, 2019 8:00 am – 2:00 pm  
SAEA Executive Council  
Sheraton Birmingham Hotel Forum D

February 3, 2019 8:00 am – 4:00 pm  
Quiz Bowl Competition  
Sheraton Birmingham Hotel  
East Meeting Room O & N

February 3, 2019 8:00 am and 4:00 pm  
Quiz Bowl Break / Recruitment Fair  
Sheraton Birmingham Hotel  
East Meeting Room Lobby

February 3, 2019 12:00 pm – 4:00 pm  
Registration  
Sheraton Birmingham Hotel Ballroom Prefunction

February 3, 2019 2:00 pm – 3:30 pm  
Graduate Students Networking Reception  
Sheraton Birmingham Hotel East Meeting Room D

February 3, 2019 2:00 pm – 4:00 pm  
Department Heads’ Meeting  
Sheraton Birmingham Hotel Forum F

February 3, 2019 2:00 pm – 4:00 pm  
Southern Extension Economics Committee  
Sheraton Birmingham Hotel Forum D

February 4, 2019 7:00 am – 5:00 pm  
Registration  
Sheraton Birmingham Hotel Ballroom Prefunction

February 4, 2019 8 am – 12:00 pm  
Quiz Bowl Competition  
Sheraton Birmingham Hotel  
East Meeting Room O & N

February 4, 2019 8:00 am and 4:00 pm  
Quiz Bowl Break / Recruitment Fair  
Sheraton Birmingham Hotel  
East Meeting Room Lobby

OS1: Organized Symposium  
The Importance of Global Trade Policies/Disputes and Macroeconomic Conditions to Southern U.S. Agriculture  
February 4, 2019 8:30 am – 10:00 am  
Sheraton Birmingham Hotel Forum C

Organizer: Stephen Devadoss, Texas Tech University  
Moderator: Troy Schmitz, Arizona State University

Presentations:  
NAFTA Renegotiations and EU-Mexico Trade Negotiations  
By Luis Ribera, Texas A&M University

Canada-U.S. and EU-U.S. Trade Disputes, and Trans-Atlantic Trade and Investment Partnership  
By Jeff Luckstead, University of Arkansas

China-U.S. Trade Dispute  
By Mary Marchant, Virginia Tech

South Korea-U.S. Trade Agreement and Comprehensive and Progressive Agreement for a Trans-Pacific Partnership  
By Andrew Muhammad, University of Tennessee

International Financial Markets and the Exchange Rate Policies  
By Michael Reed, University of Kentucky

SP01: Selected Papers  
Demand Analysis I: Consumer Preferences for Food Attributes  
February 4, 2019 8:30 am – 10:00 am  
Sheraton Birmingham Hotel East Meeting Room A

Session Chair: Arbindra Rimal, Missouri State University
Factors Influencing Consumers' Willingness to Pay for Organic Peaches: A Case Study for South Carolina
By English Lane Ratliff, Michael Vassalos and Marzieh Motallebi, Clemson University

Identifying Local and Organic Consumer Groups using Stated Preferences of Milk
By Caleb Edward Orr (1), Zhifeng Gao (2) and Lisha Zhang (1)
1: Clemson University; 2: University of Florida

Consumers' Willingness to Pay for Local Food in Alternative Restaurant Formats: An Application of the Latent Class Approach
By Mahla Zare Mehrjerdi (1), Tim Woods (1), Alison Davis (1) and Wuyang Hu (2)
1: University of Kentucky; 2: Ohio State University

Political Partisanship and Importance of Food Product Attributes with Lower Ecological Impacts
By Arbindra Rimal, Nichole Busdieker-Jesse and Amanda Wecker, Missouri State University

Ordered Logit Analysis of Interests in Locally Grown, Domestic, and Imported Fresh Produce
By Wyatt Tucker Lucas and Dominique Gumirakiza, Western Kentucky University

Consumers' Willingness to Pay for U.S. GM Orange Juice Considering the Local Context Effect
By Yang Hu (1), Lisa House (1), Brandon McFadden (2) and Zhifeng Gao (1)
1: University of Florida; 2: University of Delaware

Commodity Program Analysis of Arkansas Representative Farms Under 2018 Farm Bill Proposals
By Grant Wilson, Glory Okpiafo, Alvaro Durand-Morat, Eric Wailes and Ed Chavez, University of Arkansas

Estimating Effects of Crop Insurance Enrollment on Farm Input Use
By Madhav Regmi, Brian Briggeman and Allen Featherstone, Kansas State University

Economic Effects of Alternative Farm Program Payment Limitations
By Mason Clay Moore, James Richardson, Joe Outlaw and Henry Bryant, Texas A&M University

Simulated Risk Reduction Provided by New Farm Bill for Kentucky Grain Farms
By Todd Davis and Tyler Mark, University of Kentucky

Is Tomato Production Profitable in South Texas? Which Varieties, Which Production System and When to Produce
By Felipe Peguero, Samuel D. Zapata, Carlos Avila and Thiago Marconi, Texas A&M University

Optimal Portfolio Design to Manage Oyster Resources
By Frederick Nyanzu (1), Daniel Petrolia (1), Ardian Harri (1), Just Cebrian (2) and Bill Walton (3)
1: Mississippi State University; 2: University of South Alabama; 3: Auburn University

Economic Assessment of Clearfield Rice in the U.S.
By Alvaro Durand-Morat and Lanier Nalley, University of Arkansas

Potential Costs and Benefits of Producing Industrial Hemp in New Mexico
By Lenora Gayle Parker-Sedillo and Ram Archarya, New Mexico State University

Estimating Production of Brewery and Distillery Spent Grains in Tennessee and Identifying Sustainable Uses
By Sarah Elizabeth Best, Aaron Smith, David Hughes and Edward Yu, University of Tennessee
Assessing Structural Factors Affecting Agritourism Location in Tennessee
By Ummey Honey, Aditya Khanal and Omobolaji Omobitan, Tennessee State University

SP04: Selected Papers
Climate Change Impacts and Adaptation
February 4, 2019 8:30 am – 10:00 am
Sheraton Birmingham Hotel Forum E

Session Chair: Susana Ferreira, University of Georgia

Climate Variability and Crime in the Southern States
By Suzan Odabasi and Valentina Hartarska, Auburn University

The Vulnerability of Energy System to Extreme Weather: A Case Study in Texas Gulf Coast Region
By Xiaoyang Deng, Bruce McCarl and Yangyang Xu, Texas A&M University

Farmers' perception on climate change and factor influencing adaptation in Chitwan, Nepal
By Hari Regmi, University of Tennessee

The Survival of Agricultural Farms under Droughts
By Jianhong Mu, Texas A&M University

How Can Economics Inform Flood Risk Management?
By Mona Ahmadiani (1), Susana Ferreira (2) and Craig Landry (2)
1: Wake Forest University; 2: University of Georgia

Effects of Climate Stress on Beef Carcass Traits
By Juwon Jang and Ariun Ishdorj, Texas A&M University

OS02: Organized Symposium
2019 Southern Crops Economic Outlook
February 4, 2019 10:15 am – 11:45 am
Sheraton Birmingham Hotel Forum C

Organizer: Todd Davis, University of Kentucky
Moderator: Nathan Smith, Clemson University

Presentations:
Wheat and Sorghum Outlook for 2019
By Samuel Zapata, Texas A&M University

Corn Outlook for 2019
By Todd Davis, University of Kentucky

Soybean Outlook for 2019
By Aaron Smith University of Tennessee

Cotton Outlook for 2019
By John Robinson, Texas A&M University

Peanut Outlook for 2019
By Adam Rabinowitz, University of Georgia

Specialty Crops Outlook for 2019
By Elizabeth Canales, Mississippi State University
AGRICULTURAL ECONOMICS

SP06: Selected Papers
International Trade I
February 4, 2019 10:15 am – 11:45 am
Sheraton Birmingham Hotel East Meeting Room A

Session Chair: Scott Wayne Hall, University of Kentucky

Can U.S. Import Regulation Reduce IUU Fishing?
By Yingkai Fang (1) and Frank Asche (1), (2)
1: University of Florida; 2: University of Stavanger, Norway

Simulation of Chinese Sorghum Imports: U.S. and Global Impacts
By Wei Zhang (1) and Mary A. Marchant (2)
1: University of Kentucky; 2: Virginia Tech

Impact of Egyptian Rice Acreage Reduction on Global Rice Market
By Glory Esohe Okpiaifo, Grant Wilson, Alvaro Durand-Morat and Eric Wailes, University of Arkansas

Estimating the Trade Impacts of Alternative Treatments for Foot and Mouth Disease
By Frannie Miller, Lirong Liu and Steve Shwiff, Texas A&M University - Commerce

Is Customs Union and Accession to EU Good or Bad for Turkey-US-EU Agriculture Efficiency?
By Saleem Shaik and Ekrem Ergun, North Dakota State University

US-Brazil Bilateral Fuel Ethanol Trade
By Scott Wayne Hall and Michael Reed, University of Kentucky

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SP07: Selected Papers
Demand Analysis II: Marketing and Consumer Preferences
February 4, 2019 10:15 am – 11:45 am
Sheraton Birmingham Hotel East Meeting Room H

Session Chair: Ben Campbell, University of Georgia

Consumers' Willingness to Pay for Potting Mix with Biochar
By McKenzie Thomas (1), Kimberley Jensen (1), Christoper Clark (1), Dayton Lambert (2), Burton English (1) and Forbes Walker
1: University of Tennessee; 2: Oklahoma State University

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SP08: Selected Papers
Economics of Livestock Production I
February 4, 2019 10:15 am – 11:45 am
Sheraton Birmingham Hotel East Meeting Room C

Session Chair: Christopher Boyer, University of Tennessee

Optimal Forage and Supplement Balance for Organic Dairy Farms in the Southeastern United States
By John Allison, Carl Dillon and Kenneth Burdine, University of Kentucky

Pasture Management Influence on Amount of Hay Fed to Beef Cattle
By Christopher Boyer (1), Andrew Griffith (1), Dayton Lambert (2), Christopher Clark (1) and Burton English (1)
1: University of Tennessee; 2: Oklahoma State University
Pasture Based Grazing: A Vital Choice for Southeast Dairy Producers?
By Mohammed Ibrahim and Nalini Pattanaik, Fort Valley State University

Analysis of Economic Opportunity of Retaining Ownership of Cow-Calf Operations under Three Production Systems: Grazing Experiments in Southeastern U.S
By Emmanuel Omotayo Akande, Damian Adams and Spiro Stefanou, University of Florida

The Impact of ELD Trucking Regulations on Cattle Prices in the South
By Anastasia Thayer, Charley Martinez, Justin Benavidez and David Anderson, Texas A&M University

Factors Affecting Pure-bred Nellore Prices Sold in Auctions in Brazil
By Yuri Call (1), Luis Ribera (1), David Anderson (1) and William Koury (2)
1: Texas A&M University; 2: Brasilcomz, Brazil

Agricultural Decisions in Response to Groundwater Salinity in Irrigated Lands
By Juhee Lee and Nathan Hendricks, Kansas State University

The Influence of Existing Irrigation Practices on the Choice of Irrigation Water Sources and Surface Water Infrastructure
By Alfred Narh, Nii Abrahams and Kent Kovacs, University of Arkansas

A Landscape Level Approach to Assessing the Economic Feasibility of Managed Aquifer Recharge
By Dat Tran and Kent Kovacs, University of Arkansas

Efficient Row Crop Irrigation Practices and the Role of Peer Networks
By Robert Rosene, Kent Kovacs and Crystallyne Landram, University of Arkansas

Does Crop Insurance Inhibit Climate-Change Irrigation-Technology Adoption?
By Sarah Sellars, Nathanael Thompson, Michael Wetzstein, Laura Bowling, Keith Cherkauer, Jane Frankenberger and Linda Prokopy, Purdue University

A Choice Experiment to Understand Willingness to Pay for Groundwater Preservation
By Grant West, Heather Snell, Kent Kovacs and Rodolfo M. Nayga, University of Arkansas

SP10: Selected Papers
Price Analysis
February 4, 2019 10:15 am – 11:45 am
Sheraton Birmingham Hotel Forum F

Session Chair: Lisha Zhang, Clemson University

Price-Fixing in the United States Broiler and Pork Industries
By Yuliya Bolotova, Clemson University

Price Discovery in Fed Cattle and Measuring Market Thinness
By Elena Brookover, Brian Coffey and Glynn Tonsor, Kansas State University

Price Forecasts for Fresh Tomatoes, Cantaloupes, Spinach, Spring Onions, Watermelons, Cabbages, Onions, and Oranges
By Lisha Zhang (1) and James L Seale (2)
1: Clemson University; 2: University of Florida

Price Discovery and Integration of the Peanut Markets in the United States
By Hannah Bryce Hawkins and Senarath Dharmasena, Texas A&M University

Spatial Price Relationships of Agricultural and Fishery Commodities in Japan – The Great East Japan Earthquake
By Sungtae Eun and Omar Cortez, Texas Tech University

The Use of Price Elasticity to Estimate Future Volatilities: An Application of Stochastic Partial Equilibrium Model Analysis
By Byung Min Soon (1), Sukho Han (2), Wyatt Thompson (1) and Patrick Westhoff (1)
1: University of Missouri; 2: Chungnam National University, South Korea

February 4, 2019 12:00 pm – 1:15 pm
51st SAEA Annual Meetings Luncheon
Sheraton Birmingham Hotel East Ballroom B

Welcome by Deacue Fields, SAEA President

Presidential Address
Krishna Paudel
Legends vs. Quiz Bowl Champs
February 4, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel
East Meeting Room O

OS03: Organized Symposium
2019 Southern Livestock Economic Outlook
February 4, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel Forum C

Organizer: Todd Davis, University of Kentucky
Moderator: Kenny Burdine, University of Kentucky

Presentations:
Beef Outlook for 2019
By Josh Maples, Mississippi State University

Poultry and Pork Outlook for 2019
By Max Runge, Auburn University

Hay and Forage Outlook for 2019
By Chris Prevatt, University of Florida

Sheep and Goat Outlook for 2019
By David Anderson, Texas A&M University

Dairy Outlook for 2019
By Adam Kantrovich, Clemson University

SP11: Selected Papers
Food and Agricultural Marketing and Promotion
February 4, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel East Meeting Room A

Session Chair: James Barnes, Mississippi State University

The Florida Tomato Committee’s Education & Promotion Program 2011 - 2016: An Evaluation
By Fangyi Zhang and John VanSickle, University of Florida

Use and Benefits Associated with State Marketing Programs
By Anwesha Chakrabarti (1), Ben Campbell (2),
Adam Rabinowitz (2) and Brady Brewer (3)
1: University of Connecticut; 2: University of Georgia;
3: Purdue University

Factors Influencing New Farmers’ Quality and Safety Behavior of Fresh Agricultural Products in the Social Media Environment
By Zhaohui Yang (1) (2), Krishna Paudel (1) and Xiaowei Wen (2)
1: Louisiana State University; 2: South China Agricultural University, China

SP 12: Selected Papers
Agricultural Best Management Practices and Conservation
February 4, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel
East Meeting Room H

Session Chair: Deepthi Kolady, South Dakota State University

An Economic Analysis of Cover Crop Utilization in Georgia Cotton and Peanut Production
By Guy Albrighton Hancock (1), Yangxuan Liu (1),
Amanda Smith (1) and Alejandro Plastina (2)
1: University of Georgia; 2: Iowa State University

Adoption of Diverse Crop Rotation: Drivers and Implications
By Deepthi Kolady, Tong Wang, Jessica Ulrich-Schad and Weiwei Zhang, South Dakota State University

Modelling Timber and Non-timber Forest Products: An Attempt to Bridge Biodiversity Conservation and Rural Populations’ Well-being
By Lauriane Yehouenou and Kelly Grogan, University of Florida

The Effect of Crops’ Price and Yield Change on the Conservation Reserve Program Enrollment
By Hua Wang (1), Naveen Adusumilli (1), Michael Deliberto (1) and Rowell Dikitanan (2)
1: Louisiana State University; 2: International Center for Tropical Agriculture, Philippines

Optimal Easement Lengths for Optimizing Net Carbon Sequestration and Economic Returns through Afforestation
By Kent Kovacs and Karli Moore, University of Arkansas
SP 13: Selected Papers
International Trade II
February 5, 2017 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel East Meeting Room C

Session Chair: Saleem Shaik, North Dakota State University

Determinants of China’s Seafood Trade Patterns
By Bixuan Yang, Frank Asche and James Anderson, University of Florida

US Agricultural Exports to AGOA countries: A Dynamic Gravity Model Approach
By Elsie Otibu Bossman Mpere (1), Osei Yeboah (1) and Saleem Shaik (2)
1: North Carolina A&T State University; 2: North Dakota State University

Demand System and Market Share of Myanmar Melons in China Market
By Wuit Yi Lwin and Shida Rastegari Henneberry, Oklahoma State University

Importance of Free Trade Agreements on U.S. Agriculture Trade
By Saleem Shaik (1) and Osei Yeboah (2)
1: North Dakota State University; North Carolina A&T State University

NAFTA Renegotiations and U.S. Beef Industry
By Osei Yeboah, Paula Faulkner and Theophilus Amoah, North Carolina A&T State University

U.S. Withdrawal from the TPP and North Carolina Pork Industry
By Amber Brown (1), Osei Yeboah (1) and Saleem Shaik (2)
1: North Carolina A&T State University; 2: North Dakota State University

SP 14: Selected Papers
Economics of Technology Adoption
February 4, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel Forum E

Session Chair: Stephen Morgan, University of Florida

Allocative Inefficiency under Heterogeneous Technology in Bolivian Agriculture
By Travis McArthur, University of Florida

SP15: Selected Papers
Price Analysis and Agricultural Finance
February 4, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel Forum F

Session Chair: Kelly Lange, Texas Tech University

The Impact of Bank Deregulations on Agricultural Loan Delinquencies
By Eric C. Davis and Ani Katchova, Ohio State University

Saving Motives of U.S. Farmers during the 2007-2009 Financial Crisis
By Kelly Lange, Abbas Aboohamidi and Sanja Zivkovic, Texas Tech University

Cross-product Hedging for Farm Service Companies
By Tyler Joseph Raine and Frannie Miller, Texas A&M University- Commerce
How Cryptocurrencies Prices Affect Each Other?  
By Ze Shen, David Bessler and David Leatham, Texas A&M University

Analysis of Blockchain Impact on US Stock Market  
By Ze Shen, Reid Stevens and David Leatham, Texas A&M University

The Impact of Prices of Oil, Currency, and Capital on Food Prices: An Empirical Evidence from the Panel VAR Analysis  
By Riza Radmehr (1), (2) and Shida Rastegari Henneberry (1)  
1: Oklahoma State University; 2: Ferdowsi University of Mashhad, Iran

BREAK  
February 4, 2019 3:00 pm – 3:30 pm  
Sheraton Birmingham Hotel Ballroom Prefunction

OS04: Organized Symposium  
Farm Bill Policy in 2019  
February 4, 2019 3:30 pm – 5:00 pm  
Sheraton Birmingham Hotel Forum C

Organizer: Keith Coble, Mississippi State University  
Moderator: Barry Barnett, University of Kentucky

Discussant: Keith Coble, Mississippi State University

Presentations:  
Farm Bill’s Commodity Programs and Crop Insurance  
By Joe Outlaw, Texas A&M University

Farm Bill’s Implications for Cotton Producers  
By Darren Hudson, Texas Tech University

The Farm Bill and the Future of the Supplemental Nutrition Assistance Program  
By Elizabeth Canales, Mississippi State University

SP16: Selected Papers  
Food Demand, Health and Nutrition  
February 4, 2019 3:30 pm – 5:00 pm  
Sheraton Birmingham Hotel East Meeting Room A

Session Chair: Carlos Carpio, Texas Tech University

Does the Revised Nutrition Facts Panel Affect Sugary Beverage Consumption? An Eye-Tracking Application  
By Zachary T. Neuhofer (1), Brandon R. McFadden (2), Hayk Khachatry (1), Alicia Rihn (1), Xuan Wei (1)  
1: University of Florida; 2: University of Delaware

Why “Half Your Plate” May Not Be Enough” - Measuring Perceptions of Nutritional Content of U.S.-Grown Produce  
By Maniah Danielle Beverly, Clint Neill and Kim Morgan, Virginia Tech

Convex Self-Control Cost and Differential Calorie Treatment in Sugar-rich and Fat-rich Menus  
By Samir Huseynov and Marco Palma, Texas A&M University

The Effect of Nutritional and Exercise Knowledge to Healthy Diets after Hypertension and Diabetes Diagnosis  
By Jin Gi Won (1), Doo Bong Han (1), Dae Hee Chung (1) and Wanki Moon (2)  
1: Korea University, South Korea; 2: Southern Illinois University

Heterogeneity of Impacts of a Nutritional Policy: The Case of the Traffic-Light Nutritional Labelling in Ecuador  
By Carlos Carpio (1) and Luis Sandoval-Mejia (2)  
1: Texas Tech University; 2: Zamorano University, Honduras

Empirical Assessment of Endogeneity and Instrumental Variables in a Complex Economic System using Graph Theoretic Approach: An Application to the U.S. Food Environment  
By Senarath Dharmasena and David Bessler, Texas A&M University

SP17: Selected Papers  
International Development I  
February 4, 2019 3:30 pm – 5:00 pm  
Sheraton Birmingham Hotel East Meeting Room H

Session Chair: Wojciech Florkowski, University of Georgia

The Gender Productivity Gap and Women’s Agricultural Participation: The Case of Coffee Farmers in Colombia and Ecuador  
By Jorge Jair Avila-Santamaria (1) and Maria del Pilar Useche (2)  
1: Universidad de San Francisco de Quito, Ecuador; 2: University of Florida
Corruption and Regulation across firms in selected developing countries
By Mahla Zare Mehrjerdi and Sayed Saghaian, University of Kentucky

Dam, Forced Relocation, and Poverty: Vulnerability Assessment of the Displaced People
By Siyu He (1), (2), Krishna Paudel (1) and Wei Zhong Zeng (2)
1: Louisiana State University; 2: Sichuan Agricultural University, China

Potential Options for Enhancing Farm Productivity in Nepal
By Ram Acharya, New Mexico State University

Smallholder Farmers’ Demand for Farm Mechanization in the Mid-hills of Nepal
By Gokul Paudel, Krishna Koirala, Dilli KC and Dil Rahut, Louisiana State University

Farmer choice of strategies alleviating food insecurity due to changing weather patterns
By Ebrima Sonko (1), Wojciech Florkowski (2), Sampson Agodzo (1) and Phillip Antwi-Agyei (1)
1: Kwame Nkrumah University of Science and Technology, Ghana; 2: University of Georgia

Diversification, Efficiency and Productivity in Catch Share Fisheries
By Daniel Solis (1), Juan Agar (2) and Julio del Corral (3)
1: Florida A&M University; 2: NOAA Fisheries Service; 3: Universidad de Castilla-La Mancha, Spain

Partial Technical Efficiency Analysis and Agricultural Productivity Across the Southern States in the US: A Comparative Analysis
By Kartik Vijaybhai Joshi, Michée Arnold Lachaud, Daniel Solis and Michael Thomas, Florida A&M University

Productivity Decomposition with Parametric and Nonparametric Frontiers: Application to Wisconsin Dairy Production
By Kota Minegishi (1) and Simon Jette-Nantel (2)
1: University of Minnesota; 2: University of Wisconsin

Udder Efficiency: A Panel Stochastic Efficiency Model of the Relationship Between Somatic Cell Count and Dairy Farming Practices
By Alexander Ogden Swartz, Sayed Saghaian and Tyler Mark, University of Kentucky

Identifying Efficiency Gains in Cooperatively Owned Cotton Warehouses
By Jessica Ashley Richard, Oklahoma State University
An International Comparison of Cost Efficiency for Corn and Soybean Farms
By Rachel Purdy and Michael Langemeier, Purdue University

YP: Young Professionals
February 4, 2019 3:30 pm – 5:00 pm
Panel for Young Professionals
Sheraton Birmingham Hotel Forum F

Organizer and Moderator: Luis Ribera, Texas A&M University

Panelists:
Deacue Fields III, University of Arkansas
Parr Rosson, Texas A&M University
Octavio Ramirez, University of Georgia

February 4, 2019 4:00 pm -5:00 pm
Quiz Bowl Break/Recruitment Fair
Sheraton Birmingham Hotel
East Meeting Room Lobby

February 4, 2019 5:15 pm – 7:00 pm
SAEA Business Meeting and Awards Program
Sheraton Birmingham Hotel
Birmingham Ballroom 5/9

February 4, 2019 6:30 – 8:30 pm
Undergraduate Student Reception
Cantina Laredo @
2301 Richard Arrington Jr. Blvd.

February 5, 2019 8:00 am – 5:00 pm
Registration
Sheraton Birmingham Hotel Ballroom Prefunction

SAEA Lifetime Achievement Awards Breakfast
February 5, 2019 8:00 am – 10:00 am
Sheraton Birmingham Hotel
Birmingham Ballroom 11/12

SAEA recognizes significant and enduring contributions in scholarship or public service to Southern agricultural economics. This award recognizes individual distinguished contributions to the profession over a career. The award winners for 2018 will be recognized at this session and each award recipient will make a short presentation on the highlights of their career and their perspectives on agricultural economics as a professional home.
Session Chair: Lisa House, University of Florida

Presenters:
Stephen Devadoss, Texas Tech University
Mike Reed, University of Kentucky
John VanSickle, University of Florida

ES: Emerging Scholars
February 5, 2019 10:30 am – 12:00 pm
Emerging Scholars Presentations
Sheraton Birmingham Hotel Forum C

Session Chair: Krishna Paudel, SAEA President-Elect, Louisiana State University

Presentations:
Climate, Insurance, and Innovation: the Case of U.S. Agriculture
By Ruiqing Miao, Auburn University

Consumer-driven Food and Nutrition Policy in the United States
By Alba Collart, Mississippi State University

The Value of Nutritional Information and Impact on Food Choice
By Brandon McFadden, University of Delaware

SP20: Selected Papers
Food Assistance, Food Security and Food Safety
February 5, 2019 10:30 am – 12:00 pm
 Sheraton Birmingham Hotel East Meeting Room A

Session Chair: Clinton Neill, Virginia Tech

Do Food Purchases by Supplemental Nutrition Assistance Program Recipients Vary in Nutrition Quality Over the Benefit Month?
By Chandra Dhakal, University of Georgia

Nutrients Required and Acquired: An Overview of SNAP Eligible and Ineligible Household Behaviors
By Aaron Michael Ates and Rodney B. Holcomb, Oklahoma State University

Effects of Gender on Food Security and Health Outcomes
By Anne Musa, Carlos Carpio, Ryan Williams and Boonsaeng Tullaya, Texas Tech University

Effects of Food Assistance Program on Low Income Household Food Security
By Osei Yeboah (1), Saleem Shaik (2), Sung-Jin Lee (1) and Jamal Musah (1)
1: North Carolina A&T State University; 2: North Dakota State University
AGRICULTURAL ECONOMICS

Evaluating the Double Up Food Bucks Program in Arkansas
By Di Fang, Michael Thomsen, Rodolfo Nayga and Colton Henderson, University of Arkansas

Effects of Media Duration on U.S. Egg Consumption and Egg Recalls
By Clinton Neill and Susan Chen, Virginia Tech

SP21: Selected Papers
Land Values
February 5, 2019 10:30 am – 12:00 pm
Sheraton Birmingham Hotel East Meeting Room H

Session Chair: Dongmei Li, Sichuan Agricultural University

The Influence of Land Titling Policy on Peasant Households’ Land Disposal Behavior: A Seemingly Unrelated Fractional Semiparametric Model
By Kai Liu (1) (2), Krishna Paudel (1), Mingzhong Luo (2)
1: Louisiana State University; 2: South China Agricultural University, China

The Impact of Bank Concentration on Land Values
By Ana Claudia SantAnna and Ani Katchova, The Ohio State University

Green Acres: A Study on the Determinants of Cropland Values in Mississippi
By Evan James Gregory and Xiaofei Li, Mississippi State University

Farmland Investment: A Portfolio Perspective
By Ashraf Noumir, Purdue university

Utilizing Farmland Sales data as a Proxy for Estimating the Long-term Benefits of Cover Crops
By Robert Ellis, Tyler Mark and Jordan Shockley, University of Kentucky

Constructing Rigorous Relative Price Indices of Agricultural Land in the Developed and Developing World
By Richard Nehring (1), Jon McFadden (1), Matthew Liebman (2), Wendong Zhang (2), Nila Ghosh (3) and Yu Sheng (4)
1: USDA Economic Research Service; 2: Iowa State University; 3: University of Delhi; 4: University of Peking, China

AGRICULTURAL ECONOMICS

SP22: Selected Papers
Non-Market Valuation
February 5, 2019 10:30 am – 12:00 pm
Sheraton Birmingham Hotel East Meeting Room C

Session Chair: Jerrod Penn, Louisiana State University

The Extent of Hypothetical Bias in Willingness to Accept: A Field Experiment
By Jerrod Penn (1) and Wuyang Hu (2)
1: Louisiana State University; 2: Ohio State University

Congestion Costs Matter in Valuing Recreational Fishing for Urban Residents
By Richard Melstrom (1) and Taylor Welniak (2)
1: Loyola University Chicago; 2: Oklahoma State University

Valuing Sites of Cultural and Historical Significance in the Mississippi Delta
By Kaylee Katherine Wells, Matthew Interis, Andrew Stevens and Ardi Harri, Mississippi State University

The Impacts of Environmental Disamenities on Housing Values in East Africa
By Yousef Alkilany and Denis Nadolnyak, Auburn University

The Tragedy of the Common Bacteria: Valuing the Population of Antibiotic-susceptible Bacteria in Feed Cattle
By Ashley Hamilton, Ryan Blake Williams and Guy Loneragan, Texas Tech University

SP23: Selected Papers
Economics of Livestock Production II
February 5, 2019 10:30 am – 12:00 pm
Sheraton Birmingham Hotel Forum E

Session Chair: Amy Hagerman, Oklahoma State University

Analysis of Closed versus Operating Dairies in the Southeastern United States
By Jade Desha Ellis (1), Karen Lewis DeLong (1), Dayton Lambert (2), Susan Schexnayder (1), Peter Krawczel (1) and Steve Oliver (1)
1: University of Tennessee; 2: Oklahoma State University

Feeder Cattle Shrink in the Southern Region of the United States
By Charles Canuto Martinez, Justin Benavidez, Anatasia Thayer and David Anderson, Texas A&M University
Agricultural Economics

Business Continuity Implications for Dairy Creameries Sourcing Milk Near Foot-and-mouth Disease Outbreak Control Zones
By Amy Hagerman (1), Joleen Hadrich (2), Chris Wolf (3) and David South (4)
1: Oklahoma State University; 2: University of Minnesota; 3: Michigan State University; 4: Colorado State University

Assessment of Labor Recruitment and Retention Challenges within the Cattle Feeding Industry
By Garrett Robinson, Mallory Vestal, Bridget Guerrero and Ty Lawrence, West Texas A&M University

Farmer Perception of Current U.S. Livestock Indemnity Policy
By Victoria Campbell and Jada Thompson, University of Tennessee

The Impacts of Pregnancy and Risk of Abortion on Replacement Cow/Heifer Values
By Tori Marshall (1), Kalyn Coatney (1), Jane Parish (1), Josh Maples (1), Brian Williams (2) and Randall Little (1)
1: Mississippi State University; 2: Nebraska Public Power District

SP24: Selected Papers
Issues for Small and Beginning Farmers
February 5, 2019 10:30 am – 12:00 pm
Sheraton Birmingham Hotel Forum F

Session Chair: Dominique Gumirakiza, Western Kentucky University

Examining Capital Constraints and Financing Sources: How Do Small Farms Meet their Agricultural Spending and Expenses?
By Omobolaji Omobitan, Aditya Khanal and Ummey Honey, Tennessee State University

Agricultural Value-Added: Prospects for Small and Disadvantaged Farmers in North Carolina
By Anthony Yeboah, John Paul Owens, Jarvetta Bynum and Obed Quaicoe, North Carolina A&T State University

Feelings About Farm Financial Position among Kentucky Farmers: Do Beginning Farmers Feel the Same as Experienced Farmers?
By Dominique Gumirakiza, Audrey Barnett, Morgan Mason and Wyatt Lucas, Western Kentucky University

Agricultural Economics

Training, Developing and Mentoring Beginning Organic Dairy and Feed Producers
By Siny Joseph, Kansas State University

Examining Small Farmers’ Networks and the Effect on Financial Performance
By Aditya Khanal (1), Fisseha Tegegne (1), Lan Li (1), Stephen Goetz (2), Yicheol Han (2), Stephen Tubene (3) and Andy Wetherill (4)
1: Tennessee State University; 2: Penn State University; 3: University of Maryland Eastern Shore; 4: Delaware State University

Barriers Farmers Face Regarding Beginning Farmer Government Programs
By Benjamin Travlos, Nichole Busdieker-Jesse and Christine Sudbrock, Missouri State University

February 5, 2019 12:00 pm – 1:30 pm
Lunch Break

OS05: Organized Symposium
Food Delivery Innovations in China: Lessons for Food Safety and Consumer Trust
February 5, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel Forum C

Organizer and Moderator: William H. Meyers, University of Missouri

Factors Affecting Chinese Consumers’ Participation in Fresh Produce E-Commerce
By Shuoli Zhao (1), Lijun Chen (1), Chao Chen (2) and Qianqian Zhai (2)
1: University of Missouri; 2: Nanjing Agricultural University, China
Discussant: Zhifeng Gao, University of Florida

Food Delivery Innovations in China and Food Safety Concerns
By Lixia Zhang, Zengjin Liu and Meilian Yu, Shanghai Academy of Agricultural Sciences, China
Discussant: Mary Marchant, Virginia Tech

OS06: Organized Symposium
Preparing for the Job Market
February 5, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel East Meeting Room D

Organizer: Graduate Student Activities Committee
Panelists: To Be Announced
SP25: Selected Papers
Experimental & Behavioral Economics and Non-Market Valuation
February 5, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel East Meeting Room H

Session Chair: Matthew Interis, Mississippi State University

Do Large Screen Stimuli affect Consumers Preferences and Choices in Choice Experiments
By Xumin Zhang and Hayk Khachatryan, University of Florida

Comparing Inferred Attribute Non-Attendance Between Best-Worst Scaling and Willingness to Pay Choice Experiments
By John Lai (1), Nicole Widmar (2), Courtney Bir (2) and Christopher Wolf (3)
1: Abraham Baldwin Agricultural College; 2: Purdue University; 3: Michigan State University

How Strategic are Stated Preference Survey Respondents in the Simplest Choice Settings?
By Matthew Interis, Mississippi State University

Happy to Take Some Risk: A More Accurate Assessment of the Dependence of Risk Preferences on Mood Using Biometric Data
By Bachir Kassas (1), Marco Palma (2) and Maria Porter (3)
1: University of Florida; 2: Texas A&M University; 3: Michigan State University

Selection, Intake, and Plate Waste Patterns of Leftover Food Items from a Pilot Study with U.S. Consumers
By Brian Roe (1), Danyi Qi (2), John Apolzan (2) and Corby Martin (2)
1: Ohio State University; 2: Louisiana State University

SP26: Selected Papers
Demand Analysis III
February 5, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel East Meeting Room C

Session Chair: Jose Lopez, Texas A&M University-Commerce

U.S. Demand for Citrus Beverages
By Sona Grigoryan and Jose Lopez, Texas A&M University-Commerce

Dynamics of Natural Gas Consumption in Residential Sector Using Error Correction Methods
By Tej Gautam and Krishna Paudel, Louisiana State University

SP27: Selected Papers
Agricultural Best Management Practices
February 5, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel Forum E

Session Chair: Unmesh Koirala, University of Florida

Neighbor Effects on Farmers’ Adoption of Nutrient Management Practices
By Haluk Gedikoglu (1) and Joseph Parcell (2)
1: Konya Food and Agriculture University; 2: University of Missouri

Costs of Nitrogen Loading Reductions by Macro-farm Targeting Methods under Climate Change
By Yuelu Xu and Darrell Bosch, Virginia Tech

Development of Best Management Practice Simulations with Enterprise Budgets for Production in the Flint and Suwanee River Basins
By Guy Albritton Hancock (1), Amanda Smith (1), Unmesh Koirala (2), Fei He (2), Damian Adams (2), Tatiana Borisova (2), Kevin Atteharn (2), Sandra Guzman (3) and Yangxuan Liu (1)
1: University of Georgia; 2: University of Florida; 3: Auburn University

Economic Analysis to Support the Development of Agricultural Best Management Practices and Protect Florida's Springs
By Fei He, Tatiana Borisova, Kevin Attecharn, Robert Hochmuth and Charles Barrett, University of Florida
Understanding the regional economic impact of adopting agricultural Best Management Practices (BMPs) in the Upper Floridan Aquifer (UFA) region
By Unmesh Koirala and Damian Adams, University of Florida

Trade-offs Among Increasing Farm Net Returns and Reducing Emissions of Nitrogen, Phosphorus, Greenhouse Gas Equivalents, and Ammonia in A Dairy Farm
By Nasim Ebadi, Darrell Bosch and Robin White, Virginia Tech

SP28: Selected Papers
Economics of Wildlife Spread and Pests
February 5, 2019 1:30 pm – 3:00 pm
Sheraton Birmingham Hotel Forum F

Session Chair: Phil Kenkel, Oklahoma State University

Feasibility of Feral Swine Trapping Cooperatives
By Phil Kenkel, Oklahoma State University

Assessing Risk Perceptions of Farmers toward Problem Wildlife Impacts on Natural Resources
By Naveen Adusumilli, Shaun Tanger, Hua Wang and Mike Kaller, Louisiana State University

Potential Welfare Impacts from the Continued Spread of Wild Pigs
By Jason J Holdereath, Louisiana Tech University

Economic Implications of the Citrus Greening Disease for Texas
By Samuel D. Zapata (1), Felipe Peguero (1), Mamoudou Setamou (2) and Olufemi Alabi (1)
1: Texas A&M University; 2: Texas A&M University - Kingsville

Effect of Crapemyrtle Bark Scale on Economics of Producer Decision Making and Consumer Preferences
By Pulkit Marwah, Yu Yvette Zhang and Mengmeng Gu, Texas A&M University

The impact of a Cattle Fever Tick quarantine on local cattle auction prices
By Justin Reynaldo Benavidez, David Anderson and Samuel Zapata, Texas A&M University

Effects of Drought and Media-Reported Violence on Cattle Fever Ticks Incursions
By Sarah Berman (1), Jada M. Thompson (1), Hallie Hasel (2), Denise Bonilla (2) and Amy Delgado (2)
1: University of Tennessee; 2: USDA-APHIS-Veterinary Services
Presentations:

Advanced Online Marketing Strategies for Tennessee Farmers
By Megan Bruch Leffew, University of Tennessee

Gate to Plate: Targeting Business and Production Management Training for Women, Beginning & Transitioning Ranchers Selling Meat into the Marketplace
By Sarah Blacklin, North Carolina State University

Implementing Biosecurity & Disease Prevention Measures and Evaluating Marketing Strategies and Contract Opportunities in Small Ruminant Production
By Andrew Griffith, University of Tennessee

Tips for Interviewing and Negotiating Job Offers for Graduate Students
February 5, 2019 3:30 pm – 5:00 pm
Sheraton Birmingham Hotel East Meeting Room D
Organizer: Graduate Student Activities Committee
Panelists: To Be Announced

By Mohammed Ibrahim (1) and Benjamin Onyango (2)
1: Fort Valley State University; 2: Missouri State University

Household Grain Demand Analysis in China: Implications for Grain Imports
By Sanja Zivkovic (1), Kishor Luitel (2) and Haiyan Wang (3)
1: Texas Tech University; 2: Angelo State University; 3: Arkansas Tech University

Semiparametric Estimation of a Censored Demand System: An Application to U.S. Dairy Products Complex
By Long Gao, Senarath Dharmasena and Oral Capps, Texas A&M University

A Comparison of Eco-labeled Household Cleaners and Conventional Cleaners via Demand Side Analysis
By Lianqun Sun, Ryan Blake Williams and Benaissa Chidmi, Texas Tech University

By Armine Poghosyan, Rafael Bakhtavoryan, Jose Lopez and Asli Ogunc, Texas A&M University-Commerce

Farm Management and Agricultural Production
February 5, 2019 3:30 pm – 5:00 pm
Sheraton Birmingham Hotel Forum E
Session Chair: Xiaofei Li, Mississippi State University

Prevented Planting Provision Influence on Corn and Cotton Producers' Late Planting Decision
By Kevin Ray Adkins, Christopher Boyer, Aaron Smith, Andrew Griffith and Andrew Muhammad, University of Tennessee

Temporal Variability of Yield Maps and Its Implications for Management Zone Determination
By Xiaofei Li, Mississippi State University

Forecasting Crop Yields by Continent under Climate Change
By Dae Hee Chung (1), Doo Bong Han (1), Jin Gi Won (1), Wanki Moon (2)
1: Korea University, South Korea; 2: Southern Illinois University

Willingness to Adopt Warm Season Grasses by Tennessee Beef Cattle Operators
By Yongwang Ren (1), Dayton Lambert (2), Christopher Clark (1), Christopher Boyer (1), Burton English (1), Jamey Menard (1), Andrew Griffith (1), Aaron Smith (1), Forbes Walker (1) and Pat Keyser (1)
1: University of Tennessee; 2: Oklahoma State University

Effects of Nitrogen Fertilizer on Grain Yield in Grain Sorghum in the Texas Panhandle
By Christopher Yoe Williams, Kelly Lange, Darren Hudson, Phillip Johnson and Jason Green, Texas Tech University
Herbicide Use Trends: Old Line and New Line Herbicides
By Richard Nehring, USDA Economic Research Service

SP32: Selected Papers
Agricultural and Immigration Policy
February 5, 2019 3:30 pm – 5:00 pm
Sheraton Birmingham Hotel Forum F

Session Chair: Alba Collart, Mississippi State University

Divvying Up the Pie: U.S. Adults’ Preferences for United States Department of Agriculture (USDA) Spending
By Leslie Shea Gould, Keith Coble and Alba Collart, Mississippi State University

Potential Effects of the 2018 Farm Bill on the Conservation Reserve Program
By Brian Cornish and Ruiqing Miao, Auburn University

Impact of 2018 Farm Bill on EQIP and CRP Conservation Programs in Arkansas
By Ranjitsinh Uttamrao Mane (1), Brad Watkins (2) and Kalycya Hawkins (1)
1: University of Arkansas at Pine Bluff; 2: University of Arkansas at Fayetteville

The Real ID Act and Agricultural Exports: A Case Study of an Immigration Policy among U.S. States
By Yunzhe Zhu, University of Kentucky

Earnings Differentials Between H-2A and Domestic Workers
By Skyler Mark Simnitt and Gulcan Onel, University of Florida

The Effects of U.S Immigration Policies on Productivity and Trade of Specialty Crops
By Osei Yeboah (1), Saleem Shaik (2), Sung-Lin Lee (1) and Ricky Nimako Owusu (1)
1: North Carolina A&T State University; 2: North Dakota State University

What Makes People Happy? Explaining the Cross-National Variation of Life Satisfaction
By Jacqueline Kessler (1), Susana Ferreira (1) and Mona Ahmadiani (2)
1: University of Georgia; 2: Wake Forest University

Does the Chinese Outward Directed Investment Influence the Level of Income Inequality in African countries? Evidence from Low-income countries
By Yousef Aburodess Assaid Alkilany and Henry W. Kinnucan, Auburn University

Nutrition, Multidimensional Poverty, and Income
By Fan Yang (1), Krishna Paudel (2), Wanqing Sang (1), Tianhui Zhuang (1) and Weizhong Zeng (1)
1: Sichuan Agricultural University, China; 2: Louisiana State University

Food Consumption and Women’s Empowerment, Some Implications
By Sandra Contreras, Kansas State University

A Diagnostic Test for the “Dutch Disease” in the U.S.A using the ARDL Bound Testing Approach
By Kwame Addey, North Dakota State University

The Impact of Conflict on Health in Iraq: Evidence from Microdata
By Ali M. Dawood, Auburn University

Posters
February 5, 2019 3:30 pm – 5:00 pm
Sheraton Birmingham Hotel Ballroom Prefunction

Posters will be on display Monday and Tuesday. Presenters will be available during this time for questions.

Applied Economic Problem Solving: AAEC 4414. (2019 SAEA Outstanding Teaching of a Course Award)
By Kim Morgan, Virginia Tech University

Two Essays on Whole Farm Modeling and Crop Marketing in Western Kentucky. (2019 SAEA Outstanding Master’s Thesis Award) by Ben Martin, University of Kentucky, Advisor: Dr. Tyler Mark

No-Till Farming Practices Offer Cost Savings and More Profit Potential to Cotton and Grain Sorghum Producers
By Alan Mac Young, Jamie Foster, Joshua Mcqinty, Steven Klose and Andrea Maeda, Texas A&M University
Return Variance in Corn and Soybean Futures Markets Pre- and Post-WASDE Report Release: Implications for Producer Hedging By Sarah Elizabeth Best (1), Aaron Smith (1), Todd Davis (2) and Chris Boyer (1) 1: University of Tennessee; 2: University of Kentucky

The Costs and Benefits of Using Biological Agents to Control the Air Potato (Dioscorea Bulbifera) in Florida By Godfred Gakpetor and Michael Thomas, Florida A&M University

Price Discovery in the United States Dairy Industry By Yuliya Bolotova, Clemson University

The Effect of Foreign Direct Investment on Food Security: A Case Study from Rural Mozambique By Kali Fleming, Lawton Lanier Nalley, Bruce Dixon and Jennie Popp, University of Arkansas

Developing Soft Skills Through Team Activities By Joey Mehlhorn, Sandy Mehlhorn, Rachna Tewari and Ben Walker, University of Tennessee at Martin

Fluctuations of apple variety prices on selected wholesale markets in Poland before and after imposition of the Russian embargo By Anna M. Klepacka (2), Wojciech Florkowski (1) and Cesar Revoredo-Giha (3) 1: University of Georgia; 2: Warsaw University of Life Sciences-SGGW; 3: Scotland Rural College

A GIS Based Approach to Allocating Poultry Litter for Electricity Production and Resulting Economic Impact By Krishna Paudel (1), Huizhen Niu (1), Doleswar Bhandari (2) and Quizhuo Ma (3) 1: Louisiana State University; 2: New Mexico State University; 3: Guangdong University of Foreign Studies, China

Economic Impact of Ethanol Biorefineries in Rural Iowa By Scott Wayne Hall, Sayed Saghaian and David Freshwater, University of Kentucky

Enhancing Student Learning via Technology: Video Game Simulation Use in Farm Management Courses By Kelly Lange (1), Rachna Tewari (2), Joey Mehlhorn (2) and Christopher Williams (1) 1: Texas Tech University; 2: University of Tennessee at Martin
By Sungwon Jang, National Institute of Agricultural Sciences, South Korea

Projections of Soybean Breakeven Prices, Profits, and Losses Using Preharvest Booking Prices and Cost of Production Budgets
By Charles Robert Stark (1) and Breana Watkins (2)
1: University of Arkansas at Monticello/UA Division of Agriculture; 2: UA Division of Agriculture

High School Outreach Curriculum Development: Introducing High School Students to Various Aspects of Farming Through an Agricultural Camp
By Sierra Howry, Samantha Payne, Matthew Digman and Nick Hovel, University of Wisconsin-River Falls

Analyzing Economic Feasibility of Extending the Growing Season for Vegetable Production
By Brannan Hamm (1), Vijay Subramaniam (1), Tim Woods (2) and Alex Butler (2)
1: Morehead State University; 2: University of Kentucky

Eliciting Value of Urban Forest in Developing Countries: A Case Study from the Philippines
By Alfredo Lorenzo, Michee Lachaud, Michael Thomas and Daniel Solis, Florida A&M University

The Effect of Framing on Genetically Modified Food Choices: A Query Theory Account
By Taylor Pruitt, Nathan Paul Kemper, Jennie Popp and Rodolfo M. Nayga, University of Arkansas

Welfare Consequences of Food Price Increase in Russia
By Magdana Kondaridze and Vardges Hovhannisyan, University of Wyoming

Transboundary Groundwater Management between Mississippi Delta and Memphis
By Hannah Irwin and Seong Yun, Mississippi State University

Determining Optimal Start-up Strategy for a Cow-Calf Producer to Maximize Long-Term Profitability and Minimize Risk
By Jared Matthew Bruhin, Carlos Jose Omar Trejo-Pech, Christopher Boyer and Aaron Smith, University of Tennessee

2018 Producer Trade Assistance Education in Texas
By Henry Nelson and Joe Outlaw, Texas A&M University

Economic Feasibility of Conserving Water with High Value, Locally Grown Vegetable Crop Production
By Mandi Boychuk (1), Bridget Guerrero (1), Charles Rush (2) and J. Tanner Robertson (1)
1: West Texas A&M University; 2: Texas A&M University

How Do Water Conservation Technologies Impact Welfare?
By Saber Feizy (1) and Seyed Sa'dar Hosseini (2)
1: University of Kentucky; 2: University of Tehran, Iran

Willingness to Pay to Support Non-Honey Bee Pollinator Conservation
By Alexander Paul Hildreth (1), Jerrod Penn (1), Macy Hagan (2) and Wuyang Wu (3)
1: Louisiana State University; 2: University of Kentucky; 3: Ohio State University

Trade-offs Among Increasing Farm Net Returns and Reducing Emissions of Nitrogen, Phosphorus, Greenhouse Gas Equivalents, and Ammonia in A Dairy Farm
By Nasim Ebadi, Darrell Bosch and Robin White, Virginia Tech

Australian Shepherd Owners' Preferences for Dog Food
By Megan Ashley Cirkles, Robert L. Williams, Jose Lopez and Ray Green, Texas A&M University - Commerce

Economic Comparison of Pasture-based Forage Management Systems for Beef Cattle in the Midwest
By Nichole Lydia Busdieker-Jesse, Missouri State University

Using Topological Data Analysis to Understand the Effect of Community Rating System on Flood Hazard Mitigation
By Mohammadreza Zarei and Craig Landry, University of Georgia

Do our Food Choices, Shopping Habits and Demographics Reflect our Definitions of Sustainability?
By Arbindra Rimal, Christine Sudbrock and Frianca Nance, Missouri State University
8:45 – 9:15 a.m.
Vespers, Birmingham Ballroom 1 (SBH-1) Stephen
Edwards, University of Mount Olive

9:30 – 10:00 a.m.
Agricultural Education Opening Session, Birmingham Ballroom 1 (SBH-1)

10:15 – 11:45 a.m.
Concurrent Research Session I – 15 minute presentations, 15 minutes of discussion

Session A – Diversity and Inclusion, East Meeting Room B (BJCC-1)
Discussant and Chair: TBD
Facilitator: TBD

Barriers, Challenges, and Alternatives of Recruiting Minority Students into Secondary School Agriculture Education Programs, K. S. U. Jayaratne, Travis Park, & Jason Davis

Women Faculty in Postsecondary Agricultural and Extension Education: A Fifteen Year Update, Lauren Lewis Cline, Dr. Haley Rosson, Dr. Penny Pennington Weeks

Empowering Underrepresented Populations in STEM: Experiences of Agricultural Education Majors During a Service-Learning Project, Dr. Richie Roberts, Dr. Chastity Warren English, Dr. Antoine J. Alston

Session B – Professional and Institutional Improvement, East Meeting Room D (BJCC-3)
Discussant and Chair: TBD
Facilitator: TBD

There’s No Place Like Home: Why Students Enrolled in an Agricultural Leadership Degree Completion Program, Dr. Penny Pennington Weeks, Dr. William G. Weeks, Lauren Lewis Cline

Does Experiential Learning Improve Student Performance in an Introductory Animal Science Course?, Dr. Eric D. Rubenstein, Savannah R. White, Dr. C. Robert Dove, Dr. T. Dean Pringle

Coauthor Network Analysis of Journal of Agricultural Education Articles from 2008-2017, Quisto Settle, Kathryn L. Teixiera, Rachel Bechtold, Catherine W. Shoulders, Audrey E. H. King

12:00 – 1:30 p.m.
Luncheon and introduction of graduate students and new faculty, Forum J (FB-3)

1:30 – 2:30 p.m.
Committee Meetings – Membership Services, East Meeting Room K (BJCC-3)
Program Improvement, East Meeting Room F (BJCC-3)
Professional Development, East Meeting Room E (BJCC-3)
Research, East Meeting Room J (BJCC-3)

2:45 – 4:00 p.m.
Innovative Poster Session, Ballroom Prefunction (SBH-1)

A Bully-Free World, LaToya Browk, Donna J. Peterson, Alisha Hardman, & Kirk A. Swortzel

A Novel Educational Experience: A Hybrid Lab Course In a Microbiology Major, Macarena Urrets-Zavalia, Sebastian Galindo-Gonzalez, Jennifer C Drew, Alexandria N Ardissone, Monika W Oli, Kelly C Rice, Associate, & Eric W Triplett

Agricultural Mechanics for Non-Traditional Students, Natalie Kincy Ferand & Andrew C. Thoron
Agriscience Fair Jackpot: An Outreach Activity to Attract Science-minded Secondary Agriculture Students to an 1890 Land-grant University, John Ricketts

Agriscience Teacher Education Symposium, Debra Barry & Dr. Andrew Thoron

An Experiential Learning Approach to Improving Multicultural Education Among Preservice Teachers, Brett M. Wasden, Sarah Warren, & Stacy K. Vincent

Andragogical Lessons Learned from the Stockyards Beef Learning Series, Sarah Warren, & Dr. Rebekah B. Epps

Building Agricultural Leadership Through Policy Explorations, Daniel Radford, Joy Morgan, & Blake Brown

Community Supported Agriculture for Floral Design, Natalie Kincy Ferand & Andrew C. Thoron

Differentiating Teaching Philosophies, Jason Bullock, Susan Jones, & Wendy J. Warner

Equine Vaccinations: A "Ready-made" Lesson for 4-H Youth, Sarah Bagley & Dr. Shane Robinson

Exploring My World: A Cultural Awareness Curriculum, Emily Cox, Julie Sexton, Kirk Swortzel, Tommy Phillips, & Susan Seal

Food and My Story: An Exercise in Diversity Consciousness, Cammie Weaver, Penny Pennington Weeks, & William Weeks

Georgia Agricultural Education Partners for Pollinators, Ashton Wheeless, Ami Harrington, Ashley Yopp, & Barry Croom

Implementation of Video-Based STEM Curriculum Marketed Through Social Media, Haley Kinney, Kristin Knight, Hannah Branscum, & Jeff Sallee

Inclusion of Special Education Students in Agricultural Education Through Cooperative Learning, Bradley Coleman & J.C. Bunch

Let’s Recap!: Using a Popular Smartphone Application to Facilitate Critical Reflection, Adam O’Malley, Olivia Soler, Richie Roberts, Kristin S. Stair

Katie Monroe, Beatrix Haggard, Marshall A. Baker, J. Shane Robinson, Jeff Sallee, & Gopal Kakani

Project PLANTS: Planting Middle School Leaders in Agriscience, Rachel Berube, Elizabeth Driscoll, Elizabeth Overcash, & Travis Park

Putting the “Pro” in Program: Facilitating Preservice Teachers’ School-based Agricultural Education Program Development Competencies in a Youth Program Development Course, OP McCubbins & Trent Wells

Students for Cultivating Change: Developing Safe Environments for LGBTQ+ Students, Jeremy Elliott-Engel, Chelsea Corkins, Joaquin (Ryan) Amaral, Donna Westfall-Rudd, & Rick Rudd

Teach Ag Digital Escape Room, Kathryn L. Teixeira, Christopher J. Eck, Jessica M. Toombs, & J. Shane Robinson

The edTPA Planner: Providing a Roadmap for a High-Stakes Performance Assessment, Wendy J. Warner, Shelby Bireley Travis D. Park, Joy E. Morgan, & Susan Jones

The Impact of Social-Academic Experiences on In-Class Engagement, Jordan DeWitt, Chandler Mulvaney, & Nick Fuhrman

Tools and Techniques for Revising a State Extension Performance Appraisal System for Extension Agents, County Directors, and Area Extension Specialists, Joseph L. Donaldson

Using 360 Video for Teaching Performance Reflection, OP McCubbins

Using a Team-based Online Simulation to Promote Undergraduate Student Learning Outcomes in a Leadership Course on Groups and Teams, Jonathan Orsini, Austin Council, & Nicole Stedman

Using Stories and Imagery to Impact Learning in a College of Agriculture, Diane Friend

5:00 p.m.
SAAS Reception/ Super Bowl Party
Southern Kitchen and Bar, Uptown Entertainment District, 2301 Richard Arrington Jr Blvd N #300, Birmingham, AL 35203

Monday, February 4th

8:00 – 10:00 a.m.
Registration, Ballroom Prefunction (SBH-1)
AGRICULTURAL EDUCATION

8:00 – 9:00 a.m.
Breakfast, Ballroom 3 (SBH-1)

9:00 – 10:30 a.m.
Concurrent Research Session II – 15 minute presentations, 15 minutes of discussion

Session D – Community and Civic Engagement,
East Meeting Room D (BJCC-3)
Discussant and Chair: TBD
Facilitator: TBD

Factors Impacting Civic Responsibility Development During FFA Civic Engagement Activities, Dr. Will Bird, Dr. Amanda Bowling, Dr. Anna Ball

Benefits of Using Service-Learning in the Preparation of Teachers: An Analysis of Agricultural Education Teacher Educators’ Beliefs and Intentions, Dr. Richie Roberts, M. Craig Edwards, J. Shane Robinson

Agriculture Organization Members’ Communication Preferences and Motivation to Contact Elected Officials about Agriculture and Natural Resources Issues, Levy Randolph, Caroline Roper, Dr. Shelli D. Rampold, Dr Ricky W. Telg

Session E – Enhancing Learning Experiences,
East Meeting Room L (BJCC-3)
Discussant and Chair: TBD
Facilitator: TBD

Developing Metrics for Predicting Student Motivation to Enroll in a Short-Term Study Abroad Course from an Expectancy-Value-Cost Perspective, Brandon M. Raczkoski, J. Shane Robinson, M. Craig Edwards, Marshall A. Baker, Sarah R. Gordon, and Ki L. Matlock-Cole

The Ugly Truth of Student-Teacher (Dis)engagement: An Ethnographic Account, Ashley M. Yopp, Billy R. McKim, Yvonna S. Lincoln

Utilizing Videos to Encourage Elaboration and Improve Attitudes Toward Fertilizer Best Practices, Tiffany M. Rogers-Randolph, Dr. Laura A. Warner, & Dr. Joy N. Rumble

Session F – Secondary Based Agricultural Education, East Meeting Room J (BJCC-3)
Discussant and Chair: TBD
Facilitator: TBD

Determining the Effects of the Smartphone as a Learning Tool on the Motivation of School-Based Agricultural Education Students in [State], H. Eric Smith, J. Joey Blackburn, Kristin S. Stair, Michael F. Burnett

Identifying the Characteristics Necessary for Becoming an Effective Agricultural Education Teacher: A National Study, Christopher J. Eck, J. Shane Robinson, Jon W. Ramsey, & Ki L. Matlock-Cole

Teaching Students with Special Needs in School-Based, Agricultural Education: A Historical Inquiry, Kathryn L. Teixeira, Dr. M. Craig Edwards

10:45 – 11:45 a.m.
SR-AAAE Business Meeting Session I,
Birmingham Ballroom 1 (SBH-1)
Travis Park, SR-AAAE President

12:00 – 1:30 p.m.
Luncheon and Distinguished Lecture,
Birmingham Ballroom 3 (SBH-1)

1:30 – 2:45 p.m.
Research Poster Session,
Ballroom Prefunction (SBH-1)

[State] Agriculture in the Classroom Program: Through the Lens of Educators, Jessica N. Smith, Carley C. Morrison, Michael E. Newman, & Julie B. White


An Assessment of Agricultural Science Teachers’ Knowledge of Biotechnology and Experience through Piloting New Biotechnology Curriculum, Tanya C. Franke-Dvorak & Sue E. Nokes

Completers of a Summer Residential Program for Agriculture: Where are They Now? Abigail Hemby, Brittany Hoover, Jeremy Elliot-Engel, & Curtis Friedel

Cultural Competence: How Skilled are Students Across Majors? Candy Grant & Carla B. Jagger
Cultural Engagement Among Agriculture, Food and Life Science Honors Students, Isabel Whitehead, Casandra Cox, & K. Jill Rucker

Culturally Responsive Teaching: Experiences of Underrepresented Students, Christien Russell, Abbigail Petersen, & Carla B. Jagger

Development and Evaluation of a Variable-Frequency Drive Trainer for use in a University Agricultural Electricity Course, Colton Teekell, Patterson Hilaire, & Donald Johnson

Do Teachers Need Support to Teach Students with Specific Learning Disabilities, Kailee Morris & Catherine A. DiBenedetto

Echoes in the Void: Agriculturalists Perceptions of Communicating with Non-Agricultural Populations, Chris Clemons & James Lindner

Educational Feedback Formats: Student Perceptions in an Undergraduate Honors Research Course, Rachel Bechtold & Catherine Shoulders


Establishing Instrument Validity for the Professional Identity Scale in Agricultural Educators: A Focus on the Agriculturalist’s Professional Identity, Mary Samoei & Catherine Shoulders

Extension’s Role in Precision Agriculture: A Case Study of Auto-Steer Adoption in [state], Patrick J. Poindexter, Annabelle Stokes, & Laura L. Greenhaw

Faculty Perspectives on and Strategies for Mentoring Underrepresented Minority Students in Research, Donna Westfall-Rudd & Hannah Scherer

Fostering Academic Success for University Agriculture Students: The Role of Social Self-Efficacy on First-Year Grade Point Average, Morgan A. Richardson, Whitney L. Figland, Adam O’Malley, Olivia Soler, Kristin S. Stair, Richie Roberts, & J. Joey Blackburn

Is ‘Rural’ a Risk Factor for Freshmen-to-Sophomore Non-Retention in a College of Agriculture? Isabel Whitehead, Donald Johnson, Kate Shoulders, & Leslie Edgar

Poultry Labeling: Knowledge and Perceptions among Adolescents, Eleni Parsons, K. Jill Rucker, Leslie D. Edgar, M. Betsy Garrison, & Casandra Cox

Ringing the Schoolhouse Bell: Identifying Competencies, Attitudes and Perceptions of Teacher Success and Longevity, Tegan Walker, Chris Clemons, & James Lindner

Risk and Dread Perceptions of Secondary Agricultural Student: An Exploratory Study Using the Psychometric Paradigm, Brett Wasden, Stacy K. Vincent, & Mason Tate

Teaching Enhancement through Agricultural Laboratories Workshop: Effects on Self-Efficacy towards and Intent to Teach Simulated Laboratories, Reagan J. Grubbs, Donald M. Johnson, Catherine W. Shoulders, Donna L. Graham, & George Wardlow

The Benefits of Student-Created Plant Identification Notebooks, Tristen Brooke Johnson, Summer Lee Taylor, & Stephen Wyatt Edwards

The Effect of a Teaching in a Laboratory Setting Course on Pre-Service Teacher Self-Efficacy, Brianna N. Shanholzter & Andrew C. Thoron

The Role of Living-Learning Communities and University Agriculture Students’ Retention, Olivia Soler, Adam O’Malley, Whitney L. Figland, Morgan A. Richardson, Kristin S. Stair, Richie Roberts, & J. Joey Blackburn

Victory Gardens: Significance to 4-H, Cooperative Extension, and Agricultural Education, Emma Cannon, Barbara Kirby, & Joy Morgan

What Effect Does an Encouraging Email Have on Motivating Students for a Course Before the Semester Starts? Lauren Lewis Cline & Dr. J. Shane Robinson

What Factors Influence College Students’ Proficiency for Career Readiness? Victoria C. Willis, Catherine A. DiBenedetto, & Michael Vassalos

3:00 – 4:30 p.m.

Professional Development Sessions, Each workshop will be 25 minutes in length and will be run three times. Participants will choose three workshops to attend and will rotate through.

Review of JAE Manuscripts, Dr. Kate Shoulders

East Meeting Room E (BJCC-3)
AGRICULTURAL EDUCATION

Qualitative and Historical Research Basics, Dr. Craig Edwards, Dr. Barry Croom
East Meeting Room G (BJCC-3)

Qualitative Data Methodology, Dr. Holly Whitaker
East Meeting Room I (BJCC-3)

Quantitative Design and Frameworks, Dr. Don Johnson
East Meeting Room O (BJCC-3)

5:00 – 7:00 p.m.
Host State Social, Good People Brewing Company
114 14th St S, Birmingham, AL 35233
Transportation will be on your own

Tuesday, February 5th

7:30 – 8:30 a.m.
Breakfast, Ballroom 3(SBH-1)

8:30 – 9:30 a.m.
SR-AAAE Business Meeting Session II,
Birmingham Ballroom 1 (SBH-1)
Travis Park, SR-AAAE President

9:45 – 11:15 a.m.
Concurrent Research Session III – 15 minute presentations, 15 minutes of discussion

Session G – Faculty Teaching and Learning, East Meeting Room J (BJCC-3)
Discussant and Chair: TBD
Facilitator: TBD

Perceived Self-efficacy for Teaching and Faculty Development Needs of Early Career Faculty at Land Grant Universities, Dr. Lucas Maxwell, Dr. Will Bird, & Dr. Anna Ball

Exploring Learning Styles Expressed In Teaching Philosophies Among University Faculty, Tyler D’Angelo, Jessica Harsh, J.C. Bunch, Alexa J. Lamm, Andrew Thoron, T. Grady Roberts

The rookie: Describing a researcher’s first year teaching in a university classroom, Emma Winterhalter, Carley C. Morrison, Jesse I. Morrison

Session H – Undergraduate and Secondary Curriculum Development, East Meeting Room D (BJCC-3)
Discussant and Chair: TBD
Facilitator: TBD

Undergraduate Students’ Perceptions of Team-Based Learning During an Introductory Agricultural Mechanics Course: A Mixed Methods Study, Whitney L. Figland; J. Joey Blackburn; Richie Roberts

Improving Forestry Secondary Education: Identifying Teachers’ Needs, Dr. Eric D. Rubenstein, Dr. Carolyn A. Copenheaver, Dr. Jason B. Peake

I think I can!: Utilizing Goal Orientations and Academic Efficacy to Predict the Academic Performance of Freshmen College of Agriculture Students, Olivia Soler, Adam O’Malley, Whitney L. Figland, Morgan Richardson, J. Joey Blackburn, Kristin S. Stair, Richie Roberts

Session I – Leadership Development and Goal Setting, East Meeting Room L (BJCC-3)
Discussant and Chair: TBD
Facilitator: TBD

Leadership Development Program Satisfaction: An Evaluation of the Role of Leader Member Exchange, Dr. Kevan W. Lamm, Dr. Kerry Priest

Undergraduate Goal Setting: Analyzing Personality as a Predictor, Dr. Kevan W. Lamm, Emana Sheikh, Dr. Don W. Edgar

Evaluating Leadership Development Programs: A Social Network Analysis Approach, Dr. Kevan W. Lamm, Dr. Hannah S. Carter

11:30 – 1:30 p.m.
Awards Luncheon
Birmingham Ballroom 3 (SBH-1)

SR-AAAE Conference Adjourns After Lunch
SUNDAY, FEBRUARY 3, 2019

Registration: 10:00
AM - 4:00 PM
Forum Building – Lobby - Third Floor

POSTER SESSION 1:00 PM - 4:00 PM
Authors Present from 1:00 PM- 3:00 PM
Sheraton Hotel - Birmingham Ballroom Prefunction – First Floor

UNDERGRADUATE STUDENT POSTER COMPETITION – CROPS AND SOILS

1. Influence of Trichoderma Species on Biomass Production and Nutritive Value of Warm-Season Annual Grasses. Lizney Rudds, University of Arkansas - Pine Bluff; Rocky W. Lemus, Mississippi State University; Corianne Schmidt, Mississippi State University

2. Evaluation of BMR Forage Systems for Beef Cattle Performance in Mississippi. Corianne Schmidt, Mississippi State University; Rocky W. Lemus, Mississippi State University; Lizney Rudds, University of Arkansas - Pine Bluff

3. Continuation of a Long-Term Copper Fertility Experiment. Nolan M Mullican, Murray State University; James Brandon Clark, Murray State University; John D Mikulcik, Murray State University; David L Ferguson, Murray State University

4. ALS-Inhibiting Herbicides on Germination and Seedling Growth in Two Cultivars of Switchgrass. Calyn Adams, Mississippi State University; Jesse I. Morrison, Mississippi State University; Brian S. Baldwin, Mississippi State University

5. Evaluating the Impacts of Tillage Systems and Cover Crops on Soil Quality. Carrie Ann Fallowell, Murray State University; Iin P. Handayani, Murray State University; David L Ferguson, Murray State University

6. Assessing Urban and Rural Soil Characteristics in Various Ecosystems. Gabrielle Barnes, Murray State University; Iin P. Handayani, Murray State University; Steven M. Still, Murray State University

7. Evaluating the Effect of Osmotic Stress Tolerance in Maize Based on in Vitro Seed Germination. Anna Beth Gaudin, Mississippi State University; Charles Hunt Walne, Mississippi State; K. Raja Reddy, Mississippi State University

8. Supplemental Nitrogen Use in Soybeans. John Taylor Elliott, Abraham Baldwin Agricultural College; William Slaton Lunsford, Abraham Baldwin Agricultural College; Alex McLemore, Abraham Baldwin Agricultural College; Michael J Maw, University of Missouri-Columbia

9. Developing Functional Relationships between Sesame (Solanum indicum L.) Growth Development and Nitrogen Nutrition during Early-Season. Anna Beth Gaudin, Mississippi State University; Charles Hunt Walne, Mississippi State; K. Raja Reddy, Mississippi State University
1. IMPACT of LAND Management Practices on Selected Soil Properties, Enzyme Activities and Bacterial Communities. Sangita Karki, Tuskegee University; Raymon Shange, Tuskegee University

2. Corn Yield, Plant N Uptake and Environmental N Loss Differences Under Urea and Poultry Litter Application at Different Rates and Timing in Alabama Soils. Rajveer Singh, Auburn University; Rishi Prasad, Auburn University; Kip Balkcom, USDA-ARS; Elizabeth A. Guertal, Auburn University; Jasmeet Lamba, Auburn University; Brenda V. Ortiz, Auburn University

3. Cotton Response to Polyhalite Fertilization. Carson Riley Wade, Texas A&M University; Julie A Howe, Texas A&M University; Brady Arthur, Texas A&M University; Joseph Burke, Texas A&M University

4. Using Spatial Correlation Analysis to Identify Ancillary Data for Soil Fertility Mapping. Jordan Oldag, Auburn University

5. Soil Enzymatic Activities Under Various Customized Poultry Litter Application. Sangita Karki, Tuskegee University; Raymon Shange, Tuskegee University; Ramble O. Ankumah, Tuskegee University; Osagie Idehen, Tuskegee University

6. Radish Cover Crop Growth and Compaction Alleviation: Effects of Cultivar and Planting Date. Trevor Cofer, Auburn University; Audrey V Gamble, Auburn University

7. Soybean (Glycine max) Cultivar Response to Iron Deficiency Chlorosis. Kyle Sorrels, Mississippi State University; J. Trenton Irby, Mississippi State University; Alanna B. Scholtes, Mississippi State University; Chase A. Floyd, Mississippi State University; Charlie Stokes, Mississippi State University; Dennis Reginelli, Mississippi State University

8. Evaluation of the Impact of Fungicide Application Timing on Soybean (Glycine max) Growth, Development, and Yield. Chase A. Floyd, Mississippi State University; J. Trenton Irby, Mississippi State University; Angus L. Catchot, Mississippi State University; Thomas W. Allen, Mississippi State University; Darrin M. Dodds, Mississippi State University; Jason M. Sarver, Indigo Ag; Alanna B. Scholtes, Mississippi State University

9. Characterization of Phosphorus(P) in Poultry Litter and Determination of P Extraction Efficiency of Extractants. Poulomi Dey, Auburn University; Rishi Prasad, Auburn University; Debolina Chakraborty, Auburn University; Brenda Higgins, Auburn University; Audrey Gamble, Auburn University; Yucheng Feng, Auburn University

10. Establishment of Quail Habitat in Native Warm Season Grasses. Lori Hearon, Mississippi State University; Jesse Morrison, Mississippi State University

11. Phosphorus Characterization of Alabama Soils Under Different Management Practices for Environmental Risk Assessment. Anjan Bhatta, Auburn University; Rishi Prasad, Auburn University; Debolina Chakraborty, Auburn University; Joey N. Shaw, Auburn University; Eve Brantley, Auburn University; Jasmeet Lamba, Auburn University

12. Contributions of the First True Leaf to Seedling Vigor Under Different Field Conditions. Gurpreet Virk, University of Georgia-Tifton; John Snider, University of Georgia-Tifton; Cristiane Pilon, University of Georgia – Tifton

13. Long-Term Effects of Different Cover Crops, Tillages, and Nitrogen Fertilization Rates on Soil Properties Under Continuous Cotton System of West Tennessee. Safak Ceylan, University of Tennessee-Knoxville; Forbes R. Walker, University of Tennessee-Knoxville; Sindhu Jagadamma, University of Tennessee-Knoxville; Amin Nouri Ghara Hassanlou, University of Tennessee-Knoxville; Brian G. Kozlowski, University of Tennessee-Knoxville
<table>
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<tr>
<th><strong>GRADUATE STUDENT POSTER COMPETITION</strong></th>
<th><strong>AGRONOMY</strong></th>
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<tbody>
<tr>
<td><strong>− Ph.D. Students</strong></td>
<td>8. Comparison of Eddy Covariance Evapotranspiration Measurements to DSSAT Simulation for Dryland Corn and Cotton in East-Central Texas. Dorothy Menefee, Texas A&amp;M University; Nithya Rajan, Texas A&amp;M University</td>
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<td>2. Evaluating Haney’s Soil Health Test on Various Agroecosystem Traits in West Tennessee. Surendra Singh, University of Tennessee-Knoxville; Sindhu Jagadamma, University of Tennessee-Knoxville; Forbes R. Walker, University of Tennessee-Knoxville</td>
<td>10. Irrigation, Planting Date, and Corn (Zea mays L.) Hybrid Selection Impacts on Aflatoxin Accumulation. John J. Williams, Mississippi State University; W. Brien Henry, Mississippi State University</td>
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<td>3. Elucidating the Combined Effects of Organic and Conventional Grain Cropping Systems with Tillage Methods on Soil Organic Carbon Distribution. James Littrell, University of Tennessee-Knoxville; Sindhu Jagadamma, University of Tennessee Institute of Agriculture; Emmanuel Omondi, Rodale Institute; Sutie Xu, University of Tennessee-Knoxville</td>
<td>11. Development of a Methodology to Irradiate Peanut (Arachis hypogaea L.) Seeds to Simulate Stand Problems in Small Plot Trials. Sara E. Pelham, University of Georgia - Tifton; W. Scott Monfort, University of Georgia - Tifton; R. Scott Tubbs, University of Georgia - Tifton</td>
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<td>4. TBD. Ana Julia Azevedo, University of Georgia-Tifton</td>
<td>12. Metabolic Traits Associated with Drought Tolerance in Peanut Genotypes. Leticia de Aguila Moreno, University of Georgia-Tifton; Cristiane Plon, University of Georgia - Tifton; Beatriz Fabreti da Silva, University of Gerogia; Ana Carolina da Costa Lara-Fioreze, Universidade Federal de Santa Catarina; C. Corley Holbrook, USDA-ARS</td>
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<tr>
<td>5. Determining Proper Row Orientation and Seeding Population for Soybean Production. Richard E. Turner, Mississippi State University; M. W. Ebelhar, Mississippi State University</td>
<td>13. Plot-Scale Evaluation of Moisture Control on Soil Organic Carbon Dynamics. Shikha Singh, University of Tennessee-Knoxville; Sindhu Jagadamma, University of Tennessee-Knoxville; Avat Shekoofa, University of Tennessee-Knoxville; Melanie Mayes, Oak Ridge National Laboratory</td>
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<tr>
<td>6. Conservation Production Systems Influence on Selected Mid-Southern USA Furrow-Irrigation Properties. Corey Bryant, Mississippi State University; L. Jason Krutz, Mississippi State University; Martin A. Locke, USDA-ARS; Daniel B. Reynolds, Mississippi State University; Bobby R. Golden, Mississippi State University; Trent Irby, Mississippi State University; Wade Steinriede Jr., USDA-ARS</td>
<td>14. Optimizing Irrigation Management Strategies for Energycane Production Using DSSAT Support System Tool. Pramod Pokhrel, Texas A&amp;M University</td>
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<td>7. Soil Physical and Chemical Properties Under Conservation Management Practices. Gene Spencer, Mississippi State University; L. Jason Krutz, Mississippi State University; Martin A. Locke, USDA-ARS; Brien Henry, Mississippi State University; Bobby Golden, Delta Research and Extension Center</td>
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15. Characterizing Resistance to Reniform Nematode in Accessions of *Gossypium barbadense* Based on Classical Growth Analysis. Bhupinder Singh, Mississippi State University; Daryl Chastain, Mississippi State University; John Snider, University of Georgia-Tifton; K. Raja Reddy, Mississippi State University; L. Jason Krutz, Mississippi State University; Sally Stetina, United States Department of Agriculture, Agricultural Research Service


17. Greenhouse Gas Emissions from Cover Crop Decomposition in an Organic Corn Field in Texas. Diza Zapata, Texas A&M University; Nithya Rajan, Texas A&M University; Kenneth D. Casey, Texas A&I Research-Amrillo; Ronnie W. Schnell, Texas A&M University; Jake E. Mowrer, Texas A&M AgriLife Extension Service

18. Evaluating Corn Hybrid Variation in Response to Soil Moisture Stress. Charles Walne, Mississippi State University; K. Raja Reddy, Mississippi State University

19. Local Effective Microorganisms: Farmers Making Their Own Biological Inoculant for Improved Soil Health. Laura Ney, University of Georgia-Athens; Dorcas H. Franklin, University of Georgia-Athens; Kishan Mahmud, University of Georgia-Athens; Miguel L. Cabrera, University of Georgia - Athens; Dennis W. Hancock, University of Georgia-Athens; Mussie Y. Habteselassie, University of Georgia-Griffin; Quint Newcomer, University of Georgia; Subash Dahal, University of Georgia-Athens; Anish Subedi, University of Georgia

PROFESSIONAL POSTER – CROPS

1. Increasing Fertilizer Rates - Impact on Yield in Twin-Row Corn and Soybean Grown in Rotation. M. Wayne Ebelhar, Mississippi State University; Richard E. Turner, Mississippi State University

2. Initial Observations from Stepwise Input Additions and Deletions for Corn in the Mississippi Delta. M. Wayne Ebelhar, Mississippi State University; Richard E. Turner, Mississippi State University

3. Mississippi State University Extension Soybean Variety Demonstration Program. Alanna B. Scholtes, Mississippi State University; J. Trenton Irby, Mississippi State University; Chase A. Floyd, Mississippi State University; Kyle Sorrels, Mississippi State University; Garrett Oswalt, Mississippi State University

4. Effect of Row Spacing on Biomass Yield of Energy Cane Cultivar H072-114. Hari Pratap Singh, Fort Valley State University; Anuj Chiluwal, Kansas State University; Jamaura Williams, Fort Valley State University; Venkata Nagendra Degala, Fort Valley State University

5. Effect of Skip-Row Furrow Irrigation on Corn and Soybeans Growth and Yields in Different Soil Types. Syam K. Dodla, Louisiana State University; Josh Copes, Louisiana State University Northeast Research & Ext. Ctr.; Bharat Sharma Acharya, Louisiana State University Agricultural Center

6. Decision Support System for Planting and Physiological Maturity of Mississippi Corn. Patrick J. English, Mississippi State University; Sherri L. DeFauw, Ascend Geospatial LLC

7. Effect of Seeding Distance from Subsurface Banded Poultry Litter on Corn Yield and Leaf Nitrogen in a Conservation Tillage System. Amanda J. Ashworth, USDA-ARS; Daniel H. Pote, USDA-ARS; Thomas R. Way, USDA-ARS; Dexter B. Watts, USDA-ARS; Larry C. Purcell, University of Arkansas

8. Seed Chemical Composition Responses to Nitrogen and Sulfur Nutrition in Oilseed Brassicas. Ramdeo Seepaul, North Florida Research & Education Center; Ian M Small, North Florida Research & Education Center; Shreeja George, North Florida Research & Education Center; David L Wright, North Florida Research & Education Center
9. Corn (Zea maize L.) Height in a Mid-South Production System, and Breeding Implications. William Brien Henry, Mississippi State University; John J. Williams, Mississippi State University

PROFESSIONAL POSTER – SOILS

1. Do Biofuel and Cover Crops Affect Soil Thermal Properties? Samuel I Haruna, Middle Tennessee State University/University of Missouri; Stephen H. Anderson, University of Missouri; Nsalambi V. Nkongolo, Institut Facultaire des Sciences Agronomiques; Timothy M. Reinbott, University of Missouri; Syaharudin Zaibon, University Putra Malaysia


SAAS Program

4:00 PM-5:00 PM
SAAS Business Meeting
Forum Building – Room G - Second Floor

5:00 PM
Social and Super Bowl Party
Southern Kitchen & Bar
2301 Richard Arrington Jr. Blvd.
9:00 AM Evaluation of Row Spacing, Planting Date and Fungicide Application on Soybean (Glycine max) Growth, Development and Yield. Chase A. Floyd, Mississippi State University; J. Trenton Irby, Mississippi State University; Angus L. Catchot, Mississippi State University; Thomas W. Allen, Mississippi State University; Darrin M. Dodds, Mississippi State University; Jason M. Sarver, Indigo Ag; Alanna B. Scholtes, Mississippi State University

9:15 AM The Influence of Environmental Conditions on the Germination and Vigor of Three Peanut Cultivars. Caleb Weaver, University of Georgia-Tifton; W. Scott Monfort, University of Georgia - Tifton; Cristiane Pilon, University of Georgia - Tifton; Timothy L. Grey, University of Georgia; R. Scott Tubbs, University of Georgia - Tifton

9:30 AM Improving Corn (Zea mays L.) Stands By Adapting Planting Practices. Nolan Stapleton, Mississippi State University; Erick Larson, Mississippi State University

9:45 AM Assessment of Native Warm Season Grasses for Post-Mining Reclamation. Melanie Parker, Mississippi State University; Jesse Morrison, Mississippi State University; Brian S. Baldwin, Mississippi State University; Rebecca McGrew, Red Hills Mine

10:00 AM Break

10:15 Effect of Fungicide Programs on Plant Health, Maturity, Yield, and Quality of Two Peanut Cultivars. Matthew Stuart, University of Georgia-Tifton; W. Scott Monfort, University of Georgia - Tifton; Cristiane Pilon, University of Georgia - Tifton

10:30 AM Alignment of Soil Test and Tissue Potassium for Maximizing Soybean Yield in Mississippi. Andrew Dygert, Mississippi State University

10:45 AM Dual-Platform Comparison of Canopy Reflectance on Corn Whole Plant and Leaf Tissue Nitrogen Status and Grain Yield. Zachary Sumner, Mississippi State University; Jac J. Varco, Mississippi State University; Jody Czarnecki, Mississippi State University; Amelia A. Fox, MSU

11:00 AM From Monoculture to Biculture: Cover Cropping Effects on Nitrogen Dynamics in a Strip Tilled Corn Production System. Eduardo Samuel Garay, Mississippi State University; Jac J. Varco, Mississippi State University

11:15 AM Evaluation of Mined Humates As a Source of Iron for Soybean [Glycine max. (L.) Merr.] As Influenced By Variety and Soil pH. Andrea Elvir Flores, Mississippi State University; Jac J. Varco, Mississippi State University

11:30 AM Adjourn

GRADUATE STUDENT ORAL COMPETITION - Ph.D. Students
Forum Building - Room H/I – Third Floor

1:25 PM Opening Comments

1:30PM Prediction of Irrigation Needs at Farm Level Using Recurrent Neural Networks. Andres Fernando Jimenez, Universidad Nacional de Colombia; Brenda V. Ortiz, Auburn University; Luca Bondesan, Auburn University; Guilheme Morata, Auburn University; Damianos Damianidis, Auburn University

1:45 PM Trade-Off between Native Grassland Improvement and Water Consumption. Madhav Dhakal, Texas Tech College of Agricultural Sciences & Natural Resources

2:00 PM Determining an Economical Approach to Mid-South Soybean Production. Richard E. Turner, Mississippi State University; M. W. Ebelhar, Mississippi State University
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<th>Time</th>
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<tr>
<td>2:15 PM</td>
<td>Effects of Cultural Best Management Practices Managed for Irrigation Benefits in Mid-Southern Irrigated Soybean Production.</td>
<td>Corey Bryant, Mississippi State University; L. Jason Krutz, Mississippi State University; Martin A. Locke, USDA-ARS; Daniel B. Reynolds, Mississippi State University; Bobby R. Golden, Mississippi State University; Trent Irby, Mississippi State University; Wade Steinniede Jr., USDA-ARS</td>
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<td>2:30 PM</td>
<td>Carbon Mineralization from Winter Cereal Cover Crops in an Organic No-till Soybean Production System.</td>
<td>Pramod Pokhrel, Texas A&amp;M University; Nithya Rajan, Texas A&amp;M University; Ronnie W. Schnell, Texas A&amp;M University</td>
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<td>2:45 PM</td>
<td>Mid-Southern, USA Corn Management Practices to Improve Infiltration and Decrease Nutrient Runoff.</td>
<td>Gene Spencer, Mississippi State University; L. Jason Krutz, Mississippi State University; Martin A. Locke, USDA-ARS; Brien Henry, Mississippi State University; Bobby Golden, Delta Research and Extension Center</td>
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<td>3:00 PM</td>
<td>Deposition and Transformation of Nitrogen By the Pre-Plant Soil Fumigant Ethanedinitrile.</td>
<td>Mary C. Stevens, University of Florida North Florida Research &amp; Extension Center; Joshua H. Freeman, University of Florida</td>
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<td>3:15 PM</td>
<td>Detection of Personal Care Products in Surface Water of a Rural Sub Watershed in Middle Tennessee.</td>
<td>Ravneet Kaur, Tennessee State University; Anonya Akuley Amenyenu, Tennessee State University; Samuel O. Dennis, Tennessee State University</td>
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<tr>
<td>3:30 PM</td>
<td>Break</td>
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<tr>
<td>3:45 PM</td>
<td>Evapotranspiration, Gross Primary Production and Water-Use Efficiency Estimates of Cotton and Corn in East-Central Texas Using Eddy Covariance and Planetscope.</td>
<td>Dorothy Menefee, Texas A&amp;M University; Nithya Rajan, Texas A&amp;M University; Sanaz Shafian, Texas A&amp;M University Agronomy Society</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Comparative Evaluation of Turfgrass and Row Crop Management on Soil Carbon Dynamics and Nutrient Availability.</td>
<td>Shiksa Singh, University of Tennessee-Knoxville; sheng yan, University of Tennessee; John C. Sorochan, University of Tennessee - Knoxville; John C. Stier, University of Tennessee-Knoxville; Melanie Mayes, Oak Ridge National Laboratory; Jie Zhuang, University of Tennessee-Knoxville; Shiksa Singh, University of Tennessee-Knoxville; Sindhu Jagadamma, University of Tennessee-Knoxville</td>
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<td>4:15 PM</td>
<td>Ethephon Application Modulated Nitrogen Use Efficiency in Maize (Zea mays L.) through Regulating Plant Nitrogen Uptake and Post-Silking Nitrogen Remobilization in Response to Nitrogen Rate and Plant Density.</td>
<td>Yushi Zhang, China Agricultural University; Yubin Wang, China Agricultural University; Delian Ye, Fujian Agricultural and Forest University; Churong Liu, China Agricultural University; Zhaohu Li, China Agricultural University; Mingcai Zhang, China Agricultural University</td>
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<td>4:30 PM</td>
<td>Assessment of Narrow-Row Corn (Zea mays L.) Production in the Mid-South.</td>
<td>John J. Williams, Mississippi State University; W. Brien Henry, Mississippi State University; Normie W. Buehring, Mississippi State University</td>
</tr>
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</table>
4:45 PM Use of Simulation Models for Evaluating High Input Production Practices in Corn in Georgia. Anna Orfanou, University of Georgia - Tifton; Dimitrios Pavlou, University of Georgia - Tifton; George Vellidis, University of Georgia - Tifton; Kenneth Boote, University of Florida - Gainesville; Miguel L. Cabrera, University of Georgia - Athens; Glendon Harris, University of Georgia - Tifton; R. Dewey Lee, University of Georgia - Tifton; Wesley M Porter, University of Georgia-Tifton

5:00 PM Simulating Water and Nutrient Movement in a Corn Field with High Input Production Practices. Dimitrios Pavlou, University of Georgia - Tifton; Anna Orfanou, University of Georgia - Tifton; Miguel L. Cabrera, University of Georgia - Athens; Glendon Harris, University of Georgia - Tifton; R. Dewey Lee, University of Georgia - Tifton; Reagan L. Noland, University of Georgia - Tifton; Wesley M Porter, University of Georgia-Tifton

5:15 PM Standardization of Canopy Reflectance of Peanut (Arachis hypogaea L.) Varieties to Assist in Developing a Yield Prediction Tool. Sara E. Pelham, University of Georgia - Tifton; W. Scott Monfort, University of Georgia - Tifton; Cristiane Pilon, University of Georgia - Tifton; Alisa Coffin, USDA-ARS

5:30 PM Adjourn

5:40 PM Agronomy Business Meeting.
9:15 AM  Stomatal Effects on Leaf Metabolism in Two Cotton Species with Alternative Stress Response Strategies. Bhupinder Singh, Mississippi State University; Daryl Chastain, Mississippi State University; John Snider, University of Georgia-Tifton

9:30 AM  Impact of 34-Year Tillage on Soil CO2 Emissions and Carbon Sequestration in Monoculture and Rotational Cropping Systems. Diana Zapata, Texas A&M University; Nithya Rajan, Texas A&M University; Frank M. Hons, Texas A&M University

9:45 AM  Winter Carinata Reduces Nitrate-N Leaching in North Florida Cropping Systems. Jixiao Cui, North Florida Research & Education Center; Ramdeo Seepaul, North Florida Research & Education Center; Ian M Small, North Florida Research & Education Center; Sheeja George, North Florida Research & Education Center; David L Wright, North Florida Research & Education Center

10:00 AM  Break

10:25 AM  Opening Comments

10:30 AM  Long-Term Study on the Effects of Buffer Strips and Grazing Management on Phosphorus Runoff from Pastures Fertilized with Poultry Litter. Philip A. Moore Jr., USDA-ARS; Kelsey Anderson, University of Arkansas; Cristiane Pilon, University of Georgia - Tifton; Jerry Martin, USDA; Daniel H. Pote, USDA-ARS; Phillip R. Owens, USDA-ARS; Amanda J. Ashworth, USDA-ARS; David Miller, University of Arkansas; Paul B. DeLaune, Texas A&M AgriLife Research

10:45 AM  Soil Carbon Pools and Distribution Under Different Grazing Management Practices. Sutie Xu, University of Tennessee-Knoxville; Surendra Singh, University of Tennessee-Knoxville; Amanda J. Ashworth, USDA-ARS; Phillip R. Owens, USDA-ARS; Philip Moore, USDA-ARS; Sindhu Jagadamma, University of Tennessee-Knoxville

11:00 AM  Announce Ph.D. Oral Competition Winners

11:15 AM  Adjourn
AGRONOMY

2:30 PM  Influence of Tillage and Row Configuration on Yield and Quality of Peanut over a Ten-Year Period. W. Scott Monfort, University of Georgia - Tifton; R. Scott Tubbs, University of Georgia - Tifton; John Beasley, Auburn University


3:00 PM  Optimum Nitrogen and Sulfur Required for Growth and Seed Productivity in Oilseed Brassicas. Ramdeo Seepaul, North Florida Research & Education Center; Ian M Small, North Florida Research & Education Center; Sheeja George, North Florida Research & Education Center; David L Wright, North Florida Research & Education Center

3:15 PM  Predicting Leaf Rust Infection Rate in Winter Wheat Using Normalized Difference Vegetation Index. Xuejun Dong, Texas Agrilife Research-Uvalde; Shane Siecknius, Texas A&M AgriLife Research at Uvalde; Bin Peng, Yancheng Institute of Technology; Qingwu Xue, Texas A&M AgriLife Research; Amir M.H. Ibrahim, Texas A&M University

3:30 PM  Adjourn

BIOCHEMISTRY & BIOTECHNOLOGY

116th Annual Meeting of The Southern Association of Agricultural Scientists Biochemistry and Biotechnology Division Birmingham Jefferson Convention Complex East Meeting Room K Birmingham, Al, February 4th, 2019

8:55 Introductory Remarks – Dr. Jeffrey O. Boles, President Dr. SK Ballal, Program Chair

9:00 Courtney P. Leisner¹, Sarah E. O’Connor², C. Robin Buell³ “Harnessing inter-species diversity of blueberry for elucidation of natural product biosynthesis” ¹Department of Biological Sciences, Auburn University, Auburn, AL 36849, USA, ²Department of Biological Chemistry, The John Innes Centre, Norwich, UK, ³Department of Plant Biology, Michigan State University, East Lansing, MI, USA.

9:30 Deepu Karri, Jian Yang, Paul Nakata Jennifer Spinler, Kendal Hirschi “Plant Dietary Calcium Oxalate Impacts the Consumer Microbiome” Baylor College of Medicine, Children’s Nutrition Research Center, Houston, Tx 77030.

10:00 Karen McGinnis, Thelma Madzima and Stefania Vendramin, “Epigenetic- and ABA-mediated regulation of gene expression in maize” Florida State University, Department of Biological Science, 319 Stadium Drive, Tallahassee, FL 32306-4295

10:30 Lauren Schulte and Karen McGinnis “Tissue-specific transcriptional activity in agriculturally important tissues of maize: A computational approach” Florida State University, Department of Biological Science, 319 Stadium Drive, Tallahassee, FL 32306.

11:00 Sang-Wook Park, Izailda Barbosa dos Santos, Hoon Cheong and Wensahn Liu “A role of cyclophilin 20-3 as a regulatory hub in plant growth and defense Tradeoffs” Department of Entomology and Plant Pathology, Auburn University, Auburn, AL 36849.

11:30 Sachin Rustgi, Nitant Gandhi, Samneet Kashyap, Gregory Hoover, and Salman Naveed “Novel breeding and management strategies to improve crop productivity, quality and safety to humans” Department of Plant and Environmental Sciences, Clemson University Pee Dee Research and Education Center, Florence SC 29506, USA.
12:00 – 1:00 Lunch and Poster Viewing

1:00 Xing-Hai Zhang, Paveena Vichyavichien and Noah Kaplan “Functional analysis of a wound-induced protein in tomato” Department of Biological Sciences, Florida Atlantic University, 777 Glades Road, Boca Raton, FL 33431

1:30 Bob Locy1, Ed Sikora2, Kathy Lawrence2, Aaron Rashotte1 and Cassie Connor2 “Building a disease-related gene expression catalog for reniform nematode, root-knot nematode, and soybean cyst nematode that can be used for disease diagnosis and genetic improvement of soybean” Department of Biological Sciences1, and Department of Plant Pathology2, Auburn University, Auburn, AL. 36830

2:00 Ramesh Katam1 and Khambam Raja Reddy2 “Proteomics and protein-protein interaction among Soybean cultivars to multiple stresses” Department of Biological Sciences1, Florida A&M University, Tallahassee FL; Department of Plant and Soil Sciences2, Mississippi Agricultural and Forestry Experiment Station, Mississippi State University, Mississippi State MS.

2:30 Closing Remarks

Posters – Sheraton Birmingham Hotel Ballroom Prefunction

1) Samneet Kashyap Nitant Gandhi, Gregory Hoover, Rachael Kerr, B. Todd Campbell, Michael Jones, and Sachin Rustgi “Turning Perennial cotton into an annual: A novel strategy to increase cotton fiber yield by remobilization of reserves” Department of Plant and Environmental Sciences, Clemson University Pee Dee Research and Education Center, Florence SC 29506, USA.

2) Dalal Alonazy1, Ramesh Katam1 Peter Scott2, and Raja Reddy Kambham3 “Proteome and phospho proteome studies in heat tolerant and susceptible rice cultivars” 1Department of Biological Sciences, Florida A&M University, Tallahassee FL; Department of Biology, University of Florida Gainesville FL; 3Mississippi State University, Mississippi State MS.

3) TBA
8:00 Effect of Hormone Source on Propagation of Delta Jazz™ Crape Myrtle. J. Skylar Baldwin1*, Patricia R. Knight2, Scott L. Langlois2, Eugene K. Blythe3, Jenny B. Ryals2, Christine E. H. Coker4, Gary R. Bachman3, and Jim DelPrince3. 1Department of Biochemistry, Molecular Biology, Entomology, and Plant Pathology, Mississippi State University, Mississippi State, MS 39762, 2Coastal Research and Extension Center, Mississippi State University, Poplarville, MS 39470, 3Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532. (jsb702@msstate.edu)

8:15 Effects of high pH stress on water status of native and cultivated blueberry species. Camila Arzola*, Moshik Doron, and Gerardo Nunez, Horticultural Sciences Department, University of Florida, Gainesville, FL, 32611. (g.nunez@ufl.edu)

8:30 Estimation of additive and dominance effects of a mutant glutathione S-transferase gene on anthocyanin content in muscadine grape (Vitis rotundifolia). Autumn Brown1*, Margaret L. Worthington1, Aruna V. Varanasi1, Renee T. Threlfall2, 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704. (mason.s.mcelmore@ou.edu)

8:45 Evaluation of Drought Stress on Putting Green Bermudagrasses. Alyssa Ely* and Justin Quetone Moss, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078. (justin.moss@okstate.edu)

9:00 Hydroponic Production of Leafy Crops Using Continuous LED Lighting to Improve Plant Growth and Quality. Matt Beartrack*, Bruce L. Dunn, and Charles Fontanier, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078. (matt.beartrack@okstate.edu)

9:30 Identifying Consumer Perceptions of Freshmarket Blackberries using an Online Survey. Aubrey N. Dunteman1*, Renee T. Threlfall1, and John R. Clark2, 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, 2316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (anduntem@email.uark.edu)

9:45 Influence of Summer Harvest Timing on Sesquiterpene Lactones and Sugars in Oklahoma Field Grown Buttercrunch Lettuce (Lactuca sativa L.). Darren G. Blanchard1*, Mason S. McLemore2, and Niels Maness1, 1Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078, 2Department of Microbiology and Plant Biology, University of Oklahoma, Norman, OK 73069. (darren.blanchard@okstate.edu)

10:00 Paper or Plastic: An Assessment of Mulches’ Influence on Tomato Yield and Fruit Quality. Joel Kliewer*, Lynda Carrier, and Lynn Brandenberger, Department of Horticulture and Landscape Architecture, 358 AGH Oklahoma State University, Stillwater, OK 74078-6027. (jkliewer22@hotmail.com)

10:15 Sesquiterpene Lactones and Sugars as Quality Indexes for Hydroponically-Grown Oklahoma Lettuces (Lactuca sativa L.). Mason S. McLemore1*, Darren G. Blanchard2, and Niels O. Maness2, 1Department of Microbiology and Plant Biology, University of Oklahoma, Norman, OK, 73069, 2Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK, 74078. (mason.s.mcllemore@ou.edu)
10:45 Assessing Hybridization Compatibility within and Among Asclepias spp. Mary E. Lewis¹, Matthew R. Chappell¹, Paul A. Thomas¹, Donglin Zhang¹, Ockert Greyvenstein² ¹Department of Horticulture, University of Georgia 1111 Miller Plant Science Building, Athens GA 30602 ²Pan American Seed Company Plant Breeder, 400 Obispo St, Guadalupe, CA 93434

11:00 Collection of On-Site Irrigation Management Data in Alabama Container Nurseries. Claire Krofft¹*, Adam Newby¹, Jeremy Pickens², and Glenn Fain¹, 101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849, ²Ornamental Horticulture Research Center, P.O. Box 8276, Mobile, AL 36608 (cek0054@auburn.edu)

11:15 Effects of colored kaolin particle films on citrus growth and shade acclimation. Juanpablo Salvatierra* and Christopher Vincent. Horticultural Science Department. University of Florida, Citrus Research and Education Center, 700 Experiment Station Road, Lake Alfred, FL 33850. civince@ufl.edu

11:30 Effects of Root Zone Chilling on Growth and Total Phenolic Content of Romaine Lettuce Varieties Grown Using Nutrient Film Technique. Ming Xia *, Daniel Wells¹, Floyd Woods¹ and Jeremy M. Pickens², Funchess Hall, Department of Horticulture, Auburn University Auburn, AL 36849, 2 Ornamental Horticulture Research Center., Department of Horticulture, Auburn University Mobile., AL 36689. (jeremy.pickens@auburn.edu)

11:45 Effects of root zone temperature on growth of hydroponic lettuce (Lactuca sativa L. ‘Rex’) grown under full spectrum LED. Ran Shi¹*, Daniel E. Wells¹, Jeremy M. Pickens¹, David M. Biersch², Department of Horticulture, Auburn University, 36830. ²Biosystems Engineering Department, Auburn University (rzsh0086@tigermail.auburn.edu)

12:00 Identification of compounds and markers associated with weed suppressive trait in sweetpotato (Ipomoea batatas). Brooklyn Schumaker*, Marilia Ferreira, Giovanni Caputo, Bhawna Soni, Stephen L. Meyers and Te-Ming Tseng, Department of Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762. (bcs458@msstate.edu)

12:15 Identifying a standard minimum interpretive symbol for rain gardens through survey of the 30,000 members of the American Planning Association. Keith Lukowski¹, Carolyn Robinson¹, Dave Williams¹, and Karen McNeal², 103 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849, ²2081 Beard Eaves Coliseum, Auburn University, Auburn, AL 36849.

12:30 Impact of Cluster Thinning on Postharvest Attributes of Table Grapes Grown in a High Tunnel System. Virginia C. Beasley¹*, Renee T. Threlfall², and M. Elena Garcia¹, ¹316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, ²2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704. (vcbeasle@email.uark.edu)

12:45-1:15 BREAK LUNCH

1:15 Improving flower production using hydrogen cyanamide on golden kiwifruit. Jacob T. Kelley¹*, James D. Spiers¹, Raymond J. Kessler¹, Elina Coneva¹, Edgar Vinson², ¹Department of Horticulture, Auburn University, Auburn, Alabama 36849, ²Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, ²Department of Plant and Environmental Sciences. (jtk0016@auburn.edu)

1:30 Mapping QTLs for peach (Prunus persica) leaf resistance to bacterial spot [Xanthomonas arboricola pv. pruni (Xap)]. Maxwell W. Vonkrupezfo¹*, Margaret L. Worthington¹, Ksenija Gasic², Cassia Da Silva Linge² and Wanfang Fu², ¹Department of Horticulture, University of Arkansas, Fayetteville, Arkansas 72701, ²Department of Plant and Environmental Sciences, 105 Collings Street, Clemson University, Clemson, SC 29634. (mwwonke@uark.edu)

1:45 Prunus persica (L.) Batsch) Water Status in a Humid Subtropical Climate. Amanda Accampo* and Juan Carlos Melgar, Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634. (amyates@g.clemson.edu)
2:00 Optimum production cycle length for 'Deltastar' cucumbers grown in an aquaponic system. Caroline E. Blanchard 1*, Daniel E. Wells 1, Jeremy M. Pickens 2, and David M. Blersch 3, 1Department of Horticulture, Auburn University, Auburn, Al 36849, 2Ornamental Horticulture Research Center, Mobile, AL 36689, 3Biosystems Engineering Department, Auburn University, Auburn, Al 36849.

2:15 Picture Perfect: Influence of Image Characteristics on Facebook Messages for Horticultural Products. Deanna Reid1*, Cheryl R. Boyer2, Lauri M. Baker1, and Hikaru H. Peterson3, 1Department of Communications and Agricultural Education, Kansas State University, 1612 Claflin Rd., Manhattan, KS 66506, 2Department of Horticulture and Natural Resources, Kansas State University, 1712 Claflin Rd., Manhattan, KS 66506, 3Department of Applied Economics, University of Minnesota, 1994 Buford Ave., St. Paul, MN 55108. (drreid@ksu.edu).

2:30 Producing Value Added Products from a Farmers Market Surplus. Morgan R. Gramlich1*, Renee T. Threlfall2, and Amanda L. McWhirt3, 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 22650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, 3316 Plant Sciences, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mrgramli@email.uark.edu)

2:45 Road Trips for Redbuds (Part 1): A Regional Assessment of the Genetic Diversity and Spatial Distribution of Cercis canadensis in the U.S. Meher A. Ony 1*, Marcin Nowicki1, William Klingeman2, Sarah Boggess1, John Z. Zobel3, Robert N. Trigiano1, and Denita Hadziabdic1, 1Department of Entomology and Plant Pathology, University of Tennessee, 2505 EJ Chapman Dr, Knoxville, TN 37996, 2Department of Plant Sciences, University of Tennessee, 252 Ellington Plant Sciences Building, 2431 EJ Chapman Dr, Knoxville, TN 37996, 3Department of Forest Resources, University of Minnesota, 1530 Cleveland Ave. N. St. Paul, MN 55108 (dhadziab@utk.edu).

3:00 The Effects of Using Winter Cover Crops on Yield and Nitrogen Uptake in Plasticulture Watermelon Production in the Mid-South. Alden Hotz1*, Amanda McWhirt2, Jackie Lee2, and Paige Hickman3, 13810 Thornhill Street, Vegetable Research Station, University of Arkansas, Alma, AR 72921, 22301 S. University, Department of Horticulture, University of Arkansas, Little Rock, AR 72204, 3316 Plant Sciences, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (anhotz@uark.edu)

3:30 Detection of the Gummy Stem Blight-Causing Pathogens (Stagonosporopsis spp.) in Watermelon Using Species-Specific LAMP Assays. Jorge Reyes*1, Caterina Villari2, Marin Brewer3 and Cecilia McGregor1; 1Department of Horticulture; 2Warnell School of Forestry & Natural Resources; 3Department of Plant Pathology; University of Georgia, Athens, GA 30605

3:45 Exploring cell wall polysaccharide composition in a watermelon variety susceptible to hollow heart disorder. Marlee A. Trandel*1 Penelope Perkins-Yeazie1, Jonathan Schultheis2, Chris Gunter2, and Suzanne Johanningsmeier3; 1600 Laureate Way, Plants for Human Health Institute, Department of Horticultural Sciences, North Carolina State University, Kannapolis, NC 28081, 22721 Founders Drive, Kilgore Hall, Department of Horticultural Sciences, North Carolina State University, Raleigh, NC 27606, 3400 Dan Allen Drive, Schaub Hall, Department of Food, Bioprocessing and Nutrition Science, North Carolina State University, Raleigh, NC 27606

4:00 Identification of Quantitative Trait Locus Associated with Gummy Stem Blight Resistance in Watermelon. Winnie Gimode* and Cecilia McGregor, Institute of Plant Breeding, Genetics & Genomics, University of Georgia, 1111 Plant Sciences Building, Athens, GA 30602. (wrgimode@uga.edu)
4:15 Impact of an Inactivated Yeast Vineyard Spray on Harvest Attributes of Chambourcin Wine Grapes. Sarah E. Mayfield* and Renee T. Threlfall. 2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704. (sem013@email.uark.edu)

4:30 Lignite-derived humic substances increased triploid watermelon early yield under deficit irrigation in southwest Texas. Kuan Qin* and Daniel I. Leskovar, Texas A&M AgriLife Research and Extension Center, Texas A&M University, Uvalde, TX 78801. (d-leskovar@tamu.edu)

4:45 Propagation of Shumaka™ Crape Myrtle at Different Growth Stages. Jenny B. Ryals1*, Patricia R. Knight1, Scott L. Langlois1, Eugene K. Blythe1, J. Skylar Baldwin2, Christine E. H. Coker2, Gary R. Bachman3, Jim DelPrince3, and Anthony T. Bowden1. 1Coastal Research and Extension Center, Mississippi State University, Poplarville, MS 39470, 2Department of Biochemistry, Molecular Biology, Entomology, and Plant Pathology, Mississippi State University, Mississippi State, MS 39762, 3Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532 (j.ryals@msstate.edu)

5:00 Response of Field-grown Kiwifruit (Actinidia chinensis Planch. and A. deliciosa A. Chev.) Plants to Soil Alkalinity. Tim Hartmann1*, Larry Stein2, Fred Davies1, Sam Feagley3, David Creech4, and Justin Scheiner4; 1Department of Horticultural Sciences, Texas A&M University, College Station, Texas 77843, 2Department of Horticultural Sciences, Texas A&M University, Uvalde, TX 78802, 3Department of Soil and Crop Sciences, Texas A&M University, College Station, TX 77843, 4SFA Gardens, Stephen F. Austin State University, Nacogdoches, TX 75962 (t-hartmann@tamu.edu)

8:00 Aiding Growers’ Decisions: Describing Arkansas Blackberry Growers’ Resources and Needs Regarding Blackberry Production. Lesley Smith1*, Kate Shoulders2, Donald M. Johnson2, and Elena Garcia3, 13810 Thornhill Street, Vegetable Research Station, University of Arkansas, Alma, AR 72921; 21120 West Maple Street, Department of Agricultural Education, Communications, and Technology, University of Arkansas, Fayetteville, AR 72701; 3316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu)

8:15 Conducting Educational Events at Nurseries. Tom Yeager 1*, Liz Felter 2, Juanita Popenoe 3, Lloyd Singleton 4, Matt Smith 5, Karen Stauderman 6, and Shawn Steed 7, 1UF/IFAS Extension, Extension Sumter County, Bushnell, FL 33513, 2UF/IFAS Extension Multi-County, Bushnell, FL 33513, 3UF/IFAS Extension Volusia County, DeLand, FL 32724, 7UF/IFAS Extension Multi-County, Seffner, FL 33584. (yeagert@ufl.edu)

8:30 Horticulture CSI: Search for the Long Beach Red Radish. Gary R. Bachman1*, Christine E.H. Coker1 and Patricia R. Knight2, Mississippi State University, 1Coastal Research and Extension Center, Biloxi, MS, 2South Mississippi Branch Station, Poplarville, MS (gary.bachman@msstate.edu)

8:45 Mapping the Behavior Change Journey to Smart Irrigation in the Home Landscape. Colby J. Silvert*, Laura A. Warner, Department of Agricultural Education and Communication, University of Florida, PO Box 110540, Gainesville, FL, 32611. (colby.silvert@ufl.edu).

9:00 Revising and demonstrating the benefits of low tunnels to improve sustainability of specialty crops farmers and urban agriculture. Ramón A. Arancibia1*, Dilip Nandwani2, and Leonard Githinji3, 1School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA, 2College of Agriculture, Human and Natural Sciences, Tennessee State University, Nashville, TN, 3Virginia Cooperative Extension, Virginia State University, Petersburg, VA. (raran@cvt.edu)
9:15 Seeing Water Conservation Through a New Lens – Associating Landscape Best Practices with Irrigation Water Source. Laura A. Warner1*, Anil Kumar Chaudhary2, and Lisa Krimsky3, 1Department of Agricultural Education and Communication, University of Florida, PO Box 112060, Gainesville, FL, 32611, 2Department of Agricultural Economics, Sociology, and Education, Pennsylvania State University, 204A Ferguson Building, University Park, PA, 16802, 3Institute of Food and Agricultural Sciences, University of Florida, 2199 South Rock Rd, Ft. Pierce, FL 34945. (lsanagorski@ufl.edu)

9:30 Break

Education Titles

9:45 A hands-on practicum helps students meet learning objectives in a protected agriculture course. Gerardo H. Nunez, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. (g.nunez@ufl.edu)

10:00 Undergraduate Research Opportunities for Students in the College of Agriculture at Auburn University. Amy N. Wright*, College of Agriculture, Auburn University, Auburn, AL 36849 (wrigham@auburn.edu)

FRUIT CROPS SECTION
Building: Forum Bldg-2
Room: Forum E
Presiding: Amanda McWhirt, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: amcwhirt@uaex.edu

1:00 Evaluation of Vineyard Frost Protection Systems. Justin Scheiner1*, Michael Cook2, and Pierre Helwi3 1Department of Horticultural Sciences, Texas A&M University, College Station, Texas 77843, 2Department of Horticultural Sciences, Texas A&M University, Denton, TX 75063, 3 Department of Horticultural Sciences, Texas A&M University, Lubbock, TX 79403 (jscheiner@tamu.edu)

1:15 Effect of Selected Herbicides on the Relative Growth Rate of ‘Camarosa’ Strawberry (Fragaria x Ananassa). Edgar L. Vinson1*, Steve Li2, Floyd Woods1, Elina D. Coneva1, and Matthew Price3 101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL, 36849, 201 Funchess Hall, Crop Soil and Environmental Sciences, Auburn University, Auburn, AL, 36849, 3 Chilton Research and Extension Center, 120 County Rd 756, Clanton, AL 35045. (Vinsoed@auburn.edu)

1:30 Evaluation of Peach Germplasm for Fruit Freeze Tolerance. Juan Carlos Melgar1*, Qi Zhou1, Brian Lawrence1, Ksenija Gasic1, John E. Preece2, Carolyn DeBuse2, 1Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634, 2National Clonal Germplasm Repository, University of California, Davis, CA 95616. (jmelgar@clemson.edu)

1:45 Growing Arkansas Table Grapes in High Tunnels to Enhance Sustainability: Summary Results from 2014-2017. M. Elena Garcia*, Donn Johnson, Karlee Pruitt. 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701

2:00 Huanglongbing-associated pre-harvest fruit drop in sweet oranges: What we know and what we don't. Lisa Tang and Tripti Vashisth*, Citrus Research and Education Center, University of Florida, 700 Experiment Station Road, Lake Alfred, FL 33850. (tvashisth@ufl.edu)

2:15 Peach Rootstocks for the South. Tom Beckman, USDA-ARS, Byron, GA 31008. (tom.beckman@ars.usda.gov)

POSTERS
Building: Sheraton Hotel Birmingham
Room: Ballroom Prefunction
Presiding: Rick Snyder, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: Rick.Snyder@msstate.edu

Set-Up Room: Saturday, 8:00-10:00
Mount Posters: Saturday, 10:00-noon
**Student Poster Competition**

UG = Indicates undergraduate poster titles

G = Indicates graduate poster titles

**Education**

1UG) **Restoration Plan for a Neglected Herbaceous Perennial Teaching Garden at Auburn University.** Julie Britnell, Adam Newby, and Beth Clendenen. 101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849. (newbyaf@auburn.edu)

**Extension**

2) **Engagement and Leadership Trends in Self-Reported Service of Extension Master Gardener Volunteers.** Sheri Dorn¹*, Bodie Pennisi¹, Milton Newberry², and Ellen Bauske³. ¹1109 Experiment Street, Department of Horticulture, University of Georgia, Griffin, GA 30224, ²Department of Agricultural Leadership, Education and Communication, University of Georgia, 142A Four Towers Building, 405 College Station Road, Athens, GA 30602, ³1109 Experiment Street, Department of Plant Pathology, University of Georgia, Griffin, GA 30224. (sdorn@uga.edu)

**Cross-Commodity**

3G) **Determining the diversity of a United States Xanthomonas arboricola pv. pruni (Xap) collection from 11 states.** Maxwell W. Vonkreuzhof *, Margaret L. Worthington, Aruna V. Varanasi, and Lacy D. Nelson., Dept. of Horticulture, 316 Plant Science Building, University of Arkansas, Fayetteville, AR 72701. (mvonkre@email.uark.edu)

4G) **Evaluation of RuBisCO Protein from Leaf samples of Black Cohosh Grown under Shade Conditions.** Julia C. Robinson*, Guochen Yang, Jenora T. Waterman, Sanjun Gu and Zhongge (Cindy) Lu, College of Agriculture and Environmental Sciences, North Carolina A&T State University, Greensboro, NC 27411. (jcrobinson@aggies.ncat.edu)

**Postharvest**

7G) **Evaluating Postharvest Keeping Quality of Fruit Textural Traits in Southern Highbush, Rabbiteye, and Northern Highbush Blueberry Cultivars.** Rion T. Mooneyham¹*, Savithri U. Nambeesan², D. Scott NeSmith¹, Renée M. Allen³, Dario J. Chavez¹, and Rachel A. Ite¹. ¹Department of Horticulture, University of Georgia, 11109 Experiment Street Griffin, GA 30223, ²Department of Horticulture, University of Georgia, 1111 Miller Plant Science Building, Athens, GA 30602, ³University of Georgia Extension, 203 South Dixon Street, Suite 3, Alma, GA 31510. (rionmoon@uga.edu)

8) **Effect of Fruit Quality at Harvest on Postharvest Longevity and Consumer Preference of ‘AU Golden Dragon’ and ‘AU Golden Sunshine’ (Actinidia chinensis Planch).** James D. Spiers*, Lingbo Xie, Leonard N. Bell, J.Raymond Kessler, and Floyd M. Woods. Department of Horticulture, Auburn University, Auburn, AL 36849. (ids0017@auburn.edu)

9G) **Postharvest Attributes of Arkansas-grown Table Grapes Grown in a High Tunnel System.** Virginia C. Beasley¹*, Renee T. Threlfall², and M. Elena Garcia¹. ¹316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, ²2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704. (vcbasle@email.uark.edu)
HORTICULTURAL SCIENCE

Fruit Crops

10G) After harvest evaluation of black spot and decay on the fruit of different pomegranate genotypes grown in a local orchard in Florida. Shirin Shahkoomahallya, Ali Sarkhosha 
Department of Horticultural Sciences, University of Florida, Gainesville, FL 32611 USA (sarkhosha@ufl.edu)

11) Effects of Hail-netting on Field Grown Malbec (Vitis vinifera) Grapevines. Kenneth Ruland1*, Thayne Montague1,2, and Pierre Helwi2, 1Department of Plant and Soil Science, Bayer Plant Science Building, 2911 15th Street, Suite 122, Lubbock, TX 79409-2122, 2Texas A&M University AgriLife Research and Extension Center, 1102 E FM 1294, Lubbock, TX 79403. (trey.ruland@ttu.edu)


13) Evaluation of Pierce’s Disease Tolerant Hybrid Bunch Grapes in Alabama. Elina Coneva*, Edgar L. Vinson, and J. Raymond Kessler Jr., Department of Horticulture, Auburn University, Auburn, AL 36849. (edc0001@auburn.edu)

14G) Evaluation of a New Muscadine Genotype Relative to Noble (Industry Standard) for the Processing Industry. Sarah E. Mayfield1*, Renee T. Threlfall1, John R. Clark2, and Margaret L. Worthington2. 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, 2316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (sem013@email.uark.edu)

15) Evaluation of Vaccinium Germplasm for Resistance to Drosophila suzukii (Diptera: Drosophilidae). Stephen Stringer1, Blair Sampson1, Kim Hummer2, and Donna Marshall-Shaw1. 1USDA-ARS Thad Cochran Southern Horticultural Laboratory, 810 Hwy 26 West, Poplarville, MS 39470. 2USDA ARS National Clonal Germplasm Repository, 33447 Peoria Road, Corvallis, OR 97333. (Stephen.Stringer@ars.usda.gov)

16UG) How does substrate temperature affect root respiration rates in southern highbush blueberry? Michael J. Schreiber* and Gerardo H. Nunez, Horticultural Sciences Department, University of Florida, Gainesville, FL, 32611 (g.nunez@ufl.edu)

17) Impacts of regional management practices on root distribution in Texas citrus. George Thomas III1*, Mamoudou Setamou1, Veronica Ancona1, Juan Enciso2, Shad Nelson3, and Catherine Simpson1. 1Texas A&M University – Kingsville Citrus Center, 312 N. International Blvd., Weslaco, TX 78599, 2Texas A&M AgriLife Research Center, Weslaco, TX 78599, 3Texas A&M University – Kingsville, Kingsville, TX 78363. (Catherine.simpson@tamuk.edu)

18G) The Effect of Tropical Peach Fruit Thinning on Fruit Weight, Shape and Dry Matter Content. Yuru Chang*1, and Ali Sarkhosh2. Department of Horticultural Sciences, University of Florida, Gainesville, FL 32611. (changyuru@ufl.edu)

19) Optimizing Texture Assessment for Muscadine Grapes. John F. Carlin1, Margaret L. Worthington1*, and Renee T. Threlfall2. 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704. (mlworthi@uark.edu)

20G) Comparing Textural Traits of Skin Toughness and Fruit Firmness in Southern Highbush, Rabbiteye, and Northern Highbush Blueberry Cultivars. Kathleen S. Amaral1*, D. Scott NeSmith3, Renée M. Allen2, Dario J. Chavez1, and Rachel A. Itle1. Department of Horticulture, University of Georgia, 1109 Experiment Street, Griffin, GA 30223, University of Georgia Extension, 203 South Dixon Street, Suite 3, Alma, GA 31510. (ksamaral@uga.edu)

21UG) Oxidative stress in the roots of Vaccinium species exposed to high pH nutrient solution. Ashley J. Turner*, Dante Leventini, and Gerardo H. Nunez, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611 (g.nunez@ufl.edu)
22) Pierce’s Disease Resistant Vitis vinifera Genotypes Evaluation for Sustainable Viticultural Production in the Southeast. Elina Coneva*, Andrej Svyantek, J. Raymond Kessler, Jr., and Edgar L. Vinson, Department of Horticulture, Auburn University, Auburn, AL 36849. (edc0001@auburn.edu)

23G) Height and Diameter Affect Survival Rates of Jujube (Ziziphus jujuba) Suckers Transplanted in Semi-Arid Farmland of New Mexico. Sanjib Sapkota1*, Zhiming Liu1, and Sen Wang2, 1Department of Biology, Eastern New Mexico University, Portales, NM 88130, 2College of Forestry, Central South University of Forestry and Technology, Changsha, Human, China. (sanjibsapkota35@gmail.com)

24) The Effects of Cluster Thinning on Table Grapes Grown Under High Tunnel Systems in Arkansas. Jose Hernandez*, K. Pruitt, V. Beasley, M. Elena Garcia, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701 (megarcia@uark.edu).

Floriculture, Ornamental and Turf

25UG) Reduction of Plant Quality and Photosynthesis of Spathiphyllum ‘Petite’ Using Glow-In-The-Dark Paint. Reba McCarty, Bruce L. Dunn, Charles Fontanier, and Matt Beartrack*, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078. (matt.beartrack@okstate.edu)

26) Drought Response of Seven Common Bermudagrass (Cynodon dactylon (L.) Pers.) Selections. Justin Quetone Moss1, Alyssa Ely1*, and Yanqi Wu2, 1Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078, 2Department of Plant and Soil Sciences, Oklahoma State University, Stillwater, OK 74078. (justin.moss@okstate.edu)

Horticultural Science

27G) Effect of Hormone Source on Propagation of Sequoyah™ Crape Myrtle. Jenny B. Ryals1*, Patricia R. Knight1, Scott L. Langlois1, Eugene K. Blythe1, J. Skylar Baldwin2, Christine E. H. Coker3, Gary R. Bachman3, and Jim DelPrince3, 1Department of Biochemistry, Molecular Biology, Entomology, and Plant Pathology, Mississippi State University, Mississippi State, MS 39762, 2Coastal Research and Extension Center, Mississippi State University, Poplarville, MS 39470, 3Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532 (j.ryals@msstate.edu).

28) Observed and Self-Reported Use of an Employee Garden Before and After Renovations. M. Martinez-Ugarte, A. Vergara, I. Horrocks, J. Hatler, and W. Griffin, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (whitneygriffin@tamu.edu)

29UG) Cutting Propagation of Delta Jazz™ Crape Myrtle. J. Skylar Baldwin1*, Patricia R. Knight2, Scott L. Langlois2, Eugene K. Blythe2, Jenny B. Ryals2, Christine E. H. Coker2, Gary R. Bachman2, and Jim DelPrince2, 1Department of Biochemistry, Molecular Biology, Entomology, and Plant Pathology, Mississippi State University, Mississippi State, MS 39762, 2Coastal Research and Extension Center, Mississippi State University, Poplarville, MS 39470, 3Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532 (jsb702@msstate.edu)

30) Germination Behavior in response to Cold Moist Stratification and Seed Storage Duration in Metasequoia glyptostroboides. Robert Eichas*, Killen Middleton, Song Cui, and Nate Phillips, School of Agriculture, Middle Tennessee State University, Murfreesboro TN 37132. (nate.phillips@mtsu.edu)

31UG) Plant growth regulators and explant maturity influence in vitro shoot and root production of Lupinus texensis Hook. Sarah G. Lozano* and Andrew R. King, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (retrograce13@gmail.com)
32) Efficacy of Using Additional Potassium for Zinnia (Zinnia elegans) Cut Flower Production. Jeff. C. Wilson*, T. Casey Barickman, and Susan Worthy, Mississippi State University, North Mississippi Research and Extension Center, Verona, MS 38879. (jeff.wilson@msstate.edu)

33UG) Effects of Compost Source and Type of Fertilizer for Container-grown Vinca. Alaina Kresovic1* and Anthony L. Witcher2, 1 School of Agriculture, Middle Tennessee State University, Murfreesboro, TN, 2Otis L. Floyd Nursery Research Center, Tennessee State University, 472 Cadillac Ln., McMinnville, TN 37110. (alaina.kresovic@gmail.com)

34G) Long Term Weed Control Evaluation of a New Herbicide for Herbaceous Ornamentals. John R. Penney*, Adam F. Newby, J. Raymond Kessler, and J. David Williams, Department of Horticulture, Auburn University, Auburn, AL 36849. (jrpenney@auburn.edu)

35) Biochemical responses to heat stress in potato, role of Ca. Hunter Aliff and Ramon Arancibia. School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA 24061. (raran@vt.edu)

36) Yield and quality of diverse muskmelon (Cucumis melo L.) cultivars as affected by mineral nutrition. John Jifon1,2, Kevin Crosby2, Bhimu Patil2,3; 1Texas A&M AgriLife Research, Weslaco, TX 78596; 2Department of Horticultural Sciences, Texas A&M University, College Station,TX 77843; Vegetable and Fruit Improvement Center, College Station, TX 77843; (jljifon@ag.tamu.edu)

37G) Impact of shade cloth and a fogging system on microclimate in an organic high tunnel. Savanah Laur * and Timothy Coolong, Department of Horticulture, University of Georgia, Athens, GA 30602 (sal98292@uga.edu)

38) Effects of Fall Row Cover Use and Planting Date on Strawberry Crown Development in the Mid-South. Lizzy Herrera* and Amanda McWhirt, 2301 S. University, Department of Horticulture, University of Arkansas, Little Rock, AR 72204. (lherrera@uaex.edu)

39) Tissue Analyses of Day-neutral Strawberry ‘Albion’ under Four Nitrogen Treatments in Low Tunnels. Sanjun Gu* and Joshua Mays. Cooperative Extension, North Carolina A&T State University, Greensboro, NC 27420-1928. (sgu@ncat.edu)

40G) Emergence of Direct Seeded Bell and Spice Peppers in Greenhouse and Field Trials. Andi Nichols, Lynn Brandenberger, Lynda Carrier, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74074. (andi.nichols@okstate.edu)

41) Effects of potassium nutrition on seed yield and quality of hybrid chili pepper (Capsicum annuum L.) John Jifon1,2, Kevin Crosby2; 1Texas A&M AgriLife Research, Weslaco, TX 78596; 2Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843. (jljifon@ag.tamu.edu)

42UG) Paper or Plastic: An Assessment of Mulches’ Influence on Okra Yield and Fruit Quality. Joel Kliewer*, Alisa Sims, Lynda Carrier, and Lynn Brandenberger, Department of Horticulture and Landscape Architecture, 358 AGH Oklahoma State University, Stillwater, OK 74078-6027. (jkliewer22@hotmail.com)

43) Evaluation of Row Covers in Yield Performance of the Leafy Green Vegetables in Organic Management System. Kripa Dhakal, Dilip Nandwani and Ramon A. Arancibia1. College of Agriculture, Tennessee State University, Nashville, TN. 1School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA (dnandwan@Tnstate.edu).

44G) Effect of Chitosan Coating on Tomato Fruit Softening. Mahnaz Kargar*, Floyd M. Woods1, James E. Brown1; 1Auburn University, Department of Horticulture, Auburn, AL, 36849. (mzk0049@tigermail.auburn.edu)

45) Evaluation of tomato yellow leaf curl virus resistant tomatoes in Georgia. Timothy Coolong*, Department of Horticulture, University of Georgia, Athens, GA 30602 (tcoolong@uga.edu)
46) Regulation of photosynthesis, fluorescence, and stomatal conductance of cucumber under early season waterlogging conditions. T. Casey Barickman1* and Catherine R. Simpson2, 1Department of Plant and Soil Sciences, North Mississippi Research and Extension Center, Verona, MS, 38879, 2Department of Agriculture, Agribusiness, and Environmental Sciences, Texas A&M University-Kingsville Citrus Center, Weslaco, TX 78599. (t.c.barickman@msstate.edu).

47G) Optimum planting density and substrate combination for ‘Socrates’ cucumber grown in an aquaponic system. Caroline E. Blanchard 1*, Daniel E. Wells 1, Jeremy M. Pickens 2, David M. Blersch 3, and Mollie R. Smith 4, 1Department of Horticulture, Auburn University, AL 36849, 2Ornamental Horticulture Research Center, Mobile, AL 36689, 3Department of Biological Engineering, Auburn University, AL 36849, 4Auburn University School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, AL 36849 (ceb0116@tigermail.auburn.edu).

48) Investigating the Impact of Plant Spacing on Yields of Sweetpotato in Organic Management System. Sochinwechi Nwosi1 and Dipil Nandwani, Department of Agricultural and Environmental Sciences, College of Agriculture, Tennessee State University, Nashville, TN 37209 (dnandwan@tnstate.edu).

49G) Mitigating Lettuce Tipburn by Increasing Horizontal Air Flow Rate in Deep Water Culture System. Ming Xia 1*, Daniel Wells 1, Floyd Woods 1 and Jeremy M. Pickens 2, Funchess Hall, Department of Horticulture, Auburn University Auburn, AL 36849, 2Ornamental Horticulture Research Center, Mobile, AL 36689. (jeremy.pickens@auburn.edu).

50) Micropropagation of Two Ginger Cultivars. Guochen Yang*, Zhongge (Cindy) Lu, Sanjun Gu, and Julia Robinson, College of Agriculture and Environmental Sciences, North Carolina A&T State University, Greensboro, NC 27411. (yangg@ncat.edu).

51G) Fine-mapping of a Major Quantitative Trait Locus Qdff3-1 Controlling Flowering Time in Watermelon. Winnie Gimode* Josh Clevenger and Cecilia McGregor, Institute of Plant Breeding, Genetics & Genomics, University of Georgia, 1111 Plant Sciences Building, Athens, GA 30602. (wrgimode@uga.edu).


53) Sensor-based irrigation management of kale: Effects of volumetric water set-points on plant physiological responses. T. Casey Barickman* and Jwalit J. Nayak. Department of Plant and Soil Sciences, North Mississippi Research and Extension Center, Verona, MS, 38879. (t.c.barickman@msstate.edu).

54G) Effects of root zone temperature on total phenolics of hydroponic lettuce (Lactuca sativa L. ‘Rex’) grown under full spectrum LED. Ran Shi1*, Daniel E. Wells1, Jeremy M. Pickens1, Floyd Woods2, David M. Blersch2, Department of Horticulture, Auburn University, 36830. 2Department of Horticulture, Auburn University, Biosystems Engineering Department, Auburn University. (rzs0086@tigermail.auburn.edu).

55) Site Selection for Wild-Simulated Ginseng Population Site Characteristics. Nate Phillips1,2*, Eric J Limbird3, Lee Rumble4, Revathamudhabala Kuruganti5, Yuhang Guo2, Ying Gao1,2, 1School of Agriculture, 2International Ginseng Institute, Middle Tennessee State University, Murfreesboro TN 37132. 3Nashville State Community College, Nashville, TN 37209, 4Department of Biology, Middle Tennessee State University, Murfreesboro TN 37132. (nate.phillips@mtsu.edu; ying.gao@mtsu.edu).

Sunday, February 3, 2019

ACB BUSINESS MEETING
Building: Birmingham Jefferson Convention Center
Room: East Ballroom A
Time: 9:00 – 10:45
Presiding: Kelsey Brazelton, President
HORTICULTURAL SCIENCE

ANNUAL BUSINESS MEETING AND AWARDS
PROGRAM
Building: Birmingham Jefferson Convention Center
Room: East Ballroom A
Time: 11:00-12:30
Presiding: Eric Stafne, President

POSTER VIEWING & TAKE-DOWN
Building: Sheraton Hotel Birmingham
Room: Ballroom Prefunction
Presiding: Rick Snyder, Chair
Poster Viewing: Sunday 8:00-10:45
Poster Take-down: Sunday, 1:00 – 3:00

SECTION TITLES
VEGETABLE CROPS SECTION
Building: Sheraton Hotel Birmingham
Room: Ballroom 9
Presiding: Danielle Treadwell, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: ddtreadw@ufl.edu

8:00 Nitrogen uptake, growth and production increases in sweet basil grown under low tunnel throughout the summer. Tej Acharya, Mark Reiter, Greg Welbaum, and Ramón Arancibia, School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA 24061. (raran@vt.edu)

8:15 Novel Resistance to Tobacco Etch Virus in pepper (Capsicum spp.). Kevin Crosby1, Stephen Perry1, Kevin Ong2, and John Jifon3. 1Department of Horticultural Sciences, Texas A&M, College Station, TX 77843; 2Department of Plant Pathology, Texas A&M, College Station, TX 77843; 3Texas AgriLife Research, Weslaco, TX 78596. (k-crosby@tamu.edu)

8:30 Impact of organic farming practices on yield and quality of globe artichoke. Daniel I. Leskovar1 and Yahia A. Othman2. 1Texas A&M AgriLife Research and Extension Center, Texas A&M University, Uvalde, TX 78801; 2Department of Horticulture and Crop Science, The University of Jordan, Amman, Jordan. (d-leskovar@tamu.edu)

8:45 Effects of sodium chloride on hydroponically grown lettuce from high salinity irrigation sources. Jeremy M. Pickens, Daniel E. Wells, and Jeff L. Sibley. Department of Horticulture, Auburn University, Auburn AL 36849. (pickejm@auburn.edu)

9:00 Nitrogen rate influences organic carrot characteristics but not yield in north central Florida. Danielle Treadwell1, Jose Perez1, Bob Hochmuth2, Ben Broughton2, and Mike Boyette2. 1Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690; 2North Florida Research and Education Center-Suwannee Valley, University of Florida, Live Oak, FL, 32060-7434. (ddtreadw@ufl.edu)

9:15 Vermicompost soil amendments influence yield, growth responses and nutritional value of kale (Brassica oleracea) radish (Raphanus raphanistrum Subsp. sativus) and tomato [Solanum lycopersicum (L.)]. Elsa D. Calderon, Desmond G. Mortley, Adelia C. Bovell-Benjamin, Peter Gichuhi, and Eunice Bonsi. Tuskegee University, 1200 W. Montgomery Road, Tuskegee, AL 36088. (ecalderon7922@tuskegee.edu)

FLORICULTURE, ORNAMENTALS AND TURF SECTION
Building: Forum Bldg-2
Room: Forum B
Presiding: Gene Blythe, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: blythe@pss.msstate.edu

8:00 A Synopsis of Three Years of Tree Research at Moody Gardens, Galveston Island, Texas. David Creech1*, Malcolm Turner1, Steve Wagner2, Josephine Taylor2, and Kenneth Farrish3. 1Department of Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962. 2Biology Department, Stephen F. Austin State University, Nacogdoches, TX 75962, 3Division of Environmental Science, Stephen F. Austin State University, Nacogdoches, TX 75962. (dcreech@sfasu.edu)

8:15 Evaluation of Shade Cloth Type on Greenhouse Cooling Efficiency. Jeremy M. Pickens*, Daniel E. Wells, and J. Raymond Kessler, Department of Horticulture, Auburn University, Auburn, AL 36849. (pickejm@auburn.edu)
8:30 Alcohol-based Rooting Hormones: Can They Burn Stem Cuttings? Eugene K. Blythe*, James T. Ray, Guihong Bi, Patricia R. Knight, Daniel B. Reynolds, and Gary R. Bachman. Coastal Research and Extension Center, Mississippi State University, South Mississippi Branch Experiment Station, Poplarville, MS 39470. Mississippi State University Extension Service-Harrison County, Gulfport, MS 39501. Department of Plant and Soil Sciences, Mississippi State University, Mississipi State, MS 39762. Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532. (blythe@pss.msstate.edu)

FRUIT CROPS SECTION

Building: Forum Bldg-2  Room: Forum C  Presiding: Amanda McWhirt, Chair  Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: amcwhirt@uaex.edu

8:00 Comparison of Rotating Arm and T-trellising for Effects on Blackberry Yields, Fruit Quality and Pest Pressure. Amanda McWhirt*, Jackie Lee, and Renee Threlfall. 2301 S. University, Department of Horticulture, University of Arkansas, Little Rock, AR 72204, 2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704. (amcwhirt@uaex.edu)

8:15 Assessment of Fire Blight Resistant Apple Rootstocks in Alabama. Elina Coneva*, Enfeng Xu, J. Raymond Kessler, Jr., and Edgar L. Vinson, Department of Horticulture, Auburn University, Auburn, AL 36849. (edc0001@auburn.edu)

8:30 Investigations to Determine the Performance of Selected Grape Rootstocks in Alabama. Elina Coneva*, Enfeng Xu, J. Raymond Kessler, Jr., and Edgar L. Vinson, Department of Horticulture, Auburn University, Auburn, AL 36849. (edc0001@auburn.edu)

8:45 Managing HLB infection and citrus growth using white and red-dyed kaolin particle films. Christopher Vincent, Myrtho Pierre, and Juanpablo Salvatierra. Horticultural Science Department. University of Florida, Citrus Research and Education Center, 700 Experiment Station Road, Lake Alfred, FL 33850. (civince@ufl.edu)
8:15 Influence of Ripening and Cultivar on Banana Peel and Pulp Browning: The Role of Phenylalanine Ammonia-Lyase (PAL) and Lipoxygenase (LOX) Enzymes. Mahnaz Kargar1*, Floyd M. Woods1, Marisa M. Wall2, J. Raymond Kessler1, E. Greg Fonsah3, Ramesh B. Jeganathan4 and Nicholas Larsen5, 1Dept. of Horticulture, Auburn University, Auburn, AL 36849, 2USDA-ARS, US Pacific Basin Agricultural Research Center, Hilo, HI 96720, 3Dept. of Agricultural and Applied Economics, University of Georgia, Tifton, GA 31793, 4Dept. of Nutrition, Auburn University, Auburn, AL 36849, 5University of Florida, Everglades Research & Education Center, Belle Glade, FL 33430. (mzk0049@auburn.edu)

8:30 Cell Wall Polysaccharide Composition in ‘Liberty’ Watermelon at Varying Levels of Hollow Heart. Marlee A. Trandel1*, Penelope Perkins-Veazie1, Jonathan Schultheis2, Chris Gunter2, and Suzanne Johanningsmeier3, 1600 Laureate Way, Plants for Human Health Institute, Department of Horticultural Sciences, North Carolina State University, Kannapolis, NC 28081, 2721 Founders Drive, Kilgore Hall, Department of Horticultural Sciences, North Carolina State University, Raleigh, NC 27606, 3400 Dan Allen Drive, Schaub Hall, Department of Food, Bioprocessing and Nutrition Science, North Carolina State University, Raleigh, NC 27606. (matrande@ncsu.edu)

8:45 Cultivar, environment and growing season effects on phytochemical properties of Alabama-grown Rabbiteye blueberries (Vaccinium ashei Reade). Floyd M. Woods1*, Asheber Gebrekidan3, Elina Coneva1, Edgar Vinson1, Kalidas Shetty2, Dipayan Sakar2, Benjamin D. Blasius1 and Arnold Caylor4, 1Department of Horticulture, Auburn University, Auburn, AL 36849, 2Dept. of Plant Sciences, North Dakota State University, Fargo, ND 58108, 3Mathematics and Statistics, Auburn University, Auburn, AL 36849, 4Alabama Agriculture Experiment Station, Cullman, AL 35055. (woodsfm@auburn.edu)

ANNUAL BUSINESS MEETING AND AWARDS PROGRAM
Building: Birmingham Jefferson Convention Center
Room: East Ballroom A
Time: 11:00 12:30
Presiding: Eric Stafne, President

SAAS Meetings

SAAS Board Meeting
Bldg/Room: Forum-2, Forum C
Time: 2:30 PM–3:30 PM

SAAS General Business Meeting
Bldg/Room: Forum-2, Forum C
Time: 4:00 PM–5:00 PM

SAAS Social/Super Bowl Party
Place: Southern Kitchen and Bar
Time: 5:00 PM – until

WORKING GROUPS
(Contact Chairs for Agenda and order of presentations if not given)

Watermelon Research Group
Presiding: Jerome Bernier, Chair
Blding: Forum Building-3
Room: Forum H/I
Friday: 1:00-5:00
Saturday: 8:00-5:00
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: jerome.bernier@monsanto.com

Friday, February 1, 2019

1:00 Introductions: All in attendance
1:45 Marc Arney to present updates from the National Watermelon Promotion Board
2:00 Current Level of Interest in Grafting as It Relates to Rootstocks. Richard Hassell, Clemson University CREC, 2700 Savannah Highway, Charleston, SC, 29414. (rhassel@clemson.edu)
2:20 Presentation from Ben Hinson, Tri-Histil
2:40 KASP™ Markers for Selection for Fruit Shape in Watermelon. Reeve Legendre and Cecilia McGregor*, Department of Horticulture, University of Georgia, 1111 Miller Plant Science Bldg., Athens, GA 30602. (cmcgre1@uga.edu)
3:00 20 minutes break
3:20 Effect of Water Management on Watermelon Yield and Quality. Wenjing Guan, Southwest Purdue Agricultural Center, Vincennes, IN, 47591. (guan40@purdue.edu)

3:35 Lignite-derived humic substances increased triploid watermelon early yield under deficit irrigation in southwest Texas. Kuan Qin* and Daniel I. Leskovar, Texas A&M AgriLife Research and Extension Center, Texas A&M University, Uvalde, TX 78801. (d-leskovar@tamu.edu)

3:55 Seedling stage metabolic and molecular cues associated with stress tolerance in watermelons. Vijay Joshi, Molecular System Physiologist, Texas A&M AgriLife Research, Texas A&M University, Uvalde, TX, 78801. (Vijay.joshi@ag.tamu.edu)

4:15 Description of Phytophthora blight caused by P. capsici on watermelon transplants in Indiana. Daniel S. Egel, Purdue University, 4369 N. Purdue Rd., Vincennes, IN, 47591. (egel@purdue.edu)

4:35 Adjourn

Saturday, February 2, 2019

8:30 Introductions: All in attendance

9:15 Regional Watermelon Production Updates
Florida, Georgia, Carolinas, Delaware/Maryland, Mid-West, West USA

9:45 Variety updates from Seed Companies

10:00 2018 Seedless Watermelon Evaluation in Georgia. Andre da Silva* and Timothy Coolong, Department of Horticulture, University of Georgia, Athens, GA, 30602. (adasilva@uga.edu)

10:15 2018 South Carolina Seedless and Mini Watermelon Variety Trial Results. Gilbert Miller*, Edisto Research and Education Center, Clemson University, Blackville, SC 29017. (gmrl@clemson.edu)

10:30 20 Minutes Break


11:05 2018 Watermelon Variety Evaluation in Indiana. Wenjing Guan*, Daniel Egel and Dennis Nowaskie, Southwest Purdue Agricultural Center, Vincennes, IN, 47591. (guan40@purdue.edu)

11:20 Standard and Mini Seedless Watermelon Variety Trials Conducted by University of Delaware Cooperative Extension in 2018. Gordon Johnson* and Emmalea Ernest, Department of Plant and Soil Sciences, University of Delaware, Elbert N. and Ann V. Carvel Research and Education Center, 16483 County Seat Highway, Georgetown, DE 19947. (gcjohn@udel.edu)

11:35 Lunch Break

1:30 Sustainable Management of Fusarium Wilt of Watermelon with Soil Fumigation? Joshua H. Freeman¹, Bhabesh Dutta², and Mary C. Stevens¹, ¹University of Florida, Quincy, FL 32351, ²University of Georgia, Tifton, GA 31793. (joshuafr@ufl.edu)

2:10 Fusarium Wilt in Watermelon: Potential Defense Metabolites. Deepak M. Kasote¹, G. K. Jayaprakasha¹, Kevin Ong², Kevin M. Crosby¹, and Bhimanagouda S. Patil*¹, ¹Vegetable and Fruit Improvement Center, Department of Horticultural Sciences, Texas A&M University, 1500 Research Parkway, Suite A120, College Station, TX, 77845, ²Texas Plant Disease Diagnostic Laboratory, Texas A&M AgriLife Extension Service, College Station, TX, 77843. (b-patil@tamu.edu)
**2:40**  Foliar Fertilization and Sulfur Research in Watermelons on Delmarva. Gordon C. Johnson\(^1\) and Gerald Brust\(^2\), \(^1\)Department of Plant and Soil Sciences, University of Delaware, Elbert N. and Ann V. Carvel Research and Education Center, 16483 County Seat Highway, Georgetown, DE 19947. \(^2\)University of Maryland, CMREC Upper Marlboro Facility, 2005 Largo Road, Upper Marlboro, MD 20774. (gcjohn@udel.edu)

**WRDG Business**

3:00  Hot Topics
Website
New vice-chair selection
Upcoming meetings

4:00  Adjourn

### National Sweet Potato Collaborators

**Presiding:** Mike Boyette, Chair  
(boyette@ncsu.edu)

**Building:** Forum Building-2  
**Room:** Forum A  
**Friday:** 8:00 am – 5:00 pm  
**Saturday:** 8:00 am – 5:00 pm

### Southern Fruit Workers

**Presiding:** Rachel Itle  
(ashi@uark.edu)

**Building:** Forum Building-2  
**Room:** Forum C  
**Friday:** 8:00 am – 5:00 pm

### Vigna Crop Germplasm Committee

**Presiding:** Shi Ainong, Chair  
(ashi@uark.edu)

**Building:** Forum Building-2  
**Room:** Forum G  
**Saturday:** 9:00 am – 12:00 pm

### National Cowpea Improvement Association

**Presiding:** Shi Ainong, Chair  
(ashi@uark.edu)

**Building:** Forum Building-2  
**Room:** Forum G  
**Saturday:** 1:00-5:00
The Research Center Administrators program can be obtained at the SAAS registration desk during the conference.

Program at a Glance

Abbreviations

Organizations
- Southern Association of Agricultural Scientists: SAAS
- Southern Rural Sociological Association: SRSA

Sunday, February 3, 2019

8:00 am – 3:30 pm, Forum Building-2, Forum Registration Room: Registration

8:00 am – 8:30 am, Forum Building-2, Forum A: SRSA Executive Committee


9:55 am – 11:10 am, Forum Building-2, Forum A: Session 1 – International Agriculture and Development

11:20 am – 12:35 pm, Forum Building-2, Forum A: Session 2 – Livestock Systems and Food Security

12:35 pm – 1:35 pm, Lunch (on your own)

1:35 pm – 2:50 pm, Forum Building-2, Forum B: Session 3 – Rural Engagement and Climate Change

3:00 pm – 4:15 pm, Forum Building-2, Forum B: Session 4 – Politics, Health, and Gender

3:00 pm – 4:15 pm, Forum Building-2, Forum A: Session 5 – Heir Property and Property Rights
Sunday, February 3, 2019

8:00 am – 3:30 pm, Forum Building-2, Forum Registration Room: Registration

8:00 am – 3:30 pm, Forum Building-2, Forum Registration Room: Registration

8:00 am – 8:45 am, Forum Building-2, Forum B: Session 6 – Information Sources and Community Engagement

8:55 am – 10:10 am, Forum Building-2, Forum B: Session 7 – Rural Poverty and Food Resource Utilization

8:55 am – 10:10 am, Forum Building-2, Forum A: Session 8 – Farm and Timber Issues


11:45 am – 1:15 pm, Sheraton Birmingham Hotel-1, Birmingham Ballroom 12: Section 4: SRSA Awards Luncheon and Presidential Address

1:20 pm – 2:35 pm, Forum Building-2, Forum A: Session 9 – Community and Development

1:20 pm – 2:35 pm, Forum Building-2, Forum B: Session 10 – Health and Wellness

2:30 pm – 3:45 pm, Sheraton Birmingham Hotel-1, Ballroom Prefunction: Poster Session

3:45 pm – 4:45 pm, Forum Building-2, Forum A: SRSA Business Meeting (all members are encouraged to attend)

4:45 pm – 5:30 pm, Forum Building-2, Forum A: SRSA Executive Council Meeting

7:00 pm, Sheraton Birmingham Hotel-1, Presidential Suite: SRSA Presidential Reception

Moderator: David N. Tackie (Tuskegee University)

Southern Rural Development
Steve Turner (Mississippi State University & Southern Rural Development Center)

Rural Development Research in Relation to Transformations of the Agriculture and Food System
Keiko Tanaka (University of Kentucky & Rural Sociological Society)

Southern Rural Development Research and Dissemination
John J. Green (University of Mississippi)

9:55 am – 11:10 am, Forum Building-2, Forum A: Session 1 – International Agriculture and Development

Moderator: Anthony Winson (University of Guelph)

Mainstreaming Adaptation into Rural Development Policy: A Cautionary Tale from Rwanda
Jessica Marter-Kenyon (University of Georgia)

Community Resilience: A Meta-Study of International Development Rhetoric in Emerging Economies
Rachel Haggard, Anne Cafer, and John J. Green (University of Mississippi)

Early Life Nutrition in Context of War and Conflict in Sub-Saharan Africa. What is the Role of Urban-Rural Residence?
Aramide Kazeem (University of West Georgia) and John M. Musalia (Western Kentucky University)

Eco-labeled Seafoods in the Canadian Retail Environment: Issues and Insights from a Seafood Consumer Survey in Central Canada
Tony Winson (University of Guelph) and Jin Young Choi (Sam Houston State University)
11:20 am – 12:35 pm, Forum Building-2, Forum A:
Session 2 – Livestock Systems and Food Security

Moderator: Buddhi Gyawali (Kentucky State University)

The Effects of Socioeconomic Factors on Acreage Owned and Acreage Farmed by Small Livestock Producers in Alabama
David N.O. Tackie, Jannette R. Bartlett, and Nicole Nunoo (Tuskegee University)

Impact of Year-Round Forage and Pasture Production: Analysis of Perception and Adoption of Technology
Lila B. Karki and Uma Karki (Tuskegee University)

Farmers’ Perception of Food Security (Safety)
Cynthia Rice and Buddhi Gyawali (Kentucky State University)

12:35 pm – 1:35 pm: Lunch (on your own)

1:35 pm – 2:50 pm, Forum Building-2, Forum B:
Session 3 – Rural Engagement and Climate Change

Moderator: Lila B. Karki (Tuskegee University)

Gender Matters: Masculinities among African-American Men Farming in North Carolina
Marcus Bernard (Federation of Southern Cooperatives/Land Assistance Fund) and Rosalind Harris (University of Kentucky)

A Regression on a Social Communication Index to Determine Climate Change Communication
Moses R. Mike and Glenn D. Israel (University of Florida)

Feeding the World and Climate Change: Sustainable Intensification versus Agroecology
Douglas H. Constance and Clara Rondon (Sam Houston State University)

Climate Change, You Might not Believe in it but it won’t Hurt to be Prepared in Case!
Cynthia Rice and Buddhi Gyawali (Kentucky State University)

3:00 pm – 4:15 pm, Forum Building-2, Forum B:
Session 4 – Politics, Health, and Gender

Moderator: Brooklynn Wynveen (Sam Houston State University)

Impacts of Politics on Health Messaging Campaigns: Perceptions of the Affordable Care Act in Kentucky
Emily Rodes and Patricia Dyk (University of Kentucky)

The Role of Political, Dispositional and Demographic Variables on Vaccine Beliefs: Results from an Analysis of a Nationally-Representative Probability Sample
Nick Rudnik and Mike Swain (University of Florida)

Gender and Rural Vitality: Empowerment through Women Community Groups
Pilela Majokweni and Joseph J. Molnar (Auburn University)

The Relationship Between the Church, Land Ownership, and Heir Property for the African American Community in Macon County, Alabama
Kara Woods, Robert Zabawa, and Souleyman Fall (Tuskegee University)

Dismissal of the Collective in Cooperatives: Producing Conceptual Absence with “Vaguely Defined Property Rights”
Thomas W. Gray (USDA, Rural Business--Co-op Service, & Co-op Center, University of Saskatchewan)

The Impact of Race and Region on the Incidence of Heir Property in Alabama
Folasade Adalumo, Dalal Alkordi, Jabeka Macklin, Kara Woods, and Robert Zabawa (Tuskegee University)

2:30 pm – 3:30 pm, Forum Building-2, Forum C:
Section 1: SAAS Board Meeting

4:00 pm – 5:00 pm, Forum Building-2, Forum C:
Section 2: SAAS General Business Meeting

5:00 pm SAAS Social & Super Bowl Party: Southern Kitchen and Bar (walking distance)

Monday, February 4, 2018

8:00 am – 3:00 pm, Forum Building-2, Forum Registration Room: Registration
8:00 am – 8:45 am, Forum Building-2, Forum B: Session 6 – Information Sources and Community Engagement
Moderator: Michael J. Swain (University of Florida)
Collecting Data from the Field: Using Text Message Surveys to Engage with Rural Audiences
Jessica Holt, Madison Crosby, Adam Rabinowitz, Abigail Borron, and Ethan Cartwright (University of Georgia)

A Critical Examination of University Outreach and Engagement Based on the Community Capitals Framework
Abigail Borron, Kevan Lamm, Carolina Darbisi, and Nekeisha Randall (University of Georgia)

Where Did They Get That? County Commissioners’ Sources of Agriculture and Natural Resources Information
Becky Raulerson, Morgan T. Vance, Ricky W. Telg, and Shelli D. Rampold (University of Florida)

Assessing Social Justice in Alabama Using Geographic Information Systems
Nicole I. Nunoo, Robert Zabawa, and Souleymane Fall (Tuskegee University)

8:55 am – 10:10 am, Forum Building-2, Forum B: Session 7 – Rural Poverty and Food Resource Utilization
Moderator: Jessica Marter-Kenyon (University of Georgia)
Rural Blight: Housing Conditions and Social Disorder in Southern Small Towns
Kim Skobba and Adenola Osinubi (University of Georgia)

Fifty Years after, The People Left Behind: Causes of Persistent Poverty in the Rural South
Andrew A. Zekeri (Tuskegee University)

Food Insecurity and Food Resource Utilization among Low-Income Households in North Alabama
James O. Bukenya (Alabama A&M University)

8:55 am – 10:10 am, Forum Building-2, Forum A: Session 8 – Farm and Timber Issues
Moderator: James O. Bukenya (Alabama A&M University)

The (Not) So Great Transformation: Corporate Land Grabs and the Agrarian Identity
John Canfield, Loka Ashwood (Auburn University), Kathryn De Master (University of California Berkeley), Madeleine Fairbairn (University of California Santa Cruz), and Anand Kumar (University of California Berkeley)

Alabama as an Internal Colony: Addressing Problems of Persistent Rural Poverty and Timber Dependency
Conner Bailey (Auburn University)

Farm Safety Practices: Reports from Rural Youth in North Carolina
Paula E. Faulkner, John Owens, and Amber Brown (North Carolina Agricultural and Technical State University)

10:20 am – 11:35 am, Forum Building-2, Forum B: Pre-Organized Workshop Session – Engaging for Success
Moderator: Robert Zabawa (Tuskegee University)
Donny Ingram (Ingram Management Group)

11:45 am – 1:15 pm, Sheraton Birmingham Hotel-1, Birmingham Ballroom 12: Section 4: SRSA Awards Luncheon and Presidential Address
Moderator: Jin Young Choi (Sam Houston State University), President Elect
Awards Presentation
Presidential Address: John J. Green (University of Mississippi)
Pathways for Equity in Development: Exploring the Past and Informing the Future through the Rural Social Sciences

1:20 pm – 2:35 pm, Forum Building-2, Forum A: Session 9 – Community and Development
Moderator: Douglas H. Constance (Sam Houston State University)
Agents of Change: An Assessment of Cultural Transmission, Place and Agency amongst Rural African Americans in the Mississippi Delta
Denae Bradley (University of Mississippi)
Mapping Community Resilience Using Community Based Participatory Methods and Fuzzy Cognitive Mapping
Anne Cafer, Georgianna Mann, and Kimberly Kaiser (University of Mississippi)

Front Yard People: Contemplating the Antecedents, Outcomes, and Potential Research Agendas Associated with a Lifestyle
Brooklynn J. Wynveen (Sam Houston State University)

1:20 pm – 2:35 pm, Forum Building-2, Forum B: Session 10 – Health and Wellness
Moderator: Jin Young Choi (Sam Houston State University)

Restoring the Health of the Marshallese
Sarah Wagner and Jin Young Choi (Sam Houston State University)

The Role of Academic and Governmental Partners in School Wellness across Florida
Mike Swain and Glenn Israel (University of Florida)

Eating and Shopping Habits of Food Desert Residents: The Case of Guilford County, North Carolina
Terrence Thomas (North Carolina Agricultural & Technical State University) and Cihat Gunden (Ege University, Turkey)

2:30 pm – 3:45 pm, Sheraton Birmingham Hotel-1, Ballroom Prefunction: Poster Session

Integrating Soil Health Research into Practical Application by African American and Small Farmers Has Major Results in Changing Attitudes
Edwin Chavous, Marion Simon, Maheteme Geremedhimm, and Louie Rivers (Kentucky State University)

Agricultural Experiences of an Urbanite
Jennifer Lopez (Texas A&M University-Commerce)

Evolution of a Campus Food Studies Movement
Robert L. Williams, Jennifer Lopez, and Carolyn Edler (Texas A&M University-Commerce)

Fight the Bite: An Elementary School Education Campaign to Combat Container-Breeding Mosquitoes
Macarena Urrets-Zavalia, July Nelson, Casey Parker, Sebastian Galindo, Andrea Lucky, (University of Florida), Roxanne Connelly (Centers for Disease Control and Prevention), and Anthony Andenoro (Iowa State University)

The Role of Work Requirements for Public Programs: How Food Insecurity and Health Affect Employment Status
Mike Swain (University of Florida)

From “Whoa! That’s Weird” to “That’s So Cool”: Developing CQ While Studying Abroad
Patricia H. Dyk (University of Kentucky)

3:45 pm – 4:45 pm, Forum Building-2, Forum B: SRSA Business Meeting
(all members are encouraged to attend)

4:45 pm – 5:30 pm, Forum Building-2, Forum A: SRSA Executive Council Meeting

7:00 pm, Sheraton Birmingham Hotel-1, Presidential Suite: SRSA Presidential Reception

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# Meeting Room Information

## Meeting Rooms by Location

### Sheraton Birmingham Hotel

<table>
<thead>
<tr>
<th>Location</th>
<th>Floor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ballrooms 1-12</td>
<td>SBH-1st floor</td>
</tr>
<tr>
<td>Ballroom Prefunction</td>
<td>SBH-1st floor</td>
</tr>
<tr>
<td>East Ballroom Storage</td>
<td>SBH-1st floor</td>
</tr>
</tbody>
</table>

### Forum Building

<table>
<thead>
<tr>
<th>Location</th>
<th>Floor</th>
</tr>
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<tbody>
<tr>
<td>Forum Rooms A-K</td>
<td>Forum-2nd floor</td>
</tr>
<tr>
<td>Forum Reg. Room</td>
<td>Forum-2nd floor</td>
</tr>
</tbody>
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### East Meeting Rooms

<table>
<thead>
<tr>
<th>Location</th>
<th>Floor</th>
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<tbody>
<tr>
<td>East Meeting Rooms A-C</td>
<td>East Mtg Rooms-1st floor</td>
</tr>
<tr>
<td>East Meeting Rooms D-O</td>
<td>East Mtg Rooms-3rd floor</td>
</tr>
<tr>
<td>East Meeting Room Lobby</td>
<td>East Mtg Rooms-3rd floor</td>
</tr>
</tbody>
</table>

## Meeting Rooms Alphabetical

<table>
<thead>
<tr>
<th>Location</th>
<th>Floor</th>
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</thead>
<tbody>
<tr>
<td>Ballrooms 1-12</td>
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<td>East Meeting Rooms A-C</td>
<td>East Mtg Rooms-1st floor</td>
</tr>
<tr>
<td>East Meeting Rooms D-O</td>
<td>East Mtg Rooms-3rd floor</td>
</tr>
<tr>
<td>East Meeting Room Lobby</td>
<td>East Mtg Rooms-3rd floor</td>
</tr>
<tr>
<td>Forum Rooms A-K</td>
<td>Forum-2nd floor</td>
</tr>
<tr>
<td>Forum Reg. Room</td>
<td>Forum-2nd floor</td>
</tr>
</tbody>
</table>

SBH = Sheraton Birmingham Hotel

[Diagram of Sheraton Birmingham Hotel and Meeting Rooms]

[Diagram of Sheraton Birmingham Ballrooms]
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Conference participants are encouraged to write and thank their state Federation for the support of the SAAS Social and Reception.
Next Year’s Meeting Location

SAAS 2020
January 31 – February 4, 2020
Omni Hotels
Louisville, KY