One Hundred and Tenth
Annual Meeting

SOUTHERN
ASSOCIATION OF AGRICULTURAL
SCIENTISTS

2013 Program Book
Orlando, Florida
February 2-5, 2013

SAAS website: www.saasinc.org

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

For the Reception:

Southern Farm Bureau Life Insurance Company
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Conference participants are encouraged to thank the sponsors for their support of the 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
REGISTRATION INFORMATION

Fees: Check with your association before you arrive to see if they can accept credit cards. A receipt will be provided for reimbursement. Fees are association fees + SAAS fee. (SAAS fee is $60 for faculty and professionals; $5 for graduate students; no SAAS fee for undergraduates).

*Check with your Association website or officers for registration fees.

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<th>Assn Bldg &amp; Floor</th>
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<td>Will register at the SAAS Information Desk (we will accept credit cards)</td>
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<td>Sunday &amp; Monday 8am-4pm &amp; Tuesday 8am-noon</td>
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| **Ag Econ** |
| Sunday – Noon-4pm |
| Monday – 8am-5pm |
| Tuesday – 8am-5pm |
| **Palms Ballroom Foyer** |

| **Ag Educ** |
| Saturday – 3pm-6:00pm |
| **Hotel Lobby** |
| Sunday – 7am-10am |
| Monday – 7am-10am |
| **Palms Ballroom Foyer** |

| **Agron (accepts credit cards)** |
| Sunday – 10am-4pm |
| Monday, if needed |
| **Floral Ballroom Foyer** |

| **Animal Sci** |
| Sunday – 11am-4pm |
| Monday – 7:30am-4pm |
| Tuesday – 8am-Noon |
| **Key Rooms Foyer** |

| **Horticulture** |
| Saturday – 7am-6pm |
| **Hotel Lobby** |
| Sunday – 7am-4pm |
| Monday – 7am-10:30am |
| **Citrus Ballroom Foyer** |

| **RCAS** |
| Monday 7:30am (prior to program) |
| **Magnolia** |

| **Rural Soc** |
| Sunday – 7:45am-3:30pm |
| Monday – 7:45am-3pm |
| **Palms Ballroom Foyer** |

SAAS PROGRAMS

SAAS Registration
Sunday 8:00 am - 4:00 pm
Monday 8:00 am - 4:00 pm
Tuesday 8:00 am – Noon
*Palms Ballroom Foyer

SAAS General Business Meeting
Sunday, February 3
4:00 pm – 4:30 pm
*Jasmine Ballroom

“Super Bowl Party”
at NASCAR Sports Grille
Universal’s City Walk

Sponsored by Southern Farm Bureau Life Insurance Co.
Jackson, Mississippi and Affiliates
6:00 pm - Sunday, February 3

(Continuous bus service starting at 5 pm)
Driving a personal vehicle is not recommended.
There will be a $15 parking fee assessed per vehicle.

Executive Committee Meetings

Sunday, February 3
SAAS Board Meeting
2:30 pm – 3:30 pm
*Palms Ballroom C

Tuesday, February 5
SAAS Board Breakfast Meeting
7:30 am – 9:30 am
Azalea A/B

WEATHER/ADA NOTE: This hotel is spread out over a large area and undergoing some construction. If weather is bad or you are not able to walk the distance to your meeting site, you can call the hotel for a ride and they will pick you up in a golf cart. Give them ample time to get to you, as there may be others needing rides at the same time.

Hotel: 407-351-2420
ACADEMIC DEPARTMENT HEADS

Southern Association of Agricultural Scientists
Academic Department Heads

Monday, February 4
2:00 to 4:00 p.m.
Augustine’s Grille Area 2

ADMIN HEADS OF AGRICULTURE

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

Monday, February 4
11:00 am – 3:00 pm
Administrative Heads of Agriculture Section (AHS) Meeting
Lunch will be served.
Executive Board Room
Sunday, Feb. 3

9 a.m. Paper Session I, Palms Ballroom Salon D

Welcome

Advice from Students: Improving Service-Learning in Agricultural Communications – Marie Hefley, Courtney Meyers, Dr. Erica Irlbeck & Cindy Akers

Characteristics of Quality Magazine Capstone Courses – Traci Rushing, Jefferson D. Miller, Leslie Edgar & Casandra Cox

10:15 a.m. Break

10:30 a.m. Paper Session II, Palms Ballroom Salon D

Students’ Reflections of Service-Learning in Agricultural Communications – Marie Hefley, Courtney Meyers, Erica Irlbeck & Cindy Akers

Employee Perceptions of the Brand Salience and Differentiation for a State Forestry Organization – Quisto Settle, Lauri M. Baker & Tracy Irani

A Little Learning is Dangerous: The Influence of Agricultural Literacy and Experience on Young People’s Perceptions of Agricultural Imagery – Annie R. Specht, Dr. Billy R. McKim & Tracy Rutherford

12 p.m. Dutch-treat lunch – Copper Canyon

1:30 p.m. Paper Session III, Palms Ballroom Salon D

Communication Strategies: Maximize the Effectiveness of Your Communication by Using Short Form, Medium Form, and Long Form Methods – Elaine Edwards

Building Trust with Hispanic Farmers and State Extension in Agriculture – S. Janine Parker

2:30 p.m. Poster Session (Setup at 2 p.m.), Palms Ballroom Salon E

4 p.m. SAAS Business Meeting – SAAS General Business Meeting - Jasmine Ballroom

Monday, Feb. 4

8:30 a.m. Paper Session IV, Palms Ballroom Salon D

How transparent should animal agriculture be? Attitudes and message framing surrounding livestock slaughter – Katie Abrams, Thais Zimbres & Chad Carr

Exploring U.S. Agricultural Commodity Organizations’ Use of Blogs as a Communications Tool – Madeline L. Moore, Courtney Meyers, Erica Irlbeck & Scott Burris

The Power of Words: Exploring Consumers’ Perceptions of Agricultural Words – Joy Goodwin, Jessica Holt & Tracy Irani

10 a.m. Break

10:30 a.m. Professional Development Sessions, Palms Ballroom Salon D

Building a virtual conference: Professional development in a new age; Terry Meisenbach, Communications and Marketing Leader, eXtension (45 minutes)

Pinning agriculture: Advice and best practices for using Pinterest in agricultural communications; Danielle White, Chelsey Ahrens, Courtney Gibson & Courtney Meyers, Texas Tech University (30 minutes)

Keeping up with technology: Using lynda.com as an educational resource; Courtney Meyers, Texas Tech University, & Katie Abrams, University of Illinois (15 minutes)

12 p.m. Lunch (on your own)

1:30 p.m. Business meeting, Palms Ballroom Salon D
Innovative Idea Posters

Start, Stop, Continue
Chelsey Ann Ahrens, & Courtney Gibson, Texas Tech University

Becoming a Social Media Content Curator: Using Storify in the Agricultural Communication Classroom
Chelsey Ann Ahrens, & Courtney Meyers Texas Tech University

Intensive Digital Technology Training for Extension Personnel: A Focus on Collaboration
Hayley Jernigan, & Leslie D. Edgar, University of Arkansas

Drawing on Deeper Understanding: Using Concept Maps to Encourage Critical Thinking in Agricultural Communication
Nellie Hill, & Courtney Meyers, Texas Tech University

The Agricultural Communications Experiential Learning Lab: A Pathway to Real-World Experience
Morgan Large & Jefferson Miller, University of Arkansas

Developing Resources to Help Agricultural Communications Students Prepare for the Grammar, Spelling, and Punctuation Exam
Shawna Newsome, Kelsey Fletcher Shaw, Maddee Moore, & Courtney Meyers, Texas Tech University

Research Posters

Getting the Message Across: Student Opinions of PowerPoint and Prezi
Lisa Chesher, & Dr. Steven “Boot” Chumbley, Eastern New Mexico State University

How to Effectively Enhance the use of (State) Marketmaker Among (State) Small Farm Producers and Consumers
Laura J. Conaway, & Alyssa C. Slavin, University of Florida

Agricultural Communications Students’ Preceptions of a Work-Related International Study Tour Experience
Amanda Northfell, Leslie D. Edgar, Casandra K. Cox, & Jefferson Davis Miller, University of Arkansas

How People Leverage and use a Twitter Hashtag for a live agricultural Event
Claire Benjamin & Katie M. Abrams, University of Illinois

Gain and Loss Frames: Exploring Consumers’ Perceptions of Agricultural Messages
Joy N. Goodwin, S. Janine Parker, Tracy Irani, & Gretchen Wulff, University of Florida

Black, White, and Read All Over: Evaluation of Classroom Assignment to increase Student Awareness of Agricultural Issues
Kelsey Fletcher Shaw & Courtney Meyers, Texas Tech University

View the full research papers presented during the 2013 SAAS Agricultural Communications Section at https://sites.google.com/a/extension.org/saasagcomm/. All authors are encouraged to submit their papers to the Journal of Applied Communications. More information is available at http://www.aceweb.org or http://journalofappliedcommunications.org/.

2012-2013 Section Officers

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LSU AgCenter

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Join us for the 2014 SAAS Annual Meeting in Dallas, TX. Meeting information will be available at http://saasinc.org.
AGRICULTURAL ECONOMICS

Southern Agricultural Economics Association
45th Annual Meeting Program
February 2-6, 2013
Wyndham Orlando Resort
Orlando, Florida

SAEA OFFICERS
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SAEA Executive Committee
New Officer Orientation
Saturday 5 pm – 7 pm
Executive Boardroom

Saturday 6pm – 8 pm
Quiz Bowl Orientation and Refreshments
Palms Ballroom Salon A

Sunday 8 am – 4 pm
Quiz Bowl Competition
Palms Ballroom Salons A, B & G
(Salon G only until 1 pm)

Quiz Bowl Break / Recruitment Fair
Sunday 10 am and 2 pm
Palms Ballroom A/B Foyer

Sunday 8:30 am – 2:30 pm
SAEA Executive Council
Azalea A/B

Sunday noon – 4 pm
Registration
Palms Foyer

Sunday 2 pm – 4 pm
Department Heads’ Meeting
Key Rooms Biscayne

Sunday 2 pm – 4 pm
SERA Meeting
Executive Boardroom

Sunday 4:00 pm – 4:30 pm
SAAS Business Meeting
Jasmine Ballroom

AGRICULTURAL ECONOMICS

Sunday, February 3, 4:00 pm – 5:00 pm
Graduate Student Mixer
Poolside Pavilion

Sunday 6 pm – 10 pm
Reception/Super Bowl Party
NASCAR Sports Grille (Universal City Walk)
Shuttle starts at 5:00 pm
Driving a personal vehicle is not recommended. There will be a $15 parking fee assessed per vehicle.

Sunday 1:00 pm – 3:30 pm
Invited Fellows Session
Floral Ballroom Jasmine

Title: Accounting for Positive and Negative Externalities in Benefit-Cost Analyses

Organizer and Moderator: Andrew Schmitz, University of Florida

Presenters:
1. Measuring Negative Externalities associated with Offshore Oil Drilling: A Case Study of Lost Passive and Direct Use Values Claimed by the State of Florida
Sherry Larkin, Ray Huffaker and Rodney Clouser
University of Florida

2. Positive and Negative Externalities in Agricultural Production: The Case of Adena Springs Ranch
Charles Moss and Andrew Schmitz, University of Florida

3. Benefit-Cost Analysis with Negative Externalities: The Case of Cigarette Smoking
Andrew Schmitz, University of Florida, Dwayne Haynes, and Troy G. Schmitz, Arizona State University and Evan D. Schmitz, Pulmonologist, Richland, Washington

4. Accounting for Externalities in Benefit-Cost Measures: An Analysis of a Land Buyout and Associated Projects to Save the Everglades
Andrew Schmitz, University of Florida, and P. Lynn Kennedy, Louisiana State University and the LSU AgCenter and Julie Hill-Gabriel, Audubon Society of Florida
1. Diversification Strategies during Asset Crises: REIT-stock Tail Dependence
Chih Chiang Wu; Yuan Ze University, Meichi Huang; National Taipei University

2. An Economic Analysis of Reservoir Sediment Management: Cropland Management versus Dredging
Craig Smith; Fort Hays State University, Jeffery Williams; Kansas State University, Pouyan Nejadhashemi; Michigan State University, Sean Woznicki; Michigan State, University, John Leatherman; Kansas State University

3. Ethanol trade as impacted by climatic variability: Learning from the U.S - Brazil experience
Rachna Tewari; Texas Tech University, Jeff Johnson; Texas Tech

4. Do Cotton Lint Prices Affect the Decision to Use or By-Pass a Field Cleaner in Cotton Stripper Harvesting?
Blake Bennett; Texas AgriLife Extension Service, Jackie Smith; Texas AgriLife Extension Service, Jeanne Reeves; Cotton Incorporated

5. The Dependence of Nitrogen Price, Nitrogen Demand, and Cotton Production in Texas on Fuel Prices
Blake Bennett; Texas AgriLife Extension Service, Jeanne Reeves; Cotton Incorporated

Lal Almas; West Texas A&M University, David Lust; West Texas A&M University, Kathleen Brooks; West Texas A&M University

Alan Young; Texas A&M University, Joe Paschal; Texas A&M AgriLife Extension, Steven Klose; Texas A&M University

8. The Profitability of Irrigating Corn in Tennessee: Implications of Field Size and Energy Costs
Christopher Boyer; University of Tennessee, James Larson; University of Tennessee, Roland Roberts; The University of Tennessee, Anegeila McClure; University of Tennessee, Donald Tyler; University of Tennessee

9. Factors Affecting Freshmen Retention in the College of Agriculture
Jared Batte; Auburn University, Patricia Duffy; Auburn University, Paul Patterson; Auburn University

10. Dairy Risk Management Education with Real-Time Futures Market Simulation
John VanSickle; University of Florida, Mary Sowerby; University of Florida

11. Developing and Delivering Course Content for Dual Enrollment Courses
Scott Parrott; University of Tennessee at Martin, Joseph Melhorn; University of Tennessee at Martin, Jeremy D’Antoni; UT Martin, Sandy Melhorn; UT Martin, Kelly Davidson; University of Tennessee at Martin

12. NAAEA Social Media Survey 2011
Mike Monson; University of Missouri

13. Life Cycle Analysis on Cropping and Rangeland Systems in the Texas High Plains and Rolling Plains
Tong Wang; Seong Park; Nithya Rajan; Stan Bevers; Stephen Amosson; Texas A&M AgriLife Extension Service

14. Economics of Turfgrass-Sod Production as Compared to Row Crops in Alabama
Jing Yi; Texas A&M University, Patricia Duffy, David Han, Deacue Fields, Elizabeth Guertal; Auburn University

15. Risk Analysis for Agricultural Cooperatives
Phil Kenkel; Oklahoma State University

Mahdi Asgari, Sayed Saghaian; University of Kentucky

17. Analysis of Pasture Systems to Maximize the Profitability and Sustainability of Grass-Fed Beef Production
Basu Bhandari; Louisiana State University, Jeffrey Gillespie; Louisiana State University Agricultural Center
19. Assessing the Cost of Supplying Alternative Dedicated Energy Crops for Biofuel Production in Tennessee
   Tun-Hsiang Yu; James A. Larson; Burton English; University of Tennessee

20. Geospatial Analysis of Income Growth in Southeastern United States
   Buddhi Gyawali; Kentucky State University

21. The Contribution of Agriculture to the Arkansas Economy
   Katherine McGraw, Jennie Popp, Wayne Miller; University of Arkansas

22. Integrating a Life Cycle Costing Model into a GHG Emissions Model for Swine Production
   Jennie Popp and German Rodriguez, Rick Ulrich, Gina Vickery-Niederman; University of Arkansas, Michael Black; Cornell University

23. Expectation and Application of GPS Guidance System in Precision Agriculture: A Bayesian Approach
   Aditya Khanal, Ashok Mishra, Krishna Paudel; Louisiana State University, Dayton M. Lambert; University of Tennessee

24. Reasons for Dairy Production Decline in Arkansas
   Molly Brant; Arkansas Tech University

25. Reasons for Dairy Production Continuation in Arkansas
   Molly Brant; Arkansas Tech University

26. The Small Meat Processing Plant Model: A Feasibility Template for Producers and Extension Specialists
   Rodney Holcomb, Kyle Flynn, Phil Kenkel; Oklahoma State University

27. How Truly Leveraged Are Local Governments? Redefining Solvency for Local Governments in the Gulf of Mexico States
   Arun Adhikari, Joshua Detre, James Fannin; Louisiana State University Agricultural Center

28. Do Students See the Big Picture: General versus Discipline Specific Education?
   Jason Roberts, Sandy Mehlhorn, Joseph Mehlhorn; University of Tennessee at Martin

29. Farmer’s Willingness to Grow Biomass for Energy Production: The Kentucky Case
   Austin Jacobs, Tyler Mark; Morehead State University

30. Have Farmers and Ranchers Lost Confidence in Futures Markets?
    Steve Amosson, David Anderson, Stan Bevers, Robert Hogan, Dean McCorkle, John Robinson, Jackie Smith, Mark Waller, Emmy Williams; Texas A&M AgriLife Extension Service, Mark Welch; Texas Tech University

31. Small Farmers in North Carolina – Successful Practices
    Anthony Yeboah, John-Paul Owens, Jarvetta Bynum, Benjamin Gray; North Carolina A&T State University

32. Economic Impacts of Changing Herd Sires for Arkansas Cow-Calf Operations
    Daniel Keeton, Michael Popp, Aaron Smith; University of Arkansas

    Nathaniel Cahill, Michael Popp; University of Arkansas, Charles West, Alex Rocatelli; Texas Tech University, Amanda Ashworth; The Center for Native Grasslands Management

34. Bioenergy market potential: Assessments of prospects for lignocellulosic bioethanol production
    Marta Wlodarz; Texas A&M University

    Kayla Brown, Paul Darby, Michael Salassi; Louisiana State University

36. Standing the Test of Time: Why Some Publicly Traded Agribusiness Firms Make It and Others Fail
    Joshua Detre, Paul Darby; Louisiana State University Agricultural Center

37. The Cost Effectiveness of Biological Control: The Case of Invasive Mole Crickets and Florida’s Commercial Pastureland
    Michael Thomas; Florida A&M University

38. Comparing Results of Irrigation Water Demand Forecasting from Three Southern States
    Swagata “Ban” Banerjee; University of Wisconsin-Platteville

39. Student Engagement in the Classroom
    Mary Marchant; Virginia Tech
40. Perennial Biomass for Bioenergy: Interest Sensitivity of Supply Prices
Godfrey Ejimakor, Kimona Smith; NC A&T State University

41. Producer Willingness to Pay for the Services Provided by an Electronic Trade Platform: The Case of MarketMaker
Samuel Zapata, Carlos Carpio, Olga Isengildina-Massa, Ronald Lamie; Clemson University

42. Farm-Level Impacts of Producing Perennial Energy Crops
Kingsley Bonsu, Godfrey Ejimakor, Ralph Okafor; NC A&T State University

43. Product Diversification, Performance, and Risk of U.S. Agribusinesses
Pablo Garcia-Fuentes, P. Lynn Kennedy; Louisiana State University, Gustavo Ferreira; Virginia Tech, Felipe Perez; INCAE Business School

44. Does Microfinance Alleviate the Financing Constraints of Ghanaian Small Businesses?
Frederick Quaye, Valentina Hartarska; Auburn University

45. Students’ Perception of Expense and Healthiness of Food Products
Laura Stocking, Sierra Howry, A. Dean Monroe, Loree Branham; Angelo State University

46. Investing in Agribusiness Stocks: What Lies Ahead!
Tatsuya Hanabuchi; Louisiana State University

47. Investigating long Run and Short Run Factors Affecting Renewable Energy Consumption in Louisiana
Krishna Koirala, Aditya Khanal; Louisiana State University

48. The Cost Effectiveness of Biological Control: The Case of Invasive Mole Crickets and Florida’s Commercial Pastureland
Michael Thomas; Florida A&M University

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Monday 8:00 am – 5:00 pm
Registration
Palms Foyer

Monday 8 am – 12 noon
Quiz Bowl Competition
Palms Ballroom Salons A & B

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Quiz Bowl Break / Recruitment Fair
10 am
Palms Ballroom A/B Foyer

Monday 8:30 am – 10:10 am
Selected Papers Session 1
Floral Ballroom Azalea A/B

Title: Carcass quality, Steaks preferences, Traceability and Valuation Methods
Moderator: Scott Fausti, South Dakota State University

8:30 The Effect of Carcass Quality on the Grid versus Dressed Weight Carcass Revenue Differential
Scott Fausti, South Dakota State University, Matthew Stockton, University of Nebraska, Bashir Qasmi, South Dakota State University, Matthew Diersen, South Dakota State University

8:50 Can Enhanced Traceability Generate Extra Value-Added for Cattle at Auction?
Jared Carlberg, University of Manitoba, Robert Hogan, Texas A&M University

9:10 How local is local? Consumer Preference for Steaks with Different Food Mile Implications
Kar Ho Lim and Wuyang Hu, University of Kentucky

9:30 The Comparison of three Non-Hypothetical Valuation Methods: Experimental Auction, Choice Experiments and Contingent Valuation
Jing Xie and Zhifeng Gao, University of Florida

9:50 Fresh Vegetable Growers’ Risk Perception, Risk Preference and Choice of Marketing Contracts: A Choice Experiment
Michael Vassalos, Wuyang Hu, Tim Woods, Jack Schieffer and Carl Dillon, University of Kentucky

Monday 8:30 am – 10:10 am
Selected Papers Session 2
Citrus Ballroom Tangerine B

Title: Extension Issues associated with Livestock (Cattle)
Moderator: Kenneth H Burdine, University of Kentucky

8:30 Factors Contributing to Effective U.S. Cooperative Member-owner Communications
Lisa Brown, Rodney Holcomb, Phil Kenkel and Traci Naile, Oklahoma State University
Factors Affecting Southeast Feeder Cattle Prices in Internet Sales
Kenny Burdine, Leigh Maynard and Greg Halich, University of Kentucky

Veterinary Medicine Industry in Texas: An Analysis of Economic Contribution
Jenna Beyer, Dean McCorkle and Daniel Hanselka, Texas A&M AgriLife Extension Service

Feedlot vs. Pasture Impacts on Beef Cattle Calf Prices
Greg Halich and Kenny Burdine, University of Kentucky

America’s Wetland? A National Survey of Willingness to Pay for Restoration of Louisiana’s Coastal Wetlands
Daniel Petrolia and Matthew Interis, Mississippi State University

Economic Impact of Hunting, Fishing and Wildlife-Associated Recreation Expenditures in Southern United States
Jagdish Poudel, James Henderson and Ian Munn, Mississippi State University

Ecosystems, Ecological Restoration and Economics: Does Habitat and Resource Equivalency Analysis Mean Other Economic Valuation Methods Are Not Needed?
Douglass Shaw and Marta Wlodarz, Texas A&M University

The Importance of Irrigated Crop Production to Texas High Plains Economy
Bridget Guerrero and Stephen Amosson, Texas A&M AgriLife Extension Service

NPV of Precision Fungicide Management for Strawberry Production in Florida Using Stochastic Simulation Framework
Ekaterina Vorotnikova, Tatiana Borisova and John VanSickle, University of Florida

The Potential for Greenhouse Tomato Production Expansion in Florida
Serhat Asci, John VanSickle and Dan Cantliffe, University of Florida

Wan Xu and Hayk Khachatryan, University of Florida

Household Level Demand for Ornamental Plants with Stated Preference Data
Hee Jung Choi and Hayk Khachatryan, University of Florida

A Comprehensive Analysis of Adoption of Energy Crops, GM Crops and Conservation Practices
Haluk Gedikoglu, Lincoln University of Missouri

Will biodiesel production trigger another food crisis? An implication from a VEC model
Na Hao, Gregory Colson, Berna Karali and Michael Wetzstein, University of Georgia

Applying a voluntary incentive mechanism to the problem of groundwater conservation: an experimental approach
Andrew Wright and Darren Hudson, Texas Tech University

Agricultural Land Use Change and Land Availability for Bioenergy Crops in Illinois
Shyam Nair and Chenggang Wang, Texas Tech University
Title: **Potpourri of Agricultural Policy issues**

Moderator: Syed H. Jafri, Tarleton State University

**8:30**  **Impacts of ICT on Beans Market Integration: Case of Rwanda**
Jean-Claude Bizimana and David Bessler, Texas A&M University

**8:50**  **Carbon Sequestration and Carbon Management Policy Effects on Production Agriculture in the Texas High Plains**
Sanja Zivkovic and Darren Hudson, Texas Tech University

**9:10**  **Motivation for Farm to School Participation: Nutritional versus Food Hardship considerations**
Marissa Watson, Cesar Escalante, Glenn Ames, and Kent Wolfe, University of Georgia

**9:30**  **Mexican Migrant Labor and Southern Plains Labor: Compatible or Exclusive**
Edward Osei, TIAER, Tarleton State University

Title: **Crops Outlook for 2013**

Organizers: Luis Ribera, Texas A&M University; Nathan Smith, University of Georgia; Southern Extension Economists Committee

Moderator: Luis Ribera, Texas A&M University

Presenters:
1. **Corn Outlook**, Cory Walters, University of Kentucky
2. **Cotton Outlook**, John Robinson, Texas A&M University
3. **Oilseed Outlook**, Kurt Guidry, Louisiana State University, and Nathan Smith, University of Georgia
4. **Fruit and Vegetable Outlook**, John VanSickle, University of Florida

**Monday 8:30 am – 10:10 am**
**Organized Symposium 1**
Palms Ballroom Salon I

Title: **Agribusiness, Finance and Extension Issues Associated with Water**

Moderator: Tatiana Borisova, Florida State University

**10:30**  **Effectiveness of an extension program in changing residential irrigation water use**
Tatiana Borisova and Pilar Useche, University of Florida

**10:50**  **Measuring the Effect of Green Space on Property Value: An Application of the Hedonic Spatial Quantile Regression**
Sezhu Liu, Auburn University

**11:10**  **Irrigation water sources and irrigation application methods used by U.S. nursery producers**
Krishna Paudel, Mahesh Pandit, Roger Hinson, Louisiana State University

**11:30**  **Economic Analysis of Crop Insurance Alternatives Under Surface Water Curtailment Uncertainty**
Lawrence Falconer, Mississippi State University Extension Service and James Richardson, Texas A & M University

**Monday 10:30 am – 11:45 am**
**Selected Papers Session 7**
Palms Ballroom Salon C

Title: **Productivity, Production and Cost Efficiency**

Moderator: Olga Murova, Texas Tech University

**10:30**  **Production Efficiency and Land Policy of Ukraine**
Olga Murova, Texas Tech University

**10:50**  **Effects of Field Characteristics and Management on Technical, Allocative and Economic Efficiency of Rice Production in Arkansas**
Tatjana Hristovska, Bradley Watkins, Ralph Mazzanti, Charles Wilson, Jr., University of Arkansas

**11:10**  **Scale and Scope Economies and Economic Performance in the Southeastern U.S. Cow-Calf Segment**
Berdikul Qushim, and Jeffrey Gillespie, Louisiana State University, Richard Nehring, USDA/ERS
AGRICULTURAL ECONOMICS

11:30  Productivity and Efficiency of Small Scale Agriculture: A Distance Function Approach with Generalized Method of Moments  
Dawit Mekonnen, Jeffrey Dorfman, Greg Fonsah, 
University of Georgia

Monday 10:30 am – 11:45 am  
Selected Papers Session 9  
Citrus Ballroom Tangerine B

Title: Potpouri of Farm Management Issues

Moderator: Christopher Boyer, University of Tennessee
10:30  Nitrate Toxicity in Bermudagrass Hay and Its Effect on Net Returns  
Christopher Boyer, Andrew Griffith, Brian Leib, Roland Roberts, Hubert Savoy, University of Tennessee

10:50  Intergenerational Management Transfers in Family Farm Businesses  
Kelly Lange, Virginia Tech, Jeff Johnson, Phillip Johnson, Darren Hudson, Chenggang Wang, and Bill Gustafson, Texas Tech University

11:10  Barriers to Entry for Young and Beginning Cattle Producers in Oklahoma  
Seth Menefee, Damona Doye, Oklahoma State University

11:30  Arkansas Meat Goat Budget - Optimizing Returns on Organic Goat Meat  
H. L. Goodwin, Jr., Sandy Martini, University of Arkansas

Monday 10:30 am – 11:45 am  
Selected Papers Session 10  
Key Rooms Cedar

Title: Production and Cost Efficiency, Precision Technology and Expenditures

Moderator: Michael R. Langemeier, Purdue University
10:30  Cost Efficiency and Feed Grain Production in Kansas  
Michael Langemeier, Elizabeth Yeager, Dan Obrien, Kansas State University

10:50  Factors Affecting U.S. Farmer’s Expenditures on Farm Machinery 1960-2010  
William Osborne, Sayed Saghaian, University of Kentucky

11:10  Environmentally Responsible versus Profit Oriented Farmers: Evidence from Precision Technologies in Cotton Production  
Sofia Kotsiri, Roderick Rejesus, Sherry Larkin, Michele Marra, North Carolina State University

11:30  Measuring Technical, Allocative, and Economic Efficiency of Rice Production in Arkansas using Data Envelopment Analysis  
Bradley Watkins, Tatjana Hristovska, Ralph Mazzanti, Charles Wilson, Jr., University of Arkansas

Monday 10:30 am – 11:45 am  
Selected Papers Session 11  
Key Rooms Longboat

Title: Productivity, Poverty and Trade Agreements

Moderator: Saleem Shaik, North Dakota State University
10:30  Trade Liberalization Effects on Agricultural Production Growth: The Case of Sri Lanka  
Nirodha De Silva, Jaime Malaga, Texas Tech University

10:50  Total Factor Productivity in Brazil’s and Argentina’s Agriculture: A Comparative Analysis  
Rebati Mendali, Lewell Gunter, University of Georgia

11:10  Impact of Agricultural Productivity Changes on Poverty Reduction in Developing Countries  
Rebati Mendali, Glenn Ames, Lewell Gunter, University of Georgia

Saleem Shaik, North Dakota State University and Osei Yeboah, North Carolina A&T University

Monday, 11:45 am – 1:00 pm 45th SAEA Annual Meetings Luncheon  
Palms Ballroom Salon H/I

Welcome Parr Rosson, SAEA President  
Presidential Address  
R. Wes Harrison
Title: Auditing the Auditors: The Credibility of Certification
Organizer and Moderator: Julie Caswell, University of Massachusetts Amherst

1. Julie A. Caswell, University of Massachusetts Amherst and Kathryn Boys, Virginia Tech University, *The Industrial Organization of Food Certification*
2. Peter Charette, Saint Joseph’s University, Neal H. Hooker, The Ohio State University, John Stanton, Saint Joseph’s University, *Auditing Source, Safety and Sustainability*
4. Discussant: James Sterns, University of Florida

Title: Legends vs Quiz Bowl Champs
Organizer and Moderator: Corey Miller, Mississippi State University

Title: Livestock Outlook for 2013
Organizers: Luis Ribera, Texas A&M University; Nathan Smith, University of Georgia; Southern Extension Economists Committee
Moderator: Luis Ribera, Texas A&M University

1. *Cattle Outlook*, Ross Pruitt, Louisiana State University
2. *Dairy Outlook* David Anderson, Texas A&M University
3. *Goats and Sheep Outlook*, J.J. Jones, Oklahoma State University
4. *Poultry Outlook*, H.L. Goodwin, University of Arkansas

Title: A Matter of Opinion: The perspective and experience of Graduate Students versus Graduate Coordinators in Agricultural Economics
Organizer & Moderator: Jerrod Penn, University of Kentucky

1. H. Mikael Sandberg, University of Florida and Jerrod Penn, University of Kentucky, *The Experiences and Opinions of Agricultural Economics Master’s Students*
2. Barry Barnett, Mississippi State University, *Graduate Coordinator Reactions*
3. David Leatham, Texas A&M University, *Graduate Coordinator Reactions*
4. Michael Wetzstein, University of Georgia, *Graduate Coordinator Reactions*
Title: Potpouri of Production Economics II

Moderator: Sandra Amonoo, Mississippi State University

1:15 Economic Value of Old World Bluestem and Optimum Grazing Season Under Alternative Stocking Rates
Lal Almas, David Lust, Kathleen Brooks, West Texas A&M University

1:35 Economic Feasibility of Table Grape Production in Kentucky
Stephen King, Todd Willian, Martin Steone, Nathan Howell, Western Kentucky University

1:55 Effect of Late Season Precipitation on Cotton Yield Distribution
Sandra Amonoo, Jesse Tack, Mississippi State University

2:15 Farmers’ Perceptions of Biopharming: Insights from a Tobacco Biopharming Survey
Michelle Hayes, Genti Kostandini, Jeffrey L. Jordan, University of Georgia

2:35 Comparison of Cow-Calf Producer Net Returns and Greenhouse Gas Emissions from Changes in Calving Distributions in the Southeast Transition Zone
Aaron Smith, Michael Popp, Daniel Keeton, University of Arkansas

Title: Risk and Uncertainty in Agriculture

Moderator: Young-Jae Lee, Louisiana State University

1:15 The Role of Uncertainty in the Agricultural Output Market in Acreage Allocation Decisions
Youngjae Lee, P. Lynn Kennedy, Louisiana State University

1:35 Identifying the Structure of Risk Aversion from Production Data
Feng Wu, Zhengfei Guan, University of Florida
Monday 3:20 pm – 5:00 pm

**Lifetime Achievement Symposium**

Citrus Ballroom - Tangerine A

**Moderator:** Parr Rosson, Texas A&M University

**2013 Award Winners**

- Damona Doye, Oklahoma State University
- Bill Herndon, Mississippi State University
- Charles Moss, University of Florida
- David Bessler, Texas A&M University
- Jim Novak, Auburn University

Monday 3:20 pm – 5:00 pm

**Organized Symposium Session 4**

Palms Ballroom Salon A

**Title:** Changes in Agriculture, Natural Resources, and Rural Areas in the South: Is Future Population Growth Being Overlooked?

Organized on behalf of Southern Extension Economics Committee and Southern Program Leaders - Community Resource Development Committee (SPL-CRD). Organizers and Moderators: Tatiana Borisova and Rodney Clouser, University of Florida. James Novak, Auburn University

**Presenters:**

1. Rodney Clouser, University of Florida, *The Changing Face of the Southern Region*
2. Tatiana Borisova, University of Florida and Jeffrey Mullen, University of Georgia, *Water Resources: Any Hope Left?*
3. Patricia Duffy, Auburn University, *Agricultural Land Use and Values*
4. David Hughes, Clemson University, *Impacts on Rural Communities and Areas*

**Discussant:** Nathan Smith, University of Georgia

Monday 3:20 pm – 5:00 pm

**Invited Papers Session 3**

Citrus Ballrooms Tangerine B

**Title:** Future Domestic and International Competitiveness of the Southern Fruit and Vegetable Industry

Organizer and Moderator: Ronald D. Knutson, Texas A&M University

Monday 3:20 pm – 5:00 pm

**Selected Papers Session 16**

Palms Ballroom Salon B

**Title:** Future Domestic and International Competitiveness of the Southern Fruit and Vegetable Industry

Agricultural economics

Presenters:

2. Mechel Paggi and Fumiko Yamazaki, Fresno State University, *Domestic and Trade Implications of Leafy Green Marketing Agreement (LGMA) – Type Policies and the Food Safety Modernization Act (FSMA) For the Southern Produce Industry*
4. Discussant: Greg Fonsah, University of Georgia, *Southern Produce Industry Implications*

Monday 3:20 pm – 5:00 pm

**Selected Papers Session 17**

Palms Ballroom Salon C

**Title:** Greenhouse Gas, Carbon Sequestration, Environment and Point Source Cost
AGRICULTURAL ECONOMICS
Moderator: Edward Yu, University of Kentucky
3:20  Greenhouse Gas Assessment of an Economically Optimized Switchgrass Supply System for Biofuel Production: A Case Study in Tennessee
Zidong Wang, Tun-Hsiang Yu, Burton English, James A. Larson, The University of Tennessee

3:40  Understanding Point Source Cost Structure and Willingness to Pay for Reducing Nitrogen and Phosphorous
Andrew Mclaughlin, Wuyang Hu, Jack Schieffer, Angelos Pagoulatos, University of Kentucky

4:00  Turning Carbon into Money: Economic Model of Payments for Carbon Sequestration in the Dry Tropical Forest of Costal Ecuador
Trent Blare, University of Florida

4:20  Impact of Valuing Environmental Variables on the Breakeven Price of Switchgrass
Deepayan Debnath, Francis Epplin, Arthur Stoecker, Oklahoma State University

Monday 3:20 pm – 5:00 pm
Selected Papers Session 18
Palms Ballroom Salon H

Title: International Agribusiness and Finance Issues
Moderator: Ganna Sheremenko, University of Georgia
Xile Li, Sayed Saghaian, University of Kentucky

3:40  The Expansion of Food Retail in Developing Countries and Its Effects on the Hunger Index
Patricia Wells, Sayed Saghaian, University of Kentucky

4:00  Poverty outreach in Southern and Northern Ghana
Ganna Sheremenko, The University of Georgia, Wojciech Florkowski, The University of Georgia, Anna Klepacka, Wasraw University of Life Sciences

4:20  Economic Performance of U.S. Multinational Manufacturing Firms: Foreign Direct Investment and Firm Strategy
Pablo Garcia-Fuentes, Louisiana State University, Gustavo Ferreira, Virginia Tech, P. Lynn Kennedy, LSU Ag Center

AGRICULTURAL ECONOMICS
Monday 3:20 pm – 5:00 pm
Selected Papers Session 19
Palms Ballroom Salon I

Title: Basis, Prices and Hedging issues related to Grain Markets
Moderator: Shu Li, North Carolina State University
3:20  Proposed Farm Bill Impact on the Optimal Hedge Ratios for Crops
Trang Tran, Keith Coble, Ardian Harri, Barry Barnett, John Riley, Mississippi State University

3:40  Grain Transport on the Mississippi River and Spatial Corn Basis
Shu Li, Walter Thurman, North Carolina State University

4:00  The Reaction of Corn and Soybean Futures Markets to USDA Crop Progress and Condition Information
George Lehecka, University of Nat. Res. and Life Science

4:20  Ethanol and Corn: How Tightly are their Prices Tied?
Paul Darby, Louisiana State University, Jeremy D’Antoni, University of Tennessee at Martin, Scott Parrott, University of Tennessee at Martin, Joseph Mehlhorn, University of Tennessee at Martin

Monday 3:20 pm – 5:00 pm
Selected Papers Session 20
Floral Ballroom Oleander A

Title: Potpourri of Marketing and IO issues
Moderator: Gustavo Ferreira, Virginia Tech University
3:20  The Value of Price Stabilization Policy for Cotton Producers in Burkina Faso
Amadou Gouzaye, Jeffrey Vitale, Francis Epplin, Brian Adam, Arthur Stoecker, Oklahoma State University

3:40  End User Preferences for USDA Market Information
J. Pruitt, Louisiana State University, Glynn Tonsor, Kansas State University, Kathleen Brooks, West Texas A&M University, Rachel Johnson, USDA

4:00  What Influences a Student to Attend a Regionally Isolated University
A. Dean Monroe, Sierra Howry, Angelo State University
AGRICULTURAL ECONOMICS

4:20  Websites and Web-based Marketing Tools of Virginia Wineries
Gustavo Ferreira, Virginia Tech, Joao Paulo Ferreira, Bridge consulting

Monday 3:20 pm – 5:00 pm
Selected Papers Session 21
Floral Ballroom Azalea A/B

Title: Importance of Floods, Stormwater and Insurance
Moderator: Jessica Boatwright, Virginia Tech University
3:20  Subdivision Infrastructure affecting Stormwater Runoff and Residential Property Values
Jessica Boatwright, Kurt Stephenson, Kevin Boyle, Virginia Tech

3:40  Agricultural Land Conversion in Lee County, Florida: Impacts of Economic and Natural Risk Factors in a Coastal Area
Sheng Li, Denis Nadolnyak, Auburn University

4:00  Economic Shocks and Civil Conflict: The Case of Large Floods
Ramesh Ghimire, Susana Ferreira, University of Georgia

4:20  An Evaluation of the National Flood Insurance Program (NFIP) in Georgia
Ajita Atreya, Susana Ferreira, University of Georgia

Monday 3:20 pm – 5:00 pm
Selected Papers Session 22
Key Rooms Cedar

Title: Cost Effectiveness, Cost Analysis, Economic Constraints and Resource Curse
Moderator: Constant Z. Ouapo, TAMU
3:20  Cost Analysis for the Adoption of Solid-Set and Water Truck Sprinkler Systems for Feedlot Dust Control
Constant Ouapo, Stephen Amosson, Bridget Guerrero, Seong Park, Texas A&M AgriLife Research Service

3:40  Ideal wind farm sites of Texas Panhandle Region and economic constraints associated with them
Rahul Kanungoe, Texas Tech University

AGRICULTURAL ECONOMICS

4:00  Crowding-out Effect or Institutions? Revisiting the Resource Curse with an Investigation of U.S. States
Na Zuo, Jack Schieffer, University of Kentucky

4:20  Optimal Unemployment Insurance with Endogenous UI Eligibility
Min Zhang, Shanghai University of Finance and Economics

4:40  The Cost Effectiveness of Biological Control: The Case of Invasive Mole Crickets and Florida’s Commercial Pastureland
Grace Mhina, Michael Thomas, Florida A&M University

Monday 3:20 pm – 5:00 pm
Selected Papers Session 23
Key Rooms Longboat

Title: Research Methods
Moderator: Saleem Shaik, North Dakota State University
3:20  A Non-Spatial Analysis of the Role of Residential Real Estate Investment in the Economic Development of the Northeast Region of the United States
Praveena Jayaraman, Tesfa Gebremedhin, West Virginia University

3:40  Market Channel Analysis of Ornamental Plants using Clustering Procedures
Mahesh Pandit, Krishna Paudel, Roger Hinson, Louisiana State University

4:00  Risk Preference Estimation under Constrained Input Demand
Zhengfei Guan, Feng Wu, University of Florida

4:20  Climate Risk Adjusted Efficiency Measures of World and Regional Agricultural Sector
Saleem Shaik, North Dakota State University

Monday 5:15 pm – 7:00 pm
SAEA Business Meeting and Awards Program
Citrus Ballroom Lime

Monday 7:00 pm – 9:00 pm
Student Reception
Buffalo Wild Wings Restaurant
AGRICULTURAL ECONOMICS

Tuesday, 8:00 am – 5:00 pm
Registration
Palms Foyer

Tuesday 8:00 am – 10:00 am
Keynote Speaker Breakfast
Palms Ballroom Salon G/H/I

ISI Web of Knowledge – It's History and Future
Moderator: Parr Rosson, Texas A&M University

Participants:
Daniel Petrolia, Mississippi State University
Darren Hudson, Texas Tech University

Tuesday 10:15 am – 12:00 noon
Invited Papers Session 4
Citrus Ballroom Tangerine B

Title: Assistant Professor Leadership Award
Winners’ Invited Paper Series
Organizer: SAEA Board
Moderator: Wes Harrison, Louisiana State University and LSU AgCenter

Presenters:
2. John Michael Riley, Mississippi State University, Extension’s Role in Commodity Marketing Education: Past, Present, and Future
3. Swagata “Ban” Banerjee, University of Wisconsin-Platteville, Econometric Forecasting Of Irrigation Water Demand Conserves A Valuable Natural Resource
4. Jody L. Campiche, Oklahoma State University, Details of the Proposed STAX Program for Cotton Producers and Potential Strategies for Extension Education

Tuesday 10:15 am – 12:00 noon
Organized Symposium Session 5
Palms Ballroom Salon B

Title: Using Smart Phone, Tablets, and Online Technologies to Enhance the Classroom Experience
Organizer: Jeremy D’Antoni, University of Tennessee at Martin

AGRICULTURAL ECONOMICS

Presenters:
1. Tim Burcham, University of Tennessee at Martin, Experiences in Building a Successful Online Program
2. Joshua Detre, Louisiana State University, Experiences in Undergraduate level Online Education
3. Joey Melhorn, University of Tennessee at Martin, Experiences in Graduate level Online Education
4. Scott Parrott, University of Tennessee at Martin, Using Echo 360 and Digital Learning Objects in the Classroom
5. Phillip Smartt, University of Tennessee at Martin, Using iPads and the Latest Apps to Improve the Learning Experience

Tuesday 10:15 am – 12:00 noon
Selected Papers Session 24
Palms Ballroom Salon A

Title: Crop Insurance, Safety Net and Loan Program Policy Issues
Moderator: Eric Wailes, University of Arkansas
10:15 Analysis of Shallow Loss Safety Net Programs in Proposed 2012 Farm Bill for Arkansas Rice Farms and the U.S. Rice Sector
Eric J. Wailes, K. Watkins, Vuko Karov, Eddie Chavez, Univ of Arkansas
10:35 Crop Insurance Challenges and Prospects for Southern Irrigated Farms: the case of Arkansas
Vuko Karov, Eric J. Wailes, Bradley Watkins, University of Arkansas
10:55 Conceptualizing and Designing an Innovative Young and Beginning Producer Loan Program
Paul Goeringer, H.L. Goodwin, Bruce Dixon, Michael Popp, University of Arkansas
11:15 Small Area Estimation of Insurance Premium and Basis Risk
Sebastain Awondo, Greg Fonsah, Octavio Ramirez, University of Georgia

Tuesday 12:00 pm – 1:20 pm
Lunch Break

34
Title: Challenges of Entering and Succeeding in Southeastern Agriculture: Access to Credit, Supply Chains, and Consumers

Organizer and Moderator: Mary Ahearn, Economic Research Service, United States Department of Agriculture

Presenters:
1. James M. Williamson, Economic Research Service, United States Department of Agriculture, and Ani L. Katchova, University of Kentucky, Access to Agricultural Credit: Issues and Opportunities
2. Mary Ahearn, Economic Research Service, United States Department of Agriculture and James Sterns, University of Florida, Factors Affecting the Success of Diversified Multi-Functional Farm Operations
3. Lurleen M. Walters and Gilbert L. Queeley, Florida A&M University, Supply Chain Issues in North Florida: Limitations and Implications for Local Food Markets
4. Kimberly L. Morgan, Mississippi State University, Developing Targeted Direct Marketing Strategies for Mississippi Specialty Crop Producers Using Regional Consumer Market Research

Title: Role of Marketing Policy in Teaching Agribusiness, Agricultural Policy, and Marketing Classes

Organizer: Ronald Knutson, Texas A&M University

Moderator: Walt Armbruster, Farm Foundation

Presenters:
Joe Parcell, University of Missouri-Columbia
Gail Cramer, Louisiana State University and LSU AgCenter
Mechel Paggi, California State University Fresno
Discussant: Ronald Knutson, Texas A&M University

Title: Farm Financial Information and Performance

Moderator: Jeffrey M. Gillespie, Louisiana State University

1:20 Value Premium: Evidence from the U.S. Agriculture Industry
Bruno Arthur, Ani Katchova, University of Kentucky

Richard Nehring, USDA/ERS, Jeffrey Gillespie, Louisiana State University, Johannes Sauer, University of Kiel, Kenneth Erickson, USDA/ERS, Michael Harris, USDA/ERS, Charlie Hallahan, USDA/ERS, David Marquardt, USDA/ERS

2:00 Assessing the Impact of Internet Use on Household Income and Farm Financial Performance
Aditya Khanal, Ashok Mishra, Louisiana State University

2:20 How Much Financial Information is in Historical Cost and Market Valued Balance Sheets?
Jaclyn Kropp, Charles Moss, University of Florida

Title: Risk Management and Financial Crisis

Moderator: Cesar Escalante, University of Georgia

1:20 Economic Analysis of Producing and Handling Francis Mango in Haiti to U.S. Market: A Financial Risk Management Approach
Isnel Pierreval, Diagnostic & Development Group, John VanSickle, University of Florida

1:40 Applying Input Distance Function to Measure Bank Efficiency during Late 2000s Financial Crisis
Cesar Escalante, Xiaofei Li, University of Georgia
The Effect of a Multi-tiered Model for Reducing Obesity Risk Factors: Attitude and Behavior Change in a Rural Community
Janani Thapa, Texas Tech University, Conrad Lyford, Texas Tech University, Eric Belasco, Montana State University, Barent McCool, Texas Tech University, Audrey McCool, Texas Tech University, Barbara Pence, Texas Tech Health Sciences Center, Tyra Carter, United Supermarkets, LLC

Risk Management in Agricultural Banks: An Application of Endogenous Switching Model
Valentina Hartarska, Xuan Shen, Auburn University

Tuesday 1:20 pm – 3:00 pm
Selected Papers Session 27
Palms Ballroom Salon D

Title: Potpouri of Agribusiness and Finance issues
Moderator: David J. Leatham, Texas A&M University

Essentials for Producer Participation in Biomass Markets When Choices are Correlated
Georgeanne Artz, Mainul Hoque, Darren Jarboe, Bobby J Martens, Iowa State University

An Empirical Investigation of the Factors Affecting the Ownership of Large Grain Hauling Vehicles by Farmers An Case Study of Iowa
Tun-Hsiang Yu, University of Tennessee, Chad Hart, Iowa State University, Xiaodong Du, University of Wisconsin

Determining the Nature of Dependency Between Agribusiness and Non-Agribusiness Stocks
Jeremy D’Antoni, University of Tennessee at Martin, Joshua Detre, Louisiana State University

Tuesday 1:20 pm – 3:00 pm
Selected Papers Session 28
Palms Ballroom Salon F

Title: Consumption Frequency, Characteristics and Behavior Issues
Moderator: Wojciech Florkowski, University of Georgia

Labor Supply and Food Consumption Behavior of Farm Households: Evidence from South Korea
Hyunjeong Joo, Louisiana State University

Peanut Paste/Butter Consumption Frequency in the Republic of Uganda: Count data model approach
Padmanand Madhavan Nambiar, Wojciech Florkowski, The University of Georgia

Household Consumption Characteristics of Cookies: the Case of Uganda
Shengfei Fu, Wojciech Florkowski, Padmanand Madhavan Nambiar, Anna Resurreccion, University of Georgia, Manjeet Chinnan, The University of Georgia

The Determinants of Food Expenditures in the Urban Households of Ghana: A Quantile Regression Approach
Ting Meng, University of Georgia, Wojciech Florkowski, University of Georgia, Daniel Sarpong, University of Ghana-Legon, Anna Resurreccion, University of Georgia, Manjeet Chinnan, University of Georgia

Tuesday 1:20 pm – 3:00 pm
Selected Papers Session 29
Palms Ballroom Salon G

Title: Consumer Willingness, Consumption and Economic Cost issues
Moderator: Kathleen Brooks, West Texas A&M University

Consumer Preferences and Willingness to Pay for Fat Enhanced Beef Strip Loins
Kathleen Brooks, Logan Holmes, Ty Lawrence, West Texas A&M University

Estimating the Indirect Economic Costs to Shrimp Consumers from the 2010 Deepwater Horizon Gulf Coast Oil Spill
Addison Ellis, Clemson University, Jaclyn Kropp, University of Florida, Michael Norton, Columbia University

Assessing Consumer Willingness to Pay for Ground Bison Given Nutrition Information
Tim Woods, Shang-Ho Yang, University of Kentucky

The Effect of Refrigerator Use on Rural Food Consumption in China
Jing Zhao, Wyatt Thompson, University of Missouri
Title: Potpourri of International Agriculture and Trade

Moderator: Aude Pujula, Louisiana State University

1:20  Macroeconomic Aspects of Ghana’s Export Performance
Aude Pujula, Hector Zapata, Louisiana State University

1:40  Gender Impacts on Adoption of New Technologies: Evidence from Uganda
Eftila Tanellari, Genti Kostandini, University of Georgia

2:00  Ex-Post Evaluation of Debt Relief on Health and Education Indicators
Sebastain Awondo, Greg Fonsah, University of Georgia

Title: Analysis, Impact and Management of Huanglongbing on Citrus

Moderator: Thomas Spreen, University of Florida

1:20  The Impact of Huanglongbing (HLB) on Citrus Tree Planting in Florida
Thomas Spreen, University of Florida

1:40  An Analysis of the Potential Economic Impact of Huanglongbing on the California Citrus Industry
Samantha Durborrow, Jose Lopez, Texas A&M University-Commerce

2:00  Chinese Consumer Knowledge, Perception and WTP for Orange Juice Products: Any Opportunities for the U.S. Juice Producers?
Xuqi Chen, Zhifeng Gao, University of Florida

2:20  Management of HLB Infected Citrus Groves in Florida: Some Empirical Results
Thomas Spreen, University of Florida

Title: Potpourri of Production Economics I

Moderator: Federico Garcia Suarez, University of Nebraska

1:20  The Effect of the Relative Price Changes of the Top Principle Crops on Farm Land Allocation in the U.S.
Ekaterina Vorotnikova, Serhat Asci, James Seale, University of Florida

1:40  Drought Tolerance of Soybean Crops in Missouri
Jewelwayne Cain, Joe Parcell, University of Missouri

2:00  Non-Adoption of Best Management Practices: Demographics and Adoption Constraints of Oklahoma Cattle Producers
Stephanie Schumacher, Derrell Peel, Kellie Raper, Oklahoma State University

2:20  What is the use value of the High Plains Aquifer services to agriculture?
Federico Garcia Suarez, University of Nebraska

Title: Cotton, Beef, Rice and Seafood Agribusiness Finance and Farm Management Issues

Moderator: L. Lanier Nalley, University of Arkansas

3:20  Seafood Processor Preferences for Hiring Non-Immigrant Labor: A Conjoint Analysis
Hyunjee Joo, Ashok Mishra, Jeffrey Gillespie, Louisiana State University

3:40  Evaluating Economic Potential for Cotton Utilization in Nonwoven Textiles
Kishor Luitel, Darren Hudson, Dean Ethridge, Texas Tech University

4:00  Integrating Cotton and Beef Production in the Texas Southern High Plains: A Simulation Approach
Donna Mitchell, Texas Tech University, Phillip Johnson, Texas Tech University, Vivien Allen, Texas Tech University, Cody Zilverberg, South Dakota State University

4:20  Stochastic Valuation of Hybrid Rice Technology in Arkansas
Nate Lyman, Lawton Nalley, University of Arkansas
Tuesday 3:20 pm – 5:00 pm  
*Selected Papers Session 34*  
Citrus Ballroom Tangerine B

**Title: Impact of NAFTA, Exchange Rate and Drought on U.S. Agriculture and U.S. and FDI**  
Moderator: Pablo Antonio Garcia-Fuentes, Louisiana State University  
Youngjae Lee, P. Lynn Kennedy, Louisiana State University  
3:40  *Quantity and Exchange Rate Effects on Prices in the U.S. Trout Market.*  
Youngjae Lee, P. Lynn Kennedy, Louisiana State University  
4:00  *U.S. Drought Impacts on the U.S. and International Rice Economy*  
Eddie Chavez, Eric J. Wailes, University of Arkansas  
4:20  *U.S. Foreign Direct Investment in Latin America and the Caribbean: Remittances and Market Size*  
Pablo Garcia-Fuentes, Louisiana State University, P. Lynn Kennedy, LSU Ag Center, Gustavo Ferreira, Virginia Tech

Tuesday 3:20 pm – 5:00 pm  
*Selected Papers Session 35*  
Palms Ballroom Salon A

**Title: Profit Analysis and Ethanol Production**  
Moderator: Bing Liu, Texas Tech University  
3:20  *Profit Gap Analysis of Small Scale Production of Shallot: A Case Study in a Small Village in East Java Province of Indonesia*  
Fnu Sujarwo, Sayed Saghaian, University of Kentucky  
3:40  *Testing Market Power with Profit Functions: a Dual Approach with Normalized Quadratic Functions*  
Zhifeng Gao, Charles Moss, University of Florida  
4:00  *Economics of Ethanol Production From Lignocellulosic Energy Grasses*  
Juan Monge, Texas A&M AgriLife Research, Luis Ribera, Texas A&M University, John Jifon, Texas A&M University, Jorge da Silva, Texas A&M University

Tuesday 3:20 pm – 5:00 pm  
*Selected Papers Session 36*  
Palms Ballroom Salon C

**Title: Climate Change: Is it or not?**  
Moderator: Valentina Hartarska, Auburn University  
3:20  *Effect of Climate Change on Supply Response of Florida Citrus Crops, 1980-2010*  
Mohamad Rafic Traboulsi, University of Florida  
3:40  *Crop Yield Response to Climate Variations in Georgia*  
Lekhnath Chalise, Ramesh Ghimire, University of Georgia  
4:00  *Climate Impacts on Farm Profits in the U.S.*  
Jaehyuk Lee, Denis Nadolnyak, Valentina Hartarska, Auburn University  
4:20  *Comparison Analysis of Temperature Change Between Georgia and California*  
Jeffrey Dorfman, Xuedong Wu, University of Georgia

Tuesday 3:20 pm – 5:00 pm  
*Selected Papers Session 37*  
Palms Ballroom Salon D

**Title: Contingent Valuation, Conjoint and Choice Experiment**  
Moderator: Michael Thomas, Florida A&M University  
3:20  *Enhancing Conjoint Analysis with Respondents’ Self-Constructed Preferred Alternative: Application in Choices of Dolphin Excursions*  
Wuyang Hu, University of Kentucky, Jerrod Penn, University of Kentucky, Linda Cox, University of Hawaii at Manoa  
3:40  *Calibrating Dissimilar Payment Vehicles in Contingent Valuation Studies: An Example of Reducing Hydrilla in Two North Florida Spring-Fed River Systems*  
Michael Thomas, Florida A&M University  
4:00  *What to do with “Prefer Not to Vote” Responses from Contingent Valuation Surveys?*  
Joonghyun Hwang, Daniel Petrolia, Matthew Interis, Ardian Harri, Mississippi State University
Empirical Testing of Strategic Voting and its Implications for Choice Experiment
Matthew Interis, Chang Xu, Daniel Petrolia, Kalyn Coatney, Mississippi State University

Title: Potpouri of Natural Resource Issues I
Moderator: Andrew Ropicki, University of Florida
3:20 Network Analysis of the Gulf of Mexico Commercial Red Snapper Fishery IFQ Program
Andrew Ropicki, University of Florida
3:40 The Retail Demand and Quality for Seafood Products in the United States: A Bivariate Model
Huabo Wang, Louisiana State University

Economic Impacts of the Forest Products Industry in the South (2009)
Ram Dahal, Ian Munn, James Henderson, Mississippi State University

Victory Gardens as a Development Strategy
Michael Dicks, Shannon Watson, Oklahoma State University

Title: Cow-calf Economic, Cost Effectiveness, Net Returns and Industry
Moderator: John Riley, Mississippi State University
3:20 Economic differences among Beef Production Systems of the Nebraska Sandhills
Sunil Dhoubhadel, West Central Research & Extension Center, Matt Stockton, Department of Agricultural Economics
3:40 Cost Effectiveness of on-farm Semi-Confinement Systems for Cow-Calf Production
David Lust, Kelly Jones, Kathleen Brooks, West Texas A&M University

Tuesday 3:20 pm – 5:00 pm
Selected Papers Session 38
Palms Ballroom Salon F

Title: Potpouri of Food Consumption, Safety and Policy
Moderator: Genti Kostandini, University of Georgia
3:20 Income and its Effect on Health Choice: Alcohol Use
Xiaowen Hu, C. Jill Stowe, University of Kentucky
3:40 Farm Market Patron Behavioral Response to Sampling
Tim Woods, Shang-Ho Yang, University of Kentucky

Welfare impact assessment of increasing food prices: an application of unrestricted Engel curves and EASI demand system
David Magana and Ariun Ishdorj, Texas A&M University, Parr Rosson, Texas AgriLife Extension Service

Tuesday 3:20 pm – 5:00 pm
Selected Papers Session 40
Palms Ballroom Salon H

Cow-Calf Industry Expansion On the Horizon? Market Signals vs Outside Factors
John Riley, Brian Williams, Mississippi State University

Modest: Teaching and Rural Development
Moderator: Joseph Mehlhorn, University of Tennessee at Martin
3:20 Teaching the Importance of the Global Economy Through Travel Study Courses
Joseph Mehlhorn, Sandy Mehlhorn, Scott Parrott, and Jeremy D’Antoni, University of Tennessee at Martin
3:40 Can We do More With Less?
Mike Monson, University of Missouri

Impact of Remittances and Government Transfers on Rural household Income in Kenya
Sam Kaninda Tshikala, Esendugue Fonsah, The University of Georgia

Migration to Rural Counties: An Example from the North-Eastern Poland
Anna Klepacka, Wawraw University of Life Sciences, Steven Yen, University of Tennessee, Wojciech Florkowski, The University of Georgia

Tuesday 3:20 pm – 5:00 pm
Selected Papers Session 41
Palms Ballroom Salon I

Title: Potpouri of Food Consumption, Safety and Policy
Moderator: Genti Kostandini, University of Georgia
3:20 Income and its Effect on Health Choice: Alcohol Use
Xiaowen Hu, C. Jill Stowe, University of Kentucky
3:40 Farm Market Patron Behavioral Response to Sampling
Tim Woods, Shang-Ho Yang, University of Kentucky

Welfare impact assessment of increasing food prices: an application of unrestricted Engel curves and EASI demand system
David Magana and Ariun Ishdorj, Texas A&M University, Parr Rosson, Texas AgriLife Extension Service

Tuesday 3:20 pm – 5:00 pm
Selected Papers Session 41
Palms Ballroom Salon I
AGRICULTURAL EDUCATION

4:20 The Impact of the Melamine Milk Scandal and other Factors Influencing China’s Dairy Imports
Xiaojin Wang, Sayed Saghaian, University of Kentucky

Senarath Dharmasena, Oral Capps; Texas A&M University

Tuesday 6:30 pm – 8:30 pm
SAEA Reception
Dave and Buster’s on International Dr.
Food, Drink and Networking. Must wear SAEA Name Badge needed to enter Reception
AGRICULTURAL EDUCATION

9:00 – 9:30 a.m.
Ag Education Opening Session
Jasmine

9:45 – 11:45 a.m
Concurrent Research Session I
Note: All papers will be presented in the order listed.
Session format: Paper presentation – 15 mins;
Questions – 8 mins; repeat for all four papers;
Session summary discussion – 20 mins

Session A: Ag Issue Leadership
Hibiscus

Recognizing the Factors Influencing Faculty Decision to Lead the Land Grant System into the Future
Dr. Alexa J. Lamm, Kevan W. Lamm, Dr. Rochelle Strickland

Evaluation of Perceptions of Sustainable Agriculture Topics Among [STATE] Agricultural Educators
Bethany P. Pratt, Dr. Rebekah B. Epps

The Impact of Problem Solving Style on Team Dynamics while Consensus Building around Agricultural and Natural Resource Issues
Dr. Alexa J. Lamm, Dr. Hannah Carter, Dr. Quisto Settle, Erica Odera

Kevan W. Lamm, Dr. Alexa J. Lamm, Dr. Hannah Carter

Session B: Preservice STEM Preparation
Oleander A

Effects of Mathematics Integration in a Teaching Methods Course on Mathematics Ability of Preservice Agricultural Education Teachers
Christopher T. Stripling & T. Grady Roberts

Mathematical Strengths and Weaknesses of Preservice Agricultural Education Teachers
Christopher T. Stripling, T. Grady Roberts, & Carrie A. Stephens

The Effect of a Serious Digital Game on the Animal Science and Mathematical Competence of Secondary Agricultural Education Students: An Experimental Study
Dr. J. C. Bunch, Dr. J. Shane Robinson, Dr. M. Craig Edwards, Dr. Pasha Antonenkords

Correlation of Secondary Agricultural Education Students’ Science Achievement to Number of Agricultural Education Courses Passed
Sara Clark, Brian Parr, Jason Peake, Frank Flanders

Session C: Teaching Strategies
Tangerine B

A Comparison of Lecture and Cooperative Learning Beth Ann Bills-Hunt, Dr. Donna L. Graham, Dr. Don W. Edgar, Dr. Leslie D. Edgar, Dr. H.L. Goodwin

The Effect of Vee Maps and Laboratory Reports on High- and Low-Order Content Knowledge Achievement in Agriscience Education
Dr. Andrew C. Thoron, Eric D. Rubenstein

Effects of Type of Reflection-In-Action and Cognitive Style on Student Content Knowledge: An Experimental Study
J. Joey Blackburn, Amanda Kacal, Ashley S. Whidden, J. Shane Robinson

The Influence of Active Teaching Strategies on Self-Efficacy Scores Across Learning Styles
James E. Dyer, Hannah Huggins, Ronnie Simmons

12:00 – 1:15 p.m.
Luncheon
Introduction of graduate students and new faculty
Poolside Pavilion

1:30 – 2:15 p.m.
Symposium Session I – Assembly 1
Cedar

1:30 – 2:15 p.m.
Symposium Session I – Assembly 2
Longboat

2:15 – 2:30 p.m.
BREAK

2:30 – 3:15 p.m.
Research Collaboration/SIGS Session
Tangerine B & Magnolia

3:00 – 4:00 p.m.
Committee Meetings
Longboat

Augustine’s Grille Area 2

4:00 – 4:30 p.m.
SAAS Business Meeting
Jasmine Ballroom

4:00 p.m.
Graduate Student Mixer
Poolside Pavilion
5:00 p.m.
Complimentary Shuttle Service to Reception.
Driving a personal vehicle is not recommended.
There will be a $15 parking fee assessed per vehicle

6:00 p.m.
SAAS Reception/ Super Bowl Party
NASCAR Sports Grille at University City Walk

Monday, February 4

7:00 – 8:30 a.m.
Continental Breakfast and Poster Presentations

Palms Ballroom Salon E
7:00 – 10:00 a.m.
Registration

Palms Ballroom Foyer
8:45 – 10:45 a.m.
Concurrent Research Session II
Symposium Session D

Orange
Student and Faculty Perceptions of ICT Use in Undergraduate Agriculture Courses
Donald M. Johnson, Leslie D. Edgar, Casandra K. Cox

Students’ Mobile Technology Behavioral Intentions: The Influence of Self-efficacy, Level of Self-directedness, and Grade Point Average
Robert Strong, Travis L. Irby, Larry M. Dooley

The Effects of GPA and Gender on Students’ Acceptance of Mobile Learning in a Critical Issues in Agricultural Leadership Course
Sarah P. Ho, Dr. Robert Strong, Dr. Summer F. Odom

An Evaluation of Usability of a Virtual World for Students Enrolled in a College of Agriculture
Theresa Pesl Murphrey, Tracy A. Rutherford, David L. Doerfert, Leslie D. Edgar, and Don W. Edgar

Session E: Professional Development

Oleander A
Variations in Professional Development Needs of [State] Agricultural Education Teachers Based on Gender, School Level, and Experience
Christopher M. Estepp, Andrew C. Thoron, T. Grady Roberts, James E. Dyer

Effective professional development: An examination of core features
Dr. Catherine W. Shoulders, Dr. Brian E. Myers

The Thornless Rose: A Phenomenological Look at Decisions Career Teachers Make to Remain in the Profession
Mindi S. Clark, Dr. Kathleen D. Kelsey, Dr. Nicholas R. Brown

Effective Recruitment Strategies and Activities of [State] Agriculture Teachers
Ms. Rebekah Estes, Dr. Jason Peake, Dr. K. Jill Rucker, Dr. Nick Fuhrman

Session F: Non-Formal & In-Formal Education

Hibiscus
An Examination of Student Learning Outcomes and Knowledge Retention at FFA Summer Camp
Nicholas R. Brown, Robert Terry, Jr., Kathleen D. Kelsey

A Quasi-Experimental Study to Explore the Interaction Between Students’ Learning Outcomes and Preferred Learning Style in a Non-Formal FFA Camp Environment
Nicholas R. Brown, Robert Terry, Jr., Kathleen D. Kelsey

Measuring Florida Extension Faculty’s Agricultural Paradigmatic Preferences
Laura Sanagorski, Theresa Pesl Murphrey, David E. Lawver, Matt Baker, James Lindner

A Needs Assessment of Skills, Curriculum, and Technology in [State] Cooperative Extension Service
Hayley G. Hogan, Dr. Leslie D. Edgar, Casandra K. Cox, Dr. Jefferson D. Miller

10:45 – 11:00 a.m.
BREAK

11:00 – 12:00 p.m.
SR-AAAE Business Meeting Session I

Oleander A

12:00 – 1:30 p.m.
Luncheon
Distinguished Lecture

Orange

1:30 – 2:30 p.m.
Symposium Session II – Assembly 1

Garden Room

1:30 – 2:30 p.m.
Symposium Session II – Assembly 2

Augustine’s Grille Area 2

3:00 – 4:00 p.m.
SR-AAAE Business Meeting Session II

Orange

4:30 – 9:00 p.m.
Professional Development & Dinner

Orange County Extension Office
Tuesday, February 5

7:30 – 9:00 a.m.
Research Poster Session with Continental Breakfast
Palms Ballroom Salon E

9:00 – 11:00 a.m.
Concurrent Research Session III
Session G: STEM Instruction in Agriculture
Hibiscus
Uncovering Academic Emphasis Through Agricultural Education: Knowledge of Pre-service Teachers in STEM Integration – A Phenomenological Study
Dr. J. Chris Haynes, Dr. Bart E. Gill, Dr. Steven Boot Chumbley, Dr. Timothy F. Slater
Agriscience fair participants' perceptions of science and agriculture
Jessica M. Blythe, Dr. Brian E. Myers
Identifying STEM Concepts Associated with Junior Livestock Projects
Kate Wooten, John Rayfield, Lori L. Moore
Teachers’ Confidence to Integrate Biology in Agriscience Courses
Steven Boot Chumbley, Mark Russell

Session H: Introspective Teaching Methods
Oleander B
The Use of Concept Maps to Facilitate Reflection in Agricultural Leadership Programs
Avery Culbertson, Dr. Hannah S. Carter
The Magnitude of Teaching All: A Hybrid Coded Qualitative Case Study
Dr. Stacy K. Vincent & Mrs. Andrea T. Kirby
Evaluating Change in Undergraduate Attitudes: Capturing Impacts of Faculty Travel Abroad Experiences Shared through RLO Implementation
Jessica L. Gouldthorpe, Dr. Amy Harder
Agricultural Students’ Attitudes and Opinions: Can Reusable Learning Objects Alter Students’ Perceptions of an International Setting?
M’Randa R. Sandlin, Theresa Pels Murphrey, James R. Lindner, Kim E. Dooley

Session I: Teaching Strategies
Oleander A
A Comparison of Lecture and Cooperative Learning
Beth Ann Bills-Hunt, Dr. Donna L. Graham, Dr. Don W. Edgar, Dr. Leslie D. Edgar, Dr. H.L. Goodwin
The Effect of Vee Maps and Laboratory Reports on High- and Low-Order Content Knowledge Achievement in Agriscience Education
Dr. Andrew C. Thoron, Eric D. Rubenstein

Effects of Type of Reflection-In-Action and Cognitive Style on Student Content Knowledge: An Experimental Study
J. Joey Blackburn, Amanda Kacal, Ashley S. Whiddon, J. Shane Robinson
The Influence of Active Teaching Strategies on Self-Efficacy Scores Across Learning Styles
James E. Dyer, Hannah Huggins, Ronnie Simmons

11:00 - 11:30 a.m.
BREAK
Oleander B

11:30 – 1:00 p.m.
Awards Luncheon
Lemon
AGRONOMY

Program of the Southern Branch American Society of Agronomy Annual Meeting February 3-5, 2013 Wyndham Orlando Resort Orlando, FL

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Sunday, February 3, 2013
Registration: 10:00 AM-4:00 PM
Floral Ballroom Foyer

Poster Session
1:00 PM - 4:00 PM
Palms Ballroom Salon E

Authors Present 1:00 PM - 3:00 PM

Professional Posters – Soils

1. Bioenergy Cropping as an Alternative to Remediate P in P-Enriched Soils. Maria Lucia Silveira*, University of Florida; Joao Vendramini, University of Florida; Lynn E. Sollenberger, University of Florida

2. Agroecology: A Concentration of Courses for an M.S. Degree at the University of Florida. Debolina Chakraborty*, University of Florida; Diane Rowland, University of Florida; Jerry Bennett, University of Florida; George Hochmuth, University of Florida

AGRONOMY

3. So How Long Does It Take? Organic Matter Accumulation as It Relates to Tillage and Fertilizers. Rebecca Gilfillen*, Western Kentucky University; Annesly Netthisinghe, Western Kentucky University; Paul Woosley, Western Kentucky University; Todd Willian, Western Kentucky University; Naomi Rowland, Western Kentucky University


5. The Centennial Rotation - Effects of Crop Rotation on Yield, Nutrient Uptake, and Nutrient Removal. M. Wayne Ebelhar, Mississippi State University; Davis R. Clark*, Mississippi State University

6. Assessment of Greenhouse Gas Emission from Soil under Corn Production Systems. Samuel Dennis*, Tenn State University; Dafeng Hui, Tenn State University; Junming Wang, University of Illinois; Tigist Jima, Tenn State University


Professional Posters - Crops

8. Soybean Production on Potassium Deficient Soil. Mark W. Shankle, Mississippi State University; Karl Crouse, Mississippi State University; Trevor F. Garrett, Mississippi State University

9. Effects of Poultry Litter and Dairy Manure Applications on Forage Yield and Quality in Conventional and No-till Established Tall Fescue (Scheconomous phoenix [Scop.] Holub) Sward. Paul B. Woosley*, Western Kentucky University; Annesly Netthisinghe, Western Kentucky University; Rebecca Gilfillen, Western Kentucky University; Kim L. Cook, USDA - ARS; Dan Sandor, Western Kentucky University
10. **Planting Date Effects on Grain Yield, Ear Height and Ear Characteristics of Irrigated Corn in the Mississippi Delta.** Davis R. Clark*, Mississippi State University; M. Wayne Ebelhar, Mississippi State University

11. **Developing Agronomy Internships as High-Impact Learning Tools for University Students.** Steve Hague*, Texas A&M University; Megan Teel, Texas A&M University

12. **Durana Clover as a Living Mulch in Corn.** Nicholas Hill*, University of Georgia; William Vencill, University of Georgia

13. **Effect of Nitrogen Fertilization and Cover Crops on Juice, Sugar, and Bagasse of Sweet Sorghum.** Hari P. Singh*, Fort Valley State University; Bharat P. Singh, Fort Valley State University

14. **Carbon Dioxide Flux under Warm Season Turfgrass.** Said A. Hamido*, Auburn University; Elizabeth A. Guertal, Auburn University

15. **Impact of a Fish Protein Based Organic Amendment On Microbial Community Structure, Membership, & Function.** Lauren Lindsey*, Tuskegee University; Desmond A. Mortley, Tuskegee University; Ramble Ankumah, Tuskegee University; Raymon Shange, Tuskegee University

16. **Impacts of Land Use Change on Ecosystem Carbon in Subtropical Grassland Ecosystems.** Sutie Xu*, University of Florida; Julius Adewopo, University of Florida; Maria Lucia Silveira, University of Florida; Kanika Inglett, University of Florida

17. **Study of Heavy Metal Uptake by Different Plant Species for Phytoremediation.** Tyneiseca Epps*, Mississippi Valley State University; Manju Pande, Mississippi Valley State University; Hattie Spencer, Mississippi Valley State University; William Mahone, Mississippi Valley State University

18. **Developing Sustainable Agroforestry Systems for Small and Limited Resource Farmers in South-East US.** Christina Igono*, Alabama A&M University

19. **Modeling in-Situ N Mineralization from Cover Crops in a Georgia Ultisol.** Lisa K. Woodruff*, University of Georgia; Miguel Cabrera, University of Georgia

20. **Relating “Freundlich K” to the Soil Phosphorus Saturation Ratio.** Biswanath Dari*, University of Florida; Vimala Nair, University of Florida; Rao Mylavarapu, University of Florida; Willie Harris, University of Florida

21. **Effect of 1-MCP on Cotton Plants under Abiotic Stress.** Yuan Chen*, Texas A&M University; J. Tom Cothren, Texas A&M University

22. **Does Total Condensed Tannin Concentration Predict Protein-Precipitating Ability of Condensed Tannins From Warm-Season Perennial Legumes?** Harley D. Naumann*, Texas A&M University; Ann E. Hagerman, Miami University; Barry D. Lambert, Texas A&M AgriLife Research-Stephenville; Tarleton State University; James P. Muir, Texas A&M AgriLife Research-Stephenville; Luis O. Tedeschi, Texas A&M University

23. **Implementing Irrigation on Small-Scale Farms: An Economic Feasibility Study Using Sweet Potato Irrigation.** Rockieil Woods*, Alcorn State University; Gretchen Sassenrath, USDA-ARS-Crop Production Systems Research Unit; John M. Halloran, U.S. Department of Agriculture; Wesley Whittaker, Alcorn State University

24. **Managing Roundup Ready® Alfalfa Interseeded into a Bermudagrass Stand in Mississippi.** Joshua White*, Mississippi State University; Rocky Lemus, Mississippi State University
25. Genetic Improvement of Elephantgrass (Pennisetum purpureum Schum.) as Biofuel Feedstock. Marco Sinche*, University of Florida; Baskaran Kannan, University of Florida; Carlos E. Corsato, Unimontes; Fredy Altpeter, University of Florida


27. Evaluation of Soybean Seed Treatments in Western Kentucky. Mindy M. Hopson*, Murray State University; David Ferguson, Murray State University

28. Phenotyping Drought Tolerance in Cotton. Austin Terhune*, Texas A&M University; Steve Hague, Texas A&M University

29. Effect of Planting Date on Maturity Group VII and VIII Soybean Growth, Development, and Yield under Different Row Patterns in South Carolina. Mengxuan Hu*, Clemson University; Pawel Wiatrak, Clemson University; John Mueller, Clemson University

30. Mapping and Characterization of Sorghum Disease Resistance Genes from Diverse Genotypes. Terry J. Felderhoff*, University of Florida; Ana Saballos, University of Florida; Timothy Foster, University of Florida; James A. Treitler, University of Florida; Wilfred Vermerris, University of Florida

31. Effect of Simulated Herbivory on Protein Precipitable Phenolic Content of Desmodium Paniculatum. Caitlyn E. Cooper*, Tarleton State University; Barry D. Lambert, Tarleton State University; James P. Muir, Texas A&M AgriLife Research-Stephenville

32. Soil Organic Matter and Aggregation in Relation to Various Agricultural Systems. Hannah C. Robbins Sr.*, Murray State University; Iin Handayani, Murray State University

33. Radioactivity Studies in Fertilizers Used in Delta Region of Mississippi State. George K. Osei*, Alcorn State University; Jerimiah Bill, Alcorn State University; Kwabena Agyapong, Alcorn State University; Steve Adzanu; Alcorn State University

34. The Yield of Drought Tolerant Corn Hybrids in Sandy Loam and Silt Loam Soils. Stephanie Rexing*, Murray State University; Iin Handayani, Murray State University

35. Use of Electromagnetic Radiation & Electroporation as External Non-Ionizing Stimulants for Switchgrass Seed Germination.

36. The Effects of Progressive Water Stress on Soybean Plants. Christine Bridges*, Mississippi Valley State University; Mudlagiri Goli, Mississippi Valley State University; Sherry Lampkin, Mississippi Valley State University; Manju Pande, Mississippi Valley State University

37. Comparison of Four Commercially-Available Soil Testing Kits to Two Professional Labs for Nitrate, Potassium, Phosphorus and pH. Jessica Epps*, Abilene Christian University; Michael Nicodemus, Abilene Christian University

SAAS Program

4:00 pm - 4:30 pm
SAAS Business Meeting
Room: Jasmine Ballroom

4:00 pm - 5:00 pm
SAAS Graduate Student Mixer
Room: Poolside Pavilion

6:00 pm Super Bowl Party
NASCAR Sports Grille (University City Walk)
Shuttle starts at 5:00.

Driving a personal vehicle is not recommended. There will be a $15 parking fee assessed per vehicle.
AGRONOMY

Monday, February 4, 2012

Graduate Student Oral Presentations - Crops
8:55 AM – 11:30 AM
Jasmine Room

8:55 Introductory Remarks

9:00 Effect of Soil Type, Soil Calcium, and Gypsum Application Rate on Pod Yield and Grade of Large and Medium Seed-Sized Peanut Cultivars. James Arnold*, University of Georgia; John P. Beasley Jr., University of Georgia; Glendon Harris, University of Georgia; Miguel Cabrera, University of Georgia; Timothy Grey, University of Georgia

9:15 Cultivar, Mowing Height, and Herbicide Effects on Bermudagrass, *Cynodon dactylon*, Suppression in Tall Fescue, *Schedonorus phoenix*. Daniel Sandor*, Western Kentucky University; Paul B. Woosley, Western Kentucky University

9:30 Performance of a Tetraploid vs. a Diploid Cultivar of Annual Ryegrass Pastures Under Grazing. Juan K. Solomon*, Mississippi State University; Bisooondat Macoon, Mississippi State University

9:45 Genotype by Environment Interaction of a Fiber Length QTL Deployed within Several Regionally Adapted Cultivars. Nino Brown*, University of Georgia; Pawan Kumar, University of Georgia; Peng Chee, University of Georgia; B. Todd Campbell, USDA-ARS; Robert Wright, Texas Tech University; Jay Subramani, University of Arizona; Gerald Myers, Louisiana State University

10:00 Break

10:15 Rice Grain Yield as Affected by Seeding Date. Richard L. Atwill II*, Mississippi State University; Timothy Walker, Mississippi State University; Bobby R. Golden, Mississippi State University; Paxton W. Fitts, Mississippi State University; Jennifer L. Atwill II, Mississippi State University; Albert K. Culbreath, University of Georgia; Diane Rowland, University of Florida; Nathan B. Smith, University of Georgia

Graduate Student Oral Presentations - Soils
1:25 PM – 3:15 PM
Jasmine Room

1:25 Introductory Remarks

1:30 Phosphorus Fraction Determination on a Long-Term No-Till Rotation. Catherine Fleming*, Virginia Polytechnic Institute and State University Eastern Shore Agricultural Research and Extension Center; Mark S. Reiter, Virginia Tech; Rory Maguire, Virginia Tech

1:45 Efficacy of UAN Placement Distance on 15N Uptake and Recovery and Corn Grain Yield. Jon M. Carson*, Mississippi State University
2:00 Long-Term Soil Carbon Sequestration under Subtropical Grassland Management Systems.
Julius Adewopo*, University of Florida; Sutie Xu, University of Florida; Maria Silveria, University of Florida; Stefan Gerber, University of Florida

2:15 Effects of Irrigation Nitrate Crediting on Cotton Production in the Texas Rolling Plains.
Danielle Dittrich*, Texas A&M University; Paul DeLaune, Texas A&M University; Frank Hons, Texas A&M University

2:30 Influence of Fertilization on Nitrogen and Phosphorus Runoff Losses during Roadside Establishment.
Kyle R. Briscoe*, Mississippi State University; Jac J. Varco, Mississippi State University

2:45 Influence of Bahiagrass in Rotation with Peanut and Cotton on Carbon Storage in Southeastern US.
Audrey Gamble*, Auburn University; Julie Howe, Auburn University

3:00 Evaluation of Nitrogen Management Strategies on Nitrate Leaching and Quality of St. Augustinegrass Turf.
Rajendra Gautam*, University of Florida; George Hochmuth, University of Florida; Laurie Trenholm, University of Florida

3:15 Break

Professional Oral Presentations - Soils
3:30 PM – 4:15 PM
Jasmine Room

3:30 Factors Affecting Arsenic Availability in Flooded Rice Soils.
Philip A. Moore Jr.*, USDA-ARS

3:45 Denitrification in Wetland and Riparian Buffers of the Southeastern Coastal Plain.
Patrick Hunt*, USDA-ARS; Jarrod Miller, USDA-ARS; Megan Lang, USDA-FS

4:00 Effects of Sources and Rates of Organic Fertilizers on Microbial Populations in Soil Cultivated with Soybean (Glycine max).
Isijola O. Adewale*, Federal University of Agriculture, P.M.B. 2240 Abeokuta, Ogun State, Nigeria

4:15 Developing Skills for Your Future: A Young Scientist’s Perspective.
Perry Hunter, Dow AgroSciences, Greenville, MS

Southern Branch ASA Business Meeting
4:45 PM
Jasmine Room

Tuesday, Dec. 7, 2012

Professional Oral Presentations – Soils & Crops
8:30 AM – 11:20 AM
Jasmine Room

8:30 Evaluation of Fertilizer and Bio-Soil Enhancers in Bermudagrass Forage Production.
Rocky Lemus*, Mississippi State University; Joshua White, Mississippi State University; Karl Crouse, Mississippi State University; Jesse I. Morrison, Mississippi State University; Jac J. Varco, Mississippi State University; Michael Cox, Mississippi State University

8:45 Overview of the Bioenergy Sorghum Breeding Program at the University of Florida: Challenges and Opportunities in the Sunshine State.
Ana Saballos*, University of Florida; Wilfred Vermerris, University of Florida.

9:00 Impact of Tillage and Water Management Systems on Grain Sorghum Production.
Paul DeLaune*, Texas A&M University; Partson Mubvumba, Texas AgriLife Research - Vernon

Mark S. Reiter*, Virginia Tech; James S. Reiter, Virginia Cooperative Extension

9:45 Nitrogen Fertilization of Peanut to Rescue an Inoculant Failure.
R. Scott Tubbs*, University of Georgia; Glendon Harris, University of Georgia; John Beasley, University of Georgia; Nathan Smith, University of Georgia; Amanda Smith, University of Georgia
10:00  Break

10:15  **Cotton Response to Phosphorus Applications with and without AVAIL® Phosphorus Fertilizer Enhancer.** M. Wayne Ebelhar*, Mississippi State University; Davis R. Clark, Mississippi State University

10:30  **On-Farm Twin-Row Corn Production with Varying Nitrogen Management and Cultivar Interactions in the Mid-South.** M. Wayne Ebelhar*, Mississippi State University; Davis R. Clark, Mississippi State University

10:45  **Influence of Planting Date and Hybrid On Corn Yield Performance and Seed Quality On Mississippi River Alluvial Soils.** Henry J. Mascagni Jr., LSU AgCenter

11:00  **Soil Fertility Management for High Population Corn Production.** Carl Crozier*, North Carolina State University; Ronald Gehl, North Carolina State University; Ronnie Heiniger, North Carolina State University; David Hardy, North Carolina, Dept. of Agric.; Alan D. Meijer, NC State University

11:15  Discussion

11:20  Adjourn
ANIMAL SCIENCE

Dr. Joel V. Yelich
Southern Section Director
University of Florida
Gainesville, FL

Dr. Jack C. Whittier
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The Ohio State University
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Mr. Jerry C. Weigel
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Wake Forest, NC

ANIMAL SCIENCE

Ms. Angela R. Mays
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University of Arkansas
Fayetteville, AR

Mr. Casey L. Maxwell
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Ms. Andrea N. Loyd
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College Station, TX
ANIMAL SCIENCE

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2013 Southern Section ASAS

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National Pork Board
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Young Animal Scientist – Research
Elanco Animal Health
Greenfield, IN

Extension Award
Boehringer Ingelheim, Vetmedica Division
St. Joseph, MO

Young Animal Scientist – Education
Alltech
Thomasville, GA

Undergraduate Paper Competition

Graduate Student Research Abstract Competition

PROGRAM EVENTS
All events will take place at the Wyndham Orlando Resort, unless otherwise noted.

Friday, February 1
Academic Quadrathlon (AQ)
9:00 PM Advisors Meeting
Cabot Lodge
Gainesville, FL

Saturday, February 2
AQ Lab Practicum and Written Exam
University of Florida
Gainesville, FL

Sunday, February 3
AQ Oral Preparation
6:30 AM–noon
Biscayne, Cedar, Longboat, Siesta

AQ Oral Presentation
8:00 AM–Noon
Marathon

AQ Quiz Bowl
8:00 AM–1:00 PM
Largo

ANIMAL SCIENCE

AQ Quiz Bowl Championship/Awards and Awards Program
8:00 AM–4:00 PM
Tangerine A

SCC 81: Sustainable Small Ruminant Production IEG
8:30 AM–4:00 PM
Palms Ballroom Salon H

Registration
11:00 AM–4:00 PM
Key Rooms Foyer

SERA 41: Beef Cattle Production Using Forages in the Southeast
1:00 PM–4:00 PM
Marathon

SAAS Board Meeting
2:30 PM–3:30 PM
Palms Ballroom Salon C

SAAS Business Meeting
4:00 PM–4:30 PM
Jasmine

SAAS Graduate Student Mixer
4:00 PM
Poolside Pavilion

SAAS Reception/Super Bowl Party
5:30 PM–10:00 PM
NASCAR Sports Grille (NBC Universal) - Offsite
(Continuous Bus Shuttle will start at 5 PM)
Driving a personal vehicle is not recommended.
There will be a $15 parking fee assessed per vehicle.

SS-ASAS Advisory Committee and Executive Committee
4:30 PM–6:30 PM
Executive Boardroom

Monday, February 4

Interested in taking the ARPAS exam at the ASAS Southern Section meeting?
Contact ARPAS at arpas@assochq.org for information or to schedule an exam.

Registration
7:30 AM–4:00 PM
Key Rooms Foyer

SS-ASAS Coffee Break
9:30 AM–10:30 AM
SS-ASAS Business Meeting and Awards Ceremony
5:00 PM–7:00 PM
Tangerine A

Small Ruminant Subcommittee of the NAGP
7:00 PM–9:15 PM
Largo

Tuesday, February 5
SAAS Board Breakfast Meeting
7:00 AM–10:00 AM
Azalea A/B

Registration
8:00 AM–Noon
Key Rooms Foyer

Graduate Student Lunch and Learn
Noon–2:00 PM
Siesta/Biscayne

Extension Luncheon
Noon–2:00 PM
Orange

SYMPOSIA AND ORAL SESSIONS
Monday, February 4

Adapting Southern U.S. Beef Production Systems to a Changing Climate
Chair: Jeff Lehmkuhler, University of Kentucky
Marathon

8:00 AM
Introduction
J. Lehmkuhler*, University of Kentucky, Lexington.

8:15 AM
Climate Change and Its Impact on Agriculture.
B. Ortiz, Auburn University, Auburn, AL.

8:55 AM
Managing Reproduction During Heat Stress.
P.J. Hansen, University of Florida, Gainesville.

9:35 AM
Break

9:55 AM
Forage Systems for a Changing Climate.
R. Smith, Jr.*, University of Kentucky, Lexington.

10:35 AM
Genetic Selection for Heat Stress Related Traits.
J. Cassady*, North Carolina State University, Raleigh.

Undergraduate Student Competition
Chair: Rhonda K. Miller, Texas A&M University Largo

9:00 AM
1
Hypothalamic and Pituitary Gene Expression in Angus-Sired Steers Selected for Low and High Residual Feed Intake During Conditions of Heat Stress
S. D. Perkins,1,*, C. N. Key1, C. F. Garrett1, C. D. Foradori2, C. L. Bratcher1, L. A. Kriese-Anderson1, T. D. Brandebourg1,1 Animal Sciences,2 Anatomy Physiology & Pharmacology, Auburn University, Auburn, AL.

9:15 AM
2
Leptin is Involved in the Vascularization of the Corpus Luteum
A. Arellano1,1, L. Ayala1,1, M. Ramirez1,1, A. Calderon1,1, R. Flores1, D. Keisler2, R. Stanko1,1, M. Garcia1,1,1 Animal, Rangeland & Wildlife Sciences, Texas A&M University, Kingsville,2 Division of Animal Science, University of Missouri, Columbia.

9:30 AM
3
Characterizing the Growth and Metabolic Phenotype of the Obese Mangalica Pig
C. F. Garrett1,1, S. D. Perkins1,1, R. H. Amin2,1, C. L. Bratcher1,1, J. L. Bartosh1,1, T. D. Brandebourg1,1 Animal Sciences,2 Pharmacal Sciences, Auburn University, Auburn, AL.

9:45 AM
4
Relationship of Prenatal Transportation Stress with Postnatal Temperament of Brahman Calves
B. P. Littlejohn,1,2, D. M. Price,1,2, A. W. Lewis2, D. A. Neuendorf2, J. A. Carroll3, R. C. Vann4, T. H. Welsh, Jr.,5,1, R. D. Randel2,1 Animal Science, Texas A&M University, College Station,2 Texas A&M AgriLife Research, Texas A&M University System, Overton,5 Livestock Issues Research Unit, USDA-ARS, Lubbock, TX6 MAES- Brown Loam, Mississippi State University, Raymond,5 Texas A&M AgriLife Research, Texas A&M University System, College Station.

10:00 AM
5
Investigating the Population Structure and Genetic Diversity of Angus Cattle
R. A. Lemcke1,1, R. Zanella1,2, K. C. Caires1,1 Department of Animal Science, Berry College, Mount Berry, GA,2 Genética e Melhoramento Animal, Embrapa Suínos e Aves, Concórdia, SC, Brazil.
ANIMAL SCIENCE

Graduate Student Competition

Chair: Michelle R. Garcia, Texas A&M University - Kingsville
Tangerine A

9:00 AM 6
Replacing Corn with Brewers Rice in Swine Diets and Effect on Performance and Carcass Quality of Growing-Finishing Pigs
T. Dokes*, O. Gekara, Agriculture, University of Arkansas, Pine Bluff.

9:15 AM 7
Analysis of Quality of Non-Traditional vs. Traditional Beef Grind Material
S. Degeer*, D. A. Tigue, C. Bratcher, Animal Sciences, Auburn University, Auburn, AL.

9:30 AM 8
Effects of Mannan Oligosaccharide on Beef Cow Performance and Passive Immunity Transfer to Calves
S. K. Linneen*, G. L. Mourer, J. D. Sparks, D. L. Lalman, Animal Science, Oklahoma State University, Stillwater.

9:45 AM 9
Effect of Lactic Acid Enhancement pH on Beef Quality Attributes of Bull Strip Loins

10:00 AM 10
Sensory Evaluation of Non-Traditional Vs. Traditional Beef Grind Sources
D. A. Tigue*, S. L. Degeer, C. L. Bratcher, Department of Animal Sciences, Auburn University, Auburn, AL.

10:15 AM Break

10:30 AM 11
Effects of Bale Feeder Type and Supplementation of Monensin on Hay Waste, Intake, and Performance of Beef Cattle
J. D. Sparks¹, A. J. Sexten¹, C. P. McMurphy¹, G. L. Mourer¹, M. A. Brown², C. J. Richards¹, D. L. Lalman¹, Animal Science, Oklahoma State University, Stillwater, Grazinglands Research Laboratory, USDA-ARS, El Reno.

ANIMAL SCIENCE

10:45 AM 12
Effects of Increasing Metabolizable Protein Supply on the Acute Phase Response of Beef Steers Following Vaccination
P. Moriel¹, P. G. Martins, J. M. Vendramini, J. D. Arthington, Range Cattle Research and Education Center, University of Florida, Ona.

11:00 AM 13
Estrous Response and Pregnancy Rates in Beef Cows Following a 6- or 7-Day CIDR Synchronization Protocol

11:15 AM 14
Sericea Lespedeza as an Aid in the Control of Eimeria Spp. in Lambs
M. Acharya¹, J. M. Burke², J. Miller³, T. Terrill⁴, J. A. Mosjidis⁵, Animal Science, University of Arkansas, Fayetteville, AR, USDA Agricultural Research Service, Booneville, AR, Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, Agricultural Research Station, Fort Valley State University, Fort Valley, GA, Department of Agronomy and Soils, Auburn University, Auburn, AL.

11:30 AM 15
Glycolytic Enzymes Are Reversibly Inactivated by Decreased pH in Postmortem Skeletal Muscle
E. M. England¹, S. K. Matarneh¹, C. Wachet², M. C. Rittenhouse¹, T. L. R. Scott¹, H. Zhu¹, D. E. Gerrard¹, Animal and Poultry Sciences, Virginia Tech, Blacksburg, Animal Science, Agrocampus Ouest, Rennes, France.

Teaching and Undergraduate Education

Chair: Rhonda K. Miller, Texas A&M University Largo

11:00 AM 16
Developing a Curriculum Addressing Legal Issues in Animal Agriculture
E. Rumley³, Animal Science, University of Arkansas, Fayetteville.

11:15 AM 17
Preparing to Teach an “Inherited” Animal Science Course
D. K. Aaron¹, Animal and Food Science, University of Kentucky, Lexington.
ANIMAL SCIENCE
Breeding and Genetics

Chair: Trent Smith, Mississippi State University

1:00 PM 18
Milk Production Traits of Beef Cows as Affected by Horn Fly Numbers and Breed Type
A. Mays 1, M. A. Brown 2, S. M. Clifton 3, C. F. Rosenkrans, Jr. 1, 1Animal Science, University of Arkansas, Fayetteville, AR, 2Grazinglands Research Laboratory, USDA-ARS, El Reno, OK, 3Animal Science, Oklahoma State University, Stillwater, OK.

1:15 PM 19
Estimation of Genetic Parameters in Berkshire Population Reared in a Hoop Structure
S.-H. Oh, Dept. of Animal Sciences, North Carolina A&T State University, Greensboro.

1:30 PM 20
Influence of Body-Weight of Cows on Weaning Weight of Calves in Two Lines of Angus Cattle in Alabama
D. Kuhlers 1, K. Nadarajah 1, G. L. Thompson 2, B. E. Norris 3, H. E. Harkins 3, 1Animal Sciences, Auburn University, Auburn, AL, 2Regional Office, Alabama Cooperative Extension, 3Experiment Station, Tennessee Valley Research and Extension Center, Belle Mina.

1:45 PM 21
Eye Pigmentation in Hereford, Hereford X Bos Taurus or Hereford X Bos Indicus Cows and Calves
K. Davis 1, T. Smith 2, J. D. Arthington 3, N. DiLorenzo 4, B. Bolt 5, M. D. Garcia 6, J. G. Powell 7, D. L. Lalm 1, G. R. Hansen 9, R. C. Van 10, S. Meadows 11, D. G. Riley 1, 1Department of Animal Science, Texas A&M University, College Station, 2Department of Animal and Dairy Sciences, Mississippi State University, Starkville, 3Range Cattle Research and Education Center, University of Florida, Ona, 4North Florida Research and Education Center, University of Florida, Marianna, 5Department of Animal and Veterinary Science, Clemson University, Clemson, SC, 6Department of Animal Sciences, Louisiana State University, Baton Rouge, 7Department of Animal Science, University of Arkansas, Fayetteville, 8Department of Animal Science, Oklahoma State University, Stillwater, 9Department of Animal Science, North Carolina State University, Plymouth, 10MAFES-Brown Loam, Mississippi State University, Raymond, 11Cooperative Extension Service, Clemson University, Clemson, SC.

ANIMAL SCIENCE

2:00 PM 22
Balking Behavior in Cattle: Breed-Type Predominance Based on Coat Color and Carcass Implications
M. L. Thomas 1, Y. V. Thaxton 2, A. H. Brown, Jr 1, K. E. Pfalzgraf 1, K. S. Anschutz 1, C. F. Rosenkrans, Jr 1, 1Animal Science, 2Center for Food Animal Wellbeing, University of Arkansas, Fayetteville.

2:15 PM Break

2:30 PM 23
Evaluation of a Hair Coat Scoring System for Winter Growth and Relationship to Performance of Angus Dams
S. Plank 1, N. B. Simmons 1, M. L. Marks 1, S. T. Willard 2, T. Smith 1, 1Animal and Dairy Sciences, 2Biochemistry and Molecular Biology, Mississippi State University, Starkville.

2:45 PM 24
Relationship of Heifer Pubertal Status to LDHB Single Nucleotide Polymorphisms
C. Turner 1, A. H. Brown 1, D. Halford 2, B. R. Lindsey 1, J. L. Reynolds 1, J. G. Powell 1, C. F. Rosenkrans 1, 1Division of Agriculture, University of Arkansas, Fayetteville, 2Animal and Range Sciences, New Mexico State University, Las Cruces.

3:00 PM 25
Association of Newborn Calf Cannon Bone Length with Preselected SNP Chosen Based on Proximity to Genes with Suspected Influence
D. G. Riley 1, T. H. Welsh, C. A. Gill, L. L. Hulsman, A. D. Herring, P. K. Biggs, J. E. Sawyer, J. O. Sanders, Animal Science, Texas A&M University, College Station.

3:15 PM 26
Effect of Genetic Markers for Marbling on Performance in Angus Females
L. L. Jury, R. C. Vann, T. Smith, Animal and Dairy Sciences, Mississippi State University, Mississippi State.

3:30 PM 27
Single Nucleotide Polymorphisms of LDHB and Effects on Immune Response
ANIMAL SCIENCE

Meat Science

Chair: Chad Carr, University of Florida
Hibiscus

1:00 PM  28
Consumer Acceptability of Commercially-Available Domestic Grass-Fed and Grain-Fed Beef

1:15 PM  29
Feeding a Commercially-Available By-Product Ration Increases Value of Culled Cows

1:30 PM  30
Effect of Packaging Type, Storage Time and Temperature and the Effect of Steak Location on Palatability of Center Cut Gluteus Medius

1:45 PM  31
Effect of Packaging Type, Storage Time and Temperature on the Beef Longissimus Lumborum and Triceps Brachii Muscles

2:00 PM  32
Metabolic Profiling of Ground Beef Samples from Various Grind Sources and Correlation to Sensory Evaluation
T. Jiang, Animal Sciences, Auburn University, Auburn, AL.

2:15 PM  33
Oxidative Stability During Ripening and Storage of Rosemary Treated Fermented Lamb Sausages
G. Davila El Rassi, A. Al-Sakini, V. Banskalieva, A. Lathrop, T. Bowser, Food and Agricultural Products Center, Oklahoma State University, Stillwater.

ANIMAL SCIENCE

Ruminant Animal Production I

Chair: Russell B. Muntifering, Auburn University
Largo

1:00 PM  34
Application of Fecal Near Infrared Reflectance Spectroscopy Profiling to Predict Voluntary Intake in Beef Cattle
J. Johnson 1, G. Carstens 1, A. Halla 1, S. Prince 2, D. Forbes 3, K. Ominski 4, K. Wittenberg 5, M. Undi 4, D. Tolleson 5, 1Department of Animal Science, Texas A&M University, College Station, 2Department of Rangeland Ecology, Texas Agrilife Research, Temple, 3Department of Rangeland Ecology, Texas Agrilife Research, Uvalde, 4Department of Animal Science, University Of Manitoba, Winnipeg, Canada, 5Department of Natural Resources and the Environment, University of Arizona, Camp Verde.

1:15 PM  35
Effect of Early Weaning and Diet on Age at Puberty in Bos Indicus Influenced Heifers
L. Ayala 1, A. Calderon 1, F. Xie 1, M. A. Ramirez 1, A. Arellano 1, M. R. Garcia 1, R. L. Stanko 1, 2, 1Animal, Rangeland, & Wildlife Sciences, Texas A&M University, Kingsville, 2Animal Reproduction Laboratory, Texas A&M AgriLife Research, Beeville.

1:30 PM  36
Residual Feed Intake and Body Weight Gain and Its Relationships with Carcass, Non Carcass Characteristics and Meat Quality of Nellore Steers
M. Lopes Do Nascimento 1, A. Saturnino Chaves 1, A. R. Duarte Lopes Souza 2, R. R. Tullio 3, M. Mello de Alencar 4, G. Carstens 5, D. Pazzanese Duarte Lanna 1, 1Animal Science, University of Sao Paulo, Piracicaba, Brazil, 2Animal Science, Universidade Federal Rural de Pernambuco, Recife, Brazil, 3Animal Nutrition, 4Animal Breedings, Embrapa Pecuaria Sudeste, São Carlos, Brazil, 5Animal Science, Texas A&M, College Station.

1:45 PM  37
Crude Glycerin Decreases Production and Quality of Particle-Associated Bacteria from Bovine Ruminal Content
E. H. C. B. Van Cleef 1, J. M. B. Ezequiel 2, A. C. Homen Junior 3, F. B. O. Scarpino 4, 1Animal Science and Industry, Kansas State University, Manhattan, 2Animal Science, São Paulo State University, Jaboticabal, Brazil.
Tuesday, February 5

ANIMAL SCIENCE

2:00 PM  38
Effect of Stocking Density on Cattle Behavior During Transport
L. L. Jury 1, J. A. Parish 1, R. C. Vann 1, T. Smith 1, J. K. Ward 2, H. T. Boland 1, 1Animal and Dairy Sciences, 2Agricultural and Biological Engineering, Mississippi State University, Mississippi State.

ANIMAL SCIENCE

9:15 AM  44
Forage Productivity, Phosphorus Uptake and Soil Phosphatase Activity in a Cool-Season Pasture as Influenced by Nitrogen Fertilization
S. L. Dillard 1, W. F. Owsley 1, C. W. Wood 2, B. H. Wood 2, C. J. Weissend 1, R. B. Muntifering 1, 1Animal Sciences, 2Agronomy and Soils, Auburn University, Auburn University.

9:45 AM  45
Effect of Grazing Legume or Grass Forages with or without Corn Supplementation on Animal Performance and Meat Quality of Forage-Finished Beef
A. Wright 1, J. Andrae, M. Miller, P. Gunter, C. Rosso, E. Pavan, S. Duckett  Animal and Veterinary Sciences, Clemson University, Clemson.

10:00 AM  46
Proteolysis Inhibiting Polyphenol Oxidase Present in Perennial Peanut

10:30 AM  47
Level of Forage Allocation and Protein Tubs Influence Forage Utilization and Pasture Productivity in Heifers Grazing Stockpiled Tall Fescue
M. H. Poore 1, A. D. Shaeffer 1, S. R. Freeman 1, D. H. Poole 1, G. R. Hansen 1, M. L. Alley 1, C. S. Whisnant 1, M. E. Drye 1, Animal Science, North Carolina State University, Raleigh, 2Animal Science, University of Idaho, Moscow.

10:45 AM  49
Toxic Tall Fescue Exposure Timing Negatively Affects Reproductive Success in Two and Three Year Old Beef Cows
M. G. Burns 1, J. G. Andrae 2, M. C. Miller 1, F. N. Schrick 3, S. L. Pratt 1, 1Dept. of Animal and Vet Science, 2School of Ag Forestry and Environmental Sciences, Clemson University, Clemson, SC, 3Dept of Animal Science, University of Tennessee, Knoxville.

8:00 AM  39
Sward Responses of Rhizoma Peanut Genotypes Under a Range of Grazing Management Strategies
K. Mullenix 1, L. Sollenberger 1, D. Rowland 1, A. Blount 1, J. Vendramini 1, M. Silveira 2, A. Vaccaro 1, 1Agronomy, 2Soil Science, University of Florida, Gainesville.

8:15 AM  40
Animal Preference for Winter Annual Legumes Overseeded Into Bermudagrass Pastures over Two Growing Seasons
S. Freeman 1, M. Poore, A. Shaeffer, Animal Science, North Carolina State University, Raleigh.

8:30 AM  41
Evaluation of Early Weaned Beef Calves Grazing Annual Ryegrass or Annual Ryegrass-Triticate Mixtures in South Florida
J. M. Vendramini 1, J. D. Arthington 1, A. Blount 2, A. D. Aguir 1, P. Moriel 1, R. S. Hallworth 1, 1UF/IFAS Range Cattle Research and Education Center, University of Florida, Ona, 2UF/IFAS North Florida Research and Education Center, University of Florida, Marianna.

8:45 AM  42
Grazing Behavior of Heifers Grazing Mixed, Adjacent or Monoculture Pastures of Ryegrass and Clovers
G. Scaglia 1, H. T. Boland 2, 1Iberia Research Station, LSU AgCenter, Jeanerette, 2Prairie Unit, Mississippi State University, Prairie.

9:00 AM  43
Additivity of Stacked Technologies in Stocker Cattle
R. Reuter 1, D. Dhuyvetter 2, D. Hufstedler 3, 1Agriculture Division, The Noble Foundation, Ardmore, OK, 2Research Dept., Ridley, Inc., Mankato, MN, 3Technical Services, Elanco Animal Health, Guthrie, OK.

9:30 AM  44
Break

9:45 AM  45
Effect of Grazing Legume or Grass Forages with or without Corn Supplementation on Animal Performance and Meat Quality of Forage-Finished Beef
A. Wright 1, J. Andrae, M. Miller, P. Gunter, C. Rosso, E. Pavan, S. Duckett  Animal and Veterinary Sciences, Clemson University, Clemson.

10:00 AM  46
Proteolysis Inhibiting Polyphenol Oxidase Present in Perennial Peanut

10:15 AM  47
Level of Forage Allocation and Protein Tubs Influence Forage Utilization and Pasture Productivity in Heifers Grazing Stockpiled Tall Fescue
M. H. Poore 1, A. D. Shaeffer 1, S. R. Freeman 1, D. H. Poole 1, G. R. Hansen 1, M. L. Alley 1, C. S. Whisnant 1, M. E. Drye 1, Animal Science, North Carolina State University, Raleigh, 2Animal Science, University of Idaho, Moscow.

10:30 AM  48
Effect of Cow-Size and Stocking Rate on Calf Growth, Hay Requirements and Cow Herd Efficiency
P. Beck 1, B. Stewart 2, H. Gray 2, S. Gadberry 3, 1Department of Animal Science, 2SWREC, University of Arkansas, Hope, 3Cooperative Extension Service, University of Arkansas, Little Rock.

10:45 AM  49
Toxic Tall Fescue Exposure Timing Negatively Affects Reproductive Success in Two and Three Year Old Beef Cows
M. G. Burns 1, J. G. Andrae 2, M. C. Miller 1, F. N. Schrick 3, S. L. Pratt 1, 1Dept. of Animal and Vet Science, 2School of Ag Forestry and Environmental Sciences, Clemson University, Clemson, SC, 3Dept of Animal Science, University of Tennessee, Knoxville.
ANIMAL SCIENCE

11:00 AM  50
Feeding Ergot Alkaloids to Gestating Ewes Reduces Lamb Weight, Organ Size and Muscle Mass
S. K. Duckett 1,*, T. A. Burns 1, M. C. Miller 1, K. J. Mercer 1, M. G. Burns 1, J. G. Andrae 1, F. N. Schrick 2, S. L. Pratt 1, 1Animal and Veterinary Sciences, Clemson University, Clemson, SC, 2Animal Science, University of Tennessee, Knoxville.

Physiology

Chair: Mark J. Estienne, Virginia Tech Tidewater AREC Tangerine A

8:00 AM  51
Emerging Young Scholar: Effect of Ergot Alkaloids from Endophyte-Infected Tall Fescue on Ruminal Vasculature, Blood Flow, and Nutrient Absorption
A. P. Foote*, University of Kentucky, Lexington.

8:30 AM  52
Emerging Young Scholar: Characterization of the Interactions between Porcine Reproductive and Respiratory Syndrome Virus and Its Intracellular Environment
J. Hicks, North Carolina State University, Raleigh.

9:00 AM  53
Does Sex of Littermate Affect Reproductive Performance of Ewes?
J. A. Brown 1,*, D. P. Kirschten 2, G. S. Lewis 2, 1Department of Biology, Wingate University, Wingate, NC, 2USDA, Agricultural Research Service, U.S. Sheep Experiment Station, Dubois, ID.

9:15 AM  54
Effect of Dietary Menhaden Fish Oil (MFO) on Growth Performance in Gilts Farrowed by Sows Fed Gestation and Lactation Diets with or without MFO

9:30 AM  55
Effect of Citrus Pulp on the Viability of the Probiotic Saccharomyces Cerevisiae Boulardii and Subsequent Effects in Presence of Pathogens
J. R. Donaldson 1,*, J. A. Carroll 2, T. C. McLaurin 1, N. C. Burdick Sanchez 2, 1Biological Sciences, Mississippi State University, Mississippi State, 2Livestock Issues Research Unit, USDA-ARS, Lubbock, TX.

ANIMAL SCIENCE

9:45 AM  Break

10:00 AM  56
Prenatal Transportation and Immune Indices in Neonatal and Growing Brahman Calves
D. M. Price 1,*, B. P. Littlejohn 1,*, D. Neuendorff 2, A. W. Lewis 3, N. C. Burdick Sanchez 3, J. A. Carroll 3, R. C. Vann 4, S. D. Lawhon 5, T. H. Welsh, Jr. 1, R. D. Randel 2, 1Animal Science, Texas A&M University, College Station, 2Texas A&M Agrilife Research, Texas A&M University System, Overton, 3Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 4MAFES-Brown Loam, Mississippi State University, Raymond, 5Veterinary Pathobiology, Texas A&M University, College Station.

10:15 AM  57
Changes in Immune Indices in Response to Primary Vaccination in Weaned Brahman Calves Exposed to Prenatal Transportation
N. C. Burdick Sanchez 1,*, D. M. Price 2, J. A. Carroll 1, B. P. Littlejohn 2, D. A. Neuendorff 2, A. W. Lewis 2, R. C. Vann 3, S. D. Lawhon 5, T. H. Welsh, Jr. 1, R. D. Randel 2, 1Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 2Texas A&M AgriLife Research, Texas A&M University, Overton, 3Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 4Texas A&M Agrilife Research, Texas A&M University, Raymond, 5Texas A&M AgriLife Research, Texas A&M University, College Station.

10:30 AM  58
Circulating Concentrations of NEFAS as Mediators of the Innate Immune Response in Cattle
N. C. Burdick Sanchez 1,*, J. A. Carroll 1, J. R. Donaldson 2, J. O. Buntyn 3, T. B. Schmidt 4, 1Livestock Issues Research Unit, USDA-ARS, Lubbock, 2Department of Biological Sciences, Mississippi State University, Mississippi State, 3Department of Animal and Dairy Sciences, Mississippi State University, Mississippi State, 4Department of Animal Science, University of Nebraska, Lincoln.

10:45 AM  59
National Pork Board Swine Industry Award for Innovation: Novel Use of Lipid-Producing Bacteria to Increase Circulating Triglycerides in Swine
J. R. Donaldson 1,*, J. A. Carroll 2, T. B. Schmidt 3, T. R. Callaway 4, J. Grissett 1, N. C. Burdick Sanchez 2, 1Biological Sciences, Mississippi State University, Mississippi State, 2Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 3Animal Sciences, University of Nebraska, Lincoln, 4Food and Feed Safety Research Unit, USDA-ARS, College Station.
9:00 AM 60
Efficacy of Concurrent Use of Fenbendazole and Ivermectin versus Ivermectin Alone on Parasite Egg Count and Performance of Beef Steers
R. S. Wells, R. Reuter, Agriculture, Noble Foundation, Ardmore, OK.

9:15 AM 61
Effect of Injection Site Protocol on Efficacy of a Modified-Live Virus Respiratory Vaccine and Injectable Anthelmintic Administered to Beef Cattle
J. G. Powell, J. T. Richeson, E. B. Kegley, J. L. Reynolds, J. A. Hornsby, Department of Animal Science, University of Arkansas, Fayetteville, Department of Agricultural Sciences, West Texas A & M University, Canyon.

9:30 AM 62
Characteristics of Drought Stressed Corn Silage
J. Lehmkuhler, W. Burris, C. Lee, Animal and Food Sciences, University of Kentucky, Lexington.

9:45 AM 63
Southern Carcass Improvement Project
T. Brink, M. Gardiner, L. Corah, Vice President, J&F Oklahoma Holdings, Inc., Greeley, OK, Owner, Gardiner Angus Ranch, Ashland, KS, Animal Science, Kansas State University, Manhattan.

10:00 AM 64
Break

10:15 AM 64
Population and Price Differences for Sale Barn Marketed Calves in 2000, 2005, and 2010 due to Genetically Influenced Phenotype

10:30 AM 65

9:00 AM 69
Parasite Management Practices and Anthelmintic Resistance in Alpaca Herds in the Mid-Atlantic Region - a Survey
S. Wildeus, A. Zajac, Agricultural Research Station, Virginia State University, Petersburg, Department of Biomedical Sciences & Pathobiology, Virginia-Maryland Regional College of Veterinary Medicine, Blacksburg.

9:15 AM 70
Gastro-Intestinal Parasitic Infestation in Bucks on Performance Test and Its Relationships with Production Traits
K. Nadarajah, S. Schoenian, M. Penick, D. L. Kuhlers, Animal Sciences, Auburn University, Auburn, AL Extension Office, University of Maryland, Keedysville, Livestock Division, Kerr Center, Poteau, OK.
9:30 AM
Sericea Lespedeza Alters Trace Mineral Status of Lambs and Haemonchus Contortus
J. Burke 1, J. Miller 2, T. Terrill 3, M. Acharya 4, S. Orlik 2, J. Garza 2, USDA, ARS, Booneville, 3 School of Veterinary Medicine, LSU, Baton Rouge, 4 Agricultural Research Station, FVSU, Fort Valley, GA, 4 Animal Science, University of Arkansas, Fayetteville.

9:45 AM
Sericea Lespedeza Affects Serum Concentrations of Trace Minerals in Small Ruminants
J. Burke 1, J. Miller 2, T. Terrill 3, S. Orlik 2, J. Garza 2, USDA, ARS, Booneville, 3 School of Veterinary Medicine, LSU, Baton Rouge, 4 Agricultural Research Station, FVSU, Fort Valley, GA.

10:00 AM
Evaluation of Producer Submitted Meat Goat Performance Data
K. Andries, Food and Animal Science, Kentucky State University, Frankfort.

10:15 AM
Break

10:30 AM
Summer Annual Grasses for Meat Goats

10:45 AM
Fatty Acid Profile and Lipid Oxidation of Meat Goat Fed Varying Levels of Pine Bark
B. R. Min 1, S. Solaiman, N. Gurung, E. Taha, Animal and Poultry Science, Tuskegee University, Tuskegee, AL.

11:00 AM
Corn Gluten Feed Supplementation Effects on Growth and Intake in Hair Sheep Lambs Fed Hay-Based Diets
S. Wildeus 1, C. D. Teutsch 2, Agricultural Research Station, Virginia State University, Petersburg, 2 Southern Piedmont Agricultural Research and Extension Center, Virginia Tech, Blackstone.

11:15 AM
Residual Frying Oil Reduces Fiber Digestibility of Feedlot Sheep
F. B. O. Scarpino 1, J. M. B. Ezequiel 1, E. H. C. B. van Cleef 2, 1 Animal Science, Sao Paulo State University, Jaboticabal, Brazil, 2 Animal Science and Industry, Kansas State University, Manhattan.
The Effects of Stocker-Phase Implant Strategies on Subsequent Feedlot Performance and Carcass Characteristics
D. O. Alkire, R. R. Reuter, Agricultural Division, The Samuel Roberts Noble Foundation, Ardmore, OK.

Misconceptions that Lead to Straightbreeding in Commercial Beef Cattle Operations
D. Bullock, L. Anderson, J. Lehmkuhler, R. Burris, Animal and Food Sciences, University of Kentucky, Lexington.

Performance of Beef Calves Fed Supplements Containing Glycerin
R. Burris, J. Lehmkuhler, J. Randolph, Animal and Food Sciences, University of Kentucky, Princeton.

The Junior Beef Excellence Program and Comparison of Carcass Characteristics from Southern Oklahoma Show Steers versus the Commercial Beef Industry
B. Nichols, R. Reuter, F. Schmedt, S. Ingram, L. McDaniel, Agricultural Division, The Samuel Roberts Noble Foundation, Oklahoma Cooperative Extension Service, Oklahoma State University, Ardmore, OK.

Beef Cattle Herd Health and Operation Facilities Interactive Video Short Courses
J. A. Parish, B. B. Karisch, C. L. Huston, S. Hankins, L. L. Jury, Animal and Dairy Sciences, College of Veterinary Medicine, Extension Center for Technology Outreach, Mississippi State University, Mississippi State.

Impact of a Wild Game Safety and Processing Program on Attendee Food Safety, Quality, and Processing Knowledge

Hands-On Workshops Spark Interest in North Carolina Beef Producers
8:55 Introductory Remarks –
Dr. Jeff Boles, President
Dr. SK Ballal, Program Chair

9:00 Kundai Chibanguza, Ramesh Katam, Kelechi “Proteome changes in xylem tissue in response to Pierce’s Disease in Vitis species”
Department of Biological Sciences, Florida A&M University, Tallahassee FL 32307

9:30 Andrew G. Palmer and Michael Riley, “Improving the legume-rhizobia symbiosis,”
Department of Biological Sciences, Florida Institute of Technology, 150 W. University Blvd., Melbourne, FL. 32901

10:00 Devaiah Kambiranda, Mehboob B. Sheikh and Ramesh Katam, “Characterization of Muscadine grape berry proteome to identify proteins associated with berry quality,” 6505 Mahan Drive, Center for Viticulture and Small Fruits, Florida A&M University, Tallahassee, Florida 32317, Department of Biology, Florida A&M University, Tallahassee, Florida 32307.

10:30 Safaa Al-Hamdani, “Nutritional Assessment of Kudzu as a Food Source,” Professor of Biology, Jacksonville State University, Jacksonville AL, 36265

11:00 J. Lucas Boatwright, Danielle Robinson, Xiaoyu Liu, Karolina M Mukhtar, “Novel Functions of IRE1 in Plant Immunity and Cell Death Control,” University of Alabama at Birmingham, 1300 University Blvd., Campbell Hall 370, Birmingham, AL 35294

11:30 Margaret Johnson, Ryan Harding and Brittnay Kindall, “Assessing the Function of Inositol Phosphate in Thylakoids of Chlamydomonas reinhardtii,” Department of Biological Sciences/ The University of Alabama, Tuscaloosa, AL 35487.

12:00 Closing Remarks
**MONDAY, FEBRUARY 4, 2013**

8:00 am - 10:00 am | Registration  
Room: Citrus Ballroom 
Foyer

8:00 am - 10:30 am | Poster Session Viewing  
Room: Palms Ballroom 
Salon E

8:00 am - 10:45 am | Vegetable Crops Section  
Room: Biscayne

8:00 am - 10:30 am | Fruit Crops Section  
Room: Lime

8:00 am - 10:30 am | Floriculture, Ornamentals and Turf Section  
Room: Siesta

8:00 am - 9:30 am | Postharvest/ Biochemistry/Plant Biology Section  
Room: Executive Boardroom

7:00 am - 10:30 am | Extension Section  
Room: Palms Ballroom 
Salon C

8:00 am - 5:00 pm | National Sweet Potato Collaborators  
Room: Oleander

8:00 am - 4:00 pm | Watermelon Research Group  
Room: Lime

8:00 am - 10:30 am | J. B. Edmond Undergraduate Student Paper Competition  
Room: Lemon

9:00 am - 10:30 am | Vigna Crop Germplasm Committee  
Room: Orange

12:00 Noon - 4:00 pm | Poster Session Viewing  
Room: Palms Ballroom 
Salon E

12:00 noon - 4:00 pm | J. Benton Storey Horticulture Judging Contest  
Room: Palms Ballroom 
Salon I

1:00 pm - 4:00 pm | National Cowpea Improvement Association  
Room: Orange

1:00 pm - 4:00 pm | Warren S. Barham Ph.D. Student Paper Competition  
Room: Lemon

1:00 pm - 10:30 am | ACB Business Meeting  
Room: Lemon

11:00 am - 12:30 pm | Annual Business Meeting and Award Program  
Room: Lemon

1:00 pm - 3:00 pm | Vegetable Crops Section  
Room: Biscayne

1:00 pm - 2:30 pm | Fruit Crops Section  
Room: Lime

1:00 pm - 2:15 pm | Floriculture, Ornamentals and Turf Section  
Room: Siesta

1:00 pm - 4:00 pm | Poster Session Take Down  
Room: Palms Ballroom 
Salon E

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**SAAS Program**

4:00 pm - 4:30 pm | SAAS Business Meeting  
Room: Jasmine Ballroom

4:00 pm - 5:00 pm | SAAS Graduate Student Mixer  
Room: Poolside Pavilion

6:00 pm - 10:00 pm | NASCAR Sports Grille  
Driving a personal vehicle is not recommended.
There will be a $15 parking fee assessed per vehicle.

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**SECTION TITLES**

**SUNDAY, FEBRUARY 3, 2013**

J. B. EDMOND UNDERGRADUATE STUDENT PAPER COMPETITION

Room: Lemon

Presiding: Alaina Tobbe, President, ACB  
David Creech, President, SRASHS  
John Clark, Section Chair and Judging Coordinator

Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (jrlclark@uark.edu).
Horticulture

8:00 am – 10:30 am Order of presentations determined by drawing at beginning of contest.

Assessing the Effects of Horticulture Therapy on School-Aged Children. Clotivel Hernandez1*, Nathan Phillips1, and Debra H. Sullivan2. School of Agribusiness and Agriscience, Middle Tennessee State University, Murfreesboro, TN 37132. School of Nursing, Middle Tennessee State University, Murfreesboro, TN, 37132. (ch4a@mtmail.mtsu.edu)

Cool Season Bedding Plant Leaf Tissue Content in Relationship to Lime Rates. Ben Agnew and Ed Bush, 137 J. C. Miller Hall, LSU Ag Center, Baton Rouge LA, 70803. (ebush@agctr.lsu.edu)

Effect of 4-CPA on Fruit Set and Yield of Heat Tolerant Tomato Cultivars. Shamali Denny and Dilip Nandwani, Agricultural Experiment Station, University of the Virgin Islands, Kingshill VI 00850. (dnandwa@live.uvi.edu)

Evaluation of Cover Crops in High Tunnel Vegetable Production Rotation. Tyler A. Patrick and Curt. R. Rom, Department of Horticulture, 316 Plant Science, University of Arkansas, Fayetteville, AR 72701. Department of Food Science, University of Arkansas, Fayetteville, AR 72701. (txp004@email.uark.edu)

Influence of Nitrogen Source and Rate on Growth and Leaf Nutrient Content of a Taxodium Clone. Spence Simmons1 and D. L. Creech, Agriculture Department, Stephen F. Austin State University, Nacogdoches, TX 75962-3000. (spence32188@yahoo.com)

Influence of Organic Groundcovers on Mycorrhizal Colonization and Symbiosis of Organically Managed Fruit Crops. Raven A. Bough1 and Curt R. Rom. Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (rbough@uark.edu)

Release Curves of Calcium and Magnesium Fertilizers in Nursery Production. Lee Rouse and Ed Bush, 137 J. C. Miller Hall, LSU Ag Center, Baton Rouge LA, 70803. (ebush@agctr.lsu.edu)

Substitution of a Soilless Medium with Yard Waste Compost for Basil Transplant Production. Courtney D. DeKalb1*, Brian A. Kahn1, Allen V. Barker2, and Bruce L. Dunn1, 358 Agricultural Hall, Oklahoma State University, Stillwater, OK 74078, 202 Bowditch Hall, University of Massachusetts, Amherst, MA 01003. (brian.kahn@okstate.edu)

Horticulture

NORMAN F. CHILDERS
M.S. GRADUATE STUDENT PAPER COMPETITION

Room: Lemon
Presiding: Curt Rom, President-Elect, Southern Region ASHS

Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (crom@uark.edu).

10:30 am – 2:30 pm Order of presentations determined by drawing at beginning of contest.

A new grafting procedure decreases grafting cost and increases grafting efficiency by eliminating rootstock re-growth. Shawna Daley* and R.L. Hassell, School of Agriculture, Forest, and Environmental Sciences, Clemson University Coastal REC, Charleston, SC 29414. (sdaley@clemson.edu)

A Physiological Comparison of Heat Tolerance Between Two Cultivars of Ivy Geranium (Pelargonium peltatum). Anna M. Horton1*, Richard L. Harkess1, David Chevalier2, Guihong Bi3, and Cetin Yuceer, 1Department of Plant and Soil Sciences, Mississippi State University, Starkville, MS 34709, 2Department of Biological Sciences, Mississippi State University, Starkville, MS 34709, 3Truck Crop Experiment Station, Mississippi State University, Crystal Springs, MS 34709, Department of Wildlife Fisheries and Aquaculture, Mississippi State University, Starkville, MS 34709. (lrharkess@pss.msstate.edu)

Comparing Phenotypical Variation Among Echinacea purpurea and Echinacea angustifolia Varieties Grown as Medicinal Herbs in Two Environments. Jennifer Crumley1, Lijing Zhou1, John Balles2, and Jeanine Davis1. Dept. of Horticultural Science, NC State University, Mountain Horticultural Crops Research and Extension Center, 455 Research Drive, Mills River, NC 28759, 2Nutrition Product Development, Amway Corporation, 19600 6th St., Lakeview, CA 92567. (Jennifer_Crumley@ncsu.edu)

Determining Salinity Tolerance of Three High Plains Bedding Plant Species in a Hydroponics Setting. Rebecca Grubbs1*, C.B. McKenney1, D.T. Montague1, S. Oswalt1, 1Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122, 2Bayer Crops Science Trait Development, 1301 East 50th St., Lubbock, TX 79404. (rebecca.grubbs@ttu.edu)

Effects of Cover Crops and Reduced Tillage on Yield and Weed Population in Organic Lettuce Production. Yushen Huang*, Xin Zhao, Carlene A. Chase, and Jason M. Neumann, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. (zxin@uf.edu)
Evaluation of an Organic Nitrogen Source in a Yellow Squash - Collard Rotation. C.Z. Ogles¹, J.M. Kemble¹, A.N. Wright¹, and E.A. Guertal², Auburn University, ¹Dept. of Horticulture, 101 Funchess Hall, Auburn, AL, 36849; ²201 Funchess Hall, Dept. of Agronomy & Soils, Auburn, AL, 36849. (kemschmit@ncsu.edu)

Evaluation of Salinity Effects on Four Texas Native Plants Using a Hydroponics System. Jessica Poole*, C.B. McKenney, and D.T. Montague, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122. (jessica.poole@ttu.edu)

Implementing Irrigation on Small-Scale Farms: An Economic Feasibility Study Using Sweet Potato Irrigation. Rockiell Woods¹, Gretchen F. Sassenrath², John Halloran³, and Wesley Whittaker⁴, ¹Alcorn State Experiment Station, Mound Bayou, MS, 38762; ²USDA-ARS Crop Production Systems Research Unit, Stoneville, MS 38776; ³USDA-ARS New England Plant, Soil and Water Research Laboratory, University of Maine, Orono, ME, 04469; ⁴Alcorn State University, Department of Agriculture Education, Alcorn State, MS 39096. (rwoods@alcorn.edu)

Influence of Planting Density on Growth and Fruit Yield of Grafted Tomatoes Ruhiyyih Dyrdahl-Young¹, Xin Zhao¹, Stephen M. Olson², and Jason M. Neumann³, ¹Horticultural Sciences Department, University of Florida, Gainesville, FL 32611; ²North Florida Research and Education Center, Quincy, FL 32351. (zxin@ufl.edu)

Optimizing Sweetpotato Seed Bed Density for Plant Production. Susan L. Barkley*, Jonathan R. Schultheis, Katie M. Jennings, Department of Horticultural Sciences, North Carolina State University, Raleigh, NC 27695-7609. (sweiss2@ncsu.edu)

Phosphorus uptake by two southeastern native plant species in flooded and non-flooded bioretention substrates. Amanda Meder* and A.N. Wright, Department of Horticulture, Auburn University, Auburn, AL, 36849. (alm0040@auburn.edu)

Planting/Population Density and Its Effects on Yield and Quality of Sweet Corn (Zea Mays). Kyle Schmitt¹, Jonathan Schultheis¹, and Chris Gunter¹, Department of Horticultural Science, North Carolina State University, Raleigh, NC 27606; Ron Heiniger², Vernon G. James Research & Extension Center 207 Research Station Road, Plymouth, NC 27962. (kcschmit@ncsu.edu)

Response of Hydroponic Bibb Lettuce (Lactuca sativa) to Salt Additives in Integrated Aquaponic Systems W. Robert Beauchamp¹, Jeff L. Sibley¹, Jesse A. Chappell², N. Rob Martin², and Jeremy M. Pickens¹. ¹Department of Horticulture, Funchess Hall; ²Department of Fisheries and Allied Aquacultures, Swingle Hall; ³Emeritus Professor, Department of Agricultural Economics and Rural Sociology, Comer Hall; Auburn University, AL 36849. (wrb0007@auburn.edu)

Saline irrigation of Selected Annual bedding Plants for the Southeastern United States. Judson S. LeCompte¹, Amy N. Wright¹, J. Raymond Kessler¹, Charlene Lebleu¹, ¹Department of Horticulture, 101 Funchess Hall, Auburn University, AL 36849; ²Department of Landscape Architecture, 305 Dudley Hall, Auburn University, AL 36849. (jsl0009@auburn.edu)

Utilization of Pigeon Pea (Cajanus cajan L.) and Sorghum Sudangrass [Sorghum bicolor (L.) Moench var. sudanense (Piper) Hitchc.] Summer Cover Crops to Improve Yield of Fall Cabbage. Dakson Sanon¹, Danielle D. Treadwell¹, Lincoln Zotarelli¹, and Oscar E. Liburd¹, ¹Department of Horticultural Sciences, University of Florida, P.O. Box 110690, Gainesville, FL 32611; ²Department of Entomology and Nematology, University of Florida, Bldg.970, Natural Area Dr., Gainesville, FL 32611 (dsanone@ufl.edu)

WARREN S. BARHAM
Ph.D. GRADUATE STUDENT
PAPER COMPETITION

Room: Lemon
Presiding: Curt Rom, President-Elect, Southern Region ASHS

Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (crom@uark.edu).

2:30 pm – 4:00 pm Order of presentations determined by drawing at beginning of contest.

Anthocyanin profile of organically grown blackberries Moo Jung Kim¹, Penelope Perkins-Veazie¹, and Gina Fernandez¹, ¹Department of Horticulture Sciences, North Carolina State University, Raleigh NC 27695; ²Plants for Human Health Institute, NC Research Campus, North Carolina State University, Kannapolis, NC 28081 (mkim10@ncsu.edu)

Effects of Nitrogen Rates on Reblooming Iris. Xiaojie Zhao¹, Guihong Bi², and Richard L. Harkess¹. ¹Department of Plant and Soil Sciences, Mississippi State University, Starkville, MS 39759; ²Truck Crop Experiment Station, Mississippi State University, Crystal Springs, MS 39059 (gb250@msstate.edu)
**HORTICULTURE**

Evaluation of Irrigation Scheduling Regimes for Drip Irrigated Sweetpotatoes in Eastern North Carolina. Robert L. Vick, Jr.*1, Jonathan R. Schultheis2, and Garry L. Grabow1, 1Department of Biological and Agricultural Engineering, North Carolina State University, Raleigh, NC 27695. 2Department of Horticultural Science, North Carolina State University, Raleigh.

**Grafting Specialty Melons for Root-knot Nematode Management** Wenjing Guan1*, Xin Zhao1, Donald W. Dickson2, and Judy Thies3, 1Horticultural Sciences Department, 2Entomology and Nematology Department, University of Florida, Gainesville, FL 32611, 3USDA, ARS, U.S. Vegetable Laboratory, 2700 Savannah Highway, Charleston, SC 29414. (zheng.wang@uky.edu)

Irrigation and tillage regime affects soil quality and yield of bell pepper (*Capsicum annuum* L.). Zheng Wang* and Timothy Coolong, Department of Horticulture, University of Kentucky, Lexington, KY 40546-0091. (zheng.wang@uky.edu)

Soil Type and Cultivar Effect on Root Growth and Stomatal Conductance of Muskmelon (Cucumis melo L.). Sat Pal Sharma1*, Daniel Leskovar1, Kevin M.Crosby2, A.M.H Ibrahim3 and Astrid Volder2, 1Texas A&M AgriLife Research and Extension Center, 1619 Garner Field Rd, Uvalde, TX 78801, 2Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843, 3Department of Soil and Crop Sciences, Texas A&M University, College Station, TX 77843 (sharma145@neo.tamu.edu)

**EXTENSION SECTION**

Room: Palms Ballroom Salon C
Presiding: Kathryn Fontenot
Abstracts: To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (kkfontenot@agcenter.lsu.edu).

8:00 **Teaching and Demonstration of Urban Nano Farm Techniques.** Gary R. Bachman*, Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 3452. (gbachman@ext.msstate.edu)

8:15 **Timely Communication to Nursery and Landscape Industry Clientele: Facebook, E-News Updates and Trial Garden Reports.** Allen Owings*, LSU AgCenter, Hammond Research Station, 21549 Old Covington Hwy, Hammond, LA 70403. (aowings@agcenter.lsu.edu)

8:30 **Promoting The Crosby Arboretum Through Social Media.** Richelle Stafne*, Mississippi State University Extension Service P.O. Box 1639, 370 Ridge Road, Picayune, MS 39466. (rstafne@ext.msstate.edu)

**EDUCATION SECTION**

Room: Palms Ballroom Salon C
Presiding: Garry McDonald
Abstracts: To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (gmcdonald@uark.edu).

10:00 **Experiences Teaching Plant Growth and Development Online.** Richard L. Harkess, Dept. Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762. (rharkess@pss.msstate.edu)

10:15 **Where Did All the Students Go?** Cynthia B. McKenney* and Thayne Montague, Department of Plant and Soil Science, Texas Tech University, Lubbock TX 79409-2122 (cynthia.mckenney@ttu.edu)
10:30 Extending the International Experience into the Horticulture Classroom: The Creation and Use of Reusable Learning Objects (RLOs). M’Randa Sandlin*, Theresa Pesl Murphrey, Kim Dooley, James Lindner, Leo Lombardini, and Dan Lineberger, Department of Agricultural Leadership, Education, and Communications, Ag and Life Sciences Building, 600 John Kimbrough Boulevard, Room 128J, Texas A&M University, College Station, TX 77843-2116 (m-sandlin@tamu.edu)

10:45 Use of Interaction and Chat Platforms to Bring Connections to an On-line Class. C.R. Rom*, Department of Horticulture, Plant Sciences 316, University of Arkansas, Fayetteville, AR 72701 (crom@uark.edu)

11:00 Break

11:15 Teaching a Greenhouse Management Laboratory On-Line. Michael R. Evans* Department of Horticulture, Plant Sciences 316, University of Arkansas, Fayetteville, AR 72701 (mrevans@uark.edu)

11:30 Using Blogs to Communicate Student International Experiences Mengmeng Gu1, Xin Zhao2, Guihong Bi3, and James A. Robbins4,5 Texas Agrilife Extension, College Station, TX 77843, 4Horticultural Sciences Department, 5Texas A&M University, Truck Crops Expt. Sta., Crystal Springs, MS 39059, 4Division of Agriculture, University of Arkansas System, Little Rock, AR 72204. (mgui@tamu.edu)

11:45 Opportunities and Challenges in Internationalizing Organic Agriculture Education. Xin Zhao1,2, Charlene A. Chase3, Marilyn E. Swisher4, and Teresa Briz5,1 Horticultural Sciences Department, 2Department of Family, Youth and Community Sciences, University of Florida, Gainesville, FL 32611, 3Agricultural Economics Department, Polytechnic University of Madrid, Madrid Spain 28040. (zxin@ufl.edu)

VEGETABLE CROPS SECTION

1:00 Sensory Attributes of Tomato and Muskmelon Fruits as Affected by Grafting Xin Zhao1,2, Charles A. Sims3, Charles E. Barrett1, and Eric Q. Dreyer4,5 Horticultural Sciences Department, 4Food Science and Human Nutrition Department, University of Florida, Gainesville, FL 32611. (zxin@ufl.edu)

1:15 Influence of Planting Density on Growth and Fruit Yield of Grafted Tomatoes Ruhijiyih Dyrdahl-Young1, Xin Zhao1, Stephen M. Olson2, Robert McSorley3, and Jason M. Neumann1, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611, 2North Florida Research and Education Center, Quincy, FL 32351, 3Entomology and Nematology Department, University of Florida, Gainesville, FL 32611. (zxin@ufl.edu)

1:30 Nitrogen Rates Effects on Yields and Profitability of Tomato with Subsurface Irrigation in Florida. Monica Ozores-Hampton1,2, Eric Simone3, Fritz Roka4, Kelly Morgan5, Steven Sargent6, Crystal Snodgrass7 and Eugene McAvoy8, 1University of Florida, Institute of Food and Agricultural Sciences, South West Florida Research and Education Center, Immokalee, FL, 2University of Florida, Institute of Food and Agricultural Sciences, Horticultural Sciences Department, Gainesville, FL, 3Manatee County Extension Service, Palmetto, FL, 4Hendry County Extension Service, LaBelle, FL, 5Ozores@ufl.edu.

1:45 Effect of Plant Population and Pruning on Grafted Tomatoes for Open Field Production. Joshua H. Freeman9 and Theodore P. McAvoy, Virginia Tech, Eastern Shore Agricultural Research and Extension Center, Painter, VA 23420. (joshfree@vt.edu)

2:00 Evaluation of Colored Shade Cloth in Tomato Production in Oklahoma. Joshua W. Chaney*, Charles T. Rohla and Steve D. Upson, The Samuel Roberts Noble Foundation, Ardmore, OK 73401. (jwcharney@noble.org)

2:15 Break

2:30 Nitrogen Rate Effect Using a Hybrid Controlled-Release and Soluble Fertilizer Program on Tomato Production in South Florida. Luther C. Carson*, Monica Ozores-Hampton, and Kelly T. Morgan, Southwest Florida Research and Education Center, University of Florida, Immokalee, FL 34142. (ozoresh@ufl.edu).
Influence of a Soil Surfactant on the Lateral Movement and Control of Nutsedge (Cyperus spp.) Populations with Metam Potassium in Tomato and Pepper. Bielinski M. Santos*, Gulf Coast Research and Education Center, IFAS, University of Florida, Wimauma, FL 33598 (bmsantos@ufl.edu).

Methods for controlling soil moisture-based irrigation in field-grown vegetables. Timothy Coolong* and Zheng Wang, Department of Horticulture, University of Kentucky, Lexington, KY 40546-0091. (timcoolong@uky.edu)


Implementing Irrigation on Small-Scale Farms: An Economic Feasibility Study Using Sweet Potato Irrigation. Rockiell Woods 1, Gretchen F. Sassenrath2, John Halloran3, and Wesley Whittaker4. 1Alcorn State Experiment Station, Mound Bayou, MS, 38762, 2USDA-ARS Crop Production Systems Research Unit, Stoneville, MS 38776, 3USDA-ARS New England Plant, Soil and Water Research Laboratory, University of Maine, Orono, ME, 04469, 4Alcorn State University, Department of Agriculture Education, Alcorn State, MS 39096. (rwoods@alcorn.edu)

Inheritance of pericarp thickness and fruit shape traits of consumer interest in Capsicum annuum. Denee K. Salazar 1, Ann M. Greene1, Lucianne Vilharinho1,2, and Bala Rathinasabapathi1. Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690, 2Universidade Federal de Roraima, Aptoporto-Boa Vista 69304220, Brazil

Student Poster Competition

Floriculture, Ornamentals and Turf

1) Salinity Tolerance of Lantana X ‘Luscious Citrus’, Buddleia davidii ‘Nanho Blue’, and Artemesia schmidtiana ‘Silver Mound’ Genthua Niu1, Youping Sun1, and Pedro Osuna2, 1Texas A&M AgriLife Research Center at El Paso, 1380 A&M Circle, El Paso, TX 79927, 2Universidad Autónoma de Cd. Juárez, Chihuahua, México

2) Effect of Ethylene on Adventitious Root Formation in Abelia. Bodie Pennisi and C. Robacker. University of Georgia, Dept. of Horticulture, 1109 Experiment St. Griffin, GA 30223 (bpennisi@uga.edu)

Plant Breeding

Characterization of Seediness Attributes of Blackberry Genotypes. Bethany Sebesta1, John R. Clark1, Renee T. Threlfall2, and Luke R. Howard2, 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2Department of Food Science, University of Arkansas, Fayetteville, AR 72701. (bmstone@uark.edu)

Papaya: The Influence of Sex on Plant Height and Production. Tyrone Pascal* and Thomas W. Zimmerman, Agricultural Experiment Station, University of the Virgin Islands, RR#1 Box 10,000, Kingshill, VI 00850. (tzimmer@live.uvi.edu)

Characterization and Lineage Verification of NC Raspberry Germplasm Using Microsatellite Markers Christine Bradish*, Nahla Bassil, April Nyberg, Gina Fernandez; Department of Horticultural Science; North Carolina State University, Campus Box 7609 Raleigh, NC 27695 (cmbradis@ncsu.edu)

Blueberry Cultivar Trial in Central Mississippi: 2012 Yield and Fruit Quality Update. William B. Evans1, Sarah Reynolds1 and Donna Marshall2, 1MAFES Truck Crops Branch, P.O. Box 231, Crystal Springs, MS 39059-0231; USDA Thad Cochran Southern Horticultural Laboratory, 810 Highway 26 West (P. O. BOX 287) Poplarville MS 39470 (bill.evans@msstate.edu)
8) Response of Muscadine Grape (Vitis rotundifolia Michx.) Cultivars to Cane Pruning. Stephen J. Stringer, Donna A. Marshall and Blair J. Sampson. USDA ARS Thad Cochran Southern Horticultural Laboratory, Poplarville, MS, 39466.

9) Storage retention of Stilbene, Ellagic Acid, Flavonol, and Phenolic Content of Muscadine Grape (Vitis rotundifolia Michx.) Cultivars. Donna A. Marshall, and Stephen J. Stringer. USDA-ARS Thad Cochran Southern Horticultural Laboratory, Poplarville, MS 39470, USA; Address correspondence to this author at USDA-ARS Thad Cochran Southern Horticultural Laboratory, Poplarville, MS 39470, USA; E-mail: Donna.Marshall@ars.usda.gov

10) Growth of Seedling Vaccinium arboreum Influenced by Provenance and Substrate pH. Jonathan Meador, James Spiers, Eilna Coneva, Jeff Sibley, and Rebecca Darnell. 101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849, 1131 Fifield Hall, Department of Horticultural Sciences, University of Florida, Gainesville, FL 32611. (jds0017@auburn.edu)

11) Pitaya (Hylocereus sp.) Cultivation in the CNMI. Dilip Nandwani and Anthony Tudela. Plant Science Laboratory, Agricultural Experiment Station, University of the Virgin Islands, Kingshill, VI 00850, Cooperative Research, Extension and Education Service (CREES), Northern Marianas College, Saipan MP 96950 (dilipnandwani@yahoo.com)

12U) Differences in Phenotype, Growth, and Maturation among Five Accessions of Mucuna pruriens (Velvetbean) Grown in Middle Tennessee. Ethan M. Swiggart, Bryan Sallman, and Nathan C. Phillips, School of Agribusiness and Agrisience, Middle Tennessee State University, Murfreesboro, TN 37130. (Eswiggart@gmail.com)

13G) Use of Fatty Alcohol Treatments to Control Rootstock Regrowth in Grafted Watermelon (Citrullus lanatus [Thunb.]), Shawna Daley and R.L. Hassell, School of Agriculture, Forest, and Environmental Sciences, Clemson University Coastal REC, Charleston, SC 29414. (sdaley@clemson.edu)

14G) Pigeon Pea (Cajanus cajan L.) and Sorghum Sudangrass [Sorghum bicolor (L.) Moench var. sudanense (Piper) Hitchc.] Management Changes Populations of Pest and Beneficial Insects in Cabbage. Dakson Sanon, Dr. Danielle D. Treadwell, Dr. Lincoln Zotarelli, and Dr. Oscar E. Liburd. Department of Horticultural Sciences, University of Florida, P.O. Box 110690, Gainesville, FL 32611, Department of Entomology and Nematology, University of Florida, Bldg.970, Natural Area Dr., Gainesville, FL 32611 (dsanon@ufl.edu)

15) Growth of Tomato (Lycopersicon esculentum) Seedlings in Commercial Substrate Amended with Dewatered Aquaculture Effluent. Jason J. Danaher, Jeffrey L. Sibley, Jesse A. Chappell, Jeremy M. Pickens, Ternill R. Hanson, Claude E. Boyd, Auburn University, Department of Fisheries and Allied Aquaculture, 203 Swingle Hall, Auburn, AL 36849, Auburn University, Department of Horticulture, 101 Funchess Hall, Auburn, AL 36849. (jjd0011@auburn.edu)

16) Can Exogenous Abscisic Acid Application Improve Survival Rate and Quality of Grafted Tomato Transplants? Shuan Hao Teo, Xin Zhao, Craig Campbell, and Stephen M. Olson. 1Horticultural Sciences Department, University of Florida, Gainesville, FL 32611, 2Valent Biosciences Corporation, Ocoee, FL 34761, 3North Florida Research and Education Center, Quincy, FL 32351. (xinz@ufl.edu)

17) Responses of Bioactive Compounds in Jalapeño Peppers to Potassium Fertilization. John Jifon, Gene Lester, Kevin Crosby, Daniel Leskovar; Texas A&M AgriLife Research and Extension Center, Weslaco, TX 78596. (jjifon@ag.tamu.edu).

18) Economics of Growing Microgreens for the Local Food Market. Gary R. Bachman, Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532 (gbachman@ext.msstate.edu)

19) Grower Trials for Heat-Set Capabilities in Tomato. Lynn Brandenberger, Brian Kahn, and Jim Shrefler. 358 Agriculture Hall, Stillwater, OK 74078, P.O. Box 749, Durant, OK 74702, (lynn.brandenberger@okstate.edu)
20) **Heavy Pest Pressure in 2012 Pumpkin Variety Trial.** George E. Boyhan*, Suzzanne C. Tate, Ryan D. McNeil, and William A. Mills, 1Department of Horticulture, University of Georgia, 1111 Miller Plant Science Bldg., Athens, GA 30602. 2Attapulgus Research & Education Center, PO Box 189, Attapulgus, GA 39815. (gboyhan@uga.edu)

21) **Comparison of Tomato Varieties Under Organic Production Practices.** George E. Boyhan*, Jeffrey McConnaughey, Suzzanne C. Tate, and Ryan D. McNeil, Department of Horticulture, University of Georgia, 1111 Miller Plant Science Bldg., Athens, GA 30602. (gboyhan@uga.edu)

22) **Cool Season Organic Vegetable Rotation for the Southeast: A Wholistic Assessment.** George E. Boyhan*, Julia W. Gaskin, Elizabeth L. Little, E. Greg Fonsah, Suzzanne Tate, and Ryan McNeil, 1Department of Horticulture, University of Georgia, 1111 Miller Plant Science Bldg., Athens, GA 30602, 2Agricultural Economics, PO Box 1209, Tifton, GA 31793. (gboyhan@uga.edu)

23) **Effect of Preemergence Herbicide on Weed Control in Eggplant (Solanum melongena L.).** Dilip Nandwani, Plant Science Laboratory, Agricultural Experiment Station, University of the Virgin Islands, Kingshill, VI 00850 (dnandwa@live.uvi.edu)

24) **Evaluation of Reflex (fomesafen) Herbicide for Watermelon in Oklahoma.** James Shrefler, Merritt Taylor, Lynn Brandenberger and Charles Webber III, 1Wes Watkins Agricultural Research and Extension Center, Oklahoma State University, P O Box 128, Lane, OK 74555, 2Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078 and Sugarcane Research Unit, United States Department of Agriculture, Agricultural Research Service, 5883 USDA Road, Houma, LA 70360. (jim.shrefler@okstate.edu)

Cross Commodity

25U) **Hibiscus sabdariffa Breeding for Plant Improvement.** Kalunda Cuffy*, Khalid Matthew, Kenya Emanuel and Thomas W. Zimmerman, Agricultural Experiment Station, University of the Virgin Islands, RR#1 Box 10,000, Kingshill, VI 00850. (tzimmer@live.uvi.edu)

26) **Freezing Characteristics of Soils with Various Moisture Content.** Bodie Pennisi*, O. Lindstrom1, and M. Habtessellasse2. University of Georgia, Dept. of Horticulture, 1109 Experiment St. Griffin, GA 30223; 2University of Georgia, Dept. of Crop and Soil Sciences (bpennisi@uga.edu)

27) **Overview of the ASHS Local Foods Working Group.** Christine Coker, Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532. (ccoker@ra.msstate.edu)

28) **The Role of Universities in Local Food Systems.** Christine Coker, Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532. (ccoker@ra.msstate.edu)

**Monday, February 6, 2012**

**POSTERS**

Room: Palms Ballroom Salon E
Presiding: Bodie Pennisi

Abstracts: To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (bpennisi@uga.edu).

Set-Up: Sunday, 8:00 am –12:00 pm
Poster Viewing Sunday noon to Monday 10:30 am

**ANNUAL BUSINESS MEETING AND AWARDS PROGRAM**

Room: Lemon
Time: 11:00 – 12:30
Presiding: David Creech, President

**VEGETABLE CROPS SECTION**

Room: Biscayne
Presiding: Chris Gunter

Abstracts: To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (cgunter@ncsu.edu).

**Morning Session**

8:00 Microgreens: Specialty Crop for the Local Food Market. Gary R. Bachman*, Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532 (gbachman@ext.msstate.edu)

8:15 Comparison of In-row Distances of Determinate and Indeterminate Colored Bell Pepper (*Capsicum annuum*) under High Tunnel Culture. Emmanuel A. Torres-Quezada* and Bielinski M. Santos, Gulf Coast Research and Education Center, IFAS, University of Florida, Wimauma, FL 33598 (bmsantos@ufl.edu).
Horticulture

8:30  Conducting Variety Trials for an Emerging Southeastern Hops Industry. Jeanine Davis¹, Scott King², and Robert Austin². ¹Dept. of Horticultural Science, NC State University, Mountain Horticultural Crops Research and Extension Center, 455 Research Drive, Mills River, NC 28759, ²Dept. of Soil Science, NC State University, Box 7619, Raleigh, NC 27695. (jeanine.davis@ncsu.edu)

8:45  Studies in Support of Western NC Mountain Broccoli Production. Jeanine Davis and Emily Bernstein, Dept. of Horticultural Science, NC State University, Mountain Horticultural Crops Research and Extension Center, 455 Research Drive, Mills River, NC 28759. (Jeanine_Davis@ncsu.edu)

9:00  Comparing Phenotypical Variation Among Echinacea purpurea and Echinacea angustifolia Varieties Grown as Medicinal Herbs in Two Environments. Jennifer Crumley¹, Lijing Zhou¹, John Balles², and Jeanine Davis¹. ¹Dept. of Horticultural Science, NC State University, Mountain Horticultural Crops Research and Extension Center, 455 Research Drive, Mills River, NC 28759, ²Dept. of Soil Science, NC State University, Box 7619, Raleigh, NC 27695. (Jennifer_Crumley@ncsu.edu)

9:15  Break

9:30  Phytoremediation of Aquaculture Effluent Using Beit Alpha Cucumber Production. Jeremy M. Pickens¹, Jeff L. Sibley¹, Jesse A. Chappell², Jason J. Danaher², Terrill R. Hanson², Claude E. Boyde². ¹1101 Funches Hall, Department of Horticulture, Auburn University, AL, 36849, ²2203 Swingle Hall, Department of Fisheries and Allied Aquaculture, Auburn University, AL, 36849. (pickejm@auburn.edu)

9:45  Micropropagation of Artemisia annua, a Medicinal Plant with Anti-malarial and Anticancer Activities. Theophilus M. Mutui¹, Jorge F.S. Ferreira², and Hazel Y. Wetzstein⁷, ¹Department of Seed, Crop and Horticultural Sciences, Chepkoilel University College (Moi University), P.O. Box 1125-30100, Eldoret, Kenya, ²US Salinity Laboratory, USDA/ARS, 450 W. Big Springs Rd., Riverside, CA 92507-4617, ⁷Department of Horticulture, 1111 Plant Science Building, University of Georgia, Athens, GA 30602-7273. (hywetz@uga.edu)

10:00  Evaluation of Pollenizer Varieties for Triploid Watermelon (Citrullus lanatus) Production in Southwestern Indiana. Shubin K. Saha¹, and Dan Egel². ¹Horticulture and Landscape Architecture Department, ²Botany and Plant Pathology Department, Southwest Purdue Ag Program, Purdue University, Vincennes, IN 47591. (ssaha@purdue.edu)

10:15  Degradable Mulches May Have a Place in Southern Vegetable Farming. William B. Evans*, Richard G. Snyder, and Vasile Cerven. MAFES Truck Crops Branch, P.O. Box 231, Crystal Springs, MS 39059-0231. (bill.evans@msstate.edu)

10:30  High Tunnel Vegetable Update From Mississippi: Crops, Fertilizers, and Production techniques. William B. Evans*, William B. Evans*, Guinhon Bi and Vasile Cerven. MAFES Truck Crops Branch, P.O. Box 231, Crystal Springs, MS 39059-0231. (bill.evans@msstate.edu)

Afternoon Session

1:00  Soil Type and Cultivar Effect on Root Growth and Stomatal Conductance of Muskmelon (Cucumis melo L.). Sat Pal Sharma¹, Daniel Leskovar¹, Kevin M. Crosby², A.M.H Ibrahim³ and Astrid Volder², ¹Texas A&M AgriLife Research and Extension Center, 1619 Garner Field Rd, Uvalde, TX 78801, ²Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843, ³Department of Soil and Crop Sciences, Texas A&M University, College Station, TX 77843 (sharma145@neo.tamu.edu)

1:15  Plant Spacing Affects Number and Weight of Small Paintable Pumpkins. Greg D. Hoyt¹* and Liz A. Driscoll¹*, Departments of Soil Science and Horticultural Science, North Carolina State University, ¹Mountain Horticultural Crops Research & Extension Center, 455 Research Drive, Mills River, NC 28759, ²Department of Horticulture, 218 Kilgore Hall, Raleigh, NC 27695-7609. (greg.hoyt@ncsu.edu)

1:30  Growth and Yield Response of Okra (Abelmoschus esculentus) in the island of St. Croix. Dilip Nandwani, Plant Science Laboratory, Agricultural Experiment Station, University of the Virgin Islands, Kingshill, VI 00850 (dnandwa@live.uvi.edu)

1:45  Selected Insecticides for Soil Insect Control in Sweetpotato. Shaun A. Francis*, James O. Garner and Obadiah M. Njue, Department of Agriculture, University of Agriculture at Pine Bluff, 1200 North University Drive, Mail Slot 4913, Pine Bluff, AR 71601 (francis5739@uapb.edu)
2:00 Grafting Specialty Melons for Root-knot Nematode Management
Wenjing Guan1*, Xin Zhao2, Donald W. Dickson3, and Judy Thies4.  
1Horticultural Sciences Department, 
2Entomology and Nematology Department, University of Florida, Gainesville, FL 32611, 
3USDA, ARS, U.S. Vegetable Laboratory, 2700 Savannah Highway, Charleston, SC 29414. 
(xzin@ufl.edu)

2:15 Break

2:30 Effects of Cover Crops and Reduced Tillage on Yield and Weed Population in Organic Lettuce Production. 
Yushen Huang1*, Xin Zhao, Carlene A. Chase, and Jason M. Neumann. 
1Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. 
(xzin@ufl.edu)

2:45 Opportunities to produce broccoli in Florida. 
Monica Ozares-Hampton1, Lincoln Zotarelli1 and Gene McAvoy3.  
1University of Florida, Institute of Food and Agricultural Sciences, South West Florida Research and Education Center, Immokalee, FL. 
3University of Florida, Institute of Food and Agricultural Sciences, South West Florida Research and Education Center, Immokalee, FL. 
(zxin@ufl.edu)

2:00 Grafting Specialty Melons for Root-knot Nematode Management
Wenjing Guan1*, Xin Zhao2, Donald W. Dickson3, and Judy Thies4.  
1Horticultural Sciences Department, 
2Entomology and Nematology Department, University of Florida, Gainesville, FL 32611, 
3USDA, ARS, U.S. Vegetable Laboratory, 2700 Savannah Highway, Charleston, SC 29414. 
(xzin@ufl.edu)

8:15 ‘Correlating fruit maturity at harvest with fruit quality in peach’ by Ksenija Gasic* and G.L. Reighard, School of Agricultural, Forestry and Environmental Sciences, Clemson University, Clemson, SC 29634. (kgasic@clemson.edu)

John R. Clark and James. N. Moore, 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (jrc@ark.edu)

8:45 Investigations to Determine the Performance of Recently Released Seedless Table Grapes and Advanced Selections from the University of Arkansas Breeding Program. 
Elina D. Coneva1, Y. Hu1, J.R. Clark1, R. Kessler1, J. Spiers1, E. Vinson1, and A.W. Caylor1.  
1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849. 
2316 Plant Science Bldg., Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 
3765 County Road 1466, North Alabama Horticulture Research Center, Cullman, AL 35055. (edc0001@auburn.edu)

9:00 Preliminary Results of Performance of Three Arkansas Seedless Table Grape Cultivars (‘Faith’, ‘Hope’, and ‘Mars’) under High Tunnel Conditions. 
M. Elena Garcia*, D. Dickey, and S. Frey, Dept. of Horticulture, University of Arkansas, Fayetteville, AR 72701 (megarcia@uark.edu).

9:15 Break

9:30 Assessing the Crop Potential and Vigor of Selected Pierces Disease Tolerant Bunch Grape Cultivars in North Alabama’s Environment During the Years of Vineyard Establishment. 
Elina D. Coneva1, Y. Hu1, R. Kessler1, J. Spiers1, E. Vinson1, and J. Ducar2.  
1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, 
213112 Highway 68, Crossville, AL 35662 (edc0001@auburn.edu)

9:45 Is it Feasible to Grow Pierces Disease Resistant 87% Vitis vinifera Grapes within the High Disease Pressure Southeastern Region? 
Elina D. Coneva1, E. Vinson1, and J. Pitts2.  
1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, 
2Chilton Research and Extension Center, 120 Co. Rd. 756, Clanton, AL, 35045. (edc0001@auburn.edu)

10:00 An Improved and Efficient Micropropagation System for Grapevine (Vitis sp.) 
Kyungh-Hee Kim, Zhijian T. Li, Jonathan R. Jasinski and Dennis J. Gray Mid-Florida Research & Education Center, University of Florida/IFAS, 2725 Binion Road, Apopka, FL 32703. (digi@ufl.edu)
HORTICULTURE

10:15 Evaluation of Freeze Protection Methods for Strawberry (Fragaria x ananassa) Production in Florida. Ixchel M. Hernandez-Ochoa* and Bielinski M. Santos, Gulf Coast Research and Education Center, IFAS, University of Florida, Wimauma, FL 33598. (bmsantos@ufl.edu).

11:00 – 12:30 Attend Business Meeting and Awards Program

Afternoon Session
1:00 Influence of Late Nitrogen and Potassium Rates on Fruit Yield and Quality of Strawberry (Fragaria x ananassa) Cultivars. Bielinski M. Santos* and Vance M. Whitaker, Gulf Coast Research and Education Center, IFAS, University of Florida, Wimauma, FL 33598. (bmsantos@ufl.edu).

1:15 Comparison of Population Densities of Strawberry (Fragaria x ananassa) Cultivars Growing in High Tunnels and in Open Fields. Bielinski M. Santos* and Vance M. Whitaker, Gulf Coast Research and Education Center, IFAS, University of Florida, Wimauma, FL 33598. (bmsantos@ufl.edu).

1:30 Chestnut Gall Wasp Susceptibility of Castanea Cultivars and Seedlings. Gregory L. Reighard, SAFES, Clemson University, Clemson, SC 29634. (grghrd@clemson.edu).

1:45 Alternative Flood Irrigation Strategies That Improve Water Conservation in Citrus Production. Shad D. Nelson1, Juan Enciso2, Hugo Perea1, Lou Beniken1, Mamoudou Setamou1, Mac Young2, and Clinton F. Williams3. 1700 University Blvd, MSC 228, Department of Agriculture, Agribusiness and Environmental Sciences, Texas A&M University, Kingsville, TX 78363. 2Texas A&M University, Texas Agricultural Experiment Station, Weslaco, TX 78596. ‘N.E. Borlaug Fellow Visiting Scientist, Institut National De La Recherche Agronomique (INRA), Morocco, 312 N International Blvd, TAMU-Kingsville Citrus Center, Weslaco, TX 78596. 4Texas A&M University, Texas Agricultural Experiment Station, Corpus Christi, TX 78410. 5United States Department of Agriculture-Agricultural Research Service, Maricopa, AZ 85238. (shad.nelson@tamuk.edu)

2:00 Effects of Irrigation Regime on Gas Exchange of Field Grown Olea Europeaea L. Staci Parks*,Thayne Montague, C.B. McKenney. Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122. (staci.parks@ttu.edu)

FLORICULTURE, ORNAMENTALS AND TURF SECTION
Room: Siesta
Presiding: Raymond Kessler
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (kessljr@auburn.edu).

Morning Session
8:00 Easy Elegance roses - Landscape Observations on Cultivars Recommended for the South. Allen Owings*, Roger Rosendale and Regina Bracy. LSU AgCenter, Hammond Research Station, 21549 Old Covington Hwy, Hammond, LA 70403.

8:15 The Gardens at the LSU AgCenter Hammond Research Station. Allen Owings*, Regina Bracy, Yan Chen, Roger Rosendale and Joey Quebedeaux. LSU AgCenter, Hammond Research Station, 21549 Old Covington Hwy, Hammond, LA 70403.

8:3 Landscape Evaluation of Acalypha (Copper Plant) Cultivars. Allen Owings* and Roger Rosendale. LSU AgCenter, Hammond Research Station, 21549 Old Covington Hwy, Hammond, LA 70403.


9:00 Landscape Performance of Caladiums in Full Sun in Southern Louisiana. Yan Chen*, Regina Bracy, and Allen Owings LSU AgCenter, Hammond Research Station, 21549 Old Covington Hwy, Hammond, LA 70403.

9:15 Break

9:30 Effects of TopflorG on KnockOut rose Growth in Container Production. Yan Chen*, Regina Bracy, and Allen Owings LSU AgCenter, Hammond Research Station, 21549 Old Covington Hwy, Hammond, LA 70403.

9:45 Finding a Fit in Floriculture: A Qualitative Study on why Graduate Students Struggle to Find Floriculture as a Career Path. Lauri M. Baker1, Quisto Settle2, and Tracy Irani2. 1Kansas State University, Department of Communications and Agricultural Education, 307 Umberger Hall, Manhattan, KS, 66506, 2University of Florida, Agricultural Education and Communication Department, 121E Bryant Hall Gainesville, FL 32611.
10:00 Use of Artificial Shade for Heliconia Cut-Flower Production. Alma R. Solis-Perez1,2, Raul I. Cabrera2*, and Edgardo Zalazar-Marcial1,1Colegio de Postgraduados, Carr. Fed. Cordoba-Veracruz km. 348, Amatlan de los Reyes, Veracruz, 94946 (Mexico), 2Department of Horticultural Sciences, Texas A&M AgriLife Research, 1619 Garner Field Road, Uvalde, TX 78801.

10:15 Alternative Irrigation Sources for Urban Landscape Water Conservation. Raul I. Cabrera* and Daniel I. Leskovar, Department of Horticultural Sciences, Texas A&M AgriLife Research, 1619 Garner Field Road, Uvalde, TX 78801.

11:00 – 12:30 Attend Business Meeting and Awards Program

Afternoon Session

1:00 Rooting Response of Cuttings from Three Woody Ornamentals Using Water-Soluble Forms of IBA. Eugene K. Blythe*, Coastal Research and Extension Center, Mississippi State University, South Mississippi Branch Experiment Station, Poplarville, MS 39470.

1:15 Field and GIS-based Surveys Implicate Anthropomorphic Causes for Population Losses and Decline of Georgia plume, Elliotia racemosa, a Rare Endemic Tree. Justin A. Porter*, David Berle, and Hazel Y. Wetzstein, Department of Horticulture, 1111 Plant Science Building, University of Georgia, Athens, GA 30602-7273.


Horticulture

9:15 Genetic Factors Associated with Seed Oil Percentage in Watermelon. Geoffrey Meru1*, Jason Prothro2, Katherine C. Sandlin2, Rattandee Gill2, Cecilia McGregor1, 1Department of Horticulture, University of Georgia, Athens GA, 30602, 2 Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Athens GA, 30602. (merujeff@uga.edu)

11:00 – 12:30 Attend Business Meeting and Awards Program

Working Groups
(Contact Chairs for Agenda and Presentation times)

Sweet Potato SCRi Project
Presiding: Tara Smith (tsmith@agcenter.lsu.edu)
Friday: 8:00 am – 5:00 pm
Room: Olean D B

National Sweet Potato Collaborators Group
Presiding: Arnold Caylor (cayloaw@auburn.edu)
Saturday: 8:00 am – 5:00 pm
Room: Olean D B

Sweetpotato Insect, Disease, and Weed Management
9:00 Sweetpotato tip and end rot incidence in response to pathogen inoculations and preharvest foliar applications of ethephon. Ramón Arancibia1, Chris Clark2, Lori Grelen1 Washington da Silva2, and Jeff Main1, 1Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863; 2Department of Plant Pathology & Crop Physiology, LSU AgCenter, Baton Rouge 70803-1720.

9:15 End rots, tip rot, and internal necrosis: investigations into cause and resistance. Chris Clark1, Washington da Silva1, Ramón Arancibia2, Jeff Main3, Jonathan Schultheis3, Zvezdana Pesic van-Esbroeck2, and Chen Jiang2. 1Department of Plant Pathology & Crop Physiology, LSU AgCenter, Baton Rouge 70803-1720; 2Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863; 3North Carolina State University, Department of Horticultural Science, Box 7609, 2721 Founders Drive, Raleigh, NC 27695-7609

10:00 Evaluation of Various Insecticides in Sweetpotato Production for Control of Wireworms in the Mid-South, 2012. Larry Adams1, Randall Luttrel2, and Tara Smith2, 1USDA, ARS, SIMRU, Stoneville, MS 38776, 2LSU AgCenter, Chase, LA 70803

10:15 Evaluation of Selected Insecticides Regimes for Management of Sugarcane Beetle in Sweetpotato. T.P. Smith*1, J. Beuzelin2, T. Arnold3. 1LSU Agricultural Center: Sweet Potato Research Station, Chase, LA, 2LSU Agricultural Center: Dean Lee Research Station, Alexandria, LA.

10:45 Response of Sweetpotatoes To Weed Interference and Clomazone H.F. Harrison, Jr. and D.M. Jackson, U.S. Vegetable Laboratory, ARS-USDA, Charleston, SC.

11:00 Field survey and detection of sweetpotato viruses in North Carolina. Christie V Almeyda, Tamara Abernethy and Zvezdana Pesic-VanEsbroeck, Department of Plant Pathology, NCSU, Raleigh, NC 27695-7616


11:30 ‘Covington Sweetpotato Tolerance to Dual Magnum Applications Followed by Simulated Rainfall. Stephen L. Meyers, Katie M. Jennings, and David W. Monks, NCSU, Raleigh, NC.

NSCG Student Contest
PhD Papers
1:00 S-metolachlor, rainfall and temperature on sweetpotato storage root development. Issah A. Abukari1*, Mark W. Shankle2, K. Raja Reddy1, and Ramon A. Arancibia2. 1Plant and Soil Sciences Dept. Mississippi State University, 117 Dorman Hall, Mississippi State, MS 39762; 2Pontotoc Ridge-Flatwoods Branch Experiment

10:00 Genetic Factors Associated with Seed Oil Percentage in Watermelon. Geoffrey Meru*, Jason Prothro, Katherine C. Sandlin, Rattandee Gill, Cecilia McGregor. Department of Horticulture, University of Georgia, Athens GA, 30602. (merujeff@uga.edu)

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NSCG Student Contest
PhD Papers
1:00 S-metolachlor, rainfall and temperature on sweetpotato storage root development. Issah A. Abukari*, Mark W. Shankle, K. Raja Reddy, and Ramon A. Arancibia. 1Plant and Soil Sciences Dept. Mississippi State University, 117 Dorman Hall, Mississippi State, MS 39762; 2Pontotoc Ridge-Flatwoods Branch Experiment
2:45 Selected Insecticides for Soil Insect Control in Sweetpotato. Shaun A. Francis*, James O. Garner and Obadiah M. Njue, Department of Agriculture, University of Agriculture at Pine Bluff, 1200 North University Drive, Mail Slot 4913, Pine Bluff, AR 71601 (francis5739@uapb.edu)

3:00 Optimizing Sweetpotato Seed Bed Density for Plant Production. Susan L. Barkley*, Jonathan R. Schultheis, Katie M. Jennings, Department of Horticultural Sciences, North Carolina State University, Raleigh, NC 27695-7609. (slweiss2@ncsu.edu)

3:15 Implementing Irrigation on Small-Scale Farms: An Economic Feasibility Study Using Sweet Potato Irrigation. Rockiell Woods 1, Gretchen F. Sassenrath2, John Halloran3, and Wesley Whittaker4, 1Alcorn Woods Station, Mound Bayou, MS, 38762. 2USDA-ARS Crop Production Systems Research Unit, Stoneville, MS 38776, 3USDA-ARS New England Plant, Soil and Water Research Laboratory, University of Maine, Orono, ME, 04469, 4Alcorn State University, Department of Agriculture Education, Alcorn State, MS 39096. (rwoods@alcorn.edu)

3:30 Internal Necrosis in ‘Covington’ Sweetpotato; its Occurrence and Severity in the Commercial Industry and in Response to Various Chemistries. Chen Jiang1*, Mike D. Boyette2, Sylvia M. Blankenship1, and Jonathan R. Schultheis1, 1Department of Horticultural Science, 2Department of Biological & Agricultural Engineering, North Carolina State University, Raleigh, NC 27695.

Poster presentation:

5:00 Simultaneous Analysis of Thiamine and Riboflavin in Sweetpotato by HPLC. Wilmer Barrera* and David Picha, School of Plant, Environmental and Soil Sciences, Louisiana State University, Baton Rouge, LA 70803 (wbarre1@tigers.lsu.edu)

2012 USDA, ARS, Southern Insect Management Research Unit Sweetpotato Demonstration Study, Chris Johnson and Larry Adams USDA, ARS, SIMRU, Stoneville, MS. During the 2012 growing season USDA, ARS, Southern Insect Management Research Unit transplanted sweetpotato demonstration plots to illustrate the value in taking soil samples for nematode populations and applying a preplant incorporated insecticide to control soil insects attacking the developing sweetpotato roots. Three Mississippi Delta locations,
Influence of nitrogen rates on lateral root development in 'Beauregard' sweetpotato adventitious roots. Arthur Villordon 1, Don LaBonte 2, and Nurit Firon 3. 1LSU AgCenter Sweet Potato Research Station, Chase, LA 71324 USA; 2LSU AgCenter School of Plant, Environmental, and Soil Sciences, 137 J.C. Miller Hall, Baton Rouge, LA 70803-2120 USA; 3Institute of Plant Sciences, The Volcani Center, Agricultural Research Organization, P.O. Box 6, Bet Dagan, 50250, Israel

9:00 Yield response to potassium sidedressing in sweetpotato under drip irrigation. Ramon A. Arancibia* and Jeff L. Main. Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863. (raa66@msstate.edu)

9:15 Use of confocal microscopy to determine skin characteristics and the degree of lignification/suberization in sweetpotato. Ramon A. Arancibia* and Nestor Bonilla, Don LaBonte, and Jeff L. Main. Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863; *Plant and Soil Sciences Dept. Mississippi State University, 117 Dorman Hall, Mississippi State, MS 39762; 2School of Plant, Environmental, and Soil Sciences, Louisiana State University Agricultural Center, Baton Rouge, LA 70803 (raa66@msstate.edu)

9:30 Three years of winter cover crops effect on soil characteristics and sweetpotato production in North Mississippi. Jeff L. Main*, Xiang Wang, Lori B, Grelen, and Ramon A. Arancibia, Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863. (jmain@ra.msstate.edu)

9:45 Three years sweetpotato production with winter cover crops and stale beds in North Mississippi. Jeff L. Main* and Ramon A. Arancibia, Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863.

Watermelon Research Group
Presiding: Jonathan Schultheis, Chair
(jonr@ncsu.edu)

Sunday: 8:00 am – 5:00 pm
Room: Lime

Morning Program
8:00 Welcome: Jonathan Schultheis, Chair, WRDWG
8:10 Introductions: All in attendance
Regional Watermelon Production Updates
8:20 California & Arizona – James Brusca
Carolinias – Allan Thornton / Gilbert Miller
DelMarva – Gordon Johnson
Georgia – George Boyhan
Indiana & Midwest – Shubin Saha
Texas – Juan Ansico
**Afternoon Program**

1:00 Update promotion activities National Watermelon Promotion Board in 2012
Mark Arney, Exec. Director, Orlando, FL

Research Reports (continued)
Flowering and Pollination

1:15 Flowering Time in Watermelon. Cecilia McGregor* and V. Waters, Department of Horticulture, University of Georgia, Athens, GA 30602. (cmcgre1@uga.edu)

1:30 Evaluation of Pollenizer Varieties for Triloid Watermelon (*Citrullus lanatus*)
Production in Southwestern Indiana. Shubin K. Saha* and Dan Egel†, Horticulture and Landscape Architecture Department, Botany and Plant Pathology Department, Southwest Purdue Ag Program, Purdue University, Vincennes, IN 47591. (ssaha@purdue.edu)

1:45 North Carolina Triploid Watermelon Cultigen Evaluations for 2012. Jonathan R. Schultheis* and Bradfred Thompson, Dept. of Horticultural Science, North Carolina State University, Box 7609, 2721 Founders Drive, Raleigh, NC 27695-7609. (jonathan_schultheis@ncsu.edu)

2:00 Use of SqVYV resistant germplasm line 39291-VDR as a pollenizer for managing watermelon vine decline in Florida. C.S. Kousik", S. Adkins", W.W. Turechek", C. G. Webster" and P.D. Roberts", U.S. Vegetable Laboratory, USDA, ARS, 700 Savannah Highway, Charleston, SC 29414, USA, U.S. Horticultural Research Laboratory, USDA, ARS, Fort Pierce, FL 34945, SWFREC, University of Florida, Immokalee, FL 34142 (Shaker.Kousik@ars.usda.gov)

2:15 Exploiting genetic resources of *Citrullus* spp. to enhance disease or pest resistance in watermelon cultivars. A. Levi*, J. A. Thies, W. P. Wechter, H. Harrison, A. Simmons, K. Ling, and C. Kousik. USDA, ARS, U.S. Vegetable Laboratory 2700 Savannah Highway, Charleston, South Carolina 29414, USA. (Amnon.Levi@ARS.USDA.GOV)

2:30 Response of *Citrullus lanatus* var. *citroides*
Rootstocks for Grafted Watermelon to Root-knot Nematodes. Judy A. Thies¹, Sharon Buckner², Richard Hassell², and Amnon Levi¹, U.S. Vegetable Laboratory, USDA, ARS, 2700 Savannah Highway, Charleston, SC, 29414-5334; Clemson University, 2700 Savannah Highway, Charleston, SC, 29414-5334 (Judy.Thies@ARS.USDA.GOV)
2:45  MelCast Fungicide Application Scheduling for mid-Atlantic Watermelons: A Re-evaluation. Kathryn L. Everts* and Mason J. Newark, Department of Plant Science and LARC, University of Maryland College Park, LESREC- Salisbury, 21801 (keverts@umd.edu)

3:05  Break

Hot Topic Issues

3:30  Shaker Kousik, Research Scientist, USDA, Charleston, SC

Research Reports (continued)
Research Methods and Cultural Management

3:45  Optimum Plot Size and Number of Replications for Watermelon Trials and 2012 Watermelon Trial Results. George E. Boyhan*, Suzzanne C. Tate, and Ryan D. McNeil, Department of Horticulture, University of Georgia, 1111 Miller Plant Science Bldg., Athens, GA 30602. (gboyhan@uga.edu)

4:00  Grafting Methods: What Makes Each Acceptable and Unacceptable. Richard L. Hassell, Clemson University CREC, 2700 Savannah Highway, Charleston, SC (rhassel@clemson.edu)

4:15  The Effect of Particle Films, Growth Regulators, and a Bacterial Inoculant on Stress Indicators, Fruit Yield, and Fruit Quality in Triploid Watermelons. Gordon C. Johnson*, Emmalea G. Ernest, and D. Janine Sherrier University of Delaware, Carvel REC, 16483 County Seat Highway, Georgetown, DE 19947 (gcjohn@udel.edu)

4:30  Health Comparison of Watermelon and Gatorade on Exercise-Induced Oxidative Stress, Inflammation, and Immune Dysfunction in Masters Cyclists. Penelope Perkins-Veazie*, Plants for Human Health Institute, Department of Horticultural Sciences, Kannapolis, NC 28081 and R. Andrew Shanley, Human Performance Laboratory, Appalachian State University, North Carolina Research Campus, Kannapolis, NC 28081 (penelope_perkins@ncsu.edu)

4:45  Watermelon Group Business

5:00  Adjourn

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National Cowpea Improvement Assoc.
Presiding: J. Trachta, Chair
(john@ctsmithco.com)
Sunday: 1:00 pm – 4:00 pm
Room: Orange

Horticulture Administrators
Presiding: Wayne Mackay, Chair
(wmackay@ufl.edu)
Saturday: 1:00 pm – 4:00 pm
Room: Longboat

Vigna Crop Germplasm Committee
Presiding: Jeff Ehlers
(jeff.ehlers@ucr.edu)
Sunday: 9:00 am – 12:00 pm
Room: Orange

Pecan Research and Extension Forum
Presiding: Charles Rohla, Chair
(ctrohla@noble.org)
Saturday: 8:00 am – 5:00 pm
Room: Largo

S. Blueberry/Small Fruit Workers
Presiding: Elina Coneva, Chair
(edc0001@auburn.edu)
Saturday: 8:00 am – 5:00 pm
Room: Tangerine B
RESEARCH CENTER ADMINISTRATORS

2013 RCAS Winter Meeting, Orlando, Florida
Wyndham Orlando Resort

Sunday, February 3

2:00 to 4:00 p.m. – RCAS Executive Business Meeting, Siesta Room

4:00 to 4:30 p.m. – SAAS Business Meeting – Jasmine Ballroom

5:00 p.m. to till - SAAS Reception/Super Bowl Party, NASCAR Sports Grille (Universal City Walk)
Begin loading shuttle bus. Driving a personal vehicle is not recommended. There will be a $15 parking fee assessed per vehicle.

Monday, February 4

Morning Session – Magnolia Room
Moderator: George Granade, University of Georgia
Registration – 7:30 a.m.

8:00 a.m. to 8:15 Welcome and announcements

8:15 to 9:00 University of Florida Institute of Food and Agricultural Sciences
Mary Duryea, Associate Dean

9:00 – 9:45 Communications for Research & Extension Centers – Bob Hayes and Blake Brown, University of Tennessee

9:45 – 10:00 Break

10:00 – 11:30 Implementing Technology at Purdue Ag Centers – Jeff Boyer, Jim Beaty, Nate Linder, Steve Hawkins - Purdue University

11:30 – 12:00 How the Western Colorado Research Station Functions, Calvin Pearson, Colorado State University

Noon – 1:30 Lunch – on your own

Afternoon Session
Moderator – Barry Sims, University of Tennessee

1:30 – 2:15 Experiences with research center housing - Bob Brashear, University of Kentucky; Ken Scaife, Ohio State University

RESEARCH CENTER ADMINISTRATORS

2:15 – 3:00 Operating Policies and Procedures – Steve Hawkins, Purdue University; Mark Schroeder University of Nebraska

3:00 – 3:30 Break

3:30 – 5:00 RCAS Business Meeting

5:00 Adjourn

Tuesday, February 5

Morning Session – Magnolia Room
Moderator – Robert Ellis, University of Tennessee

8:00 – 9:00 Equipment Leasing Experiences – Gerald Reid, Ohio State Univ.; Ray Cartee, Utah State Univ.; Donnie Davis, Univ. of Kentucky; Sandy Stewart, North Carolina Dept. of Agriculture & Consumer Sciences

9:00 – 9:45 Managing two research stations from one location – Phillip Winslow, North Carolina Dept. of Agriculture and Consumer Sciences

10:00 Depart for bus tour
Epcot Horticultural Tour
Orlando County and City of Orlando Water Reclamation Project
Univ. of Florida IFAS Mid Florida Research and Extension Center

6:00 pm Dinner and awards - Mid Florida Research and Extension Center

9:00 pm Arrive at hotel
RURAL SOCIOLOGY

SOUTHERN RURAL SOCIOLOGICAL ASSOCIATION ANNUAL MEETING

“Social Stabilization in the Twenty-First Century: The Role of Rural Communities”

February 2- February 5, 2013
Orlando, Florida

Southern Rural Sociological Association Annual Meeting
February 2-5, 2013
Wyndham Orlando Resort
Orlando, Florida

“Social Stabilization in the Twenty-First Century: The Role of Rural Communities”

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RURAL SOCIOLOGY

SUNDAY, FEBRUARY 3

7:45 A.M. – 3:30 P.M.

REGISTRATION
Palms Ballroom Foyer

8:00 A.M. – 9:15 A.M.

SRSA EXECUTIVE COUNCIL MEETING
Palms Ballroom Salon F

9:30 A.M. – 10:45 A.M.

PAPER SESSION
Palms Ballroom Salon F

Rural Communities I

Moderator:
Patricia H. Dyk, University of Kentucky

The Role of Tolerance and the Creative Class on Economic Development in Rural Communities
Jessica Crowe and Nicholas Recker, Metropolitan State College of Denver

Attendance at Religious Meetings and Community-Level Interactions in Rural Texas
C. S. Robinson, Gene L. Theodori and Cheryl L. Hudec, Sam Houston State University

Public Budgeting Theories and Their Implications and Impacts on Rural Community Development
Tyson Elbert and Rachael Carter, Mississippi State University

Using Performance Based Budgeting to Engage Communities in Economic Development
Tyson Elbert and Rachael Carter, Mississippi State University

11:00 A.M. – 12:30 P.M.

PAPER SESSION
Palms Ballroom Salon F

Rural Communities II

Moderator:
Gene L. Theodori, Sam Houston State University

Impacting Policy that Affects Rural Communities at the National Level
Hannah Carter and Kevan W. Lamm, University of Florida
RURAL SOCIOLOGY

Perceptions of Rural Leaders Regarding Their Communities and Constituents
Jessica Burk, Usha Brandon, Cheryl Hudec, Gene L. Theodori and Colter Ellis, Sam Houston State University

Community Attachment, Satisfaction, and Organizational Involvement in Rural Communities
Jasmine Dotson, Gene L. Theodori and Cheryl L. Hudec, Sam Houston State University

Turning the Tide on Poverty: Voices of Community Participants
Patricia H. Dyk, University of Kentucky

Low-Income Housing Concerns: Insights from the Rural Families Speak about Health Project
Patricia H. Dyk, University of Kentucky, Jessica Kropczynski, The Penn State University, Christine Cook, Iowa State University, Ann Berry, University of Tennessee, Tiffany Bice-Wigington, Stephen F. Austin State University and Kimberly Greder, Iowa State University

12:30 P.M. – 1:30 P.M. - Lunch (on your own)

1:30 P.M. – 3:00 P.M.

PAPER SESSION

International Development Issues

Moderator:
Andrew Zekeri, Tuskegee University

The Role of Women in Post-Harvest Handling and Marketing of Peanuts: A Case of Aflatoxin Contamination in Ghana
Akua Adu-Gyamfi, Auburn University

Women’s Perception of Child Development in Rural Communities of Oro State, Nigeria
M. B. Malik, Obafemi Awolowo University, Ile-Ife, Nigeria

Appropriate Technology and Rural Resources Development: Lessons from a Nigeria River Basin
Zacchaeus O. Ogunnika, Virginia State University

Rural Banks for Rural Agricultural Productivity in Zimbabwe in the 21st Century
Jephias Matunhu, Midlands State University

RURAL SOCIOLOGY

Public Awareness of Environmental Pollution in Turkey
Murat Cankurt, Adnan Menderes University, Aydin, Turkey

PAPER SESSION

Palms Ballroom Salon G

Southern Black Belt and Land Issues

Moderator:
Ntam Baharanyi, Tuskegee University

Participation of Socially Disadvantaged Farmers in USDA Programs in Selected Black Belt Counties in Georgia
Lucy Asare-Baah, Robert Zabawa and Henry Findlay, Tuskegee University

The Socioeconomic and Demographic Predictors of Job Change Rates in the Mid-South (2008-2011)
W. Trevor Brooks, Austin Peay State University, Shannon Lane, Mississippi State University, Joshua Turner, Mississippi State University and Alejandro Serna, Austin Peay State University

Investigating the Objectives of the New Owners of Alabama’s Timberlands
Lord Kwakye Ameyaw and Conner Bailey, Auburn University

An Analysis of the Determinants of Land Use Decisions in the Alabama Black Belt Region
Maribel N. Mojica-Howell, Colmore Christian and Rory Fraser, Alabama A&M University

A Examination of Hunting Issues in a Western State
Stephen L. Eliason, Montana State University

3:00 P.M. – 3:30 P.M.

Journal of Rural Social Sciences Editorial Board

Palms Ballroom Salon F

4:00 P.M. – 6:00 P.M.

SAAS Business Meeting
Jasmine

Graduate Student Mixer
Poolside Pavilion
RURAL SOCIOLOGY

6:00 P.M. – Onward

SAAS Annual Super Bowl Party/Reception
NASCAR Sports Grille
(Continuous bus service starting at 5 pm)
Driving a personal vehicle is not recommended.
There will be a $15 parking fee assessed per vehicle.

MONDAY, FEBRUARY 4

7:45 A.M. – 3:00 P.M.

REGISTRATION
Palms Ballroom Foyer

8:00 A.M. – 9:30 A.M.

PAPER SESSION
Palms Ballroom Salon F

Political Economy and Inequality

Moderator:
Keiko Tanaka, University of Kentucky

Eliminating Organizational Friction, Dis-embedding Farmers: A Ten-Year Retrospective on (Organizational) Political-Economic Losses of Dakota Growers Pasta Cooperative
Thomas W. Gray, USDA/Rural Development

Patterns of Inequality in Federal Funding of U.S. Counties in the Post-Devolution Era
Danielle Deemer, The Ohio State University

Spatial Variation in Agricultural Farm Land Values in Kentucky
Buddhi R. Gyawali, Albert O. Assibey-Mensah and Marion Simon, Kentucky State University

Surviving the Tournament: Asset Specificity, Hold Up and Monopsony Opportunism in the Poultry Industry
Douglas H. Constance, Jason Konefal and Anthony, Rainey, Sam Houston State University

Returns to Education by Categories of Inequality, Including Rural Versus Urban Differences
Edward B. Reeves, Morehead State University

PAPER SESSION
Palms Ballroom Salon G

RURAL SOCIOLOGY

Rural Landscapes and Change

Moderator:
Kenneth L. Robinson, Clemson University

Toward a More Appealing Approach to Sustainable Living Education: Understanding and Overcoming Perceptions and Connotations Associated with Traditional Sustainable Living Terminology
Brooklynn J. Wynveen, Clemson University

Deciphering the Discourses: Exploring Perceptions Surrounding Homeowners’ Landscaping Practices
Jessica L. Gouldthorpe and Glenn Israel, University of Florida

Rural Resistance: Tactics, Strategy, and Will in the Global Arena
Nicholas Weitzel, Auburn University

Community Based Social Marketing, Cooperative Extension and Community Resiliency: An Innovative Approach to Preparing for Disasters in Rural Communities
Paul Monaghan, Dionne Banks and Tracy Irani, University of Florida

The Effect of Race in Agent/Clientele Homophily on Client Opinion about the Quality of Service in Cooperative Extension
Milton G. Newberry, III and Glenn D. Israel, University of Florida

9:30 A.M. – 9:45 A.M.

BREAK
Palms Ballroom Foyer

9:45 A.M. – 10:45 A.M.

PAPER SESSION
Palms Ballroom Salon F

Consumers, Marketing and Rural Businesses

Moderator:
Doug Constance, Sam Houston State University

An Analysis of the Impact of Selected Socioeconomic Factors on Financial Education
Nii O. Tackie and Judith N. Aboagy, Tuskegee University
**A Socio-Technical Look at Post-Production Agricultural Information Systems**  
Alicia Fisher, University of Kentucky

**Consumer Decision-Making Styles: Investigation of Food Shopping Behavior**  
Terrence Thomas, North Carolina A&T State University, Cihat Gunden, Ege University, Turkey, Bulent Miran, Ege University, and Murat Cankurt, Adnan Menderes University, Turkey

**PAPER SESSION**  
*Palms Ballroom Salon G*

Small and Immigrant Farm Issues

**Moderator:**  
Thomas W. Gray, USDA/Rural Development

An Examination of the Prospect of Linking Small Farmers with Food Banks and Other New Markets  
Kenneth L. Robinson, Clemson University

Developing Strategies for a Diversity of Small Farmers to Manage Their Risks  
Marion Simon, Buddhi Gyawali and Siddhartha Dasgupta, Kentucky State University

Social Capital and American Immigrant Farming Programs: Developing Social Networks, Agency, and Trust Among Immigrant Farmers and Local Food System Stakeholders  
Lisa S. Hightower, Kim L. Niewolny, Mark A. Brennan, R. Bruce Hull, Virginia Tech

11:15 A.M. – 12:45 P.M.

**SRSA AWARDS LUNCHEON AND PRESIDENTIAL ADDRESS**  
*Garden Room*

“Social Stabilization in the Twenty-First Century: The Role of Rural Communities”

**SRSA President:**  
Andrew A. Zekeri, Tuskegee University

1:00 P.M. – 2:30 P.M.

**PAPER SESSION**  
*Palms Ballroom Salon F*

Education, Extension and Rural Youth

**Moderator:**  
Jeff Dick, The Ohio State University

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**College Readiness for Rural Youth**  
Jason Hedrick, Mark Light and Jeff Dick, The Ohio State University

**Attraction and Retention of Young Adults in Rural Areas**  
Mark Light, Jason Hedrick and Jeff Dick, The Ohio State University

**Cultivating Change In/Through Cooperative Extension and the Farm to School Movement**  
Matthew C. Benson, Virginia Tech

**Working with Young Children Manifesting Challenging Behaviors: Training for Rural Childcare Providers**  
Donna Long, University of Maryland - Eastern Shore

**PAPER SESSION**  
*Palms Ballroom Salon G*

Food Security, Nutrition and Health

**Moderator:**  
Zacchaeus O. Ogunnika, Virginia State University

**Enhancing Community Food Security in Rural Appalachia: From the Bottom Up**  
Phil D’Adamo-Damery, Kim L. Niewolny, Nikki D’Adamo-Damery and Susan Clark, Virginia Tech

**Mothers as Consumers: Buying in to the Medical Definition of Childbirth**  
Michelle McGuckin and Jin Young Choi, Sam Houston State University

**Exploring Social Movements Online: An Analysis of Hyperlink Network Change of the Community Food Security Coalition**  
Gabriele Ciciurkaite, University of Kentucky

**Rural Environment and the Roles of Rural Parents in Childhood Obesity**  
Jin Young Choi, Sam Houston State University

2:30 P.M. – 2:45 P.M.

**Break**  
*Palms Ballroom Foyer*

2:45 P.M. – 4:00 P.M.

**PANEL DISCUSSION**  
*Palms Ballroom Salon F*
RURAL SOCIOLOGY

SECTION OFFICERS

2012-2013 SAAS
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OFFICERS

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TBA

PANEL DISCUSSION
Palms Ballroom Salon G

TBA

4:15 P.M. – 5:30 P.M.

SRSA GENERAL BUSINESS MEETING
Palms Ballroom Salon F

6:00 P.M. – 7:00 P.M.

SRSA PRESIDENTIAL RECEPTION
TBA

TUESDAY, FEBRUARY 5

8:00 A.M. – 9:30 A.M.

SRSA EXECUTIVE COUNCIL MEETING
TBA

Posters
Palms Ballroom Salon E

Immigrants, Gender, and Farming in the U.S.: A Mixed Method Study of Gender Roles Among Immigrant Farmers
Lisa S. Hightower, Virginia Tech

On Cue: Revisiting Open-ended Questions
Glenn Israel and Garnet C. Flecker, University of Florida

Promoting Rural Business through Digital Technology: The Case of the National E-Commerce Extension Initiative
Erica L. Odera, Alexa J. Lamm and Glenn D. Israel, University of Florida

Are Public Schools Addressing Food Insecurity in Food Deserts? A Case Study of One Urban Food Desert
Bethany P. Pratt, University of Kentucky
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2012-2013 SAAS
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RURAL SOCIOLOGY

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Secretary/Treasurer: James O. Bukenya, Alabama A&M University, Department of Agribusiness, P. O. Box 1042, Normal, AL 35762; Phone: 256.372.5729; Email: james.bukenya@aamu.edu; Fax: 256.372.5911

Past President: Thomas W. Gray, USDA, Rural Development Program on Cooperatives, Stop 3253, 1400 Independence Ave. S.W., Washington, DC 20250-3253; Phone: 202.690.3402; Email: thomas.gray@usda.gov; Fax: 202.690.2724

LIST OF MEETING ROOMS BY LOCATION

<table>
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<th>Room Type</th>
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<td>Palms Ballroom</td>
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<td>Palms Foyer</td>
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<tr>
<td>Floral Ballroom</td>
<td>Floral Ballroom - Jasmine</td>
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<tr>
<td></td>
<td>Floral Ballroom - Magnolia</td>
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<td></td>
<td>Floral Ballroom - Oleander A</td>
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<td></td>
<td>Floral Ballroom - Oleander B</td>
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<tr>
<td></td>
<td>Floral Foyer Hibiscus</td>
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<tr>
<td></td>
<td>Azalea Rooms (A &amp; B)</td>
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<tr>
<td>Citrus Ballroom</td>
<td>Citrus Ballroom - Orange</td>
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<tr>
<td></td>
<td>Citrus Ballroom - Lemon</td>
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<tr>
<td></td>
<td>Citrus Ballroom - Lime</td>
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<tr>
<td></td>
<td>Citrus Ballroom - Tangerine A</td>
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<td>Citrus Ballroom - Tangerine B</td>
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<tr>
<td></td>
<td>Citrus Foyer</td>
</tr>
<tr>
<td>Key Rooms</td>
<td>Key Rooms Largo</td>
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<td>Key Rooms Marathon</td>
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<td>Key Rooms Cedar</td>
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<td>Key Rooms Longboat</td>
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<td></td>
<td>Key Rooms Biscayne</td>
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<td></td>
<td>Key Rooms Siesta</td>
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<tr>
<td></td>
<td>Key Rooms Foyer</td>
</tr>
<tr>
<td>Executive Boardroom</td>
<td>Augustine’s Areas 1 &amp; 2</td>
</tr>
<tr>
<td>Garden Room</td>
<td>Poolside Pavilion and Pool</td>
</tr>
<tr>
<td>Hotel Lobby</td>
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</tbody>
</table>
ALPHABETICAL LIST OF ROOMS

Alphabetical listing
Augustine’s Grille – On site restaurant
Azalea Rooms (A & B) – Floral Ballrooms
Biscayne – Key Rooms (near Lobby)
Cedar – Key Rooms (near Lobby)
Citrus Foyer – Citrus Ballrooms corridor
Executive Boardroom – in hall near lobby
Floral Foyer – Floral Ballrooms corridor
Garden Room – Building behind Lobby
Hibiscus – Floral Ballrooms
Jasmine – Floral Ballrooms
Key Rooms Foyer – Key Rooms corridor
Largo – Key Rooms (near Lobby)
Lemon – Citrus Ballrooms
Lime – Citrus Ballrooms
Longboat – Key Rooms (near Lobby)
Magnolia – Floral Ballrooms
Marathon – Key Rooms (near Lobby)
Oleander A – Floral Ballrooms
Oleander B – Floral Ballrooms
Orange – Citrus Ballrooms
Palms Foyer – Palms Ballroom corridor
Poolside Pavilion and Pool – behind Lobby
Salon A – Palms Ballrooms (farthest from lobby)
Salon A/B Foyer – (farthest from lobby)
Salon B – Palms Ballrooms (farthest from lobby)
Salon C – Palms Ballrooms (farthest from lobby)
Salon D – Palms Ballrooms (farthest from lobby)
Salon E – Palms Ballrooms (farthest from lobby)
Salon F – Palms Ballrooms (farthest from lobby)
Salon G – Palms Ballrooms (farthest from lobby)
Salon H – Palms Ballrooms (farthest from lobby)
Salon I – Palms Ballrooms (farthest from lobby)
Siesta – Key Rooms (near Lobby)
Tangerine A – Citrus Ballrooms
Tangerine B – Citrus Ballrooms

WEATHER/ADA NOTE: This hotel is spread out over a large area and is undergoing construction in various areas. The meeting rooms are on the same grounds, however, it could be a several minute walk from your room to the meeting rooms. If weather is bad or you are not able to walk the distance, you can call the hotel for a ride and they will pick you up in a golf cart. Give them ample time to get to you as there may be others needing rides at the same time.

Hotel: 407-351-2420
Poster Demonstrations

All posters will be set up in
*Palms Ballroom*
*Salon E*

**Agricultural Communications**
Setup: Sunday 2 pm
Viewing: Sunday – 2:30 pm till taken down

**Agricultural Economics**
Viewing: Sunday – 2 pm – Tuesday 5 pm
Presentations: Tuesday 10:15am - Noon

**Agricultural Education**
Setup: Sunday
Presentations: Monday – 7 am – 8 am
Presentations: Tuesday – 7:30 am – 9:00 am

**Agronomy**
Sunday – 1 pm – 4 pm
Authors present Sunday 1-3 pm
Viewing: Monday – 8 am – noon

**Horticulture**
Set-Up: Sunday, 8:00 am –12:00 pm
Viewing: Sunday noon - Monday 10:30 am
Authors at Poster:
- Sunday, 1:00 - 2:30 pm even numbered posters
- Sunday, 2:30 - 4:00 pm odd numbered posters
Students in Competition at Poster:
- Sunday, 1:00 - 2:30 pm even numbered posters
- Sunday, 2:30 - 4:00 pm odd numbered posters
Take-down: Monday, 1:00 pm – 4:00 pm

**Rural Sociology**
Setup: Monday
Presentation: Tuesday – 8 am – 9:30 am
ANNUAL RECEPTION  
Sponsored by  

SOUTHERN FARM BUREAU LIFE  
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P.O. Box 31, Little Rock, AR 72203-0031  

Florida Farm Bureau Federation  
John Hodlick, President  
5700 SW 34th Street, Gainesville, FL 32608  

Georgia Farm Bureau Federation  
Zippy Duvall, President  
1620 Bass Road, Macon, GA 31210  

Kentucky Farm Bureau Federation  
Mark Haney, President  
P.O. Box 20700, Louisville, KY 40250-0700  

Louisiana Farm Bureau Federation  
Ronald Anderson, President  
P.O. Box 95005, Baton Rouge, LA 70895-9005  

Mississippi Farm Bureau Federation  
Randy Knight, President  
6311 Ridgewood Road, Jackson, MS 39215  

North Carolina Farm Bureau Federation  
Larry Wooten, President  
P.O. Box 27427, Raleigh, NC 27611-7427  

South Carolina Farm Bureau Federation  
David Winkles, President  
P.O. Box 754, Columbia, SC 29202  

Texas Farm Bureau  
Kenneth Dierschke, President  
P.O. Box 2689, Waco, TX 76702-2389  

Virginia Farm Bureau Federation  
Wayne F. Pryor, President  
P.O. Box 27552, Richmond, VA 23261  

Conference participants are encouraged to write and thank their state Federation for the support of the SAAS Social and Reception.

Southern Association of Agricultural Scientists

Future Meeting Dates & Locations

2014 – Dallas, Texas (Feb 01-04)  
2015 – Atlanta, Georgia (Jan 31-Feb 03)  
2016 – Jacksonville, Florida (Feb 06-09)  
2017 – Mobile, Alabama (Feb 04-07)  

SAAS website: www.saasinc.org