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

**For the Reception:**

**Southern Farm Bureau Life Insurance Company**
Mr. Larry B. Wooten, Chairman & President
1401 Livingston Lane - 39213-8098
P. O. Box 78
Jackson, Mississippi 39205
(601) 981-7422

**For printing of the programs:**

**LSU AgCenter**
101 Efferson Hall
Baton Rouge, LA 70803
(225) 578-4164
Email: brichardson@agcenter.lsu.edu

Conference participants are encouraged to thank the sponsors for their support of the SAAS.

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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
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SAAS PROGRAM

SAAS Registration
Sunday 8:00 am - 4:00 pm
Monday 8:00 am - 4:00 pm
Tuesday 8:00 am – Noon
Sheraton Hotel – Atrium Lobby

SAAS Opening Session and
General Business Meeting
Sunday, February 6
4:00 pm – 6:00 pm
Medical Forum Conference Center
Auditorium (2nd Floor)

“Super Bowl Party”
Come watch the game!
Sponsored by Southern Farm Bureau
Life Insurance Co.
Jackson, Mississippi and Affiliates
6:00 pm - Sunday, February 5
Offsite at Old Car Heaven
(Continuous bus service)

Executive Committee Meetings
Sunday, February 5
SAAS Board Meeting
2:30 pm – 3:30 pm
Medical Forum Conference Center Auditorium
(2nd Floor)

Tuesday, February 7
SAAS Board Breakfast Meeting
7:30 am – 9:30 am
Birmingham-Jefferson Convention Complex
Alabama Hall of Fame Boardroom
East Meeting Rooms Bldg (2nd Floor)

Meetings
Southern Multistate Research Committee
Sunday, February 5
1:00 pm – 4:00 pm
Birmingham-Jefferson Convention Complex
East Meeting Room J
(3rd Floor)
REGISTRATION INFORMATION

Fees: With the exception of Agronomy, please be prepared to pay registration fees by check or cash; we cannot accept credit cards. A receipt will be provided for reimbursement. Fees are association fees* + SAAS fee of $60 for faculty/professionals; $5 for graduate students; no SAAS fee for undergrads). *Check with your Association website or officers for registration fees.

Fees:

<table>
<thead>
<tr>
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<th>Ag Communications and Biochemistry &amp; Biotechnology</th>
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<td>Days, Time &amp; Specific Room</td>
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<td>Agron Hotel (1st floor) &amp; MFCC Medical Forum Bldg. (2nd floor)</td>
<td>Sunday – 10am-4pm Birmingham Prefunction</td>
<td>Monday – 7am-5pm Registration Room</td>
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<td>Animal Sci BJCC East Meeting Rooms Bldg. (3rd floor)</td>
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<td>Rural Soc BJCC East Meeting Rooms Bldg (1st floor)</td>
<td>Sunday – 7:45am-3:30pm Monday – 7:45am-3pm Ballroom Lobby</td>
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SAAS Academic Department Heads
Monday, February 6, 2012
7:00 to 9:00 a.m.

Birmingham-Jefferson Convention Complex
East Ballroom B (1st Floor)
Southern Association of Agricultural Scientists
Administrative Heads of Agriculture Section (AHS)

Monday, February 6
11:00 am – 3:00 pm

Administrative Heads of Agriculture Section (AHS) Meeting.
Lunch will be served.

Medical Forum Conference Center
Medical Forum F (2nd Floor)
AGRICULTURAL COMMUNICATIONS

SAAS Agricultural Communications Section
Annual Meeting
Birmingham, Alabama –February 4-7, 2012
Location: Medical Forum E
(Medical Forum Conf Ctr-2nd floor)

Sunday Feb 5

9 a.m.
Paper Session I

Welcome

Communication Audits: Adding Value and Social Impact to Agricultural Communications
Joy N. Goodwin, Andrea Davis, & Ricky W. Telg

Clients’ Perceptions of the Quality of Services Provided by Agricultural Communications Students in a Service Learning Project
Chase T. Hundley, Traci N. Rhodes, Jefferson D. Miller, & Kathleen Jogan

10:15 a.m. – Break

10:30 a.m.
Paper Session II

Information preferences of agronomic crop producers and crop consultants
K. Craig Gauthreaux & Michael J. Burnett

Opinions Of Florida Farm Bureau Federation Advisory Committee Members Regarding The Strength And Economic Development Of Their Communities
Lyndall Brezina

Perceptions on the Value of Membership in the Florida Cattlemen’s Association
Laura Kubitz, Avery Culbertson, & Tracy Irani

12 p.m. - Dutch-treat lunch (Location TBA)

1:30 p.m.
Paper Session III

The Influence of Selected Demographic Characteristics on the Reading Ability of Fourth Grade Students in Louisiana
Johnny Morgan

Experiential Learning through Visual Communications Curriculum in Secondary Schools
Kristin M. Pennington, Leslie D. Edgar, Don W. Edgar, Casandra Cox, & Beth Ann Bills-Hunt
2:30 p.m.
Poster session (set up at 2:00 PM)
Location: East Meeting Rooms Lobby, Birmingham-Jefferson Conf Ctr (3rd Floor)

4 p.m.
SAAS General Session/Business Meeting
Location: Auditorium, Medical Forum Conf Ctr (2nd Floor)
Distinguished Panel Discuss on 50 Years after Birmingham: Reflections on the Changes in the Conditions of People Especially in Rural Alabama

6:00 p.m.
SAAS Reception/Super Bowl Party
(Old Car Heaven – Off Site) Super Bowl Reception (continues buses to run from hotel to Old Car Heaven) Jambalaya to be cooked by Jambalaya Champion Byron Gautreau

Monday Feb 6

8:30 a.m.
Paper Session IV

Consumer Perceptions of the U.S. Agricultural Industry: A Study of Perceptions, Before and After Watching the Film Food, Inc.
Jessica Holt & Dwayne Cartmell

Media Dependency during a Food Safety Incident Related to the U.S. Beef Industry
Ashley D. Charanza & Traci L. Naile

An exploration of consumer perceptions of plants and plant characteristics
Kathryn L. Wilson & Carly Barnes

10 a.m. – Break

10:30 a.m.
Professional Development Session
TBA

12 p.m. - Lunch

1:30 p.m.
Business Meeting
AGRICULTURAL COMMUNICATIONS

Poster Session

Birmingham, Alabama –February 5, 2012
Location: East Meeting Rooms Lobby, Birmingham-Jefferson Conf Ctr

Innovative Idea Posters
1. Identifying Free Online Tools to Create Screencasts, Kelsey Fletcher & Courtney A. Meyers, Texas Tech University
2. Using Social Networks to Cultivate Blueberry Knowledge, Denise Attaway, Natalie Hummel, & Krisanna Machtmes, LSU AgCenter
3. Using Focus Groups to Evaluate Perceptions of Agriculture through the Web, Chase Hundley & Dr. Jeff Miller, University of Arkansas
4. Using Blogs to Advance Skills and Competencies in Graphic Design Courses, Traci Rhodes, Chase Hundley, & Leslie Edgar, University of Arkansas

Research Posters
1. External Branding Evaluation of a Public Organization in Natural Resources, Quisto Settle & Laura Kubitz, University of Florida

AGRICULTURAL COMMUNICATIONS

Poster Session

Birmingham, Alabama –February 5, 2012
Location: East Meeting Rooms Lobby, Birmingham-Jefferson Conf Ctr

Innovative Idea Posters
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Research Posters
2. External Branding Evaluation of a Public Organization in Natural Resources, Quisto Settle & Laura Kubitz, University of Florida
SAEA OFFICERS:
President: ……………..Darren Hudson
President-Elect: ……………..Parr Rosson
Director: ……………..Duncan Chembezi
Director: ……………..Jayson Lusk
Director: ……………..Marco Palma
Secretary: ……………..John VanSickle
Treasurer: ……………..Jeffrey L. Jordan
Past-President: ……………..Michael R. Reed
Editors: ……………..Mary Marchant and Darrell Bosch

Meeting room locations: Sheraton Birmingham Hotel and Medical Forum Conference Center (All are on 1st floor except Jefferson Boardrooms are on 2nd floor.)

SAEA Executive Committee
New Officer Orientation
Saturday, February 4, 2012, 5 p.m. – 7 p.m.
Sheraton Birmingham Hotel
Jefferson Boardroom 1

Saturday, February 4, 2012, 6 p.m. – 8 p.m.
Quiz Bowl Orientation and Refreshments
Sheraton Birmingham Hotel
Birmingham Ballroom I

Sunday, February 5, 2012, 8 a.m. – 4 p.m.
Quiz Bowl Competition
Sheraton Birmingham Hotel
Birmingham Ballroom I and IV

Quiz Bowl Break/Recruitment Fair,
10 am and 2 pm
Sheraton Birmingham Hotel
Birmingham Ballroom VII/VIII

Sunday, February 5, 2012, 8:30 a.m. – 2:30 p.m.
SAEA Executive Council
Sheraton Birmingham Hotel
Jefferson Boardroom 2

Sunday, February 5, 2012, Noon – 4 p.m.
Registration
Sheraton Birmingham Hotel
Birmingham Ballroom Vestibule

Sunday, February 5, 2012, 2 p.m. – 4 p.m.
Department Heads’ Meeting
Sheraton Birmingham Hotel
Birmingham Ballroom XII

Meeting room locations: Sheraton Birmingham Hotel and Medical Forum Conference Center (All are on 1st floor except Jefferson Boardrooms are on 2nd floor.)

SAEA Executive Committee
New Officer Orientation
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Sheraton Birmingham Hotel
Birmingham Ballroom Vestibule

Sunday, February 5, 2012, 2 p.m. – 4 p.m.
Department Heads’ Meeting
Sheraton Birmingham Hotel
Birmingham Ballroom XII
1. Assessing Irrigation Methods Based on Grapefruit Pack-Out in the Lower Rio Grande Valley
Mac Young & Steven Klose, Texas AgriLife Extension Service; Shad Nelson, TAMUK Department of Agricultural Economics, Texas A&M University System

2. Analyzing the Impact of Drought Conditions on Texas High Plains Agriculture
DeDe Jones and Gid Mayfield, Texas AgriLife Extension Service

3. Promoting Agri-tourism to High School Students: It Matters Where you Live!
Joseph Mehlhorn, Scott Parrott, Barbara Darroch and Doug Snider; University of Tennessee at Martin

4. Evaluating Implementation costs of selected water conservation policies in the Southern Ogallala Region
Rachna Tewari; Texas Tech University, Jeff Johnson; Texas Tech University, Stephen Amosson; Texas AgriLife Extension Service, Bill Golden; Kansas State University, Lal Almas; West Texas A&M University and Bridget Guerrero; Texas AgriLife Extension Service

5. Wheat Pasture Lease Rate Required to Offset the Added Cost and Lower Grain Yield from Grazing
Brandon Varner; Oklahoma State University, Francis Epplin; Dept. of Agric. Economics, Damona Doye; Oklahoma State University, Raymond Schatzer; Oklahoma State University and Jeffrey Edwards; Oklahoma State University
6. Winter Canola-Winter Wheat Rotation as an Alternative to Continuous Wheat
Andrew Griffith; Oklahoma State University, Joshua Bushong; Oklahoma State University, Thomas Peeper; Oklahoma State University and Francis Epplin; Dept. of Agric. Economics

7. Economic Feasibility of Sweet Sorghum and Biomass Sorghum for Biofuels Production in two Texas Regions
Stephen Amosson, Bridget Guerrero, Gopi Girase, Seong Park, Brent Bean, William Rooney, Jake Becker, Dustin Borden and Payne Burks, Texas A&M University

Yoji Kunimitsu, National Institute for Rural Engineering of NARO and Setsuko Nakata, NTC consultants co. ltd.

9. Developing an Institutional Framework for Analyzing the Economics of Conflict
Jens Engelmann and James Sterns, University of Florida

10. Trade Adjustment Assistance: 2010-11 Shrimp and Catfish Programs
Nathan P. Kemper and Ronald L. Rainey, Southern Risk Management Education Center, University of Arkansas Division of Agriculture

11. Expanding University Agriculture Student Leadership Development Through Arkansas Collegiate Farm Bureaus
Charles Stark and Paul Francis, University of Arkansas at Monticello

12. Forecasting Changes in Local Government Public Services in a Disequilibrium Environment Following Natural Disaster: A Community Impact Modeling Approach
Arun Adhikari and James Fannin, Louisiana State University Agricultural Center

13. Conventional vs. Transgenic: The Showdown
Robert Hogan and Jason Johnson, Texas A&M University

14. Profitability of Different Livestock Enterprise Budgets in West Central Texas
Molly Butler, Sierra Howry, Craig Leonard, A. Dean Monroe, Reagan Noland and Micheal Salisbury; Angelo State University
15. Groundwater Management by Integrating Water Quality Damages from Energy Crop Production
Naveen C. Adusumilli, M. Edward Rister, and Ronald D. Lacewell, Texas A&M University

16. Driving Forces of Income Growth in the Southeastern Region
Buddhi Gyawali, Swagata Banerjee and James Bukenya; Alabama A&M University

17. Assessing Students’ Subjective Knowledge of the Contents of Selected Meat Products
Kimona Smith, Markee Manning and Godfrey Ejimakor, North Carolina A&T State University

18. Real Time Ultrasounds Body Measurements Impacts on Replacement Heifer Price: The Kentucky Case
Kelsey Culp, Carter Mobley, Tyler Mark, and Ben Williamson, Morehead State University and Troy Wistuba, Novus International

19. Potential for Bio-oil Production in Kentucky
Amir Ahmadi and Tyler Mark, Morehead State University

20. Benefits to Econometric Forecasting Irrigation Water Demand: A Case Study in Alabama-Coosa-Tallapoosa (ACT) and Apalachicola-Chattahoochee-Flint (ACF) River Basin Crops in Alabama
Babatunde Obembe and Swagata Banerjee, Alabama A&M University

21. SAEA Outstanding Teaching of a Course Award
John Park, Texas A&M University

Monday, February 6, 2012, 8 a.m. – 5 p.m.
Registration
Sheraton Birmingham Hotel: Birmingham Ballroom Vestibule

Monday, February 6, 2012, 8 a.m. – noon
Quiz Bowl
Sheraton Birmingham Hotel: Birmingham Ballroom I and IV
Recruitment Fair
Sheraton Birmingham Hotel: Birmingham Ballroom VII/VIII
Title: Resource and Environmental Economics
Moderator: Kim Morgan, Mississippi State University

8:30 Effects of Demographics and Attitudes on WTP for Fuel Import Reductions through Ethanol Purchases
Kimberly Jensen, Christopher Clark and Burton English, University of Tennessee

8:50 Analyzing the Feasibility of Prairie Dog Hunting in the Northern Texas Panhandle
DeDe Jones and Gid Mayfield, Texas AgriLife Extension

9:10 Utility Rebates and Willingness-to-Pay for ENERGY STAR® Qualified Refrigerators
Xiaogu Li, North Carolina State University, Christopher Clark and Kimberly Jensen, University of Tennessee

9:30 The Cost of Energy from Coal: An Investigation of the Resource Curse in West Virginia
Nyakundi Michieka, West Virginia University

9:50 Economic Feasibility of Sustainable High Oilseed-Based Biofuel Production: The Case of Small Scale Producers in North Carolina
Anthony Yeboah, Cephas Naanwaab, Osei Yeboah, John-Paul Owens and Jarvetta Bynum, North Carolina A&T State University

Title: International Agriculture and Trade
Moderator: Dan Rainey, University of Arkansas

8:30 The Impact of NAFTA on U.S. Agricultural Commodity Trade: A Fresh Look at the Data, 1989-2010
Cephas Naanwaab and Osei Yeboah, North Carolina A&T State University

8:50 Exchange Rate Volatility and Bilateral Agricultural Trade Flows: The Case of the United States and OECD Countries
Kashi Kafle and P. Lynn Kennedy, Louisiana State University
Monday 8:30 A.M. – 10:10 A.M.
Selected Papers 3
SBH Birmingham Ballroom V/IX

Title: Agricultural Policy
Moderator; Josh Maples, Mississippi State University

8:30 Fertilizer Demand for Biofuel and Cereal crop Production in the United States
Kwame Acheampong and Michael Dicks, Oklahoma State University

8:50 Impact of Ethanol Production on the U.S. Gasoline Market
Hassan Marzoughi and P. Lynn Kennedy, Louisiana State University

9:10 Economic Impact of Recent Changes in the H-2A Labor Wage Rate
Blake Brown, NC State University

9:30 An Examination of How the Level of Yield Aggregation Impacts the Effectiveness of Area-based Insurance Designs
Yang Wang, Barry Barnett, Keith Coble and Ardian Harri, Mississippi State University

Eddie Chavez and Eric J. Wailes, University of Arkansas
Title: Rural and Community Development
Moderator: Rachael Carter; Mississippi State University

8:30 How Specialized is "too" Specialized?
Outmigration and Industry Diversification in Nonmetropolitan Counties across America
Ashley Jackson and Brian Whitacre, Oklahoma State University

8:50 Geographical Analysis of US Green Sector Industry Concentration
D. Register, Dayton Lambert, Burton English, Kimberly Jensen and Michael Wilcox, University of Tennessee

9:10 The Value of Transportation for Improving the Quality of Life for the Rural Elderly
Alicia Israel, Jim Mjelde, Rebekka Dudensing; Texas A&M University, Linda Cherrington, Texas Transportation Institute and Yanhong Jin, Rutgers University

9:30 Evaluating the Economic Impact of Festivals and Special Events: Lessons From the 32st Annual Peter Anderson Arts and Crafts Festival
Albert Myles and Rachael Carter, Mississippi State University

9:50 An Analysis of Farming in the Rural Economic Development of West Virginia
Saima Bashir, Lander University, Janaranjana Herath and Tesfa Gebremedhin, West Virginia University

Title: Marketing and Industrial Organization
Moderator: Forrest Stegelin, University of Georgia

8:30 Do Cotton Fiber Characteristics Offer Competitive Advantages During Times of High Cotton Fiber Prices?
Forrest Stegelin, University of Georgia

8:50 Coffee Differentiation: Demand Analysis at Retail Level in the USA Market
Carmen Alamo-Gonzalez and Jaime Malaga, Texas Tech University
Monday 8:30 A.M. – 10:10 A.M.
Selected Papers Session 6
MFCC Medical Forum D

Title: Food Consumption, Safety and Policy
Moderator: Arium Ishdorj, Texas A&M University

8:30 Obesity in Mexico: The Impact of Household Demographic
Angelica Serrano and Shida Henneberry, Oklahoma State University

8:50 Market Competitiveness and Demographic Profiles of Dairy Alternative Beverages in the United States: The Case of Soymilk
Senarath Dharmasena and Oral Capps, Texas A&M University

9:10 Consumers Willingness to Pay for Food Safety in Milk Products in the Black Sea Region, Turkey
Mehmet Bozoglu, Chung Huang and Wojciech Florkowski, The University of Georgia and Bakiye Kilic, Ondokuz Mayis University

9:30 Farm Product Liability Insurance: Factors Affecting Perceived Risk and Premiums
Kathryn Boys, Virginia Tech and Olga Isengildina-Massa, Clemson University

9:50 Willingness to Pay for Imported Beef and Risk Perception: An application of Individual-Level Parameter
Kar Ho Lim, Wuyang Hu and Leigh Maynard, University of Kentucky and Ellen Goddard, University of Alberta

9:10 Pricing Fed Cattle on a Grid: An Analysis of the Incentive Mechanism over Time
Scott Fausti, Matthew Diersen, Bashir Qasmi, Gerald Wang; South Dakota State University

9:30 Evaluating the Factors Influencing the Number of Visits to Farmers Markets
Francisco Abello, Marco Palma, Mark Waller and David Anderson, Texas A&M University

9:50 What Drives the Choice-Select Discount
Robert Hogan, Texas A&M University, Jared Carlberg, University of Manitoba, Clement Ward and Derrell Peel, Oklahoma State University
Title: Sustainable Agriculture Systems Research: A Southern SARE Video and Discussion
Moderator: Jeffrey Jordan, University of Georgia
Panelists: Lee Meyer, University of Kentucky
Douglas Constance, Sam Houston State University

10:10 a.m. – 10:30 a.m. BREAK: Refreshments served in the SBH Ballroom Vestibule area

Monday 10:30 A.M. – 11:45 A.M.
Selected Papers Session 7
SBH Birmingham Ballroom XII

Title: Farm Management
Moderator: Ross Pruitt, Louisiana State University

10:30 Simulation of Cattle Prices Sold at Auction in the Absence of a Market News Service
J. Pruitt and Hector Zapata, Louisiana State University

10:50 Economically optimal risk strategies for adopting new wheat varieties in the Texas High Plains and Rolling Plains
Seong Park, Texas AgriLife Research, Jaesung Cho, Cornell University, Stephen Amosson and Stan Bevers, Texas AgriLife Extension Service and Jackie Rudd, Texas AgriLife Research-Amarillo

11:10 Demographic Factors Affecting the Adoption of Multiple Value-Added Practices by Oklahoma Cow-Calf Producers
Brian Williams, Kellie Raper, Eric DeVuyst, Derrell Peel, David Lalman, Chris Richards and Damona Doye, Oklahoma State University

11:30 The Economics of Organic Versus Conventional Cow-calf Production
Jeffrey Gillespie, Louisiana State University Agricultural Center and Richard Nehring, USDA/ERS

Monday 10:30 A.M. – 11:45 A.M.
Selected Papers Session 8
SBH Birmingham Ballroom III

Title: Production Economics
Moderator: Jeffrey Gillespie, Louisiana State University
Monday 10:30 A.M. – 11:45 A.M.  
Selected Papers Session 9  
SBH Birmingham Ballroom V/IX

Title: Teaching  
Moderator: Albert Myles, Mississippi State University

10:30 Student Perceptions of Simulation Games and Training Software on Improving Course Learning Objectives and Career Preparedness  
Scott Parrott, Joseph Mehlhorn and Kelly Davidson, University of Tennessee at Martin

10:50 Do Men and Women Perform Differently on Different Types of Test Questions?  
Robert Burton, Abigail Jager and Alexi Thompson, Kansas State University

11:10 Developing Cross Disciplinary Skills Through an Undergraduate Research Project  
Joseph Mehlhorn, Jason Roberts, Amanda Cain and Scott Parrott, University of Tennessee at Martin

11:30 Filling the Gap: Exploring Internal Challenges and Opportunities to Successful Student Recruitment in Applied Economics Departments  
Kathryn Boys, Virginia Tech and Molly Espey, Clemson University
AGRICULTURAL ECONOMICS
Monday 10:30 A.M. – 11:45 A.M.
Selected Papers Session 10
SBH Birmingham Ballroom XI

Title: Agribusiness and Finance
Moderator: Ron Rainey, University of Arkansas

10:30 Agricultural Banking and Early Warning Models for the Bank Failures of the Late 2000s Great Recession
Xiaofei Li, Cesar Escalante, James E. Epperson and Lewell Gunter, University of Georgia, Athens

10:50 The Road to Financial Sustainability. Comparative Analysis of Russia and the Caucasus Region
Ganna Sheremenko, Cesar Escalante and Wojciech Florkowski, The University of Georgia

11:10 A Comparison of Consumers’ Willingness to Pay for Four Types of Sweeteners in Kentucky
Xueting Deng and Sayed Saghaian, University of Kentucky

11:30 Farmers’ Financing Constrains and Access to External Finance in a Post Crisis World: Evidence from New Farmers in Alabama
Valentina Hartarska and Denis Nadolnyak, Auburn University

AGRICULTURAL ECONOMICS
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Monday 10:30 A.M. – 11:45 A.M.
Selected Papers Session 11
MFCC Medical Forum C

Title: Agricultural Policy/Food Consumption, Safety and Policy
Moderator: Osei Yeboah, North Carolina A&T State University

10:30 What Are the Consequences of United States Government Slaughter Policies on Horse Prices?
Mallory Vestal, Jayson Lusk, Clement Ward and Eric DeVuyst, Oklahoma State University

10:50 Effects of Memory Decay on Consumer Confidence in the Safety of the United States Food System
Abhishek Bharad, Louisiana State University, Gustavo Ferreira, Virginia Tech and Wes Harrison, Louisiana State University

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Abhishek Bharad, Louisiana State University, Gustavo Ferreira, Virginia Tech and Wes Harrison, Louisiana State University
Monday 10:30 A.M. – 11:45 A.M.

Selected Papers Session 12

MFCC Medical Forum D

Title: Potpourri
Moderator: Jesse Tack, Mississippi State University

10:30 Understanding Point Source Abatement Cost and Preference for Trading Market Mechanism in the Kentucky River Watershed
Andrew Mclaughlin and Wuyang Hu, University of Kentucky

10:50 The Role of Underemployment in Employee’s Overall Job Satisfaction: The Alabama Case.
Sam Addy, Kilungu Nzaku and Ahmad Ijaz, The University of Alabama

11:10 Demand for Apparel Products among Chinese Consumers Using a Semi-parametric Two Step Procedure
Darren Hudson and Mouze Kebede; Texas Tech University

11:30 Characteristics of the Local Foods Consumer: A fresh look
Sara Williamson, The University of Kentucky, Stan Ernst, Ohio State, Tim Woods and Wuyang Hu, University of Kentucky

Monday, 11:45 noon – 1:15 p.m. 44th SAEA Annual Meetings Luncheon
MFCC Medical Forum J/K

Welcome
Darren Hudson, SAEA President

Presidential Address
Parr Rosson

Title: Potpourri
Moderator: Jesse Tack, Mississippi State University

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Monday, 11:45 noon – 1:15 p.m. 44th SAEA Annual Meetings Luncheon
MFCC Medical Forum J/K

Welcome
Darren Hudson, SAEA President

Presidential Address
Parr Rosson
Title: Economic Opportunities in Rural Communities
Organizer and Moderator: Mike Woods, Oklahoma State University

Presenters:
1. The Economic Impacts of Self-Employment
   Stephan Goetz and David Fleming, Pennsylvania State University
2. Agritourism as a Local Development Strategy
   Daniel Rainey, University of Arkansas
3. Broadband Adoption in Agriculture
   Alison Davis and Chris Jeffcoat, University of Kentucky

Title: Impacts of the Panama Canal Expansion on U.S. and Southern Agricultural Trade
Organizer and Moderator: Eric Wailes, University of Arkansas

Presenters:
4. Jason Bittner and Timothy Baird, University of Wisconsin, Effect of the Panama Canal Expansion on U.S. Grain Exports
5. Rafael Costa, John Robinson and Steve Fuller, Texas A&M University, The Impacts of Panama Canal Expansion on World Cotton Trade
6. Mickey Paggi, Fumiko Yamazaki and Srinivasa Konduru, California State University – Fresno, Panama Canal Expansion: Agricultural Benefits to a Limited Few?

Title: Legends vs. Quiz Bowl Champions
Organizer and Moderator: Jerrod Penn, University of Kentucky
AGRICULTURAL ECONOMICS

Annual Quiz Bowl Competition between the winners in the undergraduate competition and a group of legends from the SAEA membership

3:00 p.m. – 3:20 p.m. BREAK: Refreshments served in the SBH Ballroom Vestibule area

Monday 3:20 P.M. – 5:00 P.M.
Selected Papers Session 13
SBH Birmingham Ballroom IV

Title: Resource and Environmental Economics
Moderator: Matt Interis, Mississippi State University

3:20 Consumers’ Willingness to Pay for Bacteriophage Technology Treated Fresh Produce
Osei Yeboah, Cephas Naanwaab and Foster Kyei, North Carolina A&T State University

3:40 WATER USE EFFICIENCY AND MAXIMIZING PROFITABILITY OF GRAIN SORGHUM PRODUCTION IN THE TEXAS PANHANDLE
Aly Ahamadou, Lal Almas and Kathleen Brooks, West Texas A&M University

4:00 An Economic Assessment of Competing Technologies for Coastal Restoration
Hua Wang and Rex Caffey, Louisiana State University and Daniel Petrolia, Mississippi State University

4:20 Analysis of Participation in Multifunctional Agriculture: U.S. Rice Farms
Juan Tur Cardona, Eric J. Wailes, Bruce Dixon and Diana Danforth, University of Arkansas

4:40 The Impact of Precision Agriculture Techniques on Kentucky Grain Farmers’ Carbon Footprint
Rachael Brown, Carl Dillon, Jack Schieffer and Jordan Shockley, University of Kentucky

Monday 3:20 P.M. – 5:00 P.M.
Selected Papers Session 14
SBH Birmingham Ballroom III

Title: International Agriculture and Trade
Moderator: Saleem Shaik, North Dakota State University

3:20 Effects of Trade Openness on Productivity: The Case of African Countries
Osei Yeboah, North Carolina A&T State University, Saleem Shaik, North Dakota State University, Cephas Naanwaab and Akua Akuffo, North Carolina A&T State University
Monday 3:20 P.M. – 5:00 P.M.  
**Selected Papers Session 15**  
SBH Birmingham Ballroom V/IX

**Title: Production Economics**  
Moderator: John Michael Riley, Mississippi State University

3:20 **Economic Evaluation of Precision Fungicide Management for Strawberry Production in Florida**  
Ekaterina Vorotnikova, John VanSickle, Tatiana Borisova and Natalia Peres, University of Florida

3:40 **Causative factors for changes in total factor productivity of Japanese agriculture under the era of climatic uncertainty**  
Yoji Kunimitsu, National Institute for Rural Engineering

4:00 **Production Profitability of Ethanol from Alternative Feedstocks in the Texas Panhandle**  
Lal Almas, David Lust and Kathleen Brooks, West Texas A&M University

4:20 **Managing Nutrients for Switchgrass Produced in Phosphorus-Deficient Soils**  
Mohua Haque, Jon Biermacher and Maru Kering, The Samuel Roberts Noble Foundation, Inc. and John Guretzky, University of Nebraska Lincoln

4:40 **Economic Analysis of Strategies to Combat HLB in Florida Citrus**  
Abdul-Wahab Salifu, Thomas Spreen, Kelly Grogan and Fritz Roka, University of Florida
Title: Graduate Degrees in Agricultural Economics: Expectations and Preparation

Organizer and Moderator: Jerrod Penn, University of Kentucky

Presenters:
1. Lyudmyla Kompaniyets, Univ of Kentucky, Agricultural Economics or Other Pursuits
2. H. Mikael Sandberg, University of Florida, Preparing for and being successful in a graduate program
3. Jeffrey Gillespie, Louisiana State University, Graduate Committees, what are the gatekeepers to Grad School looking for?

3:00 p.m. – 3:20 p.m. Break: Refreshments served in the SBH Ballroom Vestibule area

Title: Rural and Community Development
Moderator: Olga Murova, Texas Tech University

3:20 MICRO-LEVEL ANALYSIS OF THE RELATIONSHIP BETWEEN ENTREPRENEURSHIP, EMPLOYMENT AND ECONOMIC GROWTH
Danyelle Starks and James Bukenya, Alabama A&M University

3:40 Predicting the Aggregate Economic Impact of Rural Community Events
Dipak Subedi, Bureau of Labor Statistics and Olga Murova, Texas Tech University

4:00 Efficiency Analysis of Rural Hospitals: Parametric and Nonparametric Approaches
I Cristian Nedelea and James Fannin, Louisiana State University Agricultural Center

4:20 Farm to School: Market Analysis
Cesar Escalante, Glenn Ames and Marissa Watson, University of Georgia
Exploring Variations in Income Growth in Southeastern United States
Buddhi Gyawali, Swagata Banerjee and James Bukenya, Alabama A&M University

The “Made in USA” poultry label and consumer choice in Ghana
Irene Egyir, University of Ghana, Kofi Adu-Nyako and Ralph Okafor, NCAT State university

Determining the Variation in Certified Preconditioning Premiums for Heifers and Steers
Stephanie Schumacher and Derrell Peel, Oklahoma State University

The Implicit Prices of Finfish and Shellfish Attributes and Retail Promotion Strategies: Hedonic Analysis of Weekly Scanner Data in the U.S. Southeast
Glen Gold and Sherry Larkin, University of Florida

Effect of individual and household specific variables on the choice of brands: Incorporating the Bayesian analysis into Random Utility Framework
Bahtiyar Babanazarov and Benaissa Chidmi, Texas Tech University

The Nature of the Pass-Through: The Case of Mayonnaise
Vardges Hovhannisyan, University of Wisconsin-Madison

Using Smart Phone and Tablet Technology to Enhance Extension Programs
Organizers: Jay Yates and Jackie Smith, Texas A&M University
Moderator: Jay Yates, Texas A&M University
AGRICULTURAL ECONOMICS

Presenters:
1. Jackie Smith, Texas A&M University
2. Larry Falconer, Texas A&M University
4. Gregg Ibendahl, Mississippi State University

Monday 3:20 P.M. – 5:00 P.M.
Organized Symposium 4
MFCC Medical Forum A

Title: When the Well Goes Dry: Addressing Drought Impacts On and Off the Farm
Organizer and Moderator: David Shideler, Oklahoma State University

Presenters:
1. David Anderson, Texas A&M University, Texas Drought Experience
2. Brad Watkins, University of Arkansas, Arkansas Spring Flood and Drought Experience
3. Ross Pruitt, Louisiana State University, Louisiana Drought Experience
4. Kurt Guidry, Louisiana State University, Estimating Drought Impacts in Louisiana
5. Larry Sanders, Oklahoma State University, Oklahoma Drought Experience and Policy

Monday 5:15 p.m. – 7:00 p.m.
SAEA Business Meeting and Awards Program
MFCC Auditorium

Monday 7:00 p.m. – 9:00 p.m.
Undergraduate Student Reception
Alabama Sports Hall of Fame

Tuesday, 8:00 a.m. – 5:00 p.m.
Registration
SBH Birmingham Ballroom Vestibule

Tuesday, 8:00 a.m. – 10:00 a.m.
Keynote Speaker Breakfast
MFCC Medical Forum J/K

A Debate: The ‘A’ in SAEA: Is it Applied or Agricultural?

Moderator: Darren Hudson, Mississippi State University

Participants:
Hal Harris, Clemson University
John Lee, Mississippi State University

AGRICULTURAL ECONOMICS

Presenters:
5. Jackie Smith, Texas A&M University
6. Larry Falconer, Texas A&M University
7. Job Springer, The Samuel Roberts Noble Foundation
8. Gregg Ibendahl, Mississippi State University

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MFCC Medical Forum J/K

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Moderator: Darren Hudson, Mississippi State University

Participants:
Hal Harris, Clemson University
John Lee, Mississippi State University
Title: Agricultural Commodities and Agribusiness Stocks as Financial Assets

Organizers: Hector Zapada, Louisiana State University and Gary Schnitkey, University of Illinois

Presenters:
1. Historical Performance of Commodity and Stock Markets
   Hector Zapada, Joshua Detre and Tatsuya, Louisiana State University
2. The Investment Performance of Agribusiness Companies
   Gary Schnitkey, University of Illinois
3. Trader Composition in Agricultural Futures Markets
   Scott Irwin, University of Illinois and Dwight Sanders, Southern Illinois University

Discussant: Wade Brorsen, Oklahoma State University

Title: Causes of Agricultural and Food Price Inflation and Volatility

Organizers: Andrew Muhammad, USDA Economics Research Service and Won Koo, North Dakota State University

Moderator: Won Koo, North Dakota State University

Presenters:
1. What Are the Major Factors Affecting Food Price Inflation?
   Won Koo, North Dakota State University and Jungho Baek, University of Alaska-Fairbanks
2. Disentangling Agricultural Commodity Price Volatility: The Role of Speculation and Demand Growth in Emerging Markets
   Lihong McPhail and Andrew Muhammad, USDA Economics Research Service, and Sheldon Du, University of Wisconsin
3. What Are the Major Factors Affecting Food Price Inflation?
   Won Koo, North Dakota State University and Jungho Baek, University of Alaska-Fairbanks
4. Disentangling Agricultural Commodity Price Volatility: The Role of Speculation and Demand Growth in Emerging Markets
   Lihong McPhail and Andrew Muhammad, USDA Economics Research Service, and Sheldon Du, University of Wisconsin
5. Evaluating the Causes of Rising Food Prices in Low and Middle Income Countries
Osei Yeboah, North Carolina A&T University and Saleem Shaik, North Dakota State University

Discussant: Norbert Wilson, Auburn University

Tuesday 10:15 a.m. – 12:00 noon
Lifetime Achievement Symposium
SBH Birmingham Ballroom I

2012 Award Winners
Francis Epplin, Oklahoma State University
Henry Kinnucan, Auburn University
Bruce McCarl, Texas A&M University

12:00 noon – 1:20 p.m.
Lunch Break

Tuesday 1:20 P.M. – 3:00 P.M.
Selected Papers Session 19
SBH Birmingham Ballroom IV

Title: Agribusiness and Finance
Moderator: Deacue Fields, Auburn University

Pablo García-Fuentes, Southeastern Louisiana University, Gustavo Ferreira, Virginia Tech and P. Lynn Kennedy, Louisiana State University

1:40 Financial and Marketing Performance of U.S. Multinational Agribusinesses: Foreign Direct Investment and Marketing Intensity
Pablo García-Fuentes, Southeastern Louisiana University, Gustavo Ferreira, Virginia Tech and P. Lynn Kennedy, Louisiana State University

2:00 Derivatives Use and the Performance of Agricultural Banks
Xuan Shen and Valentina Hartarska, Auburn University

2:20 Accruals Anomaly in Agriculture Financial Economics
Bruno Arthur, University of Kentucky

2:40 The Impact of Credit Constraints on U.S. Housing Price: Estimated by non-parametric approach
Yarui Li and David Leatham, Texas A & M University
AGRICULTURAL ECONOMICS

Tuesday 1:20 P.M. – 3:00 P.M.
Selected Papers Session 20
SBH Birmingham Ballroom XII

Title: Food Consumption, Safety and Policy
Moderator: Greg Fonsah, University of Georgia

1:20 Assessing Korean Consumers’ Valuation for Domestic and Imported Rice: Importance of Country of Origin and Food Miles Information
Doo Bong Han, Korea University; Rodolfo Nayga, University of Arkansas; Ji Yong Lee and Jong Min Yoon, Korea University

1:40 Analysis of Fruit Consumption in the U.S. with a Quadratic AIDS Model
Dawit Mekonnen, Chung Huang and Esendugue Fonsah, The University of Georgia

2:00 Disaggregation of Time in Household Food Production: Implications for the Goods-Time Elasticity of Substitution
Jeta Rudi, George Davis and Wen You, Virginia Tech University

2:20 Impact of the National School Lunch Program and the School Breakfast Program on Children’s Food Security
Xiang Gao, Ariun Ishdorj and Lindsey Higgins, Texas A&M University

2:40 At-Home Seafood Consumption in Kentucky: A Modified Hurdle Model Approach
Wei Wan and Wuyang Hu, University of Kentucky

AGRICULTURAL ECONOMICS

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Wei Wan and Wuyang Hu, University of Kentucky

Tuesday 1:20 P.M. – 3:00 P.M.
Selected Papers Session 21
SBH Birmingham Ballroom III

Title: Resource and Environmental Economics
Moderator: Susan Head, Mississippi State University

1:20 Analysis of Spatial Variation In Flood Risk Perception
Ajita Atreya and Susana Ferreira, University of Georgia

1:40 An Economic Risk Analysis of No-till Management for the Rice-Soybean Rotation System used in Arkansas
Tatjana Hristovska, Bradley Watkins and Merle Anders; University of Arkansas

2:00 An Economic Valuation of Pollination Services in Georgia
Ashley Barfield, John Bergstrom and Susana Ferreira, University of Georgia

Tuesday 1:20 P.M. – 3:00 P.M.
Selected Papers Session 21
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2:00 An Economic Valuation of Pollination Services in Georgia
Ashley Barfield, John Bergstrom and Susana Ferreira, University of Georgia
2:20 Natural Resource Rights in General Equilibrium
Henry Thompson, Auburn University

2:40 The Impacts of Climate Change on Agricultural Production in the Southeast U.S.
Jaehyuk Lee, Denis Nadolnyak and Valentina Hartarska, Auburn University

Tuesday 1:20 P.M. – 3:00 P.M.
Selected Papers Session 22
SBH Birmingham Ballroom V/IX

Title: Production Economics
Moderator: Lanier Nalley, University of Arkansas

1:20 Feasibility Assessment of Biomass Harvesting Cooperative
Arjun Basnet, Oklahoma State University

1:40 Fragmentation of Agricultural Land Parcels
Kalyn Neal, Damona Doye and Wade Brorsen, Oklahoma State University

2:00 Risk and Nitrogen Application Decisions in Florida Potato Production
Serhat Asci, Tatiana Borisova, John VanSickle and Lincoln Zotarelli, University of Florida

2:20 The Efficiency of The Transgenic Seed Technology: Frontier Analysis of the U.S. Corn Production under Climate Variability
John Wesley and Denis Nadolnyak, Auburn University

2:40 An estimation of the demand for dried distiller grains by the cattle feeding industry: a combination of survey methods and market projections
Darren Hudson, Donna Mitchell and Andrew Wright, Texas Tech University

Tuesday 1:20 P.M. – 3:00 P.M.
Selected Papers Session 23
SBH Birmingham Ballroom I

Title: International Agriculture and Trade
Moderator: James Bukenya, Alabama A&M University

1:20 Structural Reforms and Agricultural Export Performance: An Empirical Analysis
Dwi Susanto, Texas A&M University, Parr Rosson, Texas AgriLife Extension Service and Rafael Costa, Center for North American Studies
1:40 Economic Analysis of Fish Marketing in Central Uganda: Evidence from Traders Survey
James Bukenya, Alabama A&M University, Theodora Hyuha, Makerere University, Joseph Molnar, Auburn University and Julius Twinamasiko, Makerere University

2:00 Global Rice Trade and Asymmetric Trade Cost
Abhishek Bharad and Young-Jae Lee, Louisiana State University

2:00 Measuring the Stochastic Monetary Benefits of Multiple Inlet Irrigation in Arkansas Rice Production
Bradley Watkins, Tatjana Hristovska and Merle Anders, University of Arkansas

1:20 Measuring the Stochastic Monetary Benefits of Multiple Inlet Irrigation in Arkansas Rice Production
Bradley Watkins, Tatjana Hristovska and Merle Anders, University of Arkansas

Tuesday 1:20 P.M. – 3:00 P.M.
Organized Symposium 5
SBH Birmingham Ballroom XI

Title: Encouraging Excellence in Communication in Undergraduate Agribusiness Programs
Organizer and Moderator: Michael Gunderson, University of Florida

Presenters:
1. Michael Gunderson, University of Florida, Creating Meaningful Rubics
2. Vicky Salin, Texas A&M University, Using Technology and Peer Feedback to Manage Writing Assignments in Large Classes
3. Michelle Santiago, Sam Houston State University, Communication Across the Curriculum

Discussant: Agribusiness Human Resource Manager

Tuesday 1:20 P.M. – 3:00 P.M.
Selected Papers Session 24
MFCC Medical Forum A

Title: Farm Management
Moderator: Robert Stark, University of Arkansas at Monticello

1:20 Measuring the Stochastic Monetary Benefits of Multiple Inlet Irrigation in Arkansas Rice Production
Bradley Watkins, Tatjana Hristovska and Merle Anders, University of Arkansas
Richard Nehring, USDA/ERS, Jeffrey Gillespie, Louisiana State University Agricultural Center, Charlie Hallahan, USDA and Johannes Sauer, University of Manchester

2:00 Factors Affecting Adoption of Autosteer Technology among Cotton Farmers
Ashok Mishra, Jeremy D’Antoni and Rebekah Powell, Louisiana State University and Steven Martin, Mississippi State University

2:20 Health Insurance and Joint Off-Farm Labor Allocation Decisions of Farm Families
Jeremy D’Antoni and Ashok Mishra, Louisiana State University

2:40 Choice of Optimal Planting and Marketing Decisions for Fresh Vegetable Producers: A Mathematical Programming Approach
Michael Vassalos, Carl Dillon and Timothy Coolong, University of Kentucky

Tuesday 1:20 P.M. – 3:00 P.M.
Organized Symposium 6
MFCC Medical Forum C

Title: Economic Impacts of Dietary Guidelines on the South
Organizers: Ronald Knutson and Luis Ribera, Texas A&M University
Moderator: Ronald Knutson, Texas A&M University

Presenters:
1. Ronald Knutson, Texas A&M University, Nature of Dietary Guidelines and Their Importance as a Policy Change
2. Mechel Paggi, California State University, Fresno, Implications of Dietary Guidelines, 2010 for the Southwest
3. Luis Ribera and Henry Grant, Texas A&M University, Implications of Dietary Guidelines, 2010 for the Deep South
Title: Innovative Approaches to Retain and Sustain Young and Beginning Producers in Agriculture

Organizers: H. L. Goodwin and L. Paul Goeringer, University of Arkansas

Moderator: H.L. Goodwin, University of Arkansas

Presenters:
1. Derrell Peel, Oklahoma State University, Oklahoma Drought: Silver Lining for Young Producers?
2. Ashok Mishra, Louisiana State University, Technology Adoption Among YBPs and Profit
3. L. Paul Goeringer, University of Arkansas, Impact of a Potential Pilot Loan Program on the Profitability of YBPs

3:00 p.m. – 3:20 p.m. BREAK: Refreshments served in the SBH Ballroom Vestibule area

Title: Resource and Environmental Economics
Moderator: Matt Freeman, Mississippi State University

3:20 The Impact of Natural Amenity on Farmland Values: A Quantile Regression Approach.
Ashok Mishra and Hiroki Uematsu, Louisiana State University

3:40 The External Costs Of Wind Farm Development On the High Plains: Are Developers Making An Effort To Minimize These Costs?
Ryan Williams, Texas Tech University

4:00 Beach Quality and Recreational Values: A Pictorialized Stated Preference Analysis
Jerrod Penn and Wuyang Hu, University of Kentucky and Linda Cox and Lara Kozloff, University of Hawaii at Manoa

4:20 Climate Change Impacts on the Severity of Avian Influenza Outbreaks Using Hurdle Models of Count Data with Extra Zeros
Jianhong Mu and Bruce McCarl, Texas A&M University

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Jianhong Mu and Bruce McCarl, Texas A&M University
AGRICULTURAL ECONOMICS

4:40 Impact of Off-Farm Employment on Farmers’ Willingness to Grow Switchgrass and Miscanthus
Haluk Gedikoglu, Lincoln University of Missouri

Tuesday 3:20 P.M. – 5:00 P.M.
Selected Papers Session 26
SBH Birmingham Ballroom XII

Title: Production Economics
Moderator: Kalyn Coatney, Mississippi State University

3:20 Are Tomato-Spotted Wilt Virus Management Tactics Good Enough?
Sebastain Awondo, Esendugue Fonsah and David Riley, University of Georgia and
Mark Abney, North Carolina State University

3:40 Stochastic Frontier Analysis of Microbial Inoculation Input Usage in Apple Production
Holcer Chavez, Denis Nadolnyak and Joseph Kloepper, Auburn University

4:00 Factors Influencing Production Variability in Cow-Calf Operations in the Southeastern United States
Tracey Adkins and John Riley, Mississippi State University

4:20 Determining the Optimal Location for Collocating a Louisiana Sugar Mill and a New Cellulosic Ethanol Plant
Paul Darby, Louisiana State University, Tyler Mark, Morehead State University and Michael Salassi, Louisiana State University

4:40 Positive Externality Effects of Bt Toxin on Natural Refuge Crops in India
Rohit Singla, McGill University, Sukant Misra and Phillip Johnson, Texas Tech University and Anwar Naseem, McGill University

Tuesday 3:20 P.M. – 5:00 P.M.
Selected Papers Session 27
SBH Birmingham Ballroom III

Title: Agricultural Policy
Moderator: David Ubilava, Mississippi State University

3:20 An analysis of the feasibility of carbon management policies as a mechanism to influence water conservation using optimization methods
Darren Hudson and Andrew Wright, Texas Tech University
3:40 Analyzing Crop Revenue Safety Net Program Alternatives and Impacts on Producers and Program Costs
Jim Jansen, Bradley Lubben and Matthew Stockton, University of Nebraska-Lincoln

4:00 U.S. Tobacco Growers’ Concerns about the Impact of the FDA Regulation of Tobacco Products
Shiferaw Feleke, Jane Starnes and Kelly Tiller, University of Tennessee

4:20 Welfare Effects of Herbicide-Tolerant Rice Adoption in Brazil in the presence of IPRs
Fabrizio Galli, Rohit Singla and Anwar Naseem, McGill University

4:40 Impact of United States Corn-Based Ethanol Production on Land Use
Flakkeh Sobowale, Mike Dicks, Brian Adam and Jody Campiche; Oklahoma State University

Tuesday 3:20 P.M. – 5:00 P.M.
Selected Papers Session 28
SBH Birmingham Ballroom V/IX

Title: International Agriculture and Trade
Moderator: Young-Jae Lee, Louisiana State University

3:20 U.S. Citrus Import Demand: Seasonality and Substitution
Katherine Baldwin and Keithly Jones, USDA Economic Research Service

3:40 Innovation Systems and Technical Efficiency in Developing-Country Agriculture
David Spielman, International Food Policy Research Institute, Dawit Mekonnen and Esendugue Fonsah, The University of Georgia

4:00 What is the Difference in Profit per Acre between Organic and Conventional Coffee
Jennifer Jensen and Michael Dicks, Oklahoma State University

4:20 Export Demand Function Estimation for U.S. Raisins
Mohammad Soltani and Sayed Saghaian, University of Kentucky

4:40 Caribbean Food Import Demand: Influence of the Changing Dynamics of the Caribbean Economy
Lurleen Walters, Florida A&M University and Keithly Jones, USDA Economic Research Service

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Title: **Farm Management**

Moderator: Gregg Ibendahl, Mississippi State University

3:20 **The Connection Between Cash Rents and Land Values**
Gregory Ibendahl, Mississippi State University and Terry Griffin, University of Arkansas

3:40 **The effect of housing prices on Georgia farmland option values**
Anne Karner, University of Georgia

4:00 **Estimation of Farm-Forward Regional Economic Impacts for the North Plains Groundwater Conservation District**
Bridget Guerrero, Stephen Amosson, Dean McCorkle, Rebekka Dudensing and Daniel Hanselka, Texas A&M University, and Darren Hudson, Texas Tech University

4:20 **Farm-level Timeliness: Revisiting Days Suitable for Fieldwork and Crop Progress Timing relative to Global Climate Cycles in a Farm Management Context**
Terry Griffin, University of Arkansas and Tyler Mark, Morehead State University

4:40 **Spatial Considerations in the Production of Nonconventional Biomass for Biofuels in North Carolina**
Godfrey Ejimakor, Raphael Okafor and Kimona Smith, NC A&T State University

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Title: **Organized Symposium 8**

**MFCC Medical Forum C**

Title: **Graduate Students as Course Instructors – Is This the New Model for Graduate Programs in Agricultural and Applied Economics**

Organizer and Moderator: James Sterns, University of Florida

Participants:
1. Jennifer Tywman, University of Florida
2. Michael E. Wetzstein, University of Georgia
3. Gail L. Kramer, Louisiana State University
4. Michael Gunderson, University of Florida
Title: Opportunities and Challenges in Farming: Potential for Nontraditional Entrants

Organizer and Moderator: Mary Ahearn, USDA Economic Research Service

Presenters:
1. Kenret Jefferson-Moore, NC A&T
2. Valentina Hartarska, Auburn University
3. Tasha Hargrove, Tuskegee University
4. Ani Katchova, University of Kentucky

Discussant: Suresh Sureshwaran, USDA NIFA

Title: Cuba Prospects and Issues for Agricultural Trade

Organizer: Multistate Research Project S1043
“Economic Impacts of International Trade and Domestic Policies on Southern Agriculture”

Moderator: David Schweikhardt, Michigan State University

Presenters:
1. Cassandra Copeland, Oglethorpe University, Curtis Jolly and Henry Thompson, Auburn University, The History and Potential of Trade Between Cuba and the US
2. Flynn Adcock and Dan Hanselka, Texas A&M University, Economic Impacts of U.S. Exports to Cuba on the South

Discussants: Daniel Whitley, USDA Foreign Agricultural Service, and Andrew Schmitz, University of Florida

Tuesday 6:00 – 8:00 p.m.
SAEA Reception
McWane Science Center
Food, Drink and Access to the Museum included
Must Wear SAEA Name Badge to Enter the Reception

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AGRICULTURAL EDUCATION

Southern Region Conference
of the
American Association for
Agricultural Education

2012 PROGRAM

Held in conjunction with the meeting of the
SOUTHERN ASSOCIATION OF AGRICULTURAL
SCIENTISTS (SAAS)

Hosted by:
Department of Agricultural and Extension
Education
Virginia Tech

February 4 - 7, 2012 – Birmingham, Alabama
Birmingham-Jefferson Convention Complex

Southern Association of Agricultural Scientists
(SAAS)
Agricultural Education Division Officers
President and Conference Co-Chair: Tom
Broyles, Virginia Tech
Co-Chairs: Curt Friedel, Eric Kaufman,
Donna Moore,
Kim Niewolny, Rick Rudd, Virginia Tech
Vice-President: ,University of Florida
Past President: Don W. Edgar, University of
Arkansas

American Association for Agricultural Education
(AAAE)
Southern Region Officers
Vice-President: Tim H. Murphy,
Texas A&M University
Alternate Vice-President: Jason Peake,
University of Georgia
Secretary: David Jones,
North Carolina State University

Saturday, February 4
3:00 – 6:00 p.m.
Registration
Lobby - Sheraton Birmingham Hotel

Sunday, February 5
8:00 – 10:00 a.m.
Registration
Registration Room - Birmingham-Jefferson
Conference Center East Meeting Rooms (3rd Floor)
8:00 – 9:00 a.m.
Graduate Student Breakfast
(Preregistered students)
**VIP Room** – Birmingham-Jefferson Conference
Center East Meeting Rooms (3rd Floor)

9:15 – 9:45 a.m.
Vespers
**East Meeting Room F** - Birmingham-Jefferson
Conference Center (3rd Floor)

10:00 – 10:20 a.m.
Opening Session
**Auditorium** – Medical Forum Conference Center (2nd Floor)

10:30 – 12:00 p.m
Concurrent Research Session I

**Session A: Agricultural Mechanics**
**East Meeting Room D** - Birmingham-Jefferson
Conference Center (3rd Floor)

The Impact of a Semester-long Course in Agricultural
Mechanics on Pre-service Agricultural Education
Teachers’ Self-Efficacy and Knowledge
*Brian L. Leiby, J. Shane Robinson, James P. Key*

Biodiesel: Awareness and Perceptions of Agriculture
Students at Two Universities
*Dr. Donald M. Johnson, Dr. Don W. Edgar, and Dr. Leslie D. Edgar*

A Case Study of Authentic Assessment in a
Secondary Agricultural Mechanics Laboratory
*J. Joey Blackburn, Kathleen D. Kelsey*

Science and Stick Welding: A Case Study of Effective
Science Integration in a Traditional Agricultural
Education Program
*Phillip Witt, Joseph Barbour, Scott Burris,
Jonathan Ulmer, Steve Fraze*

**Session B: Post-Secondary Education**
**East Meeting Room F** - Birmingham-Jefferson
Conference Center (3rd Floor)

The Relationship between University Involvement
and Satisfaction Level of Community College
Transfer Students
*Rachel Bobbitt, Dr. Cindy Akers, Kim Peters, Dr. Todd Brashears, Lori Dudley and Corey Duysen*

FYI on the FYE: Undergraduate first-year
experiences in agricultural sciences
*Keyana C. Ellis, Dr. Eric K. Kaufman, Dr. Rick D. Rudd*
AGRICULTURAL EDUCATION

Investigating the Global Competence of Students Meeting Their International Dimension through Course Offerings: Implications for Improving Undergraduate Education in the College of Agriculture at [University]
Dr. Samba Moriba, Dr. M. Craig Edwards

An Examination of the Learning Activities, Cognitive Level of Instruction, and Teacher Immediacy Behaviors of Successful Instructors in a College of Agriculture
Christopher M. Estepp, Christopher T. Stripling, Nathan W. Conner, Aaron Giorgi, Dr. T. Grady Roberts

Session C: Technology & Globalization
East Meeting Room E - Birmingham-Jefferson Conference Center (3rd Floor)

An Analysis of Technologically Enhanced Learning Environments In The Agricultural Sciences
Antoine J. Alston, Jaron Jones, Chastity Warren English, and Godfrey Gayle

[State] Teachers’ Use of Interactive Whiteboards (IWBs) in the Secondary Agricultural Education Classroom: Measures of Teacher Innovativeness and
Mr. J. C. Bunch, Mr. Jeffrey H. Whisenhunt, Dr. J. Shane Robinson, Dr. M. Craig Edwards

Assessing the Impact of an International Experience on Distinguished Faculty’s Teaching Style and Technology Use in a College of Agriculture and Life Sciences
M'Randa R. Sandlin, Dr. Theresa Pesl Murphrey, Dr. James R. Lindner, Dr. Kim E. Dooley

Competencies and Experiences Needed by Preservice Agricultural Educators to Teach Globalized Curricula: A Modified Delphi Study
Nathan W. Conner, Dr. T Grady Roberts

12:00 – 1:30 p.m.
Luncheon
VIP Room - Birmingham-Jefferson Conference Center (3rd Floor)

1:30 – 2:30 p.m.
SIGs
East Meeting Room D - Birmingham-Jefferson Conference Center (3rd Floor)

2:30 – 3:30 p.m.
BREAK
East Meeting Rooms Lobby - Birmingham-Jefferson Conference Center (3rd Floor)

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2:30 – 4:00 p.m.
Research Poster Session
East Meeting Rooms Lobby - Birmingham-Jefferson Conference Center (3rd Floor)

[State] Secondary Teachers Perceptions of a Visual Communications Program Involving Curriculum and an Experiential Learning Activity
Beth Ann Bills-Hunt, Kristin M. Pennington, Leslie D. Edgar, Casandra Cox, Don W. Edgar,
University of Arkansas

A Descriptive Approach of Students’ Perspectives toward eLearning Courses
Travis Irby, Thomas Wynn, Robert Strong, Texas A&M University

Addressing the Divide: A Comparison of the Needs and Preferences of Small Farmers
Joy N. Goodwin, Jessica L. Gouldthorpe, Quisto Settle, University of Florida

Agricultural Education Program School Schedules in Relation to Classroom Instruction, FFA, and SAE
Rebekah Epps, Randy Adams, The University of Kentucky

An Assessment of a Visual Communications Program in [State] Secondary Agricultural Science Courses
Kristin M. Pennington, Leslie D. Edgar, Don W. Edgar, Casandra Cox, University of Arkansas

An Assessment of Pre-service Agricultural Educators’ Aptitude in Solving Contextualized Mathematics Problems
K. Trenton "Trent" Wells, Brian Parr, Auburn University

An Assessment of the Perceived Needs and Competencies of Florida Agriculture Teachers
Christopher M. Estepp, Andrew C. Thoron, T. Grady Roberts, University of Florida

An Investigation of Mathematics Coursework Requirements of Agricultural Teacher Education Programs
Christopher T. Stripling, T. Grady Roberts, University of Florida

Are They Competent? An Evaluation of University-Level Agriculture Students to Determine Levels of Agricultural Mechanics Knowledge
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Battle of the Sexes: Classroom Management among Preservice Teachers in Agriculture Education
Samantha Clark, Rebecca French, Stacy K. Vincent, University of Kentucky

Biodiesel: Awareness and Perceptions of Agriculture Students at Two Universities
Chris Hunt, Don Johnson, Don Edgar, Leslie Edgar, University of Arkansas

Birds of a Feather: Examining Youth Personality Styles in the Kentucky FFA Association
Andrea Kirby, Randy Adams, Stacy Vincent, University of Kentucky

Characteristics of Effective Cooperating Teachers: Teachers' Perceptions
Phillip Witt, Jonathan Ulmer, Misty Lambert, Texas Tech University

Cooperating Teachers’ Perceptions of the Commitment Level and Competencies of Student Teachers
Laura Lemons, Gaea Wimmer, Todd Brashears, Texas Tech University

Critical Thinking Dispositions of Georgia Agricultural Educators
Clarissa Parks, John C. Ricketts, Rachel Hendrix, Tennessee State University

Destination Critical Thinking: Differences in Critical Thinking in Pre and Reflection Exercises from International Travel
Brittany L. Adams, Nicole L. P. Stedman, University of Florida

Determining Middle School Teachers' Knowledge of [State] Performance Standards
Dennis Duncan, University of Georgia

Enhancing Teaching and Internationalization of Curricula in Agricultural Education through the use of RLOs: Faculty Perceptions and Best Practices
Theresa Pesl Murphrey, M’Randa R. Sandlin, James R. Lindner, Kim E. Dooley, Texas A&M University

Evaluation of Climate and Perceived Leadership in a Professional Agriculture Organization
Laura Lemons, Texas Tech University

Exploring Demographic Factors of Southern Region FFA Chapters as Compared to the Respective School and Community
Kate Wooten, Lori, L. Moore, John Rayfield, Texas A&M University
Exploring the Critical Thinking Skills of Undergraduate Students in Agricultural Leadership Courses
R. Martin Shaw, Gaea Wimmer, Courtney Meyers, Texas Tech University

International Acculturation: The Good, the Bad, and the Ugly
Katlyn Logan, Bryan Hains, University of Kentucky

Lessons Learned from 4-H Rural Youth Concerning Living Healthier Lifestyles
Paula Faulkner, Patricia Lynch, Kayla Brooks, North Carolina A&T State University

Mathematics Efficacy: An Investigation of Cooperating Teachers and Their Student Teaching Interns
Christopher Stripling, University of Florida

North Carolina Agriculture Teachers’ Perceptions about In-service Training Needs for the 21st Century
R. Jason Davis, K. S. U. Jayaratne, North Carolina State University

Perceptions of Inquiry-based Instruction: An Investigation of Agriscience Classrooms
Andrew C. Thoron, Eric D. Rubenstein, University of Florida

Safety Analysis of Post-Secondary Students Enrolled in Welding Courses: Does Past Experience Affect Safety Attitudes and Behaviors?
Matthew Shultz, Ryan Anderson, Shawn Anderson, Jonathan Velez, Iowa State University, Oregon State University

Student Competency Levels Entering Post-Secondary Introductory Agricultural Mechanics Courses
Dillon Campo, Matt Shultz, Ryan Anderson, Iowa State University

Student Perceptions of Agricultural Advocacy – A Mixed Methods Study
Chaney Mosley, Keyana Ellis, Eric Kaufman, Virginia Tech

Student Recruitment Process for Career and Technical Education
Amy Leavell, Katie Chapman, Stacy Vincent, University of Kentucky

Students’ Perceptions of Agriscience when Taught Through Inquiry-based Instruction
Andrew C. Thoron, Sarah E. Burleson, University of Florida
Taking the University to the People through Cowboy Churches
Katy Williams, Robert Strong, Landry Lockett, Texas A&M University

Teacher Attitudes toward the National Safe Tractor and Machinery Operation Program: Comparison by Gender, Competition, and Campus Location
Erin Fortenberry, Robert Williams, Texas A&M University – Commerce

The Impact of School Gardens on the Local School Community
Dennis Duncan, Jeremy Register, Frank Flanders, Teri Hamlin, The University of Georgia

The Status of State Curriculum Standards and Curriculum Decision Making
Joy Marshall, Michael Coley, Sara Brierton, Elizabeth Wilson, North Carolina State University

Universities Going Soft: Soft Skill Development in Undergraduates
Sarah Bush, McKenzie W. Smith, Nicole Perez Stedman, University of Florida

4:00 – 6:00 p.m.
SAAS General Session/Business Meeting
Auditorium - Medical Forum Conference Center (2nd Floor)

Distinguished Panel Discussion on
50 Years after Birmingham: Reflections on the Changes in the Conditions of People Especially in Rural Alabama

6:00 p.m.
SAAS Reception/Super Bowl Party
(Old Car Heaven – Off Site) Super Bowl Reception
(continuous buses to run from hotel to Old Car Heaven) Jambalaya to be cooked by World Champion Jambalaya Cook Byron Gautreau

Monday, February 6

8:00 – 10:00 a.m.
Registration
Registration Room - Birmingham-Jefferson Conference Center (3rd Floor)

8:30 – 10:00 a.m.
Concurrent Research Session II
Session D: Supervised Agricultural Experiences
East Ballroom A - Birmingham-Jefferson Conference Center (1st Floor)
AGRICULTURAL EDUCATION

Supervised Agriculture Experience Programs A
Demographic Analysis of the 2010 American FFA
Degree Applications
Eric Rubenstein, Dr. Brian Myers

Barriers to Conducting Supervised Agricultural
Experiences as Perceived by Pre-Service
Agricultural Education Teachers
J. Joey Blackburn, Dr. Jon W. Ramsey

An Assessment of Factors Influencing Texas
Students’ Participation in and Knowledge of
Supervised Agricultural Experience Programs
Lauren J. Lewis, Dr. John Rayfield, Dr. Lori Moore

Importance of Administrator Supervisory Practices in
the Non-formal Components of Agricultural
Education
Dr. Thomas H. Paulsen, Dr. Robert A. Martin

Session E: Classroom & Community Engagement
East Meeting Room D - Birmingham-Jefferson
Conference Center (3rd Floor)

What Influences Student Learning and Motivation?
An Exploratory Study Using the American
Psychological Association’s Learner-Centered
Psychological Principles
Dr. Cory Epler, Dr. Tiffany Drape, Dr. Rick Rudd

Sidewalks and City Streets: A Model for Vibrant
Agricultural Education in Urban American
Communities
Mr. Nicholas R. Brown, Dr. Kathleen D. Kelsey

The Land-Grant Mission and The Cowboy Church:
Diffusing University-Community Engagement
Katy Williams, Robert Strong, Landry Lockett,
William Brown

An Analysis of FFA Chapter Demographics as
Compared to Schools and Communities
Shannon Lawrence, Lori L. Moore, John Rayfield,
Corliss Outley

Session F: Preparing Confident Ag Educators
East Meeting Room E - Birmingham-Jefferson
Conference Center (3rd Floor)

Obtaining Critical Mass for the 21st Century Student:
Implications for Agricultural Education
Stacy K. Vincent & Bryan J. Hains

Using the Time Student Teachers Allocated to
Teaching Agriculture to Understand their Views on
Teacher Efficacy
Dr. Sheyenne Krysher, Dr. J. Shane Robinson, Dr.
M. Craig Edwards

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<thead>
<tr>
<th>Time</th>
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<td>10:00 – 10:30 a.m.</td>
<td>BREAK</td>
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<tr>
<td>10:30 – 11:45 a.m.</td>
<td>AAAE Business Meeting I</td>
<td>East Meeting Room D - Birmingham-Jefferson Conference Center (3rd Floor)</td>
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<td>Luncheon</td>
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<td>Innovative Poster Session</td>
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<td>Addressing College Readiness in Secondary</td>
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<td>Agricultural Education: Collaborating with Secondary Teachers to offer College Credit to High School Students</td>
<td>Brandon Wilson, Kimberly Bellah, Murray State University</td>
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<td>Agricultural IQ Scholarship Quiz for University</td>
<td>Joe Whinery, Robert Williams, Texas A&amp;M University – Commerce</td>
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<td>An Opportunity for County Extension Faculty to Enhance Teaching</td>
<td>R. Kirby Barrick, Amy M. Harder, Brian E. Myers, University of Florida</td>
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<td>Big Brother is Watching...Utilizing Split-screen Technology to Enhance Teacher Efficacy</td>
<td>Preston Byrd, Matt Shultz, Dustin Perry, Ryan Anderson, Iowa State University</td>
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<td>Kerry Priest, Kelsey Brunton, Curtis Friedel, Virginia Tech</td>
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Thomas Paulsen, Michael Retallick, Ryan Anderson, W. Wade Miller, Iowa State University

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J. Joey Blackburn, Jon W. Ramsey, Oklahoma State University

Enhancing Online Resources for Agricultural Teachers Through Path-Goal Leadership
Stephen W. Edwards, Eric K. Kaufman, Virginia Tech

Highlighting the Importance of Community Activities in Early Field Experience for Pre-Service Teachers
Brandi K. Phillips, Eric D. Rubenstein, Brian Myers, University of Florida

How Do Agricultural Education Departments Serve the Public Interest?
Robert Strong, Jeff Ripley, Jack Elliot, Texas A&M University

iLearn: Using Social Media to Restructure a Teaching Methods Course
T. Grady Roberts, Nathan W. Conner, Jessica Blythe, Christopher T. Stripling, University of Florida

Increasing Agricultural Literacy through North Carolina’s 10% Local Food Campaign
Kati Ingerson, K. S. U. Jayaratne, Nancy Creamer, Teisha Wymore, North Carolina State University

Industry at a Crossroads: Embracing Opportunities in Adult Agricultural Leadership Programming
Megan M. Seibel, Kelsey C. Brunton, Virginia Polytechnic Institute and State University

iPad Usage in Higher Education
Michael Coley, Joy M. Marshall, North Carolina State University

More than Meets the Eye: Embedded and Substitute Science Credit in [State] Agriscience
K. Trenton "Trent" Wells, Brian Parr, Auburn University

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Preparing Future Agriculture Teachers for STEM Integration
Hannah Scherer, Donna Westfall-Rudd, Virginia

Professional Development, Community Outreach, and Fundraising through an Annual Lawnmower Tune-up Clinic
Casandra Cox, Don Edgar, Leslie Edgar, Donald Johnson, Jefferson Miller, George Wardlow, University of Arkansas

Real Time Translation Using CTCSS Encoders for Outreach Programs
Kandy Rojas, Jose Lopez, Mario Villarino, Robert Williams, Texas A&M University – Commerce

Reducing School Liability by Incorporating Brake Activation Devices on Woodworking Equipment
Matt Shultz, Dustin Perry, Preston Byrd, Ryan Anderson, Iowa State University

Taking a Systems Approach to Sustainable Agriculture in a Beginning Hispanic Farmers and Ranchers Development Program
Teresa Duch-Cavallo, Mirian Ortez, Robert Williams, Texas A&M University - Commerce

Teaching Locally, Engaging Globally: Enhancing the Undergraduate Curriculum
Austen Moore, Amy Harder, T. Grady Roberts, Kim E. Dooley, Maria Navarro, Jessica Gouldthorpe, University of Florida, Texas A&M University, University of Georgia

Team Advising: New Path for Academic Scheduling
Rebekah Epps, Stacy K. Vincent, The University of Kentucky

The New SAE: Charting the Future for Experience Programs in School-based Agriscience Education
R. Kirby Barrick, Christopher M. Estepp, University of Florida

The Sixth Sense Developing an Agricultural Mechanics Laboratory Awareness
Dustin Perry, Preston Byrd, Matt Shultz, Ryan Anderson, Iowa State University

Training Cooperating Teachers to Use the Situational Leadership Model When Working with Student Teachers
Gaea Wimmer, Laura Lemons, Todd Brashears, Texas Tech University

Preparing Future Agriculture Teachers for STEM Integration
Hannah Scherer, Donna Westfall-Rudd, Virginia

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Rebekah Epps, Stacy K. Vincent, The University of Kentucky

The New SAE: Charting the Future for Experience Programs in School-based Agriscience Education
R. Kirby Barrick, Christopher M. Estepp, University of Florida

The Sixth Sense Developing an Agricultural Mechanics Laboratory Awareness
Dustin Perry, Preston Byrd, Matt Shultz, Ryan Anderson, Iowa State University

Training Cooperating Teachers to Use the Situational Leadership Model When Working with Student Teachers
Gaea Wimmer, Laura Lemons, Todd Brashears, Texas Tech University
Using a Digital Gaming Approach to Teach Animal Science Content to 21st Century Learners: Collaboration with Corporate America
J.C. Bunch, J. Shane Robinson, Oklahoma State University

Using a Learning Community for Continuous Improvement of an Agricultural Education Teacher Preparation Program
Sara D. Hurst, R. Kirby Barrick, Jessica Blythe, Sarah Burleson, Nathan W. Conner, Christopher M. Estepp, Aaron Giorgi, Brian E. Myers, T. Grady Roberts, Eric D. Rubenstein, Catherine Shoulders, Christopher T. Stripling, Andrew Thoron, University of Florida

Using Authentic Rubrics to Assess Technical Competencies in Agricultural Mechanics
Joey Blackburn, Shane Robinson, Oklahoma State University

Using Cognitive Style to Group Graduate Students in a Virtual Team Environment
Christy Witt, David Doerfert, Tracy Irani, Tracy Rutherford, Theresa Murphrey, Leslie Edgar, Don Edgar, Texas Tech University, University of Florida, Texas A&M University, University of Arkansas

Using Digital Classrooms to Conduct 4-H Club Meetings
Patricia West, Nicholas E. Fuhrman, A. Christian Morgan, Dennis W. Duncan, University of Georgia

Using New Technologies to Effectively Capture Scholarship Creativity and Save Time
Brittany R. Dees, Leslie D. Edgar, Don W. Edgar, University of Arkansas

Using Rubrics in Secondary Agricultural Mechanics Classes to Assess Students’ Performance in the Laboratory
Robert Ross, J. Shane Robinson, Oklahoma State University

Using Text Messages to Increase Student Engagement in the College Classroom
Nathan W. Conner, T. Grady Roberts, University of Florida

Utilizing Developmental Evaluation for Curriculum Rejuvenation
J. Joey Blackburn, Megan N. McCool, Kathleen D. Kelsey, Oklahoma State University

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J. Joey Blackburn, Megan N. McCool, Kathleen D. Kelsey, Oklahoma State University
**AGRICULTURAL EDUCATION**

Utilizing the Agricultural Experience Tracker as an Experiential Program Planning and Chapter Management Tool  
*Shannon Lawrence, John Rayfield, Texas A&M University*

5:30 – 8:30 p.m.  
DINNER  
McWane

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**Tuesday, February 7**

8:30 – 9:30 a.m.  
Concurrent Research Session III  

Session G: Experiential Learning  
**East Meeting Room E** - Birmingham-Jefferson Conference Center (3rd Floor)

**Effects of the Order of Abstraction and Type of Reflection on Content Knowledge When Teaching Experientially: An Exploratory Experiment**  
*Mr. Marshall A. Baker, Mr. Nicholas R. Brown, Mr. John J. Blackburn, Dr. J. Shane Robinson*

**Teachers’ Use of Experiential Learning Stages in Agricultural Laboratories**  
*Catherine W. Shoulders, Dr. Brian E. Myers*

**Teachers’ Perceptions Regarding Experiential Learning Attributes in Agricultural Laboratories**  
*Catherine W. Shoulders, Jessica M. Blythe, Brian E. Myers*

**Actual Versus Preferred Laboratory Classroom Practices: An Evaluation of the Effectiveness of Laboratory Classroom Teaching at the Post-Secondary Level**  
*Sarah E. Burleson, Dr. Brian Myers*

Session H: Ensuring Effective Agricultural Education Programs  
**East Meeting Room F** - Birmingham-Jefferson Conference Center (3rd Floor)

**Teachers’ Self-Perceptions of Retention and Attrition among Teachers of Agriculture**  
*Abby Tippens, Dr. John C. Ricketts, Dr. Maria Navarro, Dr. A. Christian Morgan, Dr. Frank Flanders*

**A Qualitative Analysis of [Southern State] Lateral Entry Teachers Perceived Ability to Lead Quality FFA Programs**  
*Justine C. Kinney, Wendy J. Warner, James L. Flowers, D. Barry Croom*  

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AGRICULTURAL EDUCATION

Preservice teachers’ perceptions of teaching assistants: Implications for teacher education
_Catherine W. Shoulders, Christopher T. Stripling, Christopher M. Estepp_

Investigating the Effects of a Math-Enhanced Agricultural Teaching Methods Course
_Christopher T. Stripling & Dr. T. Grady Roberts_

Session I: Assessing Perceptions & Beliefs

**East Meeting Room D** - Birmingham-Jefferson Conference Center (3rd Floor)

Assessing eLearning Courses from a Students’ Perspective: A Descriptive Approach
_Travis Irby, Thomas Wynn, Robert Strong_

What Do Teachers Believe? A Description of In-Service Teachers’ Epistemological Beliefs
_Dr. Cory Epler, Dr. Thomas Broyles, Dr. Donna Westfall-Rudd_

Perceptions of Academically or Intellectual Gifted Students Towards Agricultural Education
_Elisabeth Gray, Gary Moore, Elizabeth Wilson, Barbara Kirby_

The Effect of Learning Environment and Social Presence on Students’ Satisfaction with eLearning courses
_Robert Strong, Travis Irby, Thomas Wynn, Megan McClure_

9:30 - 10:00 a.m.
BREAK

**East Meeting Room F** - Birmingham-Jefferson Conference Center (3rd Floor)

10:00 – 11:15 am
Professional Development

**East Meeting Room F** - Birmingham-Jefferson Conference Center (3rd Floor)

11:30 – 1:30 p.m.
Awards Luncheon

**East Meeting Room N** - Birmingham-Jefferson Conference Center (3rd Floor)
1. Comparison of Nutrient Source and Forage Quality As It Relates to Microbial Survival in Fescue Soils. Rebecca Gilfillen¹, Kimberly Cook², Annesly Netthisinghe¹, Paul Woosley¹ and Gary Cundiff¹. (1) Agriculture, Western Kentucky University, Bowling Green, KY, (2) Agricultural Research Service, USDA-ARS, Bowling Green, KY.
2. Assessing the Structure and Membership of Soil Microbial Communities Cultivated Under An Industrial Poultry Production System. Raymon S. Shange* and Ramble O. Ankumah, Agricultural and Environmental Sciences, Tuskegee University, Tuskegee, AL.

3. Assessment of Non-Traditional Fertilizer Products, Inhibitors, and Enhancers in Mississippi. Davis R. Clark* and M. Wayne Ebelhar, Delta Research and Extension Center, Mississippi State University, Stoneville, MS.


5. Nutrient Removal by Switchgrass Harvested for Biofuel Production. Hubert Savoy*, Donald Tyler and Ryan Blair, (1)Biosystems Engineering and Soil Science, University of Tennessee, Knoxville, TN, (2)University of Tennessee - Knoxville, Jackson, TN.

6. Utilization of Annual Warm-Season Grasses As Biofuel Source and Feedstock by-Product. Rocky Lemus, Joshua A. White* and Jesse I. Morrison, Mississippi State University, Mississippi State, MS.

7. Effect of RyZup Smartgrass™ 40SG on Annual Ryegrass Production. Rocky Lemus*, Jesse I. Morrison and Scott Wright, Plant and Soil Sciences, Mississippi State University, Mississippi State, MS.

8. Preliminary Assessment of Dual Use Bioenergy-Forage Potential of Exotic and Native Grasses in Arkansas. David Burner*, USDA-ARS, Booneville, AR, David Belesky, USDA-ARS, Beaver, WV, Sarah
9. **Forage Production and Nutritive Value of Annual Ryegrass and Small Grain-Annual Ryegrass Mixtures in South Florida.** R. D. Hallworth*, J.M.B Vendramini¹, J.D. Arthington¹, Ann R. Blount² and A.D. Aguiar¹, (1)Range Cattle Research and Education Center, University of Florida, Ona, FL, (2)North Florida Research and Education Center, University of Florida, Marianna, FL


11. **Association of Aflatoxin Contamination with Physiological Responses of Corn Plants to Moisture Deficit and Heat Stress.** Hirut Kebede*, Hamed Abbas, Daniel K. Fisher and Nacer Bellaloui, USDA-ARS, Stoneville, MS.


13. **Effects of Chelating Agent's Application on Soybean Mineral Composition and Seed Protein, Oil, and Fatty Acids.** Manju Pande¹, Mudlagiri Goli¹ and Nacer Bellaloui², (1)Natural Sciences and Environmental Health, Mississippi Valley State University, Itta Bena, MS, (2)USDA-ARS, Stoneville, MS.

14. **Effects of Chelating Agent's Application on Soybean Mineral Composition and Seed Protein, Oil, and Fatty Acids.** Manju Pande¹, Mudlagiri Goli¹ and Nacer Bellaloui², (1)Natural Sciences and Environmental Health, Mississippi Valley State University, Itta Bena, MS, (2)USDA-ARS, Stoneville, MS.
14. Expanding the Production of Winter Canola in Alabama. Ernst Cebert* and Rufina Ward, Department of Natural Resources and Environmental Sciences, Alabama A&M University, Normal, AL.

15. Food-Feed-Fuel: A Closed Loop Model for Regional Sustainability. Ernst Cebert* and LaMar Hauck, Alabama A&M University, Normal, AL.

16. Influence of Irrigation Nitrate Crediting on Cotton Production and Residual Soil Nitrate in the Texas Rolling Plains. Danielle E. Dittrich*, Paul DeLaune2 and Frank Hons3, (1)Soil and Crop Sciences, Texas A&M University, College Station, TX, (2)Texas Agrilife Research-Vernon, Vernon, TX.

17. An International Survey of Soil Carbon and Nitrogen on Smallholder Farms. Jayme M. Oates*1, Wes Wood2, Brenda H. Wood3 and Bill Deutsch3, (1)Agronomy and Soils, Auburn University, Auburn University, AL, (2)Auburn University, Auburn University, AL, (3)Fisheries and Allied Aquaculture, Auburn University, Auburn University, AL.

18. Enzyme-Mediated Transformation of 17 Beta-Estradiol in Soil. Rashmi Singh* and Qingguo Huang, University of Georgia - Griffin, Griffin, GA.

19. Nitrogen Rate and Cultivar Effects on Switchgrass Biomass Production and Nutrient Removal. Ramdeo Seepaul*, Plant and Soil Sciences, Mississippi State University, Mississippi State, MS, Bisoondat Macoon, 1320 Seven Springs Road, Mississippi State University, Raymond, MS and K. Raja Reddy, Mississippi State University, Mississippi State, MS.

21. Evaluation of Winter Annuals for Biomass Production in Rotations with Traditional Summer Row Crops. Ping Huang* and David Bransby, Agronomy and Soils, Auburn University, Auburn, AL.

22. Impacts of Different System Variables on Delivered Price of Switchgrass Biomass. Nida Mckee¹, David Bransby² and Patricia Duffy³, (1) Agricultural Economics and Rural Sociology, Auburn University, Auburn, AL, (2) Dept. of Agronomy and Soils, Auburn University, Auburn, AL.

23. Assessment of Genetic Diversity in Napiergrass Using Cross-Species Microsatellite Markers From Pearl Millet. Raju Kandel¹, Hari P. Singh¹, Bharat P. Singh¹, Karen R. Harris-Shultz² and William Anderson², (1) Agricultural Research Station, Fort Valley State University, Fort Valley, GA, (2) USDA ARS, Tifton, GA.

24. Cultivar, Mowing Height, and Herbicide Effects on Bermudagrass (Cynodon dactylon) Suppression in Tall Fescue (Schedonorus phoenix). Dan Sandor* and Paul Woosley, Agriculture, Western Kentucky University, Bowling Green, KY.

25. Assessment of Genetic Diversity in Napiergrass Using Cross-Species Microsatellite Markers From Pearl Millet. Raju Kandel¹, Hari P. Singh¹, Bharat P. Singh¹, Karen R. Harris-Shultz² and William Anderson², (1) Agricultural Research Station, Fort Valley State University, Fort Valley, GA, (2) USDA-ARS, Tifton, GA.

26. Temperature Effects on Cotton Growth, Reproductive Performance and Fiber Quality. Suresh Lokhande* and K. Raja Reddy, Mississippi State University, Mississippi State, MS.

27. Evaluation of Various Types of Seed Treatment for Soybean Production in Kentucky. Susan P. Camp* and David L. Ferguson, Agricultural Science, Murray State University, Murray, KY.
28. Effect of Late Planting on Maturity Group VII and VIII Soybean Under Different Management Systems in South Carolina. Mengxuan Hu*, College of Agriculture, Forestry and Life Sciences, Clemson University, Clemson, SC and Pawel Wiatrak, Entomology, Soils, and Plant Sciences, Clemson University, Blackville, SC.

29. Optimizing Laccase Application to Facilitate Biodethatching. Sudeep Sidhu*, Paul Raymer, Qingguo Huang and Robert Carrow, University of Georgia - Griffin, GA.


31. Annual Ryegrass (Lolium multiflorum Lam.) Production and Quality As Influenced by Planting Date and Irrigation During Early Seedling Development. William B. Smith¹, Elizabeth A. Guertal², Edzard van Santen³, Russell B. Muntifering³ and Donald M. Ball⁴, (1) Dept. of Animal Sciences, Dept. of Agronomy & Soils, Auburn University, Auburn, AL, (2) Dept. of Agronomy & Soils, Auburn University, Auburn, AL, (3) Dept. of Animal Sciences, Auburn University, Auburn University, AL, (4) Alabama Cooperative Extension System, Auburn University, Auburn University, AL.

32. Influence of Transgenic (D4E1) and Non-Transgenic Cotton On Soil Phosphodiesterase Activity Over A Growing Period. Jamie S. Keith¹, LaKisha Odom², Raymon S. Shange¹ and Ramble Ankumah³, (1) Agricultural and Environmental Sciences, Tuskegee University, Tuskegee, AL, (2) Tuskegee University, Tuskegee, AL, (3) Agric. & Environ. Sciences, Tuskegee University, Tuskegee, AL.

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34. Influences of Synthetic Peptide D4E1 on Phosphomonoesterase Activity. Maya S. Scott*, LaKisha Odom, Raymon S. Shange1 and Ramble O. Ankumah2, (1) Agricultural and Environmental Sciences, Tuskegee University, Tuskegee, AL, (2) Tuskegee University, Tuskegee, AL.

35. Soil Responses to Farming Management Practices in Western Kentucky. Katie M. LeBlanc* and Lin Handayani, Hutson School of Agriculture, Murray State University, Murray, KY.

4:00 PM - 6:00 PM
SAAS General Session and Business Meeting
(Medical Forum Conference Center Auditorium) Distinguished Panel Discussion on 50 Years After Birmingham: Reflections on the Changes in the Conditions of People Especially in Rural Alabama

5:00 PM
Begin Transportation to Old Car Heaven for Reception/Super Bowl Party

6:00 PM
SAAS Reception (Old Car Heaven – Off Site)
Super Bowl Reception (continuous buses to run from hotel to Old Car Heaven) Jambalaya to be cooked by World Champion Jambalaya Cook Byron Gautreau.

Monday, February 6, 2012

7:55 AM - 10:00 AM
Graduate Student Oral Presentations - Soils
Medical Forum Conference Center, Medical Forum B (2nd Floor)

7:55 Introductory Remarks

8:00 Phosphorus Fraction Determination in a Long-Term No-Tillage System. Catherine Fleming* and Mark Reiter, Virginia Tech, Painter, VA.
8:15  Transformation of Sulfadimethoxine In Soil Mediated by Oxidoreductase Enzymes. Rashmi Singh* and Qingguo Huang, University of Georgia - Griffin, Griffin, GA.


8:45  Assessing the Effect of Broiler Litter Applications on Selected Soil Properties. Xiaojing Liu*, Lin Handayani2 and David Ferguson2, (1) Hutson School of Agriculture, Murray State University, Murray, KY, (2) Hutson School of Agriculture, Murray State University, Murray, KY.

9:00  Fertilizer Placement Effects on Nitrogen Uptake and Corn Grain Yield. Jon Carson*, Jac Varco, Darrin Roberts and Tyson Poulsen, Mississippi State University, Mississippi State, MS.

9:15  Nitrogen Loss Potential by Nitrification/Denitrification As Affected by N-Source in Rice. Paxton W. Fitts1, Timothy W. Walker1, Jennifer L. Corbin2, Jason krutz3, Bobby Golden2 and Jac Varco4, (1) Mississippi State University, Stoneville, MS, (2) Mississippi State University, Delta Research and Extension Center, Stoneville, MS, (3) USDA-ARS, Stoneville, MS, (4) Mississippi State University, Mississippi State, MS.

9:30  Temperature and Water Deficit Effects on Storage Root Initiation and Growth of Sweetpotato. Bandara Gajanayake*, K. Raja Reddy1, Mark Shankle2 and Ramon Arancibia3, (1) Plant and Soil Science, Mississippi State University, Starkville, MS, (2) Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS, (3) Pontotoc
10:00 Evaluation of Wildrye (Elymus spp.) As a Potential Forage and Conservation Planting for the Southeastern USA. Jason B. Rushing* and Brian S. Baldwin, Plant and Soil Sciences, Mississippi State University, Mississippi State, MS

10:15 Laccase Mediated Lignin Removal From Lignocellulosic Biomass for Bioethanol Production. Sudeep Sidhu* and Qingguo Huang, University of Georgia - Griffin, GA.

10:30 Controlling Goosegrass and Crabgrass in Pasture-Based Dairy Systems. Mark Freeman*, Crop and Soil Sciences, University of Georgia, Athens, GA and Nicholas Hill, 3111 Miller Plant Science Bldg, University of Georgia, Athens, GA.

10:45 Forage Quality Analysis of Annual Ryegrass Via Near Infrared Reflectance Spectroscopy. Hector M. Menendez III* and Robert A. Lane, Department of Agricultural and Industrial Sciences, Sam Houston State University, Huntsville, TX.

11:00 Alternative Nitrogen for Subsequent Southern Switchgrass Production Using Cool Season Legumes. Mitchell B. Holmberg*, J. Brett Rushing & Brian S. Baldwin. Plant & Soil Sciences, Mississippi State University, Mississippi State, MS.

11:15 Evaluation of Herbicide Tolerance in Rivercane (Arundinaria gigantea). David P. Russell II*, Diana Neal, Brian Baldwin and Tyler Sandlin, Plant and Soil Sciences, Mississippi State University, Mississippi State, MS.
11:30 Reflectance of Cotton Plants At Different Spatial Scales Related to Nitrogen (N) Treatments. Farrah Melissa Muharam*, Department of Plant & Soil Science, Texas Tech University, Lubbock, TX and Stephan Maas, Plant and Soil Science, Texas Tech University, Lubbock, TX.

11:45 Discussion

11:55 Adjourn for Lunch

1:25 – 4:00 pm Graduate Student Oral Presentations - Crops
Medical Forum Conference Center, Medical Forum B (2nd Floor)

1:25 Introductory Remarks

1:30 Iron Chelates and Supplements to Alleviate Iron Chlorosis in Soybean in High pH Soils. Audrey Gamble*, Auburn University, Auburn, AL.


2:00 Row Spacing Effects on Yield and Hybrid Growth for Mississippi Irrigated Corn Production. Tyson Poulsen*, Mississippi State University, Starkville, MS, Darrin Roberts, 32 Creelman St., Mississippi State University, Mississippi State, MS, Erick Larson, Mississippi State University, Mississippi State, MS, M. Wayne Ebelhar, 82 Stoneville Road, Mississippi State University, Stoneville, MS and Normie Buehring, Mississippi State University, Verona, MS.

2:00 Row Spacing Effects on Yield and Hybrid Growth for Mississippi Irrigated Corn Production. Tyson Poulsen*, Mississippi State University, Starkville, MS, Darrin Roberts, 32 Creelman St., Mississippi State University, Mississippi State, MS, Erick Larson, Mississippi State University, Mississippi State, MS, M. Wayne Ebelhar, 82 Stoneville Road, Mississippi State University, Stoneville, MS and Normie Buehring, Mississippi State University, Verona, MS.
2:15 **Determination of Differences in Corn Biomass and Nitrogen Uptake At Various Growth Stages Using Spectral Vegetation Indices.** Miguel Torino¹, Brenda V. Ortiz¹, Kipling Balkcom², John Fulton³ and Wes Wood¹, (1) Agronomy and Soils, Auburn University, Auburn, AL, (2) USDA ARS, Auburn, AL, (3) Biosystems Engineering, Auburn University, Auburn, AL.

2:30 **Effects of Planting Date and Variety Selection on Winter Wheat Yield in Alabama.** Mathew Tapley*, Brenda V. Ortiz and Edzard V. van Santen, Agronomy and Soils, Auburn University, Auburn, AL.

2:45 **In Situ Degradation Kinetics of Inoculant Treated Sorghum Silage.** Martha E. Thomas¹, Jamie Foster², Kimberly C. McCuistion³, Larry Redmon⁴ and Russell Jessup⁵, (1) Department of Soil and Crop Sciences, Texas A&M University, College Station, TX, (2) Soil and Crop Science, Texas A&M University, college station, TX, (3) King Ranch Institute for Ranch Management, Kingsville, TX, (4) Texas A&M University, College Station, TX.

3:00 **Constitutive Expression of a Plasma Membrane Protein Gene, SaPMP3, From Spartina Alterniflora L. Enhances Salinity Tolerance of Rice (Oryza sativa L.).** Hanamareddy Biradar*, Ratna Karan, Niranjan Baisakh and Prasanta Subudhi, School of Plant, Environmental, and Soil Sciences, Louisiana State University, Baton Rouge, LA.

3:15 **The Impacts of Nitrogen and Potassium Fertilization on Rice Lodging.** Jennifer L. Corbin¹, Timothy W. Walker², Paxton W. Fitts² and Dustin Harrell³, (1) Delta Research and Extension Center, Mississippi State University, Stoneville, MS, (2) Mississippi State University, Stoneville, MS, (3) Louisiana State University Ag Center, Baton Rouge, LA.

3:30 Break

2:15 **Determination of Differences in Corn Biomass and Nitrogen Uptake At Various Growth Stages Using Spectral Vegetation Indices.** Miguel Torino¹, Brenda V. Ortiz¹, Kipling Balkcom², John Fulton³ and Wes Wood¹, (1) Agronomy and Soils, Auburn University, Auburn, AL, (2) USDA ARS, Auburn, AL, (3) Biosystems Engineering, Auburn University, Auburn, AL.

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3:30 Break
3:45 – 4:45 pm Professional Oral Presentations - Soils
Medical Forum Conference Center, Medical Forum B (2nd Floor)


4:00 Long-Term Effects of Poultry Litter, Alum-Treated Litter and Ammonium Nitrate on Trace Metal Availability in Soils. Philip A. Moore, Jr.*, USDA/ARS, Fayetteville, AR.


4:45 Variation in Phosphorus Index Values Associated with Differing Methods for Estimating Slope and Transport Parameters. Hal Liechty*, School of Forest Resources, University of Arkansas at Monticello, Monticello, AR and Cara Hastings, School of Forest Resources, University of Arkansas at Monticello, Monticello.

5:00 Discussion

5:10 Break

5:15 Southern Branch ASA Business Meeting

Tuesday, Dec. 7, 2012

8:00 – 12:00 am Professional Oral Presentations – Soils & Crops
Medical Forum Conference Center, Medical Forum B (2nd Floor)
8:00  Effects of Long Term No-Tillage and Reduced-Tillage on Nutrient Stratification.  
John Kruse*, LSU Agricultural Center - Dean Lee Research Station, Alexandria, LA.

8:15  Peanut Cultivar Response to Calcium Amendment.  John P. Beasley Jr.*¹,  
Glendon H. Harris Jr.¹ and Julie A. Howe²,  
(1) Crop and Soil Sciences Department, University of Georgia, Tifton, GA, (2) 
Agronomy and Soils, Auburn University, Auburn, AL.

8:30  Effect of Fertilizer Enhancers in Forage Bermudagrass Production.  Rocky Lemus,  
Jesse I. Morrison*, Jac Varco and David Lang, Plant and Soil Sciences, Mississippi 
State University, Mississippi State, MS.

8:45  Evaluation of Polymer Coated Urea as an Alternative N Source for Cotton.  Bobby R. 
Golden*, Delta Research and Experiment Station, Mississippi State University, 
Stoneville, MS and M. Wayne Ebelhar, 82 Stoneville Road, Mississippi State University, 
Stoneville, MS.

9:00  Economic Sensitivity Analysis of a Switchgrass Biomass Production and 
Supply System.  David Bransby*, Dept. of Agronomy and Soils, Auburn University, 
Auburn University, AL.

9:15  Using Gaming to Develop Forage Systems for Pasture-Based Dairies.  Nicholas Hill*,  
Dennis Hancock and David Kissel, 3111 Miller Plant Science Bldg, University of 
Georgia, Athens, GA.

9:30  Nitrogen Rates for Wheat with and without Fall Tillage.  Kipling S. Balkcom*, USDA 
ARS, Auburn, AL and Charles H. Burmester, Auburn University, Auburn, AL.

9:45  Discussion

9:50  Break

10:00 Reducing Irrigation in Container Crop Production Using Soil Moisture Sensors.  
Sheryl Wells* and Matthew Chappell, University of Georgia, Athens, GA.
10:15  Modeling Probability of Corn Aflatoxin Using a Drought Index in South Georgia. Brenda V. Ortiz*, Agronomy and Soils, Auburn University, Auburn, AL, Arnold Salvacion, Auburn University, Auburn University, AL, Brian Scully, P.O. Box 748, USDA-ARS, Tipton, GA and Clyde Fraisse, Biological and Agricultural Engineering, University of Florida, Gainsville, FL.

10:30  Impact of Corn Planting Date on Yield, Growth, and Management. Jason Kelley*, Crops, Soils and Environmental Science, University of Arkansas Division of Agriculture Extension, Little Rock, AR, Mike Duren, Northeast Research and Extension Center, University of Arkansas, Keiser, AR, Bill Apple, Lon Mann Cotton Research Station, University of Arkansas, Marianna, AR and Scott Hayes, Southeast Research and Extension Center, University of Arkansas, Rohwer, AR.

10:45  Planting Date Effects for Irrigated Corn in the Mississippi Delta. M. Wayne Ebelhar* and Davis R. Clark, Delta Research and Extension Center, Mississippi State University, Stoneville, MS.

11:00  Single-Row Vs Twin-Row Corn Production - Seeding Rates and Nitrogen Rates. M. Wayne Ebelhar* and Davis R. Clark, Delta Research and Extension Center, Mississippi State University, Stoneville, MS.

11:15  Evaluation of Optical Sensing and Clemson Algorithm to Improve Side-Dress N Rate for Corn Under Different Soil Zones in South Carolina. Pawel Wiatrak* and Ahmad Khalilian, School of Agricultural, Forest, and Environmental Sciences, Clemson University, Blackville, SC.

11:30  Field Harvested Maize Root System Architecture Comparisons Under Different Treatments and Tillage Conditions Using Soft-Tissue X-Ray Imaging. Daniel W. McDonald*, Ronald Michaels¹, Robert J. Kodrzycki², Nancy West¹ and Timothy Carter¹, (1) Phenotype Screening Corporation, Knoxville, TN, (2) Encompass Biotech, Summerville, SC.

11:45  Discussion

11:50  Adjourn 64
**AMERICAN SOCIETY OF ANIMAL SCIENCE**

**SOUTHERN SECTION**
American Society of Animal Science

**ANNUAL MEETING**

February 4–7, 2012
Birmingham, Alabama

In conjunction with the 109th Annual Convention
of the Southern Association of Agricultural
Scientists

**AMERICAN SOCIETY OF ANIMAL SCIENCE**

**OFFICERS - 2011–2012**

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<td>Dr. Debra K. Aaron</td>
<td>Director</td>
<td>University of Kentucky</td>
<td>Lexington, KY</td>
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<tr>
<td>Dr. Neil R. Merchen</td>
<td>Program Chair, Midwestern Section</td>
<td>University of Illinois</td>
<td>Urbana, IL</td>
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ASAS SOUTHERN SECTION OFFICERS
2011–2012

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College Station, TX

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Stillwater, OK
The Southern Section of the American Society of Animal Science expresses appreciation to the following organizations for financial assistance:

**Swine Industry Award for Innovation**
National Pork Board
Des Moines, IA

**Young Animal Scientist – Research**
Elanco Animal Health
Greenfield, IN

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

**Young Animal Scientist – Education**

**Undergraduate Paper Competition**

**Graduate Student Awards Competition**

**PROGRAM EVENTS**

**Friday, February 3**
Academic Quadrathlon (AQ)
9:00 PM Advisors Meeting
Holiday Inn Express
Auburn, AL

**Saturday, February 4**
AQ Lab Practicum and Written Exam
Auburn University
Auburn, AL

**Sunday, February 5**
AQ Oral Preparation
6:30 AM–noon
BJCC (3rd Floor)
East Meeting Rooms G, H, I, J

AQ Oral Presentation
8:00 AM–noon
BJCC (3rd Floor)
East Meeting Room L

AQ Quiz Bowl
8:00 AM–1:00 PM
BJCC (3rd Floor)
East Meeting Room O
ANIMAL SCIENCE

AQ Quiz Bowl Championship/Awards and Awards Program
8:00 AM–4:00 PM
BJCC (3rd Floor)
East Meeting Room N

SCC 81: Sustainable Small Ruminant Production IEG
8:30 AM–4:00 PM
BJCC (3rd Floor)
East Meeting Room K
Registration
11:00 AM–4:00 PM
BJCC (3rd Floor)
Registration Room

SCC 72: Enhancing Reproductive Efficiency in Cattle IEG
1:00 PM–4:00 PM
BJCC (3rd Floor)
East Meeting Room O

SERA 41: Beef Cattle Production Using Forages in the Southeast
1:00 PM–4:00 PM
BJCC (3rd Floor)
East Meeting Room G
SAAS Board Meeting
2:30 PM–3:30 PM
MFCC (2nd Floor)
Auditorium

SAAS General Session/Business Meeting
4:00 PM–6:00 PM
MFCC (2nd Floor)
Auditorium
Distinguished Panel Discussion on 50 Years after Birmingham: Reflections on the Changes in the Conditions of People Especially in Rural Alabama
6:00–till
SAAS Reception

SS-ASAS Advisory Committee and Executive Committee
6:00 PM–8:00 PM
Sheraton Birmingham Hotel
Jefferson Boardroom 2

SAAS Reception/Super Bowl Party
6:00 PM–10:00 PM
(Old Car Heaven – Off Site) Super Bowl Reception
(continuous buses to run from hotel to Old Car Heaven) Jambalaya to be cooked by World Champion Jambalaya Cook
Byron Gautreau.

ANIMAL SCIENCE

AQ Quiz Bowl Championship/Awards and Awards Program
8:00 AM–4:00 PM
BJCC (3rd Floor)
East Meeting Room N

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Byron Gautreau.
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
BJCC (3rd Floor)
Registration Room

SS-ASAS Coffee Break
9:30 AM–10:30 AM

SS-ASAS Business Meeting and Awards Ceremony
5:00 PM–7:00 PM
BJCC (3rd Floor)
East Meeting Room N

Small Ruminant Subcommittee of the NAGP
7:00 PM–9:15 PM
BJCC (3rd Floor)
East Meeting Room O

**Tuesday, February 7**
SAAS Board Breakfast Meeting
7:00 AM–10:00 AM
BJCC (2nd Floor)
Hall of Fame Board Room

Registration
8:00 AM–noon
BJCC (3rd Floor)
Registration Room

Graduate Student Luncheon
noon–2:00 PM
BJCC (3rd Floor)
East Meeting Room H

Extension Luncheon
noon–2:00 PM
BJCC (3rd Floor)
VIP Room

Registration
7:30 AM–4:00 PM
BJCC (3rd Floor)
Registration Room

SS-ASAS Coffee Break
9:30 AM–10:30 AM

SS-ASAS Business Meeting and Awards Ceremony
5:00 PM–7:00 PM
BJCC (3rd Floor)
East Meeting Room N

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7:00 PM–9:15 PM
BJCC (3rd Floor)
East Meeting Room O

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Registration
8:00 AM–noon
BJCC (3rd Floor)
Registration Room

Graduate Student Luncheon
noon–2:00 PM
BJCC (3rd Floor)
East Meeting Room H

Extension Luncheon
noon–2:00 PM
BJCC (3rd Floor)
VIP Room
Monday, February 6

Opportunities for Stocker Cattle in the Southern U.S.

Chair: Justin Rhinehart, University of Tennessee
BJCC (3rd Floor) East Meeting Room K

8:00 AM  Introduction.
J. D. Rhinehart, University of Tennessee.

8:15 AM  Economics of the stocker business compared to cow/calf. What are the opportunities for getting into the cattle business?
R. C. Lacy, University of Georgia.

8:55 AM  Physiology of the receiving calf. Nutritional and health management.
C. R. Krehbiel, Oklahoma State University.

9:35 AM  Break

9:55 AM  Forage and co-product systems for stockers in the South. Have fundamental shifts in markets changed the optimal system?
D. L. Rankins, Auburn University.

10:35 AM  Impact of stocker program on feedlot performance and carcass quality.
R. R. Reuter, Noble Foundation.

Undergraduate Student Competition

Chair: Brian Rude, Mississippi State University
BJCC (3rd Floor) East Meeting Room L

8:15 AM  1  Residual feed intake and meat quality in Angus-sired cattle.

8:30 AM  2  Lean beef trim improved fresh and cooked quality characteristics of ground beef patties.
Color development and stability in the beef longissimus thoracis (LT) and psoas major (PM).

Regulation of marbling in heifers in response to age and pasture versus grain finishing.

The use of real-time ultrasound and predictive software to estimate carcass yield and quality of fed cattle.
K. J. Kelly*, B. C. Williamson¹, R. S. Miculinich¹, C. Hunt², and T. J. Wistuba³, *Morehead State University, Morehead, KY, ¹Paradox Farms, Ewing, KY, ²Novus International, Inc., St. Charles, MO.

The effect of pyruvate dehydrogenase E1-α subunit (PDHA1) on fresh pork quality.
M. L. Penick*, R. E. Miculinich¹, B. C. Williamson¹, and S. J. Moeller², *Morehead State University, Morehead, KY, ²Ohio State University, Columbus.

Annual ryegrass (Lolium multiflorum Lam.) production and quality as influenced by planting date and irrigation during early seedling development.
W. B. Smith*, R. B. Muntifering, E. van Santen, E. A. Guertal, and D. M. Ball, Auburn University, Auburn, AL.

Determining the relationship between body temperature and hair shedding scores in Angus cows.
M. R. Woolfolk*, J. J. Mayer, J. D. Davis, and T. Smith, Mississippi State University, Starkville.

Effect of dam temperament on birth weight in Brahman cattle.
A. B. Keith¹, ², A. W. Lewis¹, D. A. Neuendorff¹, R. C. Vann³, T. H. Welsh³, and R. D. Randel¹, ¹Texas AgriLife Research, Overton, ²Texas AgriLife Research, College Station, ³MAFES, Mississippi State University, Raymond.
10:45 AM 10
Impact of different handling styles (good vs. adverse) on growth performance, behavior, and cortisol concentrations in beef cattle.

11:00 AM 11
Determination and correlation of internal and external scrotal temperature in stallions.
A. L. Perrin*, C. A. Cavinder, and D. D. Varner, Texas A&M University, College Station.

11:15 AM 12
Growth, intake and feed efficiency in hair sheep lambs fed a hay-based diet with increasing levels of soyhull inclusion.
S. D. Szabo1, S. Wildeus1, and C. D. Teutsch2, 1Virginia State University, Petersburg, 2Virginia Tech, Blackstone.

11:30 AM 13
Evaluating the effect of TASCO-14 on gastrointestinal nematodes in small ruminants.
T. E. Lutz*, F. N. Mhlanga, E. Pierce, and J. Howard, 1Abilene Christian University, Abilene, TX, 2Lipscomb University, Nashville, TN.

Graduate Student Competition I
Chair: Debra Aaron, University of Kentucky
BJCC (3rd Floor) East Meeting Room N

9:00 AM 14
Effect of pre-finishing implant strategy and nutrient restriction on finishing performance.
J. Robinette1,2, R. Reuter2, P. Beck3, F. Ribeiro4, B. Stewart2, H. Gray3, and J. Apple1, 1University of Arkansas, Fayetteville, 2The Samuel Roberts Noble Foundation, Ardmore, OK, 3University of Arkansas-Southwest Research and Extension Center, Hope, 4Texas A&M University, Department of Agricultural Sciences, Commerce.

9:15 AM 15
Effects of mature size on intake, calf weight, and milk yield in a spring-calving commercial cow/calf operation.
G. L. Mourer*, C. P. McMurphy, A. J. Sexten, C. D. Dobbs, S. K. Linneen, J. D. Sparks, and D. L. Lalman, Oklahoma State University, Stillwater.
9:30 AM  16
Effects of respiratory vaccination timing and zeranol growth implant on health, performance, and immunity of newly received stocker calves.

9:45 AM  17
Effects of creep feeding supplementation on performance of cows and calves grazing limpograss pastures in Florida.
A. D. Aguiar1, J. M. B. Vendramini1, J. D. Arthington1, L. E. Sollenberger2, J. M. Bennet2, M. Hersom2, A. Valente1, and P. Salvo1, 1Range Cattle Research Education Center, Ona, Florida, US, 2University of Florida, Gainesville.

10:00 AM  18
Growth and carcass characteristics of pigs fed plum juice concentrate as a feed additive.

10:15 AM  Break

10:30 AM  19
Effects of stocker phase grazing system and implantation on performance and carcass characteristics of fall born steers.
C. P. McMurphy, G. L. Maurer, S. K. Linneen*, B. P. Holland, G. W. Horn, and D. L. Lalman, Oklahoma State University, Stillwater.

10:45 AM  20
Carcass and growth characteristics of grain and forage finished cattle with varying body types.

11:00 AM  21
The impact of swine management operations on large airway morphology of pigs.

11:15 AM  22
Evaluation of different methods of cattle hip height data collection.
M. L. Marks*, J. A. Parish, B. M. Bourg, N. B. Simmons, and T. Smith, Mississippi State University, Mississippi State.

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Evaluation of different methods of cattle hip height data collection.
M. L. Marks*, J. A. Parish, B. M. Bourg, N. B. Simmons, and T. Smith, Mississippi State University, Mississippi State.
Genetic parameter estimates for susceptibility/resistance to infectious bovine keratoconjunctivitis (IBK) in Angus calves.

Relationship of horn fly infestation to polymorphisms in heat shock protein 70 gene in beef cows.
C. M. Turner*, A. R. Mays¹, A. H. Brown¹, C. D. Steelman¹, and C. F. Rosenkrans¹, ¹University of Arkansas, Fayetteville, ²USDA/ARS Grasslands Research Laboratory, El Reno.

Comparison of pork quality characteristics among Hereford, Tamworth and Large Black crossbred pigs raised in a hoop barn during the finishing phase.
S.-H. Oh*, D. Bautista², D. Hanson², N. Whitley¹, M. Morrow², and M. T. See², ¹North Carolina A&T State University, Greensboro, ²North Carolina State University, Raleigh.

Growth of Berkshire crossbreds sired by Tamworth and Large Black.
S.-H. Oh*, M. Morrow², and T. See², ¹North Carolina A&T State University, Greensboro, NC, ²North Carolina State University, Raleigh, NC.

Relationship of underline score with growth, carcass and maternal traits in Beefmaster cattle.
B. R. Kutz*, A. H. Brown¹, E. L. Oxford¹, T. L. Perkins², Z. B. Johnson¹, and C. F. Rosencrans¹, ¹University of Arkansas, Division of Agriculture, Fayetteville, ²Beefmaster Breeders United, San Antonio, TX.

Selection for small frame size of Angus cattle in Alabama. 1. Growth rate, weight gain, hip height of calves and cow efficiency.
D. L. Kuhlers¹, K. Nadarajah¹, G. L. Thompson²,³, B. E. Norris², H. D. Harkins³, and L. Kriese-Anderson¹,³.
2:30 PM  29

Selection for small frame size of Angus cattle in Alabama. 2. Phenotypic correlations and growth pattern of replacement heifers.
K. Nadarajah\(^1\), D. L. Kuhlers\(^1\), G. L. Thompson\(^2\), B. E. Norris\(^3\), H. D. Harkins\(^3\), and L. Kriese-Anderson\(^1\),
\(^1\)Department of Animal Sciences, Auburn University, Auburn, \(^2\)Alabama Cooperative Extension System, Auburn, \(^3\)Tennessee Valley Research and Extension Center, Belle Mina, AL.

2:45 PM  Break

3:00 PM  30

Breed group effects for chute exit velocity as an indicator trait for temperament in weaner cattle.
M. L. Thomas\(^1\), A. H. Brown\(^1\), Z. B. Johnson\(^1\), S. W. Coleman\(^2\), M. A. Elzo\(^3\), S. M. DeRouen\(^4\), D. E. Franke\(^5\), W. E. Wyatt\(^5\), R. C. Vann\(^7\), G. R. Hansen\(^8\), and D. G. Riley\(^6\), University of Arkansas Division of Agriculture, Fayetteville, \(^2\)USDA/ARS, Brooksville, FL, \(^3\)University of Florida, Marianna, \(^4\)Louisiana State University AgCenter, Homer, \(^5\)Louisiana State University AgCenter, Baton Rouge, \(^6\)Louisiana State University AgCenter, Iberia, \(^7\)Mississippi State University, Raymond, \(^8\)North Carolina State University, Plymouth, \(^9\)Texas A&M University, AgriLife, College Station.

3:15 PM  31

Relationship of temperament scores and prolactin promoter polymorphisms in purebred Angus calves.

3:30 PM  32

QTL identification for udder traits in Bos indicus-Bos taurus cows using Bayesian inference.
M. E. Williams\(^*\), L. L. Hulsman, A. J. Cooper, J. O. Sanders, A. D. Herring, C. A. Gill, and D. G. Riley, Department of Animal Science, Texas A&M University, College Station.

3:45 PM  33

Comparison of genes associated with beef sensory characteristics in a Nellore-Angus population utilizing two association methods.
L. L. Hulsman\(^*\), M. R. S. Fortes\(^2\), A. Reverter\(^2\), R. K. Miller\(^1\), J. O. Sanders\(^1\), A. D. Herring\(^1\), C. A. Gill\(^1\), and D. G. Riley\(^1\), Department of Animal Science, Texas A&M University, College Station.
Influence of residual average daily gain or residual feed intake on birth weight in Brahman cattle.
A. B. Keith1,2, A. W. Lewis1, D. A. Neuendorff1, T. D. A. Forbes3, T. H. Welsh2, and R. D. Randel1, 1Texas AgriLife Research, Overton, 2Texas AgriLife Research, College Station, 3Texas AgriLife Research, Uvalde.

Evaluation of calving and weaning rates for Nellore-Angus straightbred and crossbred cows.
M. Obeidat*, D. Riley, J. Sanders, and A. Herring, %%Texas A&M University, College Station.

Inflammation and oxidative stress in airway epithelial cells following exposure to swine confinement facility dust.

Effects of forage type and gender on performance and carcass characteristics of hair lambs.
J. D. Kohler*, W. W. Miller1, J. L. Vest1, M. A. Brown1, M. D. Hudson1, and E. L. Walker1, 1Missouri State University, Springfield, 2USDA ARS Grazinglands Research Laboratory, El Reno, OK.

Effect of season of collection and heat shock protein 70 haplotype on semen quality characteristics of Holstein bulls.
J. D. Patterson*1, G. R. Gilbert2, M. A. Sales1, and C. F. Rosenkrans1, 1University of Arkansas, Fayetteville, 2Genex Cooperative Inc., Shawano, WI.

Use of a lipopolysaccharide (LPS) challenge to evaluate the innate immune response of Angus heifers with genotypic differences in GeneSTAR Markers for intramuscular fat deposition.
ANIMAL SCIENCE

J. O. Buntyn*, J. A. Carroll, T. Smith, S. M. Falkenberg, J. D. Rivera, N. C. Burdick, and T. B. Schmidt, 1Department of Animal and Dairy Sciences, Mississippi State University, 2Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 3Ruminant Diseases and Immunology Research Unit, USDA-ARS, Ames, IA, 4Mississippi Branch Experiment Station, Poplarville, MS.

2:00 PM 40
A comparison of ruminal microbial populations of residual feed intake-indexed Brahman bulls under grazing conditions.
L. M. Wiley*, L. O. Tedeschi, T. D. A. Forbes, F. M. Rouquette, R. D. Randel, and S. E. Dowd, 1Texas A&M University, College Station, 2Texas Agrilife Research, Uvalde, 3Texas Agrilife Research, Overton, 4Medial Biofilm Research Institute and Research and Testing Laboratory, Lubbock, TX.

2:15 PM Break

2:30 PM 41
Characterization of enrichment terms essential to beef sensory characteristics in a Nellore-Angus population utilizing Bayesian Inference.
L. L. Hulsman*, M. R. S. Fortes, A. Reverter, R. N. Vaughn, P. K. Riggs, R. K. Miller, J. O. Sanders, A. D. Herring, C. A. Gill, and D. G. Riley, 1Department of Animal Science, Texas A&M University, College Station, 2CSIRO Livestock Industries, Queensland Bioscience Precinct, Brisbane, Queensland, Australia, 3Graduate Program in Genetics, Texas A&M University, College Station.

2:45 PM 42
Beef cattle carcass characteristics from continuously stocked triticale, wheat and ryegrass pasture.
D. A. Tigue*, R. B. Muntifering, S. P. Schmidt, W. F. Owsley, and C. L. Bratcher, Auburn University, Auburn, AL.

3:00 PM 43
Initial trends in the Kentucky Buck Test Program.
R. S. Kelly*, T. J. Wistuba, T. Caudill, B. C. Williamson, and R. E. Miculinich, 1Morehead State University, Morehead, KY, 2Novus International Inc., St. Charles, MO, 3Kentucky Department of Agriculture, Frankfort, KY.

3:15 PM 44
Characterization of ruminal lipase-producing bacteria and their lipolytic activities in vitro.
H. D. Edwards*, R. C. Anderson, S. B. Smith, R. K. Miller, T. M. Taylor, N. A. Krueger, and N. J. Williamson. 1Department of Animal Science, Texas A&M University, College Station, 2Texas Agrilife Research, Uvalde, 3Texas Agrilife Research, Overton, 4Medial Biofilm Research Institute and Research and Testing Laboratory, Lubbock, TX.
Supplemental concentrate for heifers grazing stockpiled fescue.

Effect of daily or alternate day distillers grains supplementation with or without monensin on performance of growing calves—Three trial summary.

Comparison of ground, pelleted peanut hulls to loose peanut hulls in diets fed to growing beef cattle.
J. Starnes*, D. Rankins, and B. Gamble, Auburn University, Auburn, AL.

Effect of breed and level of inclusion of dried distillers grain (DDG) supplement on intake and digestibility of round bale silage (RBS) diets.

Between-animal variation in intake and behavioral patterns associated with consumption of salt-limited dried distillers grain in forage-fed growing steers.
J. Moreno*, R. Kalina, G. Carstens, J. Walter, A. Hafla, and T. Wickersham, Texas A&M University, College Station.
ANIMAL SCIENCE

2:15 PM  50
Determining the effects of previous nematode control on feedlot growth performance and carcass merit in beef cattle.

2:30 PM  51
Use of shrunk body weights did not effectively reduce variability of weight gain of growing steers.
R. R. Reuter* and C. A. Moffet, The Samuel Roberts Noble Foundation Inc., Ardmore, OK.

2:45 PM  52
Effects of between-animal variation in feed efficiency, performance, and carcass traits on net revenue in Angus-based composite steers.

Teaching and Undergraduate Education
Chair: Rebecca Splan, Virginia Tech
BJCC (3rd Floor) East Meeting Room J

1:00 PM  53
Student Perceptions of the MTSU School of Agribusiness and Agriscience.
W. Gill, J. Gardner, A. Neely, and J. Carter*, Middle Tennessee State University School of Agribusiness and Agriscience, Murfreesboro.

1:15 PM  54
Case study on development and effectiveness of a practicum in livestock welfare and management course.
D. Mulvaney*, B. Anderson, A. Chandler, G. Richburg, and D. Coleman, Animal Sciences, Auburn University, Auburn, AL.

1:30 PM  55
Creation of media and issues management simulation modules for students enrolled in a course dealing with Issues in Animal Science.
D. R. Mulvaney*1 and M. V. Morgan2,1 Animal Sciences, Auburn, AL, 2Alabama Cooperative Extension System, Auburn.

1:45 PM  Discussion.
3:15 PM  56  
Poured protein blocks, a distillers grain product and cottonseed fed with hay to beef cows in winter.
G. M. Hill\textsuperscript{1}, K. C. Halbig\textsuperscript{1}, J. Moore\textsuperscript{1}, C. H. Knight\textsuperscript{1}, A. Scheaffer\textsuperscript{2}, and B. G. Mullinix\textsuperscript{1}, \textsuperscript{1}\textit{University of Georgia, Tifton}, \textsuperscript{2}\textit{SweetPro, LLC, Walhalla, ND}.

3:30 PM  57  
Intake, in situ disappearance, and ruminal fermentation of bermudagrass hay by lactating beef cows offered hominy feed or corn as supplements.
Z. Madzonga, A. Young, K. Coffey*, D. Philipp, and E. Kegley, \textit{University of Arkansas Division of Agriculture, Fayetteville}.

3:45 PM  58  
Evaluating hay waste and animal performance when fed supplemental liquid protein or dried distillers grains with aged low- to medium quality hay to late gestating beef cattle.
R. S. Walker*, D. LaMay\textsuperscript{1}, J. R. Davis\textsuperscript{2}, and C. A. Bandyk\textsuperscript{2}, \textsuperscript{1}\textit{LSU AgCenter, Hill Farm Research Station, Homer}, \textsuperscript{2}\textit{Quality Liquid Feeds, Dodgeville, WI}.

4:00 PM  59  
Effects of ruminally undegradable protein supplement on performance and feed intake of beef heifers fed ryegrass baleage.
J. D. Rivera*, L. W. Fitzgerald, M. L. Gipson, K. L. Odom, and R. A. Gipson, \textit{MAFES South MS Branch Experiment Station, Poplarville, MS}.

4:15 PM  60  
Effects of trace mineral injection 28 days before weaning on calf health, performance, and carcass characteristics.
E. B. Kegley*, K. P. Coffey\textsuperscript{1}, J. T. Richeson\textsuperscript{1}, and D. S. Hubbell\textsuperscript{2}, \textsuperscript{1}\textit{Animal Science Department, University of Arkansas Division of Agriculture, Fayetteville}, \textsuperscript{2}\textit{Livestock and Forestry Research Station, Batesville}.

4:30 PM  61  
Effects of trace mineral-fortified, limit-fed supplements on performance of beef calves.
P. Moriel* and J. D. Arthington, \textit{University of Florida, Range Cattle Research and Education Center}.
ANIMAL SCIENCE

4:45 PM  62
Association between a lactate dehydrogenase gene mutation and horn fly infestation of beef cows.
C. F. Rosenkrans1, A. R. Mays1, M. A. Brown2, A. H. Brown1, and C. D. Steelman1, 1University of Arkansas, Fayetteville, 2USDA-ARS, El Reno, OK.

Tuesday, February 7

Physiology

Chair: Olga Bolden-Tiller, Tuskegee University
BJCC (3rd Floor) East Meeting Room O

8:00 AM  63
Effects of transportation duration on feeding behavior, watering behavior and feed efficiency of freshly weaned Brahman x Hereford calves.
A. N. Loyd1,2,3, R. R. Reuter2, B. L. Bradbury1,4, R. C. Vann3, J. P. Banta5, J. A. Carroll6, T. H. Welsh1, and R. D. Randel6, 1Texas AgriLife Research, College Station, TX, 2The Samuel Roberts Noble Foundation, Ardmore, OK, 3MAFES, Mississippi State University, Raymond, 4Texas AgriLife Extension, Overton, TX, 5Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 6Texas AgriLife Research, Overton, TX.

8:15 AM  64
Effects of long versus short duration transportation on body composition of Brahman x Hereford calves.
A. N. Loyd1,2,3, R. R. Reuter2, R. C. Vann3, J. P. Banta5, J. A. Carroll6, T. H. Welsh1, and R. D. Randel6, 1Texas AgriLife Research, College Station, 2The Samuel Roberts Noble Foundation, Ardmore, OK, 3MAFES, Mississippi State University, Raymond, 4Texas AgriLife Extension, Overton, 5Livestock Issues Research Unit, USDA-ARS, Lubbock, TX.

8:30 AM  65
Use of unique semen collection device improves conception rates of bovine.
K. Graves-Evenson1, J. Weathers3, L. Penrose5, D. Johnson2, R. Kauffman1, and S. Prien5, 1Texas Tech University Health Sciences Center, Amarillo, 2Texas Tech Health Sciences Center, Lubbock, 3Southeast Missouri State University, Cape Girardeau.

8:45 AM  66
Relationship between horn fly infestation and polymorphisms in the cytochrome P450 gene in beef cows.
A. R. Mays1, M. A. Brown2, A. H. Brown1, C. D.
Influence of heat stress on the immune response of Angus and Rosomosinuano heifers to an LPS challenge.
N. C. Burdick, R. Chaffin, J. A. Carroll, C. C. Chase, S. W. Coleman, and D. E. Spiers, USDA-ARS Livestock Issues Research Unit, Lubbock, TX, University of Missouri, Division of Animal Sciences, Columbia, USDA-ARS Sub-Tropical Agricultural Research Station, Brooksville, FL.

Heat stress decreases the metabolic response of Angus but not Rosomosinuano heifers to an LPS challenge.
N. C. Burdick, R. Chaffin, J. A. Carroll, C. C. Chase, S. W. Coleman, and D. E. Spiers, USDA-ARS Livestock Issues Research Unit, Lubbock, TX, University of Missouri, Division of Animal Sciences, Columbia, USDA-ARS Sub-Tropical Agricultural Research Station, Brooksville, FL.

Live yeast and citrus pulp supplementation reduces the presence of rectal salmonella without impairing performance in young pigs.
N. C. Burdick, J. A. Carroll, T. R. Callaway, E. Chevaux, and D. Rosener, USDA-ARS Livestock Issues Research Unit, Lubbock, TX, USDA-ARS Food and Feed Safety Research Unit, College Station, TX, Lallemand Specialties Inc., Milwaukee, WI.

In vitro fertility of cryo-preserved spermatozoa from boars fed diets supplemented with selenium.
M. J. Estienne and B. D. Whitaker, Virginia Tech, Blacksburg, University of Findlay, Findlay, OH.

Single nucleotide polymorphisms of the FSHβ gene and effects on semen quality.
Does altering the timing of insemination with gender sorted bovine semen affect pregnancy rates?

J. D. Rhinehart¹, L. H. Anderson², F. N. Schrick¹, A. Fisher¹, A. M. Arnett³, R. Burris², and M. DeJarnette³,
¹The University of Tennessee, ²University of Kentucky, ³Select Sires Inc.

Chair: Justin Rhinehart, University of Tennessee
BJCC (3rd Floor) East Meeting Room K
8:30 AM 73
Assessment of beef cattle extension publication use via Internet download monitoring.
B. M. Bourg*, J. A. Parish, and R. Noffsinger, Mississippi State University, Mississippi State.

8:45 AM 74
Electronic delivery of a Regional Beef Cattle Genetics Learn at Lunch extension program.
J. A. Parish*, T. Smith¹, B. M. Bourg¹, S. Hankins¹, S. M. Fulgham¹, W. S. Belvin¹, L. A. Kriese-Anderson², and M. F. Elmore², ¹Mississippi State University, Mississippi State, ²Auburn University, Auburn, AL.

9:00 AM 75
Reaching a connected audience by posting conference video recordings to the internet.
S. Gadberry*, B. Barham¹, T. Troxel¹, J. Jennings¹, P. Beck², and J. Powell³, ¹University of Arkansas, Cooperative Extension Service, Little Rock, ²University of Arkansas, Southwest Research and Extension Center, Hope, ³University of Arkansas, Department of Animal Science, Fayetteville.

9:15 AM 76
Impact of phenotypic characteristics on selling price of Texas feeder cattle.
M. Beverly*, S. Kelley, K. Stutts, and B. Freel, Sam Houston State University, Huntsville, TX.

9:30 AM 77
Management practices on selling price of Texas feeder cattle.
K. Stutts*, M. Beverly, S. Kelley, and B. Freel, Sam Houston State University, Huntsville, TX.

9:45 AM Break

10:00 AM 78
Health characteristics and their impact on selling price of Texas feeder cattle.
S. Kelley*, K. Stutts, M. Beverly, and B. Freel, Sam Houston State University, Huntsville, TX.

10:15 AM  79
The effect of livestock auction barn size and phenotypic traits on sale price of calves in Oklahoma.
D. O. Alkire, J. A. Robinette, and R. R. Reuter,
1The Samuel Roberts Noble Foundation, Ardmore, OK, 2University of Arkansas, Fayetteville.

10:30 AM  80
Historical assessment of distance between bull buyer addresses and sale sites in the southeast USA.
M. L. Marks, J. A. Parish, B. M. Bourg, L. A. Kriese-Anderson, M. F. Elmore, and J. P. Cassady,
1Mississippi State University, Mississippi State, 2Auburn University, Auburn, AL, 3North Carolina State University, Raleigh.

10:45 AM  81
Effect of anthelmintic formulations on FECR and ADG of stocker steers.

Pastures and Forages
Chair: Paul Beck, University of Arkansas SWREC
BJCC (3rd Floor) East Meeting Room I

8:30 AM
Managing Tall Fescue Toxicosis in Beef Cattle: Reproductive and Pre-Weaning Effects.
J. Andrae and S. Pratt.

8:55 AM
Discussion.

9:00 AM
Managing Tall Fescue Toxicosis in Beef Cattle: Effects on Subsequent Production Phases.
J. Caldwell and K. Coffey.

9:25 AM
Discussion.

9:30 AM  82
Additive effects of implants and ionophores on performance of growing steers grazing wheat pasture.
P. Beck, T. Hess, D. Hubbell, B. Fieser, and D. Hufstedler,
1University of Arkansas SWREC, Hope, 2University of Arkansas LFRS, Batesville, 3ADM Alliance Nutrition, Stillwater, OK, 4Elanco Animal Health Beef Cattle - Stocker District, Guthrie, OK.
Evaluation of early weaned calves grazing annual ryegrass or annual ryegrass-triticale mixtures in south Florida.
1University of Florida, Range Cattle Research and Education Center, Ona, 2University of Florida, North Florida Research and Education Center, Marianna.

Breed and winter nutrition effects on diet digestibility and intake of cows grazing bahiagrass pastures.
S. W. Coleman*, C. C. Chase, M. J. Williams, D. G. Riley, and E. J. Bowers, USDA-ARS Subtropical Agricultural Research Station, Brooksville, FL.

Overseeding cool season legumes into Bermudagrass pastures: Impact on winter forage yield and quality over two growing seasons.
S. R. Freeman*, M. H. Poore, H. M. Glennon, and A. D. Shaeffer, North Carolina State University, Raleigh.

Evaluation of three bermudagrass varieties for grazing and hay production.
G. Scaglia*, J. Rodriguez, and H. T. Boland.
1Louisiana State University Agricultural Center, Iberia Research Station, Jeanerette, LA, 2Mississippi State University, Prairie Unit, Prairie.

Steer performance and nitrogen use efficiency in stocker production systems utilizing warm-season perennial grass pasture.

Economics of Utilizing Clover in Tall Fescue Pastures for Stocker Cattle.
1University of Arkansas SWREC, Hope, 2Noble Foundation, Ardmore, OK, 3University of Arkansas LFRS, Batesville.

Small Ruminant Production
Chair: Sandra Solaiman, Tuskegee University
BJCC (3rd Floor) East Meeting Room J
ANIMAL SCIENCE

8:50 AM 89
The identification of testosterone-regulated genes in the goat testis.
O. Bolden-Tiller*, A. Knox, A. Reyes, L. Clark, C. Collins, and C. Wright, Tuskegee University, Tuskegee Institute, AL.

9:05 AM 90
Productivity of Polypay, White Dorper and White Dorper x Polypay ewes bred to Hampshire rams in a pasture-based production system.

ANIMAL SCIENCE

9:20 AM 91
Carcass characteristics of pasture vs. pen-fed goats.
S. Schoenian*, J. Semler2, D. Gordon3, M. B. Bennett4, and D. J. O’Brien5, 1University of Maryland, Keedysville, MD, 2University of Maryland, Boonsboro, 3University of Maryland, Derwood, 4West Virginia University, Martinsburg, 5Delaware State University, Dover.

ANIMAL SCIENCE

9:35 AM 92
Effect of season and by-pass fat supplementation on milk composition of hair sheep ewes lambing in spring and fall.
S. Wildeus*1 and S. S. Zeng2, 1Virginia State University, Petersburg, 2Langston University, Langston, OK.

9:50 AM 93
Efficacy of pumpkin seed oil in controlling internal parasites in Katahdin lambs.
K. K. Matthews*, D. J. O’Brien1, N. C. Whitley2, J. E. Miller3, J. M. Burke4, and R. A. Barczewski1, 1Delaware State University, Dover, 2North Carolina A&T State University, Greensboro, 3Louisiana State University, Baton Rouge, 4USDA, ARS, Dale Bumpers Small Farms Research Center, Booneville, AR.

10:05 AM 94
Potential of copper sulfate to cause toxicity when used as an anthelmintic for sheep.

10:20 AM 95
Impact of tannins-containing pine bark as feed ingredient on dry matter intake, digestibility, nitrogen balance and mineral retention in goats.
B. R. Min*, S. Solaiman, E. Taha, and N. Gurung, Tuskegee University, Tuskegee, AL.
2:00 PM  96  
Efficacy of ivermectin and fenbendazol in weaned calves.  
M. H. Poore* and M. L. Alley, North Carolina State University, Raleigh.

2:15 PM  97  
Anthelmintic resistance testing and agricultural professional training on horse farms in North Carolina.  
N. C. Whitley*, R. M. Kaplan, R. A. Franco, K. Moulton, and A. E. Cooper, North Carolina A&T State University, Greensboro, University of Georgia, Athens.

2:30 PM  98  
Comparison of antibiotic post-treatment intervals for bovine respiratory disease in high-risk stocker calves.  

2:45 PM  99  

3:00 PM  100  
Ability of novice producers to identify their information needs.  

3:15 PM  Break

3:30 PM  101  
Building confidence, skills and leadership of women cattle producers.  

3:45 PM  102  
Outcome measurements of small ruminant tool box workshops.  
S. M. Jones*, L. Coffey, and M. Hale, University of Arkansas, Little Rock, National Center for Appropriate Technology, Fayetteville, AR.
Producer evaluation of the TN Master Beef Producer Program.
J. B. Neel*, B. T. Campbell¹, F. D. Kirkpatrick¹, C. D. Lane¹, and W. W. Gill²,¹ The University of Tennessee, Knoxville, ²Middle Tennessee State University, Murfreesboro, TN.

Comparison of temperature susceptibility in three different types of outdoor swine huts.
8:55  Introductory Remarks – Dr. Jeff Boles, President and Dr. SK Ballal, Program Chair

9:00  “Novel Functions of Secretory Pathways and Endoplasmic Reticulum Stress in Plant Immunity” Karolina M Mukhtar, J Lucas Boatwright, Melissa Jordan, Rachel Brown and Isaac Sung Lee, University of Alabama at Birmingham, Dept. of Biology, Campbell Hall 369, 1300 University Blvd., Birmingham, AL 35294.

9:30  “New Methods to Produce Transgenic Chickens” Robert Beckstead and Brian Jordan, The University of Georgia, Athens, Georgia 30602.

10:00 “Production and Field Testing of Transgenic Cotton That Expresses Transcription Factors for Enhanced Traits and Productivity Under Drought Stress” Chris Rock, Amandeep Mittal, Tom Thompson and John Burke, Department of Biological Sciences, Texas Tech University, mailstop 3131, Lubbock, TX 79409-3131

10:30 “The role of receptor-like kinases in plant innate immunity against fungal pathogens” Katrina Ramonell, Xin Yang and Fengyan Deng, Department of Biological Sciences, The University of Alabama, Box 870344, Tuscaloosa, AL 35487.

11:00 “The Plasma Membrane Serves as a Subcellular Location for One Isoform of Myo-inositol 1 Phosphate Synthase in Arabidopsis” Margaret Johnson, Tiffany Johnson and Xin Yang, Department of Biological Sciences, The University of Alabama, Tuscaloosa, AL 35487.

11:30 Lunch

11:30 Lunch
1:00 “Role of minerals in the interactions of the bacterium plant pathogen Xylella fastidiosa and the host plant” Leonardo De La Fuente, Paul Cobine, Edzard Van Santen, Jennifer Parker and Luisa Cruz, Department of Entomology and Plant Pathoogy, 209 Rouse Life Sciences Building, Auburn University, Auburn, AL 36849.

1:30 “Environmental regulation of plant auxin response” Nihal Dharmasiri, Nirmala Karunarathna, Thilanka Jayaweera, Praveen Kumar Kathare, Yuting Hou, Chandima Dhanapala, Yaling Song, Sunethra Dharmasiri, 601 University Drive, Department of Biology, Texas State University, San Marcos, TX 78666.

2:00 “Physiological Status of Periphyton and Structure of the Diatom Assemblage in the West Fork of the Red River in North-Central Tennessee” Jeff Lebkuecher, Kelly A. Anderson, Michael T. Felthauser, Courtney E. Gorman, Anna L. Guyer, Alex, J. Hall, Rebecca N. Johnson, Elizabeth D. Slade Chelsea B. Williams and Lyddia C. Wilson, Department of Biology, Austin Peay State University, Clarksville, Tennessee 37044.

2:30 Closing Remarks
The Southern Region ASHS is a regional scientific society of the American Society for Horticultural Science. The Southern Region encompasses the 14 southern states of Texas, Louisiana, Oklahoma, Arkansas, Mississippi, Georgia, Alabama, Florida, South Carolina, North Carolina, Virginia, West Virginia, Kentucky and Tennessee. Membership varies over the years from about 300 to 500 active members. Membership is composed of research scientists, teachers and extension specialists from Universities, State, Federal and private research organizations, and industry. The Southern Region also contains a student section, the Association of Collegiate Branches, which is composed of student clubs from departments of horticulture and plant science across the region. The main focus of the Southern Region is the Annual Meeting, which is held every February in conjunction with the Southern Association of Agricultural Scientists (SAAS). The Annual Meeting consist of presentations of scientific papers, student paper competitions and judging contest, commodity group meetings, and awards presentations.

Goals:
• Encourage and facilitate the mutual exchange of ideas and information concerning horticultural research, extension, education, and industry in the south
• Promote stronger bonds among horticulturists in the southern regions
• Encourage participation in the international society of the American Society for Horticultural Science
The Southern Region ASHS is recognized widely as the strongest and most active Region of the American Society for Horticultural Science, and has a history that goes back to 1920! Join us and become a part of the Tradition.

SECTION TITLES

SUNDAY, FEBRUARY 5, 2012

J. B. EDMOND UNDERGRADUATE STUDENT PAPER COMPETITION

Room: SBH Birmingham Ballroom V/IX
Presiding: Derrick Farlee, President, ACB
Brian Kahn, President, SRASHS
Bill Evans, 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: (wbe@ra.msstate.edu).

8:00 am – 9:30 am Order of presentations determined by drawing at beginning of contest.

Determining Rhizome Maturity in Reblooming Iris.
Joshua K. Craver* and Richard L. Harkess. Dept. of Plant and Soil Sciences, Mississippi State University, 117 Dorman Hall, Mississippi State, MS 39762 (jkc175@msstate.edu)

Effects of brewing conditions on antioxidant capacity and phenolic contents of selected teas.
Sara Wetzstein¹* and Weiguang Yi²,¹ Oxford College, Emory University, 100 Hamill Street, Oxford, GA 30054, ² Department of Horticulture, 1111 Miller Plant Science Bldg, University of Georgia, Athens, GA 30602, (abeyi@uga.edu)

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

Room: SBH Birmingham Ballroom V/IX
Presiding: David Creech, 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: (dcreech@sfasu.edu).

9:30 am – 2:30 pm Order of presentations determined by drawing at beginning of contest.
Colored Shade Cloth Affects Growth of Basil, Cilantro, and Parsley. Shawn Appling*, John Freeborn, Joyce Latimer, Department of Horticulture, 301 Saunders Hall, Virginia Tech, Blacksburg, VA 24061-0327. (ashawn6@vt.edu).

Development of genetic linkage map for blush in peach. Terrence J. Frett¹*, Gregory L. Reighard¹, Ksenija Gasic¹* and William Okie². ¹School of Agricultural, Forest, and Environmental Sciences, Clemson University, E-143 Poole, Clemson, SC, 29634, ²ARS-USDA, 21 Dunbar Rd., Byron, GA 31008 (terrencefrett@gmail.com).

Dikegulac sodium enhances branching in herbaceous perennials during plug production. Mara Grossman, John Freeborn, Holly Scoggins, and Joyce Latimer, Department of Horticulture, Virginia Tech, Blacksburg, Virginia 24061. (mgrossman@vt.edu).

Evaluation of Eastern Red Cedar as an alternative amendment in the greenhouse production of annuals using a starter fertilizer. Edwards, Lucy E.* and Charles H. Gilliam. Department of Horticulture, Auburn, University, Auburn, AL 36849. (lee0003@tigermail.auburn.edu).

Evaluation of Selected American and French-American Hybrid Bunch Grape Cultivars in North Alabama. Yilanna Hu¹*, Elina Coneva¹, Edgar Vinson¹, and Joyce Ducar². ¹101 Funchess Hall, Department of Horticulture, Auburn University, AL, 36849, ²13112 Alabama 68, Sand Mountain Research and Extension Center, Crossville, AL, 35962. (yzh0016@auburn.edu).


Growth, photosynthesis, and water relations of young pecan seedlings in response to different nitrogen fertilization rates. Hayley Hannah*, Leonardo Lombardini, and Astrid Volder. Department of Horticulture Sciences, Texas A&M University, College Station, TX 77843-2133. (hhannah@neo.tamu.edu).

Hardwood bark as a possible substrate component in annual production. T.L Weldon., G.B. Fain, J.L. Sibley and C.H Gilliam. Department of Horticulture, Auburn, University, Auburn, AL 36849. (Weldotl@auburn.edu).
In Vitro Regeneration and Polyploid Induction of Acer platanoides L. ‘Crimson Sentry’. Jason D. Lattier, Darren H. Touchell\textsuperscript{3}, Thomas G. Ranney\textsuperscript{4}. Department of Horticultural Science, Mountain Horticultural Crops Research and Extension Center, North Carolina State University, 455 Research Drive, Mills River, NC 28759-3423. (jdlatter@gmail.com).


Interspecific hybridization of Sweetpotato (Ipomoea batatas L.) with Morning Glory Species (Ipomoea spp L.). Benjamin K. Winslow\textsuperscript{1}, Shyamalrau P. Tallury\textsuperscript{2}, and G. Craig Yencho\textsuperscript{1}, 1214-A Kilgore Hall, North Carolina State University, Raleigh, NC 27695-7609, 216 Method Unit 3, North Carolina State University, Raleigh, NC, 27695-7629. (ben_winslow@ncsu.edu).

Metabolomic profile of red raspberries grown in the southern US. Christine Bradish\textsuperscript{1}, Penelope Perkins-Veazie\textsuperscript{2} and Gina Fernandez\textsuperscript{1}. Department of Horticulture Science, 121 Kilgore Hall, North Carolina State University, Raleigh, NC 27695, 2 Plants for Human Health Institute, North Carolina State University, 600 Laureate Way, Kannapolis NC 28081. (cmbradis@ncsu.edu).

Nitrogen fertilizer rate influences greenhouse sweetpotato plant production. Chen Jiang*, Zvezdana Pesic-VanEsbroeck and Jonathan R. Schultheis, North Carolina State University, Department of Horticultural Science, Box 7609, 2721 Founders Drive, Raleigh, NC 27695-7609. (cjiang5@ncsu.edu).

Propagation of Stevia Rebuadiana stem cuttings influenced by media and cutting types. LeCroy Jack M.\textsuperscript{1}, C.Coker, D.J. Eakes, C. Robinson, and J.L. Sibley. Department of Horticulture, Auburn University, Auburn, AL 36849. (jm10003@tigermail.auburn.edu).

Propagation of Vaccinium arboresum by stem cuttings for use as a rootstock for commercial blueberries. Jessica R. Bowerman*\textsuperscript{1}, James D. Spiers\textsuperscript{1}, Elina Coneva\textsuperscript{1}, Kenneth M. Tilt\textsuperscript{1}, Eugene K. Blythe\textsuperscript{2}, and Donna A. Marshall\textsuperscript{1}. Department of Horticulture, Auburn University, Auburn, AL 36849.
Saline Irrigation of Three Green Roof Species for the Southeast. Judson S. LeCompte*, Amy N. Wright¹, J. Raymond Kessler¹, Charlene Lebleu², ¹Department of Horticulture, ¹101 Funchess Hall, Auburn University, AL 36849, ²Department of Landscape Architecture, 305 Dudley Hall, Auburn University, AL 36849. (js10009@auburn.edu).

Transplant Holding Time and Environment Affects Yield and Stand of Sweetpotato. William (Brad) B. Thompson*, David W. Monks, Katharine M. Jennings and Jonathan R. Schultheis. North Carolina State University, Department of Horticultural Science, Box 7609, 2721 Founders Drive, Raleigh, NC 27695-7609 (brad_thompson@ncsu.edu).

WARREN S. BARHAM
Ph.D. GRADUATE STUDENT
PAPER COMPETITION
Room: SBH Birmingham Ballroom V/IX
Presiding: David Creech, 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: (dcreech@sfasu.edu).

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

Effects of fertilizer placement on trace gas emissions from container-grown plant production. S. Christopher Marble¹*, Stephen A. Prior², G. Brett Runion², H. Allen Torbert², Charles H. Gilliam¹, Glenn B. Fain¹, Jeff L. Sibley¹, and Patricia R. Knight³, ¹101 Funchess Hall, Auburn University, Auburn, AL 36849, ²USDA-ARS National Soil Dynamics Laboratory 411 S. Donahue Dr. Auburn, AL 36832, ³Mississippi State Coastal Research and Extension Center, 1815 Popp's Ferry Road, Biloxi, MS 39532. (marblsc@auburn.edu).

Evaluating the effect of selected fungicides on drought tolerance in tomatoes. Diana R. Cochran*, Richard L. Harkess¹, Patricia R. Knight², Maria Tomas-Peterson³, Eugene K. Blythe⁴, Charles H. Gilliam⁵, and Mengmeng Gu¹. ¹117 Dorman Hall, Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762, ²1815 Popp's Ferry Road, Coastal Research and Extension Center, ³117 Dorman Hall, Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762, ⁴1815 Popp's Ferry Road, Coastal Research and Extension Center,
Photosynthetic rates of three diverse southeastern green roof species in response to drought and recovery. Julie G. Price, Amy N. Wright, and Stephen A. Watts, 1530 3rd Ave. S., Department of Biology, CH 464, University of Alabama at Birmingham, Birmingham, AL 35294-1170, 101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849. (juliegp@uab.edu).

Storage and composition of organically grown blackberries. Moo Jung Kim, Penelope Perkins-Veazie, and Gina Fernandez, Department of Horticulture Science, 121 Kilgore Hall, North Carolina State University, Raleigh, NC 27695, Plants for Human Health Institute, North Carolina State University, 600 Laureate Way, Kannapolis NC 28081. (mkim10@ncsu.edu).

EXTENSION SECTION
Room: SBH Birmingham Ballroom XII
Presiding: Lenny Wells
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (lwells@uga.edu).

8:00 One Particular Blogger: Two Years of the Grape Blog (Glog). Eric T. Stafne, Plant and Soil Sciences Department, Mississippi State University, Box 193, Poplarville, MS 39470. (eric.t.stafne@okstate.edu).

8:15 Louisiana Super Plants - A New Landscape Plant Promotion Program. Allen Owings*, Regina Bracy, and Dan Gill, LSU AgCenter, Hammond Research Station, 21549 Old Covington Highway, Hammond, LA 70403. (AOwings@agcenter.lsu.edu).

8:30 After 12 Years: The Southeastern Vegetable Crops Handbook & SE Vegetable Extension Workers Meeting. Joseph M. Kemble*, George Boyhan, Jeanine Davis, Richard L. Hassell, Richard G. Snyder, and Annette Wszelaki, Department of Horticulture, Auburn University, Auburn, AL 36849-5408. (kembljm@auburn.edu).
8:45 Using Life Cycle Assessment-based information in Extension. Dewayne L. Ingram, University of Kentucky, N-308F Ag Science North, Lexington, KY 40546-0091. (dingram@email.uky.edu).

9:00 Multisite Trap Cropping Demonstrations for Vegetable Insect Pest Management. Ayanava Majumdar1*, Robert Boozer2, Chris Becker3, James Miles4, and Randy Akridge5, 1 Gulf Coast Research and Extension Center, 8300 State Hwy 104, Fairhope, AL 36532, 2 Chilton Regional Research & Extension Center, 120 County Road 756, Clanton, AL 35045, 3 Alabama Cooperative Extension System, 802 Veterans Drive, Florence, AL 35630, 4 Alabama Cooperative Extension System, 1070 Schillinger Road N, Mobile, AL 36608, 5 Director, Brewton Agricultural Research Unit, 2067 Kirkland Road, Brewton, AL 36427. (azm0024@auburn.edu).

EDUCATION SECTION
Room: MFCC Medical Forum C (Second Floor)
Presiding: Carolyn Robinson
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (cwrobinson@auburn.edu).

3:00 Engaging Students via Outreach Programs in Urban Water Conservation. Bodie Pennisi*, Department of Horticulture, University of Georgia, 1109 Experiment St. CAES Griffin Campus, Griffin, GA 30223. (bpennisi@uga.edu).

3:15 Building Better Peppers: An Experiential Learning in Plant Breeding for the Undergraduate Students. Bala Rathinasabapathi*, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690. (brath@ufl.edu).

3:30 The Garden Program at Fayetteville School and Changes in School Ground Perceptions Ann Fleener, Carolyn Robinson, J. Donald Eakes, Department of Horticulture, Auburn University, 101 Funchess Hall, Auburn, AL 36849. (awf0001@auburn.edu).

POSTERS
Room: SBH Birmingham Prefunction
Presiding: Thayne Montague
Abstracts: To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (thayne.montague.ttu.edu).

Set-Up: Sunday, 8:00 am – 12:00 pm
Poster Viewing Sunday noon to Monday 10:30 am
Authors at Poster:
Sunday, 12:00 – 4:00 pm
Take-down: Monday, 12:30 pm – 3:30 pm

Student Poster Competition
“G” or “U” following the poster number indicates graduate and undergraduate poster, respectively, for the National Cowpea Poster Competition. Undergraduate and Graduate students in the poster competition must be by their poster at the appointed time listed above.

Extension

1) Non-traditional Community Garden Programs. Christine E.H. Coker*, Gary R. Bachman, Susan DeBlanc, and Corey Wheeler, Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532. (ccoker@ra.msstate.edu).

Fioriculture, Ornamentals and Turf

2G) Evaluation of Whole Tree Substrate Amended with Spent Mushroom Compost or Peat Moss in the Pot-In-Pot Production of *Rosa hybrid*. Adam R. Summerville* and Michael A. Maurer. Department of Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962-3000. (summerviar@titan.sfasu.edu).

3U) Secondary Branch Angles and Potential Topophytic Effects of Vegetatively Propagated Clones of *Taxodium Rich.* Andrew R. King*, Michael A. Arnold1, Douglas F. Welsh2, W. Todd Watson3, 1Department of Horticultural Sciences, Texas A&M University, HFSB 201, College Station, TX 77843-2133, 2Texas AgriLife Extension Service, Department of Horticultural Sciences, College Station, TX 77843-2134, 3Department of Ecosystem Science and Management, Texas A&M University, College Station, TX 77843-2138. (aking@tamu.edu).

5) Growth and development of Canna ‘Australia’ liners treated with florprimidol or paclobutrazal. Michael A. Maurer* and Adam R. Summerville, Department of Agriculture, Stephen F. Austin State University, Nacogdoches, TX 75962-3000. (maurerma@sfasu.edu).

6) Homeowner Weed and Turf Identification Display. Gary R. Bachman*, Christine E.H. Coker, Susan DeBlanc, Corey Wheeler, and Patrick Broussard, Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532. (gbachman@ext.msstate.edu).

7) The Limited Effect of Fertilizer Type and Nutritional Status on Growth of Salvia leucantha during Drought and Heat Stress. Andrea Grimsley* and Derald A. Harp. Department of Agricultural Sciences. Texas A&M University – Commerce, Commerce, TX 75429. (agrimsley@leo.tamu-commerce.edu).

8) The Role of Substrate and Environment in Early Seedling Growth in Rhododendron calendulaceum. Eric J. Limbird* and Nathan C. Phillips, School of Agribusiness and Agriscience, Middle Tennessee State University, Murfreesboro, TN 37132. (ejl2t@mtmail.mtsu.edu).

9) Water Use and Growth of Three Viburnum Species Under Three Shade Intensities. Arjina Shrestha and Janet C. Cole*, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078-6027. (janet.cole@okstate.edu).

Fruit Crops


12) Establishment of Pierce’s Disease Resistant Vitis vinifera Grapes in Alabama. Elina Coneva*, Edgar Vinson¹, and James 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).

13) Evaluation of Table Grape Selections in Alabama. Elina D. Coneva¹¹, Yilanna Hu¹¹, Edgar Vinson¹¹, and A. W. Caylor².¹¹01 Funchess Hall, Department of Horticulture, Auburn University, AL 36849. ²Alabama Agricultural Experiment Station, P.O. Box 1062, Cullman, AL 35056. (Edc0001@auburn.edu).


15) Incidence of Xylella Fastidiosa in Commercial Blueberry Orchards in Alabama. Elina D. Coneva¹¹, J.F. Murphy², and Edgar Vinson¹¹, ¹¹01 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, ²209 Life Sciences Building, Department of Entomology and Plant Pathology, Auburn University, Auburn, AL 36849. (edc0001@auburn.edu).

16) Peach Rootstock Trial in Alabama. Elina Coneva¹¹ and James 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).


18) emergence Herbicide Screening for Weed Control in Grapes. Eric T. Stafne¹, Lynn Brandenberger², Lynda Carrier², and Becky Carroll².¹Plant and Soil Sciences Department, Mississippi State University, Box 193, Poplarville, MS 39470, ²358 Ag Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, 74078. (lynbradenberger@okstate.edu).
20) Seasonal and Regional Variations in Antioxidant Components of Selected Rabbiteye Blueberry Cultivars Grown in Alabama. F. M. Woods¹, E. Coneva¹, K. Shetty², D. Šarkinš³, G. Miakonkanš³, A. Gebrekidan³, A. Caylor³, E. L. Vinson³, and B.D. Blasius¹. 101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, 2100 Holdsworth Way, Department of Food Science, University of Massachusetts, Amherst, Massachusetts, 221 Parker Hall, Mathematics and Statistics, Auburn, University, 36849, 4Alaska Agriculture Experiment Station, 765 County Rd. 1466, Cullman, AL 35055. (woodsfm@acesag.auburn.edu).

21U) Antioxidant capacity and phenolic profiles of some regular and decaffeinated teas. Sara Wetzstein⁴ and Weiguang Yi². 1Oxford College, Emory University, 100 Hamill Street, Oxford, GA 30054, 2Department of Horticulture, 1111 Miller Plant Science Bldg, University of Georgia, Athens, GA 30602. (abeyi@uga.edu).

22) Consumer Demand and Preference for Fresh Lotus Root. S.R. Sand⁴, D. Fields⁴, F.M. Woods⁵, A.N. Wright⁶, K.M. Tilt⁷, T.S. Huang⁸, L.Y. Man⁴, L. Yiman, and K.W. Dong. 100 Comer Hall, Department of Agriculture Economics, Auburn University, AL 36849, 2101 Funchess Hall, Department of Horticulture, Auburn University, 260 Lem Morrison Drive, Department of Poultry Science, Auburn University, 3Wuhan Vegetable Research Institute, Wuhan, Hubei Province, P.R. China. (fielded@auburn.edu).

23) Effect of Container Size on the Growth and Development of Edible Lotus (Nelumbo nucifera cv. E2) in Central Alabama. X. Wang⁹, F.M.Woods¹, K.M. Tilt¹, K. Shetty², D. Sarkar², T.S. Huang³, L.Y. Man⁴, L. Yiman, K.W. Dong, and B. Blasius¹, 101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, 2100 Holdsworth Way, Department of Food Science, University of Massachusetts, Amherst, Massachusetts, 3260 Lem Morrison.
24) **Evaluation of Cucurbit Rootstocks for Grafting in Triploid Watermelon (Citrullus lanatus) Production for 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).

25) **External Indicators Predict Maturity in Fruit of ‘Valdoria’ and ‘Vanessa’ Mini-watermelon.** Edgar L. Vinson, III*, Joseph M. Kemble, and Floyd Woods, Department of Horticulture, Auburn University, Auburn, AL 36849-5408. (vinsoed@auburn.edu).

26) **Growth and Yield Response of Four Tomato Varieties in the US Virgin Islands.** Dilip Nandwani1*, Thomas Zimmerman1, Vanessa Forbes1 and Stafford Crossman2, 1Agricultural Experiment Station, University of the Virgin Islands, Kingshill VI 00850, 2Cooperative Extension Service, University of the Virgin Islands, Kingshill, VI. 00850. (dnandwa@uvi.edu).

27) **Gypsum application improves both soil attributes and broccoli floret total sulfur concentrations.** D. J. Makus*, USDA-ARS Subtropical Agricultural Research Center, Weslaco, TX 78596. (donald.makus@ars.usda.gov).

28) **Influence of Time of Harvest and Development of Maturity Index in Lotus (Nelumbo spp.) and Antioxidant Properties.** P. X. Wang1, F.M.Woods1, K.M. Tilt1, K. Shetty2, D. Sarkar2, T.S. Huang3, 4L.Y. Man, 4L. Yiman, 4K. W. Dong, B. Blasius1, and R. Shevade1. 1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849. 260 Lem Morrison Drive, Department of Poultry Science, Auburn University, AL 36849, 4Wuhan Vegetable Research Institute, Wuhan, Hubei Province, P.R. China. (woodsfl@auburn.edu).
SAAS General Session and Business Meeting
Distinguished Panel Discussion on 50 Years after Birmingham: Reflections on the Changes in the Conditions of People Especially in Rural Alabama
Room: (Medical Forum Conference Center Auditorium (2nd floor))
Time: Sunday 4:00 pm – 6:00 pm

SAAS Reception/Super Bowl Party
Location: Old Car Heaven
Super Bowl Reception (continuous buses to run from hotel to Old Car Heaven) Jambalaya to be cooked by World Champion Jambalaya Cook Byron Gautreau
Time: Sunday 6:00 pm – till Monday, February 6, 2012

POSTERS
Room: SBH Birmingham Prefunction
Presiding: Thayne Montague
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (thayne.montague.ttu.edu)
Poster Viewing: Monday 8:00-10:30 am
Take-down: Monday, 12:30 pm – 3:30 pm

ANNUAL BUSINESS MEETING AND AWARDS PROGRAM
Room: MFCC Medical Forum Auditorium (Second Floor)
Time: 11:00 – 12:30
Presiding: Brian Kahn, President

VEGETABLE CROPS SECTION
Room: BJCC East Meeting Room F
Presiding: Juan Diaz Perez
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (jcdiaz@uga.edu).
Morning Session
8:00 Evaluation of Early Nitrogen Rates for Strawberry Cultivars. Bielinski M. Santos.
Department of Horticultural Sciences,
University of Florida, Gulf Coast REC, 14625 CR 672 Wimauma, FL 33598.
(tsalame@ufl.edu).
8:15 The Effects of Organic Fertilizers on Suppression of *Pythium aphanidermatum* in Tomato Plants. Yan Ma¹*, Maria Tomaso-Peterson², and Mengmeng Gu³. ¹Jiangsu Academy of Agricultural Sciences, 50 Zhongling Street, Nanjing, China 210014; ²Department of Plant Pathology, Mississippi State University, Box 9655, Mississippi State, MS 39762; ³Department of Horticultural Sciences, 225 Horticulture/Forestry Sciences Building 2134, Texas A&M University, College Station, Texas 77843-2134. (myjaas@sina.com).

8:30 Potential of Broiler Litter and a Fish-Protein Based Fertilizer as Organic Amendments for Several Specialty and Exotic Vegetable Crops. Loutrina Staley and Desmond G. Mortley. G.W. Carver Agricultural Experiment Station and Department of Agricultural and Environmental Sciences, Tuskegee University, Tuskegee AL 36088. (mortleyd@mytu.tuskegee.edu).

8:45 Comparison of Potassium Sources and Rates for Tomato Production in Florida Sandy Soils. Bielinski M. Santos. Department of Horticultural Sciences, University of Florida, Gulf Coast REC, 14625 CR 672 Wimauma, FL 33598. (bmsantos@ufl.edu).

9:00 Break

9:15 Evaluation of Nitrogen Rates for Tomato and Bell Pepper Growth and Yield under Protected Culture. Emmanuel A. Torres-Quezada*, Teresa P. Salame-Donoso, Carlos J. Mendez-Urbaez and Bielinski M. Santos. Department of Horticultural Sciences, University of Florida, Gulf Coast REC, 14625 CR 672 Wimauma, FL 33598 (bmsantos@ufl.edu).

9:30 Performance of Blueberry Cultivars under High Tunnels. Teresa P. Salame-Donoso* and Bielinski M. Santos. Department of Horticultural Sciences, University of Florida, Gulf Coast REC, 14625 CR 672 Wimauma, FL 33598. (bmsantos@ufl.edu).

9:45 Eggplant Yield as Affected by Drip Irrigation Rates. Juan Carlos Díaz-Pérez* and Touria El-Jaoual. ¹Department of Horticulture, University of Georgia, Tifton, GA 31793; ²Department of Plant, Soil & Insect Sciences, University of Massachusetts, Amherst, MA 01003.
10:00 Plant Growth and Yield of Kale Cultivars Under Plastic Film Mulch. Juan Carlos Díaz-Pérez1, Smiljana Goreta Ban2, Daniel Maclean3, Gvozden Dumičić2, Branimir Urlic2, Sarah Workman4. 1Department of Horticulture, University of Georgia, Tifton, GA 31793; 2Institute for Adriatic Crops, Put Duilova 11, 21 000 Split, Croatia; 3AgroFresh, 620 Cantrill Drive, Davis CA 95618; 4Warnell School and CAES Center for Agribusiness & Economic Development, University of Georgia, Athens, GA 30602

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

Afternoon Session

1:00 Effects of Grafting on Plant Growth, Yield and Fruit Quality of Seven Different Genotypes of Melons. Richard L. Hassell, Clemson University CREC, 2700 Savannah Highway, Charleston, SC. 29414. (rhassel@clemson.edu).

1:15 Extended season leafy greens for health and wealth: A report on cool season leafy greens production trials in high tunnels. L. Brandenberger1*, B. Kahn1, S. Gray2, J. Shrefler3, W. Roberts3, M. Taylor3, S. Upson4, C. Rohla4, J. Laughlin5, 1358 Ag Hall, Stillwater, OK 74078, 24116 E. 15 th, Tulsa, OK 74112, 3P.O. Box 128, Lane, OK 74555, 42510 Sam Noble Parkway, Ardmore, OK 73401, 5400 N. Portland Oklahoma City, OK 73107. (lynn.bradenberger@okstate.edu).

1:30 Water uptake, yield and fruit quality of specialty melons (Cucumis melo L.) under deficit irrigation. Sat Pal Sharma1*, Daniel I. Leskovar1, Kevin M. Crosby2 and Astrid Volder2,1Texas Agrilife Research and Extension Center, 1619 Garner Field Road, Uvalde, TX 78801, 2Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (sharma145@neo.tamu.edu).

1:45 Toward Genetic Improvement of Peppers for Desirable Colors, Antioxidants and Flavors: The Use of Heirloom Varieties. Ann M. Green*, Steve Sargent and Bala Rathinasabapathi, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690. (agreene175@ufl.edu).
2:00 Optimizing Abscisic Acid Foliar Application for Size Control of Pepper and Watermelon Transplants. Shinsuke Agehara* and Daniel I. Leskovar, Texas AgriLife Research, Department of Horticultural Sciences, Texas A&M University, Uvalde, TX 78801. (shinsuke.agehara@gmail.com).

2:15 ABA and Tray Cell Volume Impact Transplant Height in Bell Pepper Seedlings. Chris Gunter. Department of Horticultural Science, North Carolina State University, 230 Kilgore Hall, Box 7609, Raleigh, NC 27695-7609. (cgunter@ncsu.edu).

2:30 Winners from Two Years of Summer Cover Crop Screening in Mississippi and Louisiana. W.B. Evans1, C. Motsenbocker2, R. Mentreddy3, G. Panicker4, and V. Cerven1. 1Mississippi State University Truck Crops Branch, P.O. Box 231, Crystal Springs, MS 39059, 2School of Plant, Environmental, and Soil Sciences, Louisiana State University Agricultural Center, Baton Rouge, LA 70803, 3Dept. of Biological and Environmental Sciences, Alabama A&M University, AL 35763, 4School of AREAS, Alcorn State University, Alcorn State, MS 39096. (wbe@ra.msstate.edu).

FRUIT CROPS SECTION
Room: BJCC East Meeting Room I
Presiding: Jay Spiers
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (jds0017@auburn.edu).

Morning Session

8:00 Yield and Quality of Selected Rabbiteye Blueberry (Vaccinium ashei) Cultivars. Elina D. Coneva*, J. Sibley1, J. Spiers1, and A.W. Caylor2. 1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, 2North Alabama Horticulture Research Center, 765 County Road 1466, Cullman, AL 35055. (edc0001@auburn.edu).

8:15 Performance of blueberry cultivars under high tunnels. Teresa P. Salame-Donoso* and Bielinski M. Santos, Gulf Coast Research and Education Center, IFAS, University of Florida, 14625 CR 672, Wimauma, FL 33598. (tsalame@ufl.edu).

2:00 Optimizing Abscisic Acid Foliar Application for Size Control of Pepper and Watermelon Transplants. Shinsuke Agehara* and Daniel I. Leskovar, Texas AgriLife Research, Department of Horticultural Sciences, Texas A&M University, Uvalde, TX 78801. (shinsuke.agehara@gmail.com).

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8:15 Performance of blueberry cultivars under high tunnels. Teresa P. Salame-Donoso* and Bielinski M. Santos, Gulf Coast Research and Education Center, IFAS, University of Florida, 14625 CR 672, Wimauma, FL 33598. (tsalame@ufl.edu).
8:30 Status of China's Developing Blueberry Industry. David Creech*, Department of Agriculture, Stephen F. Austin State University, P.O. Box 13000, SFA Station, Nacogdoches, TX 75962. (dcreech@sfasu.edu).


9:00 Evaluation of fresh market peaches and nectarines for improved harvest and storage performance characteristics. John R. Clark1*, Paul J. Sandefur1, and Cameron P. Peace2. 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 239 Johnson Hall, Department of Horticulture and Landscape Architecture, Washington State University, Pullman, WA 99164. (jrclark@uark.edu).

9:15 Break

9:30 Effect of Self- and Cross-pollination on Fruit Set and Fruit Quality in Pomegranate (Punica granatum L.). Hazel Y. Wetzstein1*, Weiguang Yi2, and Nadav Ravid2, 1Department of Horticulture, University of Georgia, Athens, GA 20602, 2Paramount Farming Company, 33141 E. Lerdo Hwy, Bakersfield, CA 93308. (hywetz@uga.edu).

9:45 Susceptibility of Prunus Rootstock Cultivars to Peach Tree Short Life in South Carolina. Gregory L. Reighard*, David R. Ouellette and Kathy H. Brock, School of Agricultural, Forestry and Environmental Sciences, Clemson, University, Clemson, SC 29634. (grghrd@clemson.edu).

10:00 Influence of Nitrogen Fertilization Rates on Satsuma Mandarin Yield, Fruit Quality, and Growth. Jay D. Spiers1*, Bryan Wilkins2, and Larry Wells3, 1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, 2167 East Alabama Highway 134, Headland, AL 36345.

10:15 Extending strawberry season production and cultivar evaluation for Arkansas. M. Elena Garcia*, Christopher I. Vincent, and David Dickey. Horticulture Dept., University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu).
HORTICULTURE
10:30 Assessment of pecan industry in Arkansas. M. Elena Garcia* and David Dickey. Horticulture Dept., University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu).

10:45 Evaluation of Fresh Dug Strawberry Plants as an Alternative Method of Establishing Hoop House (High Tunnel) Strawberry Crops in Oklahoma. C. Rohla, and S. Upson, 2510 Sam Noble Parkway, Ardmore, OK 73401, (ctrohla@noble.org)

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

FLORICULTURE, ORNAMENALS AND TURF SECTION
Room: BJCC East Meeting Room G
Presiding: Paul A. Thomas
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: (pathomas@uga.edu).

Morning Session
8:00 The Effect of Salinity Stress on Miscanthus and Pennisetum Cultivars. Jianquin Gao*, and MengMeng Gu, 1 Jiangsu Academy of Agricultural Sciences, 50 Zhongling Street, Nanjing, China 210014. 2Department of Horticultural Sciences, 225 Horticulture/Forestry Sciences Building, 2134 Texas A&M University, College Station, Texas. 77843-2134. (chinagjq@163.com)

8:15 Planting Date and Fertilization Affect Scaevola Performance in the Landscape. Yan Chen*, Allen Owings, and Regina Bracy, Hammond Research Station, 21549 Old Covington Highway, Hammond, LA 70403. (yanchen@agcenter.lsu.edu)

8:30 Media CO2 Flux in a Texas Extensive Green Roof. Derald A. Harp* and Chris Dunlap, Department of Agricultural Sciences. Texas A&M University – Commerce, Commerce, TX 75429. (Derald_Harp@TAMU-Commerce.edu)

8:45 SFA Garden Survivors of the Texas Drought of 2010 and 2012. David Creech*, Stephen Austin State University, Department of Agriculture, P.O. Box 13000, Nacogdoches, TX 75962. (dchreech1@hotmail.com)

9:00 Break

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HORTICULTURE
10:30 Assessment of pecan industry in Arkansas. M. Elena Garcia* and David Dickey. Horticulture Dept., University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu).

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Room: BJCC East Meeting Room G
Presiding: Paul A. Thomas
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Morning Session
8:00 The Effect of Salinity Stress on Miscanthus and Pennisetum Cultivars. Jianquin Gao*, and MengMeng Gu, 1 Jiangsu Academy of Agricultural Sciences, 50 Zhongling Street, Nanjing, China 210014. 2Department of Horticultural Sciences, 225 Horticulture/Forestry Sciences Building, 2134 Texas A&M University, College Station, Texas. 77843-2134. (chinagjq@163.com)

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9:00 Break
9:15 Colored Shade Cloth Affects Growth of Basil, Cilantro, and Parsley. Shawn Appling*, John Freeborn, Joyce Latimer, Department of Horticulture, 301 Saunders Hall, Virginia Tech, Blacksburg, VA 24061-0327. (ashawn6@vt.edu)

9:30 Dikegulac Sodium Enhances Branching in Herbaceous Perennials During Plug Production. Mara Grossman*, John Freeborn, Holly Scoggins, and Joyce Latimer, Department of Horticulture, Virginia Tech, Blacksburg, VA 24061. (mgrossman@vt.edu)

9:45 On-The-Go Caliper and Counter Device for Shade and Fruit Tree Nursery Inventory Management. J. Owen*, S. Singh, W. Shi, H. Stoven, K. Lewis, S. Doane, M. Bergman, Virginia Polytechnic Institute and State University Hampton Roads Agricultural Research and Extension Center, 1444 Diamond Springs Road, Virginia Beach, VA 23455. (nsy.prod@vt.edu)

10:00 Development of an Inventory Management Tool for Nurseries Using an Unmanned Aerial Platform. J. Owen*, J. Robbins, R. Ehsani, D. Saraswat, J. Maja, H. Stoven, S. Doane, C. Landgren, Virginia Polytechnic Institute and State University Hampton Roads Agricultural Research and Extension Center, 1444 Diamond Springs Road, Virginia Beach, VA 23455. (nsy.prod@vt.edu)

10:15 Evaluating a More Sustainable Controlled Release Fertilizer for Ornamental Crops using a Struvite Byproduct from Waste-Water Treatment. J. Owen*, H. Stoven, J. Altland, J. Albano, Virginia Polytechnic Institute and State University Hampton Roads Agricultural Research and Extension Center, 1444 Diamond Springs Road, Virginia Beach, VA 23455. (nsy.prod@vt.edu)

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

Afternoon Session:

1:00 Home Gardener, Master Gardener and Green Industry Professional Selections from the Trial Gardens at the LSU Ag Center – 2011. Allen Owing*, Yan Chen, Regina Bracy, Roger Rosendale, and Joey Quebedeaux. LSU Ag Center. Hammond Research Station, 21549 Old Covington Highway, Hammond, LA 70403. (aowings@agcenter.lsu.edu)
1:15 Using Plantable Containers for Selected Ground-cover Plant Production. Dewayne L. Ingram* and Susmitha S. Nambuthiri, N-308F Ag Science North, University of Kentucky. Lexington, KY 40546-0091. (dingram@email.uky.edu).

1:30 Use of Controlled Water Deficit to Control Height of Poinsettias. Alem Peter*, Paul Thomas and Marc van Iersel, 1111 Miller Plant Science Building, The University of Georgia, Athens, GA 30602. (mvanier@uga.edu)

1:45 A Comparison of ABA and ABA-analog Prays for Reducing Transpiration in Pansies. Geoffrey Weaver* and Marc van Iersel. 1111 Miller Plant Science Building, The University of Georgia, Athens, GA 30602. (mvanier@uga.edu)

2:00 Break

2:15 Water Consumption of Gardenia jasminoides and Hydrangea macrophylla as Affected by Environmental Factors. Lucas O'Meara*, Matthew Chappell, John Ruter and Marc van Iersel*, 1111 Miller Plant Science Building, The University of Georgia, Athens, GA 30602. (mvanier@uga.edu)

2:30 Growth and Water use of Two Gardenia Species in Response to Substrate Water Content-based Irrigation. Mandy Bayer*, Lucas O'Meara, Alem Peter, Paul Thomas, Matthew Chappell, John Ruter and Marc van Iersel, 1111 Miller Plant Science Building, The University of Georgia, Athens, GA 30602. (mvanier@uga.edu)

2:45 Wireless Sensor Networked for Automated Irrigation Control in Greenhouses and Nurseries. Marc van Iersel*, Mandy Bayer, Lucas O'Meara, Alem Peter, Paul Thomas, Matthew Chappell, John Ruter and Sheryl Wells, 1111 Miller Plant Science Building, The University of Georgia, Athens, GA 30602. (mvanier@uga.edu)

3:00 Hardwood Mulch as a Weed Suppressant for Bittercress. Anna-Marie Murphy*, Charles H. Gilliam, and S. Chris Marble, 101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849. (murphan@auburn.edu).
3:15 Use of Auxin and Wounding Treatments for Hardwood Cutting Propagation of *Hibiscus mutabilis*. Eugene K. Blythe*, Coastal Research and Extension Center, Mississippi State University, South Mississippi Branch Experiment Station, Poplarville, MS 39470. (blythe@pss.msstate.edu)

**POST HARVEST/PLANT BIOTECHNOLOGY SECTION**

**Room:** BJCC East Meeting Room H  
**Presiding:** David Picha  
**Abstracts:** To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: (dpicha1@lsu.edu).

8:00 Carbohydrate changes in sweetpotato roots during curing. D.H. Picha and M. S. Bowen. School of Plant, Environmental and Soil Sciences, Louisiana State University, Baton Rouge, LA.

8:15 Controlled atmosphere regulation of sweetpotato composition. D.H. Picha and M. S. Bowen. School of Plant, Environmental and Soil Sciences, Louisiana State University, Baton Rouge, LA.

8:30 Developing a protocol for rating storage life of muscadine grapes. P. Perkins-Veazie. Plants for Human Health Institute, North Carolina State University, Kannapolis, NC.

8:45 Carotenoid content of raspberries and blackberries. P. Perkins-Veazie. Plants for Human Health Institute, North Carolina State University, Kannapolis, NC.

9:00 Raspberries fruit flavonoids differ with germplasm and production environment in the southern U.S. C. Bradish, P. Perkins-Veazie, and G. Fernandez. Department of Horticulture, North Carolina State University, Raleigh, NC.


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: MFCC Medical Forum A
(Second Floor)

National Sweet Potato Collaborators Group
Presiding: Ramon Arancibia
(raa66@msstate.edu)
Saturday: 8:00 am – 5:00 pm
Room: MFCC Medical Forum A
(Second Floor)

Sweetpotato Production, Physiology, and Plant/Seed Production
Presiding: Jonathan Schultheis (North Carolina State University) (jonr@ncsu.edu).

9:00 Plant and Harvest Times, and Overhead Irrigation and their Influence on Sweetpotato Yields. Jonathan R. Schultheis* and William (Brad) B. Thompson, North Carolina State University, Dept. Horticultural Science, Box 7609, Raleigh, NC 27695-7609. (jonathan_schultheis@ncsu.edu).

9:15 Determining the water requirements of drip-irrigated sweetpotatoes in California. Scott Stoddard1*, Bob Weimer2 and Larry Schwankle3, 1University of California Cooperative Extension, 2145 Wardrobe Ave., Merced, CA 94301; 2Weimer Farms, 5120 N. Arena Way, Atwater CA 95301; 3University of California Cooperative Extension, Kearney Ag Center, 9240 S. Riverbend Ave., Parlier, CA 93648. (csstoddard@ucdavis.edu).

9:30 Drip-Irrigation, Plant Spacing and Time of Harvest Influence Sweetpotato Marketable Yield. Ramon A. Arancibia* and Jeff Main, Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863. (raa66@msstate.edu).

9:45 Changes in Phenolic Content in Sweetpotato Subjected to Water Stress and Virus Infections. Ramon A. Arancibia, Xiang Wang*, Jeff Main, and Mark Shankle, Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863. (raa66@msstate.edu).
10:00 Lateral root density is associated with anomalous cambium development in ‘Beauregard’ sweetpotato adventitious roots. Arthur Villordon1*, Don LaBonte2, Julio Solis3, and Nurit Firon4, LSU AgCenter Sweet Potato Research Station, Chase, LA 71324 USA; 1,2,3 LSU AgCenter Sweet Potato Research Station, Chase, LA 71324 USA; 3 LSU AgCenter College of Plant, Environmental, and Soil Sciences, 137 J.C. Miller Hall, Baton Rouge, LA 70803-2120 USA; 3 Institute of Plant Sciences, The Volcani Center, Agricultural Research Organization, P.O. Box 6, Bet Dagan, 50250, Israel. (avillordon@agcenter.lsu.edu).

10:15 Beauregard’ and ‘Evangeline’ adventitious root developmental response to 1-MCP treatment. Arthur Villordon1*, Christopher Clark2, Don LaBonte3, and Nurit Firon4. LSU AgCenter Sweet Potato Research Station, Chase, LA 71324 USA; 1 LSU AgCenter Department of Plant Pathology and Crop Physiology, 302 Life Sciences Bldg., Baton Rouge, LA 70803-2120 USA; 1 LSU AgCenter School of Plant, Environmental, and Soil Sciences, 137 J.C. Miller Hall, Baton Rouge, LA 70803-2120 USA; 3 Institute of Plant Sciences, The Volcani Center, Agricultural Research Organization, P.O. Box 6, Bet Dagan, 50250, Israel. (avillordon@agcenter.lsu.edu).

10:30 Break

11:00 Fertilizer Applications to Mississippi Sweetpotato. Mark W. Shankle*, Trevor F. Garrett, 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. (shankle@ra.msstate.edu).

11:15 On-farm Validation of a Prototype Production Model for Storage Root Yield in Louisiana: Observation from Producer Fields. T. P. Smith*, A. Villordon, T. Arnold, Sweet Potato Research Station, LSU Agricultural Center, Chase, LA 71324. (TSmith@agcenter.lsu.edu).

11:30 Winter Cover Crops Effect on Soil Characteristics and Sweetpotato Production 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. (jmain@ra.msstate.edu).

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10:30 Break

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11:30 Winter Cover Crops Effect on Soil Characteristics and Sweetpotato Production 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. (jmain@ra.msstate.edu).
11:45 Use of Stale Beds in North Mississippi Sweetpotato Production. 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. (jmain@ra.msstate.edu).

NSCG Student Contest
Presiding: Ramon A. Arancibia (Mississippi State University); raa66@msstate.edu.

1:00 Infection of sweetpotato by fungal end rot pathogens prior to harvest. W. L. da Silva, and C. A. Clark, Department of Plant Pathology and Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803. (washingtonufv@gmail.com).

1:15 Evaluation of Cover Crops and Tillage Systems as IPM Components for Sustainable Sweetpotato Production Systems. Arun Babu1*, Fred R. Musser1, Jack T. Reed1, Ramon A. Arancibia2 and Jeff Main2, 1Department of Biochemistry, Mol. Biol., Entomology & Plant Pathology, Mississippi State University, Starkville, MS 39759; 2Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, 8320 Hwy 15 South, Pontotoc, MS 38863. (christyhorti@gmail.com).

1:30 A systems approach to managing Palmer amaranth in sweetpotatoes. S. L. Meyers*, K. M. Jennings, D. W. Monks, North Carolina State University, Department of Horticultural Science, Box 7609, 2721 Founders Drive, Raleigh, NC 27695-7609. (slmeyers@ncsu.edu).

1:45 Transplant Holding Time and Environment Affects Yield and Stand of Sweetpotato. William (Brad) B. Thompson*, David W. Monks, Katharine M. Jennings and Jonathan R. Schultheis, North Carolina State University, Department of Horticultural Science, Box 7609, 2721 Founders Drive, Raleigh, NC 27695-7609. (brad_thompson@ncsu.edu).

2:00 Sweetpotato growth and developmental responses to soil moisture deficits during the early-season. Gajanayake Karande1, K. Raja Reddy1, Mark Shankle2 and Ramon Arancibia2, 1Department of Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762, 2Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863. (jmain@ra.msstate.edu).
2:15 Nitrogen fertilizer rate influences greenhouse sweetpotato plant production. Chen Jiang*, Zvezdana Pesic-VanEsbroeck and Jonathan R. Schultheis, North Carolina State University, Department of Horticultural Science, Box 7609, 2721 Founders Drive, Raleigh, NC 27695-7609.(cjiang5@ncsu.edu).

2:30 Determining the Resistance to Fracture and the Breaking Point of Sweetpotato Periderm by Three Mechanical Testers. Nestor Bonilla¹*, Ramon A. Arancibia²*, Frank Matta¹, Juan Silva³, Don LaBonte⁴, Mark Shankle⁵, and Raja Reddy⁶, ¹Plant and Soil Sciences Dept. Mississippi State University, 117 Dorman Hall, Mississippi State, MS 39762; ²Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863; ³Food Sciences, Nutrition and Health Promotion, Mississippi State University, Miss. State, MS; ⁴School of Plant, Environmental, and Soil Sciences, Louisiana State University Agricultural Center, Baton Rouge, LA 70803. (njb13@msstate.edu).


3:00 Break

3:30 Prospects for Evaluating Shape and Size Characteristics of Sweetpotatoes (Ipomoeas batatas L.) Using Digital Image Analysis. Robert L. Vick, Jr. and Michael D. Boyette, Department of Biological and Agricultural Engineering, North Carolina State University, Raleigh, NC 27695-7625. (rlvick@ncsu.edu).

3:45 Advances in Sweetpotato Storage Conditions in North Carolina. Jose Garzon* and Michael Boyette. Department of Biological and Agricultural Engineering, North Carolina State University, Campus Box 7625, Raleigh, NC 27695. (jggarzon@ncsu.edu).

4:00 Identification of novel genes associated with the onset of storage root formation and in response to drought stress. Julio Solis¹, Arthur Villordon², Nurit Firon³, Niranjan
4:15 Combining ability of sweetpotatoes for traits of industrial importance. Steven Todd¹, Van-Den Truong², Ken Pecota¹, G. Craig Yencho¹, Department of Horticultural Science, North Carolina State University. ¹2721 Founders Drive, Raleigh, NC, 27695; ²USDA-ARS Food Science Research Unit, 322 Schaub Hall, NCSU Box 7624, Raleigh, NC, 27695. (dmiller@agcenter.lsu.edu).

4:30 Interspecific hybridization of Sweetpotato (Ipomoea batatas L.) with Morning Glory Species (Ipomoea spp L.). Benjamin K. Winslow¹, Shyamalrau P. Tallury², and G. Craig Yencho¹, ¹North Carolina State University, 1214-A Kilgore Hall, Raleigh, NC 27695-7609; ²North Carolina State University, 216 Method Unit 3, Raleigh, NC, 27695-7629. (ben_winslow@ncsu.edu).

4:45 Plant Spacing Impacts on Herbicide Programs. Donnie K. Miller¹*, T. P. Smith², and M. Mathews¹. ¹Northeast Research Station, LSU Agricultural Center, St. Joseph, LA, ²Sweet Potato Research Station, LSU Agricultural Center Chase, LA 71324. (dmiller@agcenter.lsu.edu).

5:00 Sweetpotato Poster session
Room: MFCC Medical Forum A (Second Floor)

1. Atmospheric conditions effect the growth and development of Rhizopus stolonifera and Penicillium. R. R. Sweeny¹, D.H. Picha², and C.A. Clark¹, Department of Plant Pathology and Crop Physiology¹; School of Plant, Environmental and Soil Sciences², Louisiana State University, Baton Rouge, LA 70803. (dpicha@agctr.lsu.edu).

2. Identification of genes involved during healing in response to skinning injury in sweetpotato [Ipomoea batatas (L.) Lam.]. Jollanda Effendy, Don La Bonte, Niranjan Baisakh, School of Plant, Environmental, and Soil Sciences, Louisiana State University Agricultural Center, Baton Rouge, LA 70803. (dlabonte@agcenter.lsu.edu).

3. Atmospheric conditions effect the growth and development of Rhizopus stolonifera and Penicillium. R. R. Sweeny¹, D.H. Picha², and C.A. Clark¹, Department of Plant Pathology and Crop Physiology¹; School of Plant, Environmental and Soil Sciences², Louisiana State University, Baton Rouge, LA 70803. (dpicha@agctr.lsu.edu).

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Sunday, February 5, 2012

Sweetpotato Insect, Disease, and Weed Management

Presiding: Mark Shankle (Mississippi State University); (shankle@ra.msstate.edu).

8:00 Weed Management Issues in Sweetpotato Production. Mark W. Shankle*, Trevor F. Garrett, Ramon A. Arancibia, and Issah A. Abukari. Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863. (shankle@ra.msstate.edu).

8:15 Evaluation of Selected Insecticides Regimes for Management of Sugarcane Beetle in Sweetpotato. T. P. Smith*, L. Adams, R. Luttrell, T. Arnold. 1Sweet Potato Research Station, LSU Agricultural Center, Chase, LA; 2Southern Insect Management Research Unit, USDA, Stoneville, MS. (TSmith@agcenter.lsu.edu).

8:30 Use of insecticides to control the spread of sweetpotato leaf curl virus in sweetpotato fields. D. Michael Jackson*, Kai-Shu Ling, and Alvin M. Simmons. USDA-ARS, U.S. Vegetable Laboratory, 2700 Savannah Highway, Charleston, SC 29414. (Mike.Jackson@ars.usda.gov).

8:45 Potyvirus incidence in Mississippi sweetpotato fields and effect on storage root initiation. Ramon A. Arancibia*, Chris Clark, Lori Grelen, Everlyne Wosula, Xiang Wang, and Jeff Main. 1Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863; 2Department of Plant Pathology and 1Sweet Potato Research Station, LSU Agricultural Center, Chase, LA, MS. (Raman.A.Arcibia@ars.usda.gov).
9:00 Diversity, Densities, and Distribution of Microbial Communities in Sweetpotato End/Tip Rot Diseases. C.E. Stokes*, S.W. Woolfolk, R.A. Arancibia2, and R.E. Baird1, 1Department of Biochemistry, Molecular Biology, Entomology and Plant Pathology, Mississippi State University, MS 39762; 2Pontotoc Ridge-Flatwoods Branch Experiment Station, North Mississippi Research and Extension Center, Mississippi State University, Pontotoc, MS 38863. (bstokes@plantpath.msstate.edu).

9:15 Evaluation of postharvest hot water treatments and bio-control agents for suppression of Rhizopus soft rot on sweetpotatoes. R. R. Sweany1, D.H. Picha2, and C.A. Clark1, 1Department of Plant Pathology and Crop Physiology; 2School of Plant, Environmental and Soil Sciences, Louisiana State University, Baton Rouge, LA 70803. (dpicha@agctr.lsu.edu).

Sweetpotato Post Harvest Physiology, Food Science, and Marketing
Presiding: Arnold Caylor (Auburn University) (cayloaw@auburn.edu).

9:30 Effect of curing temperature and duration on sweetpotato sugar content. D.H. Picha* and M. S. Bowen, School of Plant, Environmental and Soil Sciences, Louisiana State University, Baton Rouge, LA 70803. (dpicha@agctr.lsu.edu).

9:45 Atmospheric gas composition influences sweetpotato carbohydrate content. D.H. Picha* and M. S. Bowen, School of Plant, Environmental and Soil Sciences, Louisiana State University, Baton Rouge, LA 70803. (dpicha@agctr.lsu.edu).

10:00 Baked Sweetpotato (Ipomoea batatas L. Lam) Quality is Affected by Preharvest Ethylene and Postharvest Curing. Ershad Sheibani1, Ramon Arancibia2, Taejo Kim1, Jeff Main2, David H. Picha3, Frank B. Matta4, and Juan L. Silva1, 1Department of Food Science, Nutrition and Health Promotion, Mississippi State University, Miss. State, MS 39762; 2NMREC-Pontotoc Ridge-Flatwoods Branch Experiment Station, Mississippi State University, Pontotoc, MS 38863; 3School of Crop Physiology, Louisiana State University, Baton Rouge, LA 70803. (raa66@msstate.edu).

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10:15 Drying Sweetpotatoes for Value Added Products. Michael D. Boyette, Ph.D., P.E, Department of Biological and Agricultural Engineering, North Carolina State University. (mike_boyette@ncsu.edu).

10:30 Break

Watermelon Research Group
Presiding: Jonathan Schultheis, Chair
(jonr@ncsu.edu)
Sunday: 8:00 am – 4:00 pm
Room: SBH Birmingham Ballroom XI

Watermelon Fruit Age and Development of Phytophthora fruit rot on resistant and susceptible lines. Chandrasekar S. Kousik* and Jennifer L. Ikerd, U.S. Vegetable Laboratory, USDA, ARS, Charleston, SC 29414. (Shaker.Kousik@ar.usda.gov).

The Effect of Growth Regulator Applications and Pollen Availability on Fruit Set and Hollow Heart in Triploid Watermelons. Gordon C. Johnson* and Emmalea G. Ernest, University of Delaware, Carvel REC, 16483 County Seat Highway, Georgetown, DE 19947. (gcjohn@udel.edu).

Delaware Triploid Watermelon Cultivar Evaluations and Pollenizer Cultivar Evaluations for Triploid Watermelon Production. Gordon C. Johnson and Emmalea G. Ernest*, University of Delaware, Carvel REC, 16483 County Seat Highway, Georgetown, DE 19947. (gcjohn@udel.edu).

Effects of Grafted Transplants on Postharvest Fruit Quality of Three Different Seedless Watermelon Cultivars. Richard L. Hassell, Clemson University CREC, 2700 Savannah Highway, Charleston, SC. 29414. (rhassel@clemson.edu).

Watermelon Cultivar Yield and Quality Results in North Carolina 2010 Trial. Jonathan R. Schultheis* and William(Brad) B. Thompson. North Carolina State University, Kilgore Hall, 2721 Founders Drive, Box 7609, Raleigh, NC 27695-7609. (jonathan_schultheis@ncsu.edu).

Genetic Diversity among Citrullus lanatus var. lanatus and C. lanatus var. citroides Pls Useful for Enhancing Disease or Pest Resistance Among Watermelon Cultivars. Amnon Levi*, Judy A. Thies, 120

Genetic Diversity among Citrullus lanatus var. lanatus and C. lanatus var. citroides Pls Useful for Enhancing Disease or Pest Resistance Among Watermelon Cultivars. Amnon Levi*, Judy A. Thies,
**Evaluation of triploid watermelon cultivars for resistance to Fusarium wilt.** Kathy L. Everts, University of Maryland, Department of Plant Science and Landscape Architecture, College Park, MD 20742. (keverts@umd.edu).

**Effect of SqVYV Resistant Pollinizers on Development and Spread of Watermelon Vine Decline on Seedless Watermelon.** C.S. Kousik*, Scott Adkins*, Craig Webster*, William Turechek* and Pamela D. Roberts*, 1U.S. Vegetable Laboratory, USDA, ARS, Charleston, SC 29414, 2Clemson Coastal Research & Education Center, Clemson University, Charleston, SC 29414. (Judy.Thies@ars.usda.gov).

**Impact of pre-plant ABA applications on growth and yield of watermelon transplants.** Daniel I. Leskovar* and Shinsuke Agehara, Texas AgriLife Research, Texas A&M System, 1619 Garner Field Rd., Uvalde TX 78801. (d-leskovar@tamu.edu).

**Building an “All About Blueberries” Web Portal to Share Knowledge and Sustain Blueberry Production.** Elina Coneva*, D. Dickey, and C. Vincent, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu).

**Extending the Season for Strawberry Production in Arkansas.** M. Elena Garcia*, D. Dickey, and C. Vincent, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu).
National Cowpea Improvement Assoc.
Presiding: J. Trachta, Chair
(john@ctsmithco.com)
Sunday: 1:00 pm – 4:00 pm
Room: SBH Birmingham Ballroom III

Horticulture Administrators
Presiding: Doug Bailey, Chair
(dabailey@uga.edu)
Saturday: 1:00 pm – 4:00 pm
Room: SBH Jefferson Boardroom 2

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

Pecan Research and Extension Forum
Presiding: Monty Nesbitt, Chair
(mlnesbitt@ag.tamu.edu)
Saturday: 8:00 am – 5:00 pm
Room: Birmingham Ballroom V/IX

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Sunday, February 5

7:00-7:50 Registration (Birmingham-Jefferson Convention Center, East Meeting Room First Floor Registration Room)

7:50-8:00 Welcome – David Langston, SDAPS President (Birmingham-Jefferson Convention Center, East Meeting Room A)

STUDENT PRESENTATIONS – Boyd Padgett, SDAPS Past-President, presiding (Birmingham-Jefferson Convention Center, East Meeting Room A)

8:00-8:12 Degradation of wheat straws under different soil moisture and temperature conditions and their ability to support perithecia development by *Fusarium graminearum*. A. Subedi and K. L. Bowen, Auburn University, Auburn, AL.

8:12-8:24 Effect of planting date, fungicide timing and varietal tolerance on development of narrow leaf spot of rice. K. Kaur (1), C. Hollier (1) and D. Groth (2), (1) Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803; (2) Rice Research Station, Louisiana State University Agricultural Center, Rayne, LA 70578.

8:24-8:36 Evaluation of soybean recombinant inbred line (RIL) derived sister lines for resistance to *Phakopsora pachyrhizi*. M. Ganiger (1), D. R. Walker (2) and Z.-Y. Chen (1), (1) Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803; (2) USDA-ARS Soybean/Maize Germplasm, Pathology, and Genetics Research Unit, Urbana, IL 61801.
8:36-8:48 Infection of sweetpotato by fungal end rot pathogens prior to harvest. W. L. da Silva and C. A. Clark. Department of Plant Pathology and Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.

8:48-9:00 An emerging problem for Celtis spp. - a novel ampelovirus associated with mottling symptoms. J. Zhou (1), K. Keller (2), R. Martin (2) and I. Tzanetakis (1), (1) University of Arkansas, Fayetteville, AR; (2) USDA-ARS, Corvallis, OR.

9:00-9:12 Molecular and biochemical characterization of resistance to Botrytis cinerea in Solanum lycopersicoides. J. E. Smith (1), B. G. Mengesha (2), T. D. Mengiste (2) and B. H. Bluhm (1), (1) University of Arkansas, Fayetteville, AR; (2) Purdue University, West Lafayette, IN.


9:24-9:36 Regulation of the virulence factors by the TofI/TofR quorum-sensing system in Burkholderia glumae: the major pathogen causing bacterial panicle blight of rice. R. Chen, I. K. Bharphagha and J. H. Ham, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.

9:36-9:48 Mapping the extent of Loblolly Pine Decline in Alabama and Georgia. M. Meyerpeter and L. Eckhardt. Forest Health Cooperative, Forest Health Dynamics Lab, School of Forestry and Wildlife Sciences, Auburn University, AL.
10:00-10:12 Identification and analysis of differentially expressed maize WRKY transcription factors in response to *Aspergillus flavus* colonization of resistant and susceptible germplasm. **J. C. Fountain**, Y. Raruang and Z.-Y. Chen. Louisiana State University Agricultural Center, Dept. of Plant Pathology and Crop Physiology, Baton Rouge, LA 70803.

10:12-10:24 Effect of citrus juice on viability of *Candidatus Liberibacter asiaticus* in liquid suspension. **S. R. Witosky** (1), J. K. Parker (2), F. Navarrete (2), M. Hilf (3), K. R. Sims (3) and L. de la Fuente (2), (1) Department of Biological Sciences, Auburn University, Auburn, AL 36830; (2) Department of Entomology and Plant Pathology, Auburn University, Auburn, AL 36830; (3) USDA-ARS, U. S. Horticultural Research Laboratory, Ft. Pierce, FL 34945.

10:24-10:36 Characterization and detection of a new *Botrytis* species from blackberry. **X. P. Li**, D. Fernandez-Ortuno and G. Schnabel. School of Agricultural, Forest & Environmental Sciences, Clemson University, SC 29634.

10:36-10:48 Relationships among defoliation by leaf spot, canopy reflectance and yield in new runner-type peanut cultivars. **P. A. Navia Gine** (1), A. K. Culbreath (1), B. L. Tillman (2) C. C. Holbrook (3), W. D. Branch (4) and N. B. Smith (5), (1) Dept. of Plant Pathology, Univ. of Georgia, Tifton, GA 31793-0748; (2) North Florida REC, Agronomy Dept., Univ. of Florida, Marianna, FL 32446; (3) USDA-ARS, Crop Genetics and Breeding Research Unit, Tifton, GA 31793; (4) Dept. of Crop and Soil Sciences, University of Georgia, Tifton, GA 31793; (5) Dept. of Agricultural and Applied Economics, Univ. of Georgia, Tifton, GA 31793.
10:48-11:00  Epidemiology of soybean rust on kudzu and soybean. **H. M. Young** (1), D. L. Wright (1), N. S. Dufault (2), and J. J. Marois (1), (1) University of Florida, NFREC, Quincy, FL; (2) University of Florida, Gainesville, FL.

11:00-11:12  Evaluating peanut rust resistance in newly developed peanut breeding lines. **I. L. Power** (1), A. K. Culbreath (1) and B. L. Tillman (2), (1) Department of Plant Pathology, University of Georgia, Tifton, GA 31793; (2) North Florida REC, Agronomy Department, University of Florida, Marianna, FL 32446.


11:24-11:36  Assessing the impacts of cogongrass (*Imperata cylindrica* (L.) Beauv) on root-feeding bark beetle populations associated with Southern Pine Decline. **B. Brunson** and L. Eckhardt. Forest Health Dynamics Laboratory, School of Forestry and Wildlife Sciences, Auburn University, Auburn, AL.

11:36-11:48  Genetic and phenotypic variations among *Burkholderia glumae* strains, the causal agent of bacterial panicle blight of rice. **H. S. Karki** (1), B. K. Shrestha (1), D. E. Groth (2) and J. H. Ham (1), (1) Department of Plant Pathology and Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, Louisiana 70803; (2) Rice Research Station, Louisiana State University Agricultural Center, Rayne, LA 70578.

11:48-12:00  Comparative genomic analyses of the rice pathogenic *Burkholderia glumae* strains reveals plasticity among the genomes. **F. Francis** (1),
STUDENT PRESENTATIONS – Boyd Padgett, SDAPS Past-President, presiding (Birmingham-Jefferson Conference Center, East Meeting Room A)

1:00-1:12 Visual and electronic comparisons of detached strawberry leaves inoculated with two Colletotrichum species. **M. A. Miller-Butler** (1), K. J. Curry (1), B. R. Kreiser (1) and B. J. Smith (2), (1) University of Southern Mississippi, Department of Biological Sciences, Hattiesburg, MS; (2) USDA-ARS Poplarville, MS.

1:12-1:24 Effects of environment and genotype on charcoal rot development on soybeans. **M. D. Doubledee** (1), J. C. Rupe (1), C. S. Rothrock (1), S. G. Bajwa (2), A. J. Steger (1) and R. T. Holland (1), (1) University of Arkansas Department of Plant Pathology, Fayetteville, AR; (2) University of Arkansas Department of Biological & Agricultural Engineering, Fayetteville, AR.

1:24-1:36 Thinning affects on incidence of ophiostomatoid fungal species in decline-impacted Pinus taeda stands. **Y. Zeng** and L. G. Eckhardt. Forest Health Cooperative, Forest Health Dynamics Lab, School of Forestry and Wildlife Sciences, Auburn University, Auburn, AL.

1:36-1:48 Characterization of a recombinant inbred line (RIL) population for resistance to late leaf spot in cultivated peanut (Arachis hypogaea). **R. Gill** (1), A. Culbreath (1), C. Holbrook (2) and P. Ozias-Akins (1), (1) University of Georgia, Tifton, GA; (2) USDA-ARS, Tifton, GA.

Host plant, aphid species and virus infection status influence on acquisition and transmission of *Sweet potato feathery mottle virus*. **E. Wosula** (1), C. A. Clark (1) and J. A. Davis (2), (1) Department of Plant Pathology & Crop Physiology and (2) Department of Entomology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.

Tracking asymptomatic foliar infections of pecan anthracnose. **T. W. Ingram** and T. B. Brenneman, Department of Plant Pathology, University of Georgia, Tifton, GA.

Comparison of methods for isolation and quantification of *Rhizoctonia* spp. from field soil. **T. N. Spurlock** (1), C. S. Rothrock (1), and W. S. Monfort (2). (1) Department of Plant Pathology University of Arkansas, Fayetteville, AR; (2) Department of Entomology Soils, and Plant Sciences, Clemson University, Blackville, SC.

Variation in resistance of *Pinus taeda* and *P. elliottii* families against *Leptographium* root infecting fungi. **A. Singh**, D. D. Anderson and L. G. Eckhardt. Forest Health Cooperative, Forest Health Dynamics Laboratory, School of Forestry and Wildlife Sciences, Auburn University, AL.

The in vitro evaluation of fungicide systemicity for the control of *Sclerotium rolfsii* on tomato with soil and foliar applications. **M. J. Roberts**, D. B. Langston and T. B. Brenneman, Department Plant Pathology, University of Georgia, Tifton, GA.
3:12-3:24 Genetic diversity of *Phytophthora capsici* recovered from pepper in Southern France. D. Gobena (1), M. Cantet (2), V. Lefebvre (2) and K. Lamour (3). (1) Genome Science and Technology Graduate Program, University of Tennessee, Knoxville TN; (2) INRA - UR 1052 - Unité de Génétique et d'Amélioration des Fruits et Légumes; (3) Department of Entomology and Plant Pathology, University of Tennessee, Knoxville TN.


3:36-3:48 Development of Single Nucleotide Polymorphism (SNP) markers for *Phytophthora colocasieae*. S. Shrestha (1), J. Mudge (2), N. A. Miller (2) and K. Lamour (1). (1) Department of Entomology and Plant Pathology, University of Tennessee, Knoxville, TN; (2) National Center for Genome Resources, Santa Fe, NM.

3:48-4:00 Effect of initial fungicide application timing and cultivar on peanut pod rot on the High Plains of Texas. L. D. Thiessen (1) and J. E. Woodward (1,2). (1) Dept. of Plant & Soil Science, Texas Tech University, Lubbock, TX 79409; (2) Texas AgriLife Extension, Lubbock, TX 79403.

4:00-4:12 Diagnosis of centipedegrass anthracnose caused by *Colletotrichum eremochloae* sp. nov. P. L. Vines (1), M. Tomaso-Peterson (1) and J.A. Crouch (2). (1) Mississippi State University, Mississippi State, MS 39762; (2) Systematic Mycology and Microbiology Laboratory, USDA-ARS, Beltsville, MD 20705.
Investigating effective management strategies for *Ustilaginoidea virens* on *Oryza sativa*. A. Jecman and D. O. TeBeest, Department of Plant Pathology, University of Arkansas, Fayetteville, AR 72701.

A new mechanism of DMI fungicide resistance in *Monilinia fructicola*. F. P Chen (1), G. Schnabel (2) and X. L. Liu (1), (1) College of Agriculture and Biotechnology, China Agricultural University, Beijing 100193; (2) Department of Entomology, Soils and Plant Sciences, Clemson University, Clemson, SC 29634.

### Monday, February 6

7:30-8:00 Registration (Birmingham-Jefferson Conference Center, East Meeting Room First Floor Registration Room)

7:55-8:00 Announcements – David Langston, SDAPS President (Birmingham-Jefferson Conference Center, East Meeting Room A)

**SYMPOSIUM:** “Bacterial Plant Pathogens and Antagonists” – J. H. Ham, presiding, (Birmingham-Jefferson Conference Center, East Meeting Room A)

8:00-8:30 “Genetic dissection of the regulatory network that controls virulence genes of *Burkholderia glumae*.” J. H. Ham
(1), H. S. Karki (1), R. Chen (1), I. Kaur (1), F. Francis (1), J. Kim (2) and R. Melanson (1). (1) Dept. of Plant Pathology & Crop Physiology, Louisiana State University, Baton Rouge, LA 70803; (2) Center for Computation and Technology (CCT), Louisiana State University, Baton Rouge, LA 70803.

8:30-9:00 “The dynamic taxonomy of plant pathogenic bacteria.” C. T. Bull, USDA-ARS, Salinas, CA 93905-3018.

9:00-9:30 “Effect of Acidovorax citrulli localization in watermelon seeds on pathogen detection and seed-to-seedling transmission of bacterial fruit blotch.” R. Walcott, University of Georgia, Athens, GA 30602.

9:30-9:40 Break


10:10-10:35 “Characterization and genetic analysis of rhizobacteria antagonistic to plant pathogens.” S. Lu (1), S. Baird (1) and J. Xu (2), (1) Department of Biochemistry, Molecular Biology, Entomology and Plant Pathology, Mississippi State University, Mississippi State, MS 39762; (2) Institute of Food Quality and Safety Detection, Jiangsu Academy of Agricultural Sciences, Nanjing 210014, China

10:35-10:48 Discussion

CONTRIBUTED PAPERS – presiding (Birmingham-Jefferson Conference Center, East Meeting Room A)

10:48-11:00 Host and non-host infection by Cercospora zeae-maydis and Cercospora beticola: host sensing, stomatal tropism and initiation of stomatal. R. L. Hirsch and B. H. Bluhm, University of Arkansas, Fayetteville, AR.
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
<th>Affiliations</th>
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<tr>
<td>11:00-11:12</td>
<td>Efficacy of the fungicide fluopyram and cultivar performance for management of Sclerotinia blight of peanut in Texas.</td>
<td>J. E. Woodward (1), T. A. Baughman (1) and R. Perkins (2), (1) Texas AgriLife Extension Service, Lubbock, TX 79403; (2) Bayer CropScience, Idalou, TX 79329.</td>
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<td>11:12-11:24</td>
<td>Peanut cultivar improvements in field resistance to Tomato spotted wilt virus in the southeastern U.S.</td>
<td>A. K. Culbreath (1), W. D. Branch (1), C. C. Holbrook (2), D. W. Gorbet (3) and B. L. Tillman (3), (1) University of Georgia, Tifton, GA; (2) USDA-ARS, Coastal Plain Experiment Station, Tifton, GA; (3) University of Florida, NFREC, Marianna, FL.</td>
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<td>11:36-11:48</td>
<td>Impact and management of fungal foliar diseases of cotton in Georgia.</td>
<td>R. C. Kemerait (1), F. H. Sanders, Jr. (1), A. M. Fulmer (1), J. T. Walls (1), T. Flanders (2), M. Crosby (2), J. Kichler (2), R. Ethredge (2), J. Jacobs (2), J. Crawford (2), C. Riner (2), G. H. Harris (3), R. J. Byrne (2) and R. G. McDaniel (4), (1) Department of Plant Pathology, the University of Georgia, Tifton, GA; (2) UGA Cooperative Extension; (3) Department of Crop and Soil Sciences, the University of Georgia, Tifton, GA; (4) Screven Gin, Sylvania, GA.</td>
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<td>11:48-12:00</td>
<td>The role of cymoxanil and famoxadone in the management of bacterial spot on.</td>
<td>J. Fayette, P. D. Roberts, K. L. Pernezny and J. B. Jones, University of Florida, Gainesville, FL.</td>
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<td>12:00-1:12</td>
<td>Lunch (on your own)</td>
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**Notes:**
PLANT PATHOLOGY

12:00-1:12 Graduate Student Luncheon by invitation only (Birmingham-Jefferson Conference Center, VIP Room)

CONTRIBUTED PAPERS – presiding (Birmingham-Jefferson Conference Center, East Meeting Room A)

1:12-1:24 Identification and characterization of expressed resistance gene analogs (RGAs) from peanut (Arachis hypogaea L.) expressed sequence tags (ESTs). Z. Liu (1), A. Culbreath (1) and B. Guo (2), (1) University of Georgia, Department of Plant Pathology, Tifton, GA; (2) USDA-ARS, Crop Protection and Management Unit, Tifton, GA.

1:24-1:36 Identification of putative TSWV resistance genes and development of gene-specific marker in peanut. S. Feng (1), X. Chen (2), Z. Liu (1), C. Holbrook (3), A. Culbreath (1) and B. Guo (4), (1) University of Georgia, Department of Plant Pathology, Tifton, GA; (2) USDA-ARS, Crop Protection and Management Unit, Tifton, GA.

1:36-1:48 Use of hot-water baths as non-chemical treatments for Rhizopus soft rot on sweetpotatoes. R. R. Sweany, D. H. Picha and C. A. Clark, LSU AgCenter, Baton Rouge, LA.

1:48-2:00 Are emaraviruses mite viruses? The Rose rosette paradigm. A. G. Laney (1), E. W. Kitajima (2) and I. E. Tzanetakis (1), (1) University of Arkansas, Fayetteville, AR; (2) Escola Superior de Agricultura, Piracicaba, SP, Brazil.

2:00-2:12 Relative efficacy of nine fungicides applied to peanut early emergence for foliar and soilborne diseases. T. B. Brenneman and J. Augusto, University of Georgia, Department of Plant Pathology, Tifton, GA 31794.
2:12-2:24 Curative activity of penthiopyrad and pyraclostrobin on infections by Cercospora arachodicola of peanut (Arachis hypogaea). E. G. Cantonwine (1), G. G. Hammes (2) and B. McInnes (2), (1) Valdosta State University, Valdosta, GA; (2) DuPont Crop Protection, Valdosta, GA.

2:24-2:36 Molecular diversity in field population of Sclerotinia sclerotiorum isolates affected common bean in Upper Egypt. A. A. Abdel-Razik, A. M. Samy (1), M. H. Hassan (1) and A. W. Abd-Elmagid (2), (1) Dept of Plant Pathology, Faculty of Agriculture, Assiut University, Assiut, Egypt; (2) Dept. of Entomology and Plant Pathology, College of Agriculture Sciences and Natural Resources, Oklahoma State Univ.

2:36-2:48 Effects of soil hard pan and Meloidogyne incognita on cotton root architecture and plant growth in a microplot study. J. Ma (1), T. Kirkpatrick (2) and C. Rothrock (1), (1) University of Arkansas, Fayetteville, AR; (2) University of Arkansas, SWREC, Hope, AR.

2:48-3:00 Evaluation of ICRISAT varieties for resistance to foliar peanut diseases in Haiti. A. M. Fulmer (1), R. C. Kemerait (1), J. L. Sherwood (1), D. L. Jordan (2), J Rhoads (3) and T. B. Brenneman (1), (1) Department of Plant Pathology, University of Georgia, Tifton, GA; (2) Department of Crop Science, North Carolina State University, Raleigh, NC; (3) Meds & Food for Kids, Mombin Lataille, Cap-Haïtien, Haiti.

3:00-3:12 Break

3:12-3:24 Aspergillus flavus genetic diversity of corn fields treated with non-toxicogenic strain Aflaguard® in the southern U.S. C. Solorzano (1), H. Abbas (1), M. Weaver (1), P.-K. Chang (2) and W. Jones (1), (1) USDA-ARS, Stoneville, MS; (2) USDA-ARS, New Orleans, LA.
3:24-3:36 Distribution and molecular characterization of Botrytis cinerea isolates resistant to respiration inhibitors. D. Ortuno, F. Chen and G. Schnabel, Clemson University, Clemson, SC.

3:36-3:48 Evaluation of nitrogen rate effects on cotton yield in soil management zones treated and untreated with Telone® II. R. Haygood (1), D. Burns (2), E. Burris (3) and T. Kirkpatrick (4), (1) Dow AgroSciences, Indianapolis, IN; (2) LSU Agricultural Center, St. Joseph, LA; (3) Gene Burris Consulting, St. Joseph, LA; (4) University of Arkansas.

3:48-4:00 Comparison of stream baiting protocols for recovering Phytophthora ramorum from streams and nursery discharge. D. D. Anderson (1), S. W. Oak (2), S. A. Enebak (1) and L. G. Eckhardt (1), (1) Forest Health Dynamics Laboratory, School of Forestry and Wildlife Sciences, Auburn University, Auburn, AL; (2) Forest Health Protection, United States Forest Service, Ashville, NC.

4:00-4:12 Identification of Penicillium species isolated from sweetpotato in North Carolina. J. G. Holmes (1), G. Abad (2) and M. L. Adams, (1) Valent USA Corporation, Cary, NC 27519; (2) Plant Pathology, NC State Univ., Raleigh, NC 27695.

4:15-4:30 APS Update, Dr. Carol Ishimaru, APS President

4:30-5:45 SDAPS Business Meeting, David Langston, SDAPS President, presiding (Birmingham-Jefferson Conference Center, East Meeting Room A)

6:00-9:00 SDAPS Social (cash bar), Banquet, and Southern Division deBary Bowl (Birmingham-Jefferson Conference Center, East Ballroom A)
Sunday, February 5, 2012
3:00 p.m. – RCAS Executive Board Meeting - Medical Forum Conference Center Third Floor Medical Forum G

4:00-6:00 - SAAS General Session and Business Meeting (Medical Forum Conference Center Auditorium) Distinguished Panel Discussion on 50 Years After Birmingham: Reflections on the Changes in the Conditions of People Especially in Rural Alabama

5:00 p.m. – Begin Transportation to Old Car Heaven for Reception/Super Bowl Party

6:00–till - SAAS Reception (Old Car Heaven – Off Site) Super Bowl Reception (continuous buses to run from hotel to Old Car Heaven) Jambalaya to be cooked by World Champion Jambalaya Cook Byron Gautreau

Monday, February 6, 2012
Moderator – Rob Ellis
Medical Forum Conference Center Third Floor Medical Forum G

8:00 Welcome and Announcements – George Granade

8:10 Welcome to Alabama – William Batchelor, Dean, Alabama Agricultural Experiment Station, Auburn University

8:20 Agriculture in Alabama – Jim Bannon, Director of Outlying Units, Alabama Agricultural Experiment Station, Auburn University

8:45 Embryo Transfer Research – Dr. Neal Schrick, Animal Science Dept. Head, University of Tennessee


9:45 Break

10:15 Hiring the Right People During Changing Times – Panel Discussion – Ken Scaife, Bob Hayes
**RESEARCH CENTER ADMINISTRATORS**

10:45  The Future of Field Days – Panel Discussion – Dr. Roy Burris, University of Kentucky; Lyle Lomas, Bob Dunker

11:15  Managing Change During Times of Declining Funds – A Nonprofit Perspective – Mr. Mike Brown, Civitan International

11:45  Lunch

Moderator – Stan Jones

1:00  Staying Flexible During Change (2 hour workshop) – Dale Carnegie, Nashville, Tennessee

3:00  Break

3:30  RCAS General Business Meeting

5:00  Adjourn

**Tuesday, February 7, 2012**

Moderator – Jim Beaty

Medical Forum Conference Center Third Floor

Medical Forum G

8:00  30 Years at Central Grasslands: From a Rundown Ranch to a Research Center – Paul Nyren

8:30  Innovative Ideas to Save Time and Money – RCAS membership moderated by Jim Beaty

9:15  Closing Comments and Instructions – George Granade

9:30  Adjourn

9:45  Load Bus for Tour

10:00  Leave for tour

5:30  Banquet

7:00  Return to hotel

**Wednesday, February 8, 2012**

10:00  Optional Open House and Tour – Upper Coastal Plains Research & Education Center, Winfield, Alabama

**RESEARCH CENTER ADMINISTRATORS**

10:45  The Future of Field Days – Panel Discussion – Dr. Roy Burris, University of Kentucky; Lyle Lomas, Bob Dunker

11:15  Managing Change During Times of Declining Funds – A Nonprofit Perspective – Mr. Mike Brown, Civitan International

11:45  Lunch

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3:00  Break

3:30  RCAS General Business Meeting

5:00  Adjourn

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Moderator – Jim Beaty

Medical Forum Conference Center Third Floor

Medical Forum G

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10:00  Leave for tour

5:30  Banquet

7:00  Return to hotel

**Wednesday, February 8, 2012**

10:00  Optional Open House and Tour – Upper Coastal Plains Research & Education Center, Winfield, Alabama
SUNDAY, FEBRUARY 5
7:45 A.M. – 3:30 P.M.
REGISTRATION
East Mtg. Room Ballrooms Lobby (First Floor)
Birmingham Jefferson Conference Center

8:30 A.M. – 9:30 A.M.
SRSA EXECUTIVE COUNCIL MEETING
East Mtg. Rm. B (First Floor)
Birmingham Jefferson Conference Center

9:45 A.M. – 11:00 A.M.
PANEL DISCUSSION
East Mtg. Room B (First Floor)
Birmingham Jefferson Conference Center

Scholarship in Service to Change in the Black Belt South:
The Legacy of Dr. Ronald Wimberley

Organizers:
Rosalind Harris, University of Kentucky
Maureen Mullinax, Xavier University

Participants:
Marcus Bernard, University of Kentucky
Dreamal Worthen, Florida A&M University

PAPER SESSION
East Mtg. Room C (First Floor)
Birmingham Jefferson Conference Center

Growing and Mobilizing Community Resources

Moderator:
Danyelle Starks, Alabama A&M University

Examining the Relationship between Rural Economic Growth and Entrepreneurial Activity in Alabama
Danyelle Starks, Alabama A&M University
Morgan Pettway, Alabama A&M University

Community Capitals and Local Development Efforts after Hurricane Katrina
Andrew A. Zekeri, Tuskegee University

Educating Extension Clientele: Serving Multiple Extension Audiences by Integrating the Use of Social Media and Digital Tools
Pete Vergot III, University of Florida IFAS Extension
Judy Ludlow, University of Florida IFAS Extension
Whitney Cherry, University of Florida IFAS Extension
RURAL SOCIOLOGY

Theresa Friday, University of Florida IFAS Extension
Carrie Stevenson, University of Florida IFAS Extension
Kendra Zamojski, University of Florida IFAS Extension

Leadership and Engagement for County Forestry Associations: A Case Study in Mississippi
Jason Gordon, Mississippi State University Extension Service
Rachael Carter, Mississippi State University
Reba Bland, Mississippi State University Extension Service

LUNCH BREAK (on your own)

12:30 P.M. – 1:45 P.M.

POSTER SESSION
East Mtg. Rm Ballrooms Lobby (First Floor)
Birmingham Jefferson Conference Center

Pre-Entry Competencies and Field Degrees of Florida Extension Agents
Matt Benge, UF/IFAS Alachua County Extension Service
Amy Harder, University of Florida

Amplifying the Voices of Socially Disadvantaged Producers Toward Identifying Solutions of Root Causes of USDA Exclusions
Anna M. Kleiner, Southeastern Louisiana University
John J. Green, University of Mississippi
Elliot Meador, University of Missouri
Lorette Picciano, Rural Coalition
Bryn Bird, Rural Coalition
Angela Adrar, Rural Coalition

Determinants of Obesity in the Southern Black Belt Region of the United States
Kelly Meadows
Benjamin Gray
Terrence Thomas

Influencing Agricultural and Educational Policies in both Rural and Urban Communities Through Agricultural Education
Savannah F. Robin, University of Kentucky
Jonathan A. Tubbs, University of Kentucky

Food Disparity: A Glance at a Navajo Reservation
Wiepie Rojas, Abilene Christian University

RURAL SOCIOLOGY

Theresa Friday, University of Florida IFAS Extension
Carrie Stevenson, University of Florida IFAS Extension
Kendra Zamojski, University of Florida IFAS Extension

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Jonathan A. Tubbs, University of Kentucky

Food Disparity: A Glance at a Navajo Reservation
Wiepie Rojas, Abilene Christian University
RURAL SOCIOLOGY

Cultural Immersion: Classroom and Field Applications for Agriculture Professionals
Jonathan A. Tubbs, University of Kentucky
Bryan J. Hains, University of Kentucky

Rural Education: Acclimating Pre-service Agriculture Teachers to Diverse Student Populations
Jonathan A. Tubbs, University of Kentucky
Savannah F. Robin, University of Kentucky
Bryan J. Hains, University of Kentucky

Breaking Barriers for Beginning Hispanic Farmers and Ranchers
Teresa Duch-Carvallo, Texas A&M University-Commerce
Jose Lopez, Texas A&M University-Commerce
Baleshka Brenes, Texas A&M University-Commerce
Robert Williams, Texas A&M University-Commerce

2:00 P.M. – 3:30 P.M.
PAPER SESSION
East Mtg. Room B (First Floor)
Birmingham Jefferson Conference Center

Community Perspectives on Sustainability

Moderator:
Gene L. Theodor, Sam Houston State University

Decisions about Nitrogen Fertilizer Use and Obstacles to its Efficiency
Rebecca L. Schewe, Mississippi State University
Diana Stuart, Michigan State University

A Big Fracing Mess: An Examination of Public Perception of Hydraulic Fracturing
Michelle L. McGuckin, Sam Houston State University
Robinson Schariah, Sam Houston State University
Gene L. Theodor, Sam Houston State University
Cheryl L. Hudec, , Sam Houston State University

When Environmental Activism does not Activate Concern: The Case of Impaired Water Quality in Two Rural Communities
Anjel Stough-Hunter, The Ohio State University

Achieving a Sustainable Waco: Initial Observations, Obstacles, and Strategies
Brooklyn J. Wynveen, Clemson University

Exploring the Role of Agriculture-related Service Providers Fostering Healthier Communities through Farm-to-School Programs
Matthew C. Benson, Virginia Tech

RURAL SOCIOLOGY

Cultural Immersion: Classroom and Field Applications for Agriculture Professionals
Jonathan A. Tubbs, University of Kentucky
Bryan J. Hains, University of Kentucky

Rural Education: Acclimating Pre-service Agriculture Teachers to Diverse Student Populations
Jonathan A. Tubbs, University of Kentucky
Savannah F. Robin, University of Kentucky
Bryan J. Hains, University of Kentucky

Breaking Barriers for Beginning Hispanic Farmers and Ranchers
Teresa Duch-Carvallo, Texas A&M University-Commerce
Jose Lopez, Texas A&M University-Commerce
Baleshka Brenes, Texas A&M University-Commerce
Robert Williams, Texas A&M University-Commerce

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PAPER SESSION
East Mtg. Room B (First Floor)
Birmingham Jefferson Conference Center

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Moderator:
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Brooklyn J. Wynveen, Clemson University

Exploring the Role of Agriculture-related Service Providers Fostering Healthier Communities through Farm-to-School Programs
Matthew C. Benson, Virginia Tech
RURAL SOCIOLOGY

PANEL SESSION
East Mtg. Room C (First Floor)
Birmingham Jefferson Conference Center

Rural Health Part 1.

Organizer & Moderator:
Jin Young Choi, Sam Houston State

Participants:
Household Food Insecurity Is Associated with Poorer Health among Single Mothers in Alabama’s Black Belt Counties.
Andrew A. Zekeri, Tuskegee University

Race and Place as a Fundamental Social Cause: Obesity among Rural African Americans in a Black Belt State.
Marcus Bernard, University of Kentucky
Erin Pullen, University of Kentucky
Brea Perry, University of Kentucky

Children and Obesity Risk: Rural Residence Matters
Jin Young Choi, Sam Houston State University

4:00 P.M. – 6:00 P.M.
SAAS General Session/Business Meeting
Auditorium - Medical Forum Conference Center (2nd Floor)
Distinguished Panel to Discuss
50 Years after Birmingham: Reflections on the Changes in the Conditions of People Especially in Rural Alabama

6:00 p.m. - Till
SAAS Reception/Super Bowl Party
(Old Car Heaven – Off Site) Super Bowl Reception (continuous buses to run from hotel to Old Car Heaven) Jambalaya to be cooked by World Champion Jambalaya Cook Byron Gautreau

MONDAY, FEBRUARY 6

7:45 A.M. – 3:00 P.M.
REGISTRATION
East Mtg Room Ballrooms Lobby (First Floor)
Birmingham Jefferson Conference Center

8:00 A.M. – 9:15 P.M.
PANEL SESSION
East Mtg. Room B (First Floor)
Birmingham Jefferson Conference Center
RURAL SOCIOLOGY

Organizer & Moderator:
Jin Young Choi, Sam Houston State

Multiple Perspectives on Rural Veterans in the US: Why Should We Care?
Hilda R. Heady, Atlas Research, LLC

Healthy Living: Implications of access to locally grown foods in the Lowcountry.
Kenneth L. Robinson, Clemson University
Kathleen K. Robinson, Clemson University

Benefits and Barriers to Using Camp Help Aides in Farmworker Communities
Paul Monaghan, University of Florida.

PAPER SESSION
East Mtg. Room C (First Floor)
Birmingham Jefferson Conference Center

Community-Based Participatory Research

Moderator:
Kim Niewolny, Virginia Tech University

Community Based Participatory Research as a Social Change Vehicle for Cultivating New and Beginning Farmers in Virginia
Kim Niewolny, Virginia Tech
Donna Westfull-Rudd, Virginia Tech
Rick Rudd, Virginia Tech
Steve Hodges, Virginia Tech
Kelli Scott, Virginia Tech
Matt Benson, Virginia Tech
Maurice Smith, Virginia Tech

Challenges Associated with Community-Based Planning Processes
Cheryl L. Hudec, Sam Houston State University
Gene L. Theodori, Sam Houston State University

The Politics of Participation and Gender in Integrated Water Resources Management: A Case Study in Tamil Nadu, India
Glenn D. Israel, University of Florida

9:30 A.M. – 11:00 A.M.
PANEL SESSION
East Mtg. Room B (First Floor)
Birmingham Jefferson Conference Center

RURAL SOCIOLOGY

Organizer & Moderator:
Jin Young Choi, Sam Houston State

Multiple Perspectives on Rural Veterans in the US: Why Should We Care?
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Healthy Living: Implications of access to locally grown foods in the Lowcountry.
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Benefits and Barriers to Using Camp Help Aides in Farmworker Communities
Paul Monaghan, University of Florida.

PAPER SESSION
East Mtg. Room C (First Floor)
Birmingham Jefferson Conference Center

Community-Based Participatory Research

Moderator:
Kim Niewolny, Virginia Tech University

Community Based Participatory Research as a Social Change Vehicle for Cultivating New and Beginning Farmers in Virginia
Kim Niewolny, Virginia Tech
Donna Westfull-Rudd, Virginia Tech
Rick Rudd, Virginia Tech
Steve Hodges, Virginia Tech
Kelli Scott, Virginia Tech
Matt Benson, Virginia Tech
Maurice Smith, Virginia Tech

Challenges Associated with Community-Based Planning Processes
Cheryl L. Hudec, Sam Houston State University
Gene L. Theodori, Sam Houston State University

The Politics of Participation and Gender in Integrated Water Resources Management: A Case Study in Tamil Nadu, India
Glenn D. Israel, University of Florida

9:30 A.M. – 11:00 A.M.
PANEL SESSION
East Mtg. Room B (First Floor)
Birmingham Jefferson Conference Center
RURAL SOCIOLOGY

Rural African Americans, Land Ownership, and Civil Rights: Historical Perspectives
Sponsored by the Agricultural Historical Society

Organizer:
Anne Effland, USDA Economic Research Service

Chair & Discussant:
Mark Schultz, Lewis University

Wealth and Political Power: How Black Landowners Contributed to the Long Civil Rights Movement
Spencer D. Wood, Kansas State University

I ain't taking my name off the list until Thurgood Marshall comes down here and tells me': Rural Afro-South Carolinians and the Fight against Massive Resistance
Carmen Harris, University of South Carolina-Upstate

The Breaking New Ground Project: A History of African American Farm Owners since the Civil War
Jonas Stephens, Auburn University

PAPER SESSION
East Mtg. Room C (First Floor)
Birmingham Jefferson Conference Center

Knowledge and Education in Rural Spaces

Moderator:
Baleshka Brenes, Texas A&M—Commerce

Legitimizing Local Rural Knowledge in STEM Education
Leanne M. Avery, State University of New York College at Oneonta

The Self-Defeating Prophecy
Douglas “Clayton” Smith, Western Kentucky University
Daniel Jackel, Western Kentucky University
Brad Lindsey, Western Kentucky University

Factors Influencing Competition in Collegiate Rodeo
Gene L. Theodori, Sam Houston State University
Cheryl L. Hudee, Sam Houston State University
Ann E. Theodori, Sam Houston State University

Rural African American Masculinity and Its Impacts on Educational Perceptions
Quentin Tyler, University of Kentucky
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<th>Time</th>
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<td>11:15 A.M. – 12:45 P.M.</td>
<td><strong>Award Luncheon</strong>&lt;br&gt;East Mtg Room Ballroom B (First Floor)&lt;br&gt;Birmingham Jefferson Conference Center</td>
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<td>1:00 P.M. – 2:30 P.M.</td>
<td><strong>PAPER SESSION</strong>&lt;br&gt;East Mtg. Room B (First Floor)&lt;br&gt;Birmingham Jefferson Conference Center</td>
<td><strong>Standards, Regulation and Supply Chains</strong>&lt;br&gt;Moderator: Riva Denny, Auburn University</td>
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<td><strong>Lost in Translation: Errors Found in Spanish Farm Safety Materials</strong>&lt;br&gt;Baleshka Brenes, Texas A&amp;M—Commerce</td>
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<td><strong>Sustainable Agriculture Standards in the United States: From SARE to the Wal-Mart Sustainability Index and Consortium</strong>&lt;br&gt;Douglas H. Constance, Sam Houston State University&lt;br&gt;Kevin Travers, Sam Houston State University&lt;br&gt;Jason Konefal, Sam Houston State University&lt;br&gt;Maki Hatanaka, Sam Houston State University</td>
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<td><strong>Global Logistics in Small- and Medium-Sized Value Chains: The Case of Satsuma Mandarins in Southern Alabama</strong>&lt;br&gt;Jamie E. Flood, Auburn University&lt;br&gt;Michelle R. Worosz, Auburn University</td>
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<td><strong>Values-Based Supply Chains: A Comparison of Michigan and Alabama Beef Sectors</strong>&lt;br&gt;Riva Denny, Auburn University&lt;br&gt;Michelle R. Worosz, Auburn University</td>
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<td><strong>How Proud is Kentucky Food? A Socio-Spatial Matrix for Negotiating Local Food</strong>&lt;br&gt;Alicia Fisher, University of Kentucky</td>
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<td><strong>Methodology in Rural Sociology</strong>&lt;br&gt;Moderator: Patricia H. Dyk, University of Kentucky</td>
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Methodological Challenges in Studying Low-Income Rural Families: Lessons from the Rural Families Speak About Health Project
Patricia H. Dyk, University of Kentucky
Jessica Kropczynski, University of Kentucky

Item Non-Response in Client Surveys
Glenn D. Israel, University of Florida
Alexa J. Lamm, University of Florida

Using Mixed-Mode Contacts to Facilitate Participation in Mixed-Mode Surveys
Glenn D. Israel, University of Florida

3:30 P.M. – 5:00 P.M.
SRSA Business Meeting
East Mtg Room B (First Floor)
Birmingham Jefferson Conference Center

TUESDAY, FEBRUARY 7
8:00 A.M. – 9:15 A.M.
PAPER SESSION
East Mtg. Room B (First Floor)
Birmingham Jefferson Conference Center

Small Farms with Limited Resources

Moderator:
Kiyohiko Sakamoto, University of Kentucky

Helping Small, Limited-Resource, and Minority Farmers to Incorporate Alternative Enterprises into their Farms
Marion Simon, Kentucky State University
Victoria Burke, Kentucky State University

“Small” Farmers, Big Challenges: A Needs Assessment of [State] Small Farmers’ Production Challenges and Training Needs
Jessica L. Gouldthorpe, University of Florida
Joy N. Goodwin, University of Florida

Production Efficiency of Small Scale Aquaculture Producers in Uganda: A Socio-Economic Perspective
James O. Bukenya, Alabama A&M University

Wasn’t That Made in Japan? A Study of the Political-Economic Backdrop of Community Supported Agriculture in Japan
Kiyohiko Sakamoto, University of Kentucky
Hiroaki Murase, Keio University

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Kiyohiko Sakamoto, University of Kentucky
Hiroaki Murase, Keio University
RURAL SOCIOLOGY

PAPER SESSION
East Mtg. Room C (First Floor)
Birmingham Jefferson Conference Center

Seeing Sustainability from the Farm

Moderator:
Jennie Huntrods, Auburn University

Sod-Based Rotation Systems: Barriers, Constraints and Misaligned Concerns
Jennie Huntrods, Auburn University
Michelle R. Worosz, Auburn University

Econometric Forecasting of Irrigation Water Demand and Benefits to ACT-and-ACF River Basin Crops in Alabama
Babatunde A. Obembe, Alabama A&M University
Swagata “Ban” Banerjee, Alabama A&M University

Investigating the Underlying Factors that Influence Consumer Attitudes Toward Fresh Fruit and Vegetable Attitudes
Cihat Gunden, North Carolina A&T State University
Bulent Miran, North Carolina A&T State University
Terrence Thomas, North Carolina A&T State University

9:30 A.M. – 10:45 A.M.

PAPER SESSION
East Mtg. Room B (First Floor)
Birmingham Jefferson Conference Center

Food Security

Moderator:
Brett Wolff, University of Kentucky

The Food Policy Council Movement: An Exploratory Study
Patrick H. Mooney, University of Kentucky
Gabriele Ciciurkaite, University of Kentucky

Depression among Food-Insecure Poor, Female-Headed Families in Rural Alabama
Andrew Zekeri, Tuskegee University
Reuben Warren, Tuskegee University

The Decoupling of Theory and Method in Defining and Measuring Food Security
Brett Wolff, University of Kentucky
RURAL SOCIOLOGY

PAPER SESSION
East Mtg. Room C (First Floor)
Birmingham Jefferson Conference Center

Addressing Inequality

Moderator:
Jessica Crowe, University of North Texas at Dallas

What are the Effects of Nonmetro Residence and Other Dimensions of Social Inequality on Earnings?
Edward B. Reeves, Morehead State University

Racial History, Legacy, and Economic Development
Jessica Crowe, University of North Texas at Dallas

Who Owns Alabama? Absentee Ownership of Forest and Farm Land
Conner Bailey, Auburn University

The Relationship between Entrepreneurship, Innovation and Economic Growth: Evidence from Sub-national Data
Morgan Pettway, Alabama A&M University
Danyelle Starks, Alabama A&M University
President: Dr. William H. Richardson, LSU AgCenter, Chancellor's Office, 101 Efferson Hall, Baton Rouge, LA, 70803. Phone: 225.578.4161; Fax: 225.578.4143; E-mail: brichardson@agcenter.lsu.edu

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Past President: Anna M. Kleiner, Southeastern Louisiana University, Department of Sociology & Criminal Justice, SLU 10686, Hammond, LA, 70402. Phone: 985.549.2006; Fax: 985.549.5961; E-mail: anna.kleiner@selu.edu

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RURAL SOCIOLOGY

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LIST OF MEETING ROOMS BY LOCATION

SHERATON BIRMINGHAM HOTEL

Hotel Lobby
Atrium Lobby

BIRMINGHAM BALLROOMS
First Floor
Ballroom I
Ballroom III
Ballroom IV
Ballroom V/IX
Ballroom VII/VIII (Hallway)
Ballroom XI
Ballroom XII
Ballroom Prefunction/X (Hallway)
Ballroom Storage (Coat Room)
Ballroom Vestibule

JEFFERSON BOARDROOMS
Second Floor
Boardroom 1
Boardroom 2

MEDICAL FORUM CONFERENCE CENTER (MFCC)

MEDICAL FORUM ROOMS
Second Floor
Auditorium
Medical Forum A
Medical Forum B
Medical Forum C
Medical Forum D
Medical Forum E
Medical Forum F
Registration Room

MEDICAL FORUM ROOMS
Third Floor
Medical Forum G
Medical Forum H
Medical Forum I
Medical Forum J/K

SHERATON BIRMINGHAM HOTEL

Hotel Lobby
Atrium Lobby

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Medical Forum G
Medical Forum H
Medical Forum I
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LIST OF MEETING ROOMS BY LOCATION

BIRMINGHAM-JEFFERSON
CONVENTION COMPLEX (BJCC)

EAST MEETING ROOMS BUILDING

EAST BALLROOMS
First Floor
East Ballroom A
East Ballroom B

EAST MEETING ROOMS
First Floor
East Meeting Room A
East Meeting Room B
East Meeting Room C
East Ballroom Lobby
Registration Room

EAST MEETING ROOMS
Second Floor
Hall of Fame Boardroom

EAST MEETING ROOMS
Third Floor
East Meeting Room D
East Meeting Room E
East Meeting Room F
East Meeting Room G
East Meeting Room H
East Meeting Room I
East Meeting Room J
East Meeting Room K
East Meeting Room L
East Meeting Room M (backroom)
East Meeting Room N
East Meeting Room O
East Meeting Room Lobby
Registration Room
VIP Room
ALPHABETICAL LIST OF MEETING ROOMS

Atrium Lobby
– Hotel - Lobby Level
Auditorium
– Med Forum Bldg - 2nd Floor
Birmingham Ballrooms I through XII
– Hotel - Lobby Level
Ballroom Prefunction/X (Hallway)
– Hotel - Lobby Level
Ballroom Storage (Coat Room)
– Hotel - Lobby Level
Ballroom Vestibule
– Hotel – 1st Floor
Ballroom VII/VIII (Hallway)
– Hotel - Lobby Level
Jefferson Boardrooms 1 & 2
– Hotel - 2nd Floor
East Ballrooms A and B
– BJCC - East Meeting Rooms – 1st Floor
East Ballroom Lobby
– BJCC - East Meeting Rooms – 1st Floor
East Meeting Rooms A through C
– BJCC - East Meeting Rooms – 1st Floor
East Meeting Rooms D through O
– BJCC - East Meeting Rooms – 3rd Floor
East Meeting Room Lobby
– BJCC - East Meeting Rooms – 1st Floor
East Meeting Room M (backroom)
– BJCC - East Meeting Rooms – 3rd Floor
Hall of Fame Boardroom
– BJCC - East Meeting Rooms – 2nd Floor
Hotel Lobby
– Hotel - Lobby Level
Medical Forum Rooms A through F
– MFCC - Med Forum Bldg - 2nd Floor
Medical Forum Rooms G through K
– MFCC - Med Forum Bldg - 3rd Floor
Registration Rooms
NOTE: There are 3 registration rooms
– BJCC - 1st Floor
– BJCC - 3rd Floor
– MFCC - Med Forum Bldg - 2nd Floor
(check your assn. in program book for specifics)
VIP Lounge
– BJCC – East Meeting Rooms – 3rd Floor

ALPHABETICAL LIST OF MEETING ROOMS

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## POSTER DEMONSTRATION INFORMATION

### Agronomy
Sunday – 1 pm – 6 pm  
Sheraton Hotel (1<sup>st</sup> floor)  
Birmingham Prefunction

### Ag Communications
Sunday 2 pm – Monday 4 pm  
BJCC East Meeting Rooms Bldg. (3<sup>rd</sup> floor)  
Lobby

### Ag Economics
Tuesday – 8 am – 5 pm  
Sheraton Hotel (1<sup>st</sup> floor)  
Birmingham Prefunction

### Ag Education
Sunday – 2 pm – 4 pm  
Monday – 2 pm – 4 pm  
BJCC East Meeting Rooms Bldg. (3<sup>rd</sup> floor)  
Lobby

### Horticulture
Sunday – 8 am – 4 pm  
Sheraton Hotel (1<sup>st</sup> floor)  
Birmingham Prefunction

### Rural Sociology
Sunday – 9 am – 4 pm  
Monday – 9 am – 5 pm  
BJCC East Meeting Rooms Bldg. (1<sup>st</sup> floor)  
Ballroom Lobby
ANNUAL RECEPTION
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Conference participants are encouraged to write
and thank their state Federation for the support of
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Southern Association of Agricultural Scientists

Future Meeting Dates & Locations

2013 – Orlando, Florida (Feb 02-05)
2014 – Dallas, Texas (Feb 01-04)
2015 – Atlanta, Georgia (Jan 31-Feb 03)
2016 – Jacksonville, Florida (Feb 06-09)