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

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

Thank you for attending and taking part in this effort!
SAAS PROGRAMS

SAAS Registration

- Sunday 8:00 am - 4:00 pm
- Monday 8:00 am - 4:00 pm
- Tuesday 8:00 am – Noon

Adam’s Mark Conference Center
Grand Hall-1st floor

SAAS Opening Session and General Business Meeting

Sunday, February 3

Keynote Speaker: Dr. Dale Buchanan
USDA, Under Secretary for Research, Education, and Economics

3:30 pm – 5:00 pm

Dallas Ballroom A3
Adam’s Mark Conference Center-1st floor

“Super Bowl Party”
Come watch the game!

Sponsored by Southern Farm Bureau Life Insurance Co.
Jackson, Mississippi and Affiliates

Social begins at 5:00 pm
Dallas Ballroom B/C
Adam’s Mark Conference Center-1st floor

Executive Committee Meetings

Saturday, February 2
“Meet and Greet” Fellow Officers
8:30 pm - till
Room 1155 Adam’s Mark Hotel
Light refreshments will be served.

Sunday, February 3
SAAS Board Meeting
2:30 pm – 3:00 pm
Majestic Boardroom1
Adam’s Mark Hotel-37th floor

Tuesday, February 5
SAAS Board Breakfast Meeting
7:30 am – 9:30 am
Majestic Boardroom1
Adam’s Mark Hotel-37th floor

ASSOCIATION REGISTRATION INFORMATION

All associations will have registration tables set up in the Grand Hall on the first floor of the Conference Center or in the Adam’s Mark Hotel.

Fees: Please be prepared to pay registration fees by check or cash; we cannot accept credit cards. A receipt will be provided for reimbursement.

<table>
<thead>
<tr>
<th>Association</th>
<th>Location and Times</th>
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<tbody>
<tr>
<td>Academic Dept Heads</td>
<td>1st floor Conference Ctr Sunday and Monday 8am-4pm</td>
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<tr>
<td>Admin Heads of Agric</td>
<td>1st floor Conference Ctr Sunday and Monday 8am-4pm</td>
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<td>Ag Communications</td>
<td>1st floor Conference Ctr Sunday and Monday 8am-4pm</td>
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<tr>
<td>Ag Economics</td>
<td>1st floor Conference Ctr Sunday Noon-5pm Monday 8am-5pm</td>
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<td>Ag Education</td>
<td>1st floor Conference Ctr Saturday 3pm-6pm and 9:30pm-10:30 pm Sunday 8am-10am Monday 7:30am-7am</td>
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<tr>
<td>Agronomy</td>
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<td>Animal Science</td>
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<tr>
<td>Horticulture</td>
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<td>Biochemistry</td>
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<td>Plant Pathology</td>
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<td>Research Ctr Admin</td>
<td>2nd floor Hotel Austin #3 Sunday 12:30pm – till Monday 7:30am – till</td>
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<tr>
<td>Rural Sociology</td>
<td>1st floor Conference Ctr Sunday 8am-3:30pm Monday 8am-3pm Tuesday 8am-9:30am</td>
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ACADEMIC DEPARTMENT HEADS
2008 SAAS Meeting

Adam's Mark Hotel – 37th Floor
Magestic Boardroom 1

Monday, February 4, 2008

7:00 am – 9:00 am
Refreshments–coffee & juice.

Topic: TBA
Speakers: TBA

Business Meeting to follow topic discussion.

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

Monday, February 4

Administrative Heads of Agriculture Section (AHS) Meeting.

Breakfast will be served.
7:30 am – 9:00 am

Majestic Boardroom 2
Adam's Mark Hotel-37th floor
AG COMMUNICATIONS

SAAS Agricultural Communications Section

Annual Meeting
Dallas, Texas
February 2-4, 2007

Sunday, February 3

9:00 a.m.  Research Session I
Majestic Boardroom 5
Adam’s Mark Hotel, 37th Floor

Welcome and Overview

Feeding the Debate: A Framing Analysis of the News Media Coverage of Organic Food
Courtney Meyers and Katie Chodil, University of Florida

Louisiana Consumer Perceptions of Environmental Practices in Farming
Robert J. Soileau, Louisiana State University Agricultural Center, and Joe W. Kotrlik, Louisiana State University

10:30 a.m. Break

10:45 a.m. Research Session II
Majestic Boardroom 5, Adam’s Mark Hotel, 37th Floor

A National Evaluation of the Beef Cattle Industry’s Use of Communication Channels to Obtain Information Regarding Food Safety
Moriah Jennings, ARMtech Insurance Services, Todd Brashears, Scott Burris, Cindy Akers, and Mindy Brashears, Texas Tech University

A Curriculum for University Agricultural Communication Programs: A Synthesis of Research
Tammy M. Etteridge and Kimberly A. Bellah, Tarleton State University

Noon Lunch on your own

1:30 p.m. Professional Development Session I
Majestic Boardroom 5
Adam’s Mark Hotel, 37th Floor

AG COMMUNICATIONS

UF’s Scientific Thinking and Educational Partnership: An Approach for Genetics Outreach
Lisa Hightower, Ricky Telg, Courtney Meyers, Tracy Irani, and Maria Gallo, University of Florida

2:30 p.m. Poster Session
Grand Hall, Conference Center

3:30 p.m. SAAS General Session, Conference Center, Dallas Ballroom A3

5:00 p.m. SAAS Reception/Super Bowl Party
(finger food available at 6:30, cash bar), Conference Center, Dallas Ballroom B/C

Monday, February 4

8:30 a.m. Research Session III, Seminar Theatre, Adam’s Mark Hotel, 2nd Floor

Usability Evaluation of an Online Media Resource Guide
Kim Cooper, Legislative Correspondent, Cindy Akers, David Doerfert, and Todd Chambers, Texas Tech University, and Chad Davis, Dallas Independent School District

Usability Evaluation of the Cotton Economics Research Institution Web Site
Samantha D. Yates, Cindy Akers, and Erika Irlbeck, Texas Tech University

9:45 a.m. Break (Sponsored by ACE Southern Region)

10:00 a.m. Research Session IV, Seminar Theatre, Adam’s Mark Hotel, 2nd Floor

Examining JAC: An Analysis of the Scholarly Progression of the Journal of Applied Communications
Traci Naile, Tanner Robinson, and Dwayne Cartmell, Oklahoma State University
AG COMMUNICATIONS

Research Themes, Authors, and Methodologies in the Journal of Applied Communications: A Ten-Year Look
Leslie Edgar, University of Arkansas, and Tracy Rutherford and Gary Briers, Texas A&M University

Findings Compared

10:40 a.m. Professional Development, Seminar Theatre, Adam’s Mark Hotel, 2nd Floor

Media Buying and Value
Speaker TBA

Noon Lunch on your own

1:30 p.m. General Discussion and Business Meeting, Seminar Theatre, Adam’s Mark Hotel, 2nd Floor

AGRICULTURAL ECONOMICS

Southern Agricultural Economics Association
40th Annual Meetings Program
February 2-5, 2008
Adam’s Mark Hotel and Dallas Conference Center
Dallas, Texas

SAEA OFFICERS:
President...............................HAROLD L. GOODWIN
President-Elect.............. C.W. “BILL” HERNDON, JR.
Director............................... STANLEY M. FLETCHER
Director...............................ALFRED L. PARKS
Director...............................LARRY FALCONER
Secretary...............................WOJCIECH J. FLORKOWSKI
Treasurer.................................JEFFREY L. JORDAN
Past-President..........................DAMONA DOYE
Editors................................. JEFFREY M. GILLESPIE
AND ASHOK MISHRA

Meeting room location: Conference Center (CC); otherwise Adam’s Mark Hotel

Saturday 6 p.m. - 8 p.m.
Quiz Bowl
Dallas Ballroom A1 - CC

**********
Sunday 8 a.m. - 5 p.m.
Quiz Bowl
Dallas Ballroom A1 - CC

Sunday 9:30 a.m. - 2:30 p.m.
SAEA Executive Committee Meeting
City View Room 7 – Hotel 4th Floor

Sunday Noon - 5 p.m.
Registration
Grand Hall - CC

Sunday 2 p.m. - 5 p.m.
Department Heads’ Meeting
Majestic Boardroom 2 - Hotel 37th Floor

Sunday 2:30 p.m. - 5 p.m.
SS-AAEA Meeting
City View Room 7 – Hotel 4th Floor

Sunday 3:30 p.m. - 5 p.m.
SAAS General Session
Dallas Ballroom A3 - CC

Sunday 5 p.m. - till
SAAS Reception
Dallas Ballroom B/C – CC
1. Estimated Economic Impacts on the South of U.S. Agricultural Exports to Cuba
   Flynn Adcock, Parr Rosson, Michelle Niemeyer, and Georgia Clark, Texas A&M University

2. Arkansas Women in Agriculture, Changes in Roles Over Time
   Carmen Albright and Jennie Popp, University of Arkansas

3. Binary Logit Analysis of Factors Impacting Adoption of Genetically Modified Cotton
   Swagata “Ban” Banerjee and Steven W. Martin, Mississippi State University

   Ernest F. Bazen and Matthew A. Brown, University of Tennessee at Knoxville

5. Extension Web-Based Learning for Producers Operating on Limited Acreage
   Blake Bennett, Jason Johnson, and Rebecca Parker, Texas Cooperative Extension

6. Developing and Distributing Digital Learning Objects
   Timothy N. Burcham, Joey E. Mehlhorn, and Richard Joost, University of Tennessee at Martin

7. Changes Over Time in Attitudes Toward Agriculture, Food, Farming, and Farmers
   R. I. Carreira, Ranjit Mane, Diana Danforth, and E.J. Wailes, University of Arkansas

8. Perceptions of Biotechnology among Science Students in 1890 Land-Grant Institutions
   Duncan M. Chembezi, Elicia L. Chaverest, Gerald Wheelock, and Govind Sharma, Alabama A&M University

9. Settling Where the Jobs Are, Thriving Where the Grass Grows
   Cesar L. Escalante, University of Georgia

10. Examination of Pasture, Rangeland, Forage Rainfall Index Insurance As a Risk Management Tool for Texas Livestock Producers
    Lawrence Falconer, Texas A&M University

11. Evaluating the Switch from Cotton to Corn: Impacts on the Louisiana Economy
    J. Matthew Fannin, Kenneth W. Paxton, and John Beracca, Louisiana State University

12. An Analysis of Why a Share Lease or a Cash Lease is Used for Farmland Rental
    Gregory Ibendahl, Mississippi State University; Kurt Guidry, and John Westra, Louisiana State University; and Rob Hogan, Univ of Arkansas

    DeDe Jones and Patrick Warmins, Texas A&M University

14. Producer Level Financial Impacts for Forage Sorghum Production
    Melissa K. Jupe, Steven L. Klose, Greg H. Kaase, and Roland Fumasi, Texas A&M University

15. Identifying Potential Forage Sorghum Production Regions
    Greg H. Kaase, Steven L. Klose, Melissa K. Jupe, and Roland J. Fumasi, Texas A&M University

16. How Do I Decide What to Drink?
    Erika Knight, Lisa House, Jonq-Ying Lee, and Thomas Spreen, University of Florida

17. Cellulosic Ethanol Production for Energy Cane: Estimation of Potential Feedstock Cost
    Tyler Mark and Michael Salassi, Louisiana State University

18. Quantifying the Economic Damage of Termites in Texas
    Dean McCorkle and Dan Hanselka, Texas Cooperative Extension; Roger Gold and James Austin, Texas A&M University

19. Marketing Perceptions of Mid-South Meat Goat Producers
    Joey E. Mehlhorn, Timothy N. Burcham, and Richard Joost, University of Tennessee at Martin; Shaun Jackson, University of Kentucky; Rob Holland, Center for Profitable Agriculture, Spring Hill, Tennessee

20. Factors that Influence Stakeholder Groups Perceptions of Water Quality: Lessons for Policy Makers
    Jennie Popp, German Rodriguez, and Ed Gbur, University of Arkansas; John Pennington, Arkansas Cooperative Extension Service

21. Beef Producer Motives and Satisfaction with Vertical Marketing Arrangements
    Kellie Curry Raper, Oklahoma State University; J. Roy Black and James H. Hilker, Michigan State University

22. Economic Costs and Benefits of Beneficial Insect Control of Giant Reed (Arundo donax)
    Emily K. Seawright, M. Edward Rister, Ronald D. Lacewell, and Allen W. Sturdivant, Texas A&M University; John A. Goolsby, USDA-ARS, Weslaco, Texas
23. Illustrating the Long Term Financial Impacts of Cattle and Wildlife Management Strategies  
Mac Young, Joe Paschal, Wayne Hanselka, Steven Klose, and Greg Kaase, Texas A&M University

24. Determining the Profitability of Improving Water Quality on Farms in the Southeastern Piedmont Region of Georgia  
Amanda R. Ziehl, K. Carter Dunn, Cesar L. Escalante, R. Curt Lacy, and Julia W. Gaskin, University of Georgia; Dorcas H. Franklin, USDA-ARS.

Monday 8 a.m. - 5 p.m.  
Registration  
Grand Hall - CC

Monday 8 a.m. - 4 p.m.  
Quiz Bowl  
Dallas Ballroom A1 - CC  
Recruitment Fair & Coffee Break  
8 a.m. - noon  
Grand Hall - CC

Monday 8 a.m. - 5 p.m.  
Recruitment Displays  
Grand Hall - CC

Monday 8:30 a.m. - 10:10 a.m.  
Selected Papers 1  
Austin Ballroom 2 – Hotel 2nd Floor

Title: International Agriculture and Trade  
Moderator: Allen Featherstone, Kansas State University

8:30 U.S. Cotton Subsidies: Are Brazil’s Accusations True?  
Kilungu Nzaku, Matt Vinning, and Jack E. Houston, University of Georgia.

8:50 Impacts of Exchange Rate Volatility on the U.S. Cotton Exports  
Siddharth Bajpai and Samarendu Mohanty, Texas Tech University

9:10 The Impact of Atlantic Bonito Rush and the Avian Influenza on Meat Products in Turkey  
Sayed H. Saghaian, University of Kentucky; Gökhan Özertan, Bogazici University, Istanbul, Turkey; Aslihan D. Spaulding, Illinois State University

9:30 Nonparametric Efficiency Analysis of Coffee Farms in Puerto Rico  
Alexandra Gregory and Allen M. Featherstone, Kansas State University

Title: Food Consumption, Safety, and Policy  
Moderator: Jonathan Shepherd, University of Kentucky

8:30 Consumer Response to Food Safety Events: An Interaction Between Risk Perception and Trust of Information in the Chicken and Beef Markets  
Jonathan D. Shepherd and Sayed Saghaian, University of Kentucky

8:50 The Analysis of Consumer Preferences for Information Sources on Food Safety by Using Fuzzy Pair-wise Comparison  
Cihat Günden, Bulent Miran, Özlem Uysal, and Zerrin Bektaş, Ege University

9:10 FDA Approved Health Claims and Consumer’s Behavioral Intentions: The Case of Soy-Based Food  
Wanki Moon and Siva K. Balasubramanian, Southern Illinois University; Arbindra Rimal, Missouri State University

9:30 Evaluating Consumer and Retailer Perceptions About Temp Time’s Fresh-Check Indicators on Perishable Food Products  
Corey Fortin and H.L. Goodwin, Jr., University of Arkansas

9:50 Controlling the Safety of Your Food: A Survey of Food Shoppers in Alabama, North Carolina and Tennessee  
Mary Mafuyai-Ekanem, Patricia Lynch, and Celvia Stovall, North Carolina A&T State University; Enefiok Ekanem and Ann Draughon, Tennessee State University; Gerald Wheelock, Alabama A&M University

Title: Rural and Community Development  
Moderator: Valentina Hatarska, Auburn University
AGRICULTURAL ECONOMICS

8:30  Efficiency of Rural Community Development Financial Institutions
Cephas Banlenam Naanwaab and Valentina Hartarska, Auburn University

8:50  Factors Affecting the Distribution of Community Reinvestment Act (CRA) Loans Across Household Income Groups: The Case of Delta Region
Rachel Carter and Alan Barfield, Mississippi State University; Saleem Shaik, North Dakota State University

9:10  Return on Investments for Community Infrastructure Projects? A Foundation for Rural Development Strategy
Vincent Amanor-Boadu and Michael Burns, Kansas State University

9:30  Applying Parametric and Non-Parametric Methods to Track and Identify the Impetus to the U.S. Banking Industry’s Productivity Change
Yingzhuo Yu and Cesar Escalante, University of Georgia; Xiaohui Deng, California State University

9:50  Entrepreneurial Communities in Rural Oklahoma
Lara Brooks, Glenn Muske, Brian Whitacre, and Mike Woods, Oklahoma State University

Monday 8:30 a.m. - 10:10 a.m.
Selected Papers 4
Austin Ballroom 1 – Hotel 2nd Floor

Title: Resource and Environmental Economics
Moderator: Denis Nadolnyak, Auburn University

8:30  Agricultural Disaster Payments in the Southeastern U.S.: A Role for Climate Forecasts?
Valentina Hartarska and Denis Nadolnyak, Auburn University

8:50  Valuing the Changes in Herbicide Risks Resulting from Adoption of RR Soybeans by the U.S. Farmers: An Empirical Analysis of Revealed Value Estimates
Olha Sydorovvch and Michele Marra, North Carolina State University

9:10  Optimal Timing of Land Conversion under Time-Inconsistent Preferences
Mathew J. Salois and Charles B. Moss, University of Florida

9:30  An Accounting Tradeoff Between WRP and Government Payments
Kelly Davidson, Gregory Ibendahl, Bill Herndon, Keith Coble, and Dan Petrolia, Mississippi State University

AGRICULTURAL ECONOMICS

9:50  The Contribution of Nonmarket Valuation to Environmental Policy: The FERC Experience in Hydropower Licensing
Kurt Stephenson, Virginia Tech; Leonard Shabman, Resources for the Future

Monday 8:30 a.m. - 10:10 a.m.
Selected Papers 5
Pearl Room 1 – Hotel 2nd Floor

Title: International Agriculture and Trade II
Moderator:

8:30  Free Trade Beef Demand Analysis: The Case of South Korean Beef Market
Young-Jae Lee and P. Lynn Kennedy, Louisiana State University

8:50  The Effect of the U.S. Foreign Market Development Program on Import Demand for Shelled Peanuts in the European Union
Tullaya Boonsaeng and Stanley M. Prussia, University of Georgia

9:10  The Role of the Imports for Re-Exports Program in Determining Canadian Demand for Imported Cheese: Implications for U.S. Exports
Andrew Muhammad, Mississippi State University

9:30  Analysis of United States and European Union Import Demand for Shrimp
Pawan Poudel and Walter R. Keithly, Jr., Louisiana State University

Monday 8:30 a.m. - 10:10 a.m.
Selected Papers 6
Austin Ballroom 3 – Hotel 2nd Floor

Title: Quantitative Methods
Moderator: Sung No, Southern University and A&M

8:30  Mixed Unit Roots and Deterministic Trends in Noncausality Tests
Tao Ran and Hector Zapata, Louisiana State University

8:50  A Sequential Rationality and Efficiency Test of U.S. Department of Agriculture Program Crop Price Estimates: Rice, Wheat, and Soybeans
Sung Chul No, Southern University and A&M; Michael E. Salassi, Louisiana State University

9:10  Evaluating alternative On-Farm Experimental Designs for Precision Agriculture Using Monte Carlo Methods
Terry W. Griffin, University of Arkansas; Raymond J.G.M. Florax and Jess Lowenberg-DeBoer, Purdue University
Title: Decoupling Teaching-for-Learning and Teaching-for-Job-Performance: Documenting and Communicating Scholarly Activity of Teaching in Agricultural Economics Departments
Organizer: Michael Gunderson and James Sterns, University of Florida
Moderator: Michael Gunderson, University of Florida
Presenters:
1. R. Kirby Barrick, University of Florida
2. Gail Cramer, Louisiana State University
3. Steve Turner, Mississippi State University

10:10 - 10:30 Break: Refreshments served near Austin Ballrooms 1 & 2 in Adam’s Mark Hotel

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 7
Pearl Room 4 – Hotel 2nd Floor

Title: Marketing and IO
Moderator: Sanjoy Bhattacharjee, Mississippi State University

10:30 Assessing the Impacts of the Demand for Corn by the Biofuels Industry on Hog Production: Does Location Matter?
Joshua Detre, Sachin Chintawar, Tyler Mark, and John Westra, Louisiana State University

10:50 Analysis of U.S. Consumers’ Willingness to Pay for E10 and E85 Ethanol
Sanjoy Bhattacharjee, Daniel R. Petrolia, and C.W. “Bill” Herndon, Jr., Mississippi State University

11:10 Impact of Corn-Based Ethanol Production on the U.S. High Fructose Corn Syrup (HFCS) and Sugar Markets
P. Lynn Kennedy Alexander and Hassan Marzoughi, Louisiana State University

11:30 Feasibility of Sweet Sorghum as an Ethanol Feedstock in Oklahoma
Chris Fryer, Rodney B. Holcomb, Phil Kenkel, and Danielle Bellmer, Oklahoma State University

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 8
Austin Ballroom 1 – Hotel 2nd Floor
AGRICULTURAL ECONOMICS

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 10
Austin Ballroom 2 – Hotel 2nd Floor

Title: Resource and Environmental Economics
Moderator: Krishna Paudel, Louisiana State Univ.

10:30 Point/Nonpoint Source Pollution Trading in the Dairy Production Region of Louisiana
Larry M. Hall, Krishna P. Paudel and Wayne M. Gauthier, Louisiana State University

10:50 Economic Analysis of Management Practices to Reduce Phosphorus Load to Lakes Eucha and Spavinaw
Sierra Howry, Arthur Stoecker, Daniel Storm, and Michael White, Oklahoma State University

11:10 Cost-Effectiveness of On-Farm Conservation Practices to Protect
David B. Willis, Clemson University

11:30 Valuing Recreational Benefits of a National Park in Andean Colombia
Sergio Alvarez and Sherry Larkin, University of Florida

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 11
Pearl Room 1 – Hotel 2nd Floor

Title: Teaching Issues
Moderator: Robert Nelson, Auburn University

10:30 Evaluating Teaching Methods: Is It Worth Doing Right?
Robert G. Nelson and Norbert L.W. Wilson, Auburn University

10:50 Determinants of Students’ First Impressions of Instructors and Courses
Mike Dicks, J. Ross Pruitt, and Daniel Tilley, Oklahoma State University

11:10 Attitudes of College Students towards Agriculture, Food and the Role of Government
R.I. Carreira, Ranjit Mane, Diana Danforth, and Eric J. Walles, University of Arkansas

Monday 10:30 a.m. - 11:50 a.m.
Selected Papers 12
Austin Ballroom 3 – Hotel 2nd Floor

Title: Production Economics I
Moderator: Loren Tauer, Cornell University

10:30 Stanchion and Parlor Milking Cost Functions
Kentaro Katsumata, Forestry and Fisheries of Japan; Loren Tauer, Cornell University

AGRICULTURAL ECONOMICS

10:50 What a Difference a Year Makes in the Dairy Industry
Brian K. Herbst, James W. Richardson, Joe L. Outlaw, and David P. Anderson, Texas A&M University

11:10 Economic Analysis of Replacing Coastal and Alicia Bermudagrass with Tifton 85 Bermudagrass
R. Curt Lacy, University of Georgia

11:30 Does the MILC Program Affect Milk Supply Response in Individual States Across Region of the U.S.?
John Mark Looney and Cary W. Herndon, Jr., Mississippi State University

Monday 10:30 a.m. - 11:50 a.m.
Organized Symposium 2
Pearl Room 2 – Hotel 2nd Floor

Title: MarketMaker: A National Food Marketing Data Base
Organizer: Ken Hood, Mississippi State University
Moderator: Ken Hood, Mississippi State University

Presenters:
1. Terry Hanson, Mississippi State University
2. John McKissick, University of Georgia
3. Tim Woods, University of Kentucky

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11:50 - 1:15 40th Annual SAEA Meetings Luncheon

Welcome
H. L. Goodwin, SAEA President
Presidential Address
C. W. “Bill” Herndon, Jr.
San Antonio Ballroom - CC - 3rd Floor

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Monday 1:15 p.m. - 3:00 p.m.
Invited Papers 1
Austin Ballroom 1 – Hotel 2nd Floor

Title: The 2007 Farm Bill and Crop Insurance: Implications for Crop Producers in the South
Organizers: Gabriel Power and Dmitry Vedenov, Texas A&M University
Moderator: Gabriel Power, Texas A&M University
Discussant: Thomas Worth, Risk Management Agency, USDA
Presenters:
1. Safety Nets or Trampolines? Federal Crop Insurance, Disaster Assistance, and the Farm Bill
Barry Goodwin, North Carolina State University

2. Implications of Integrated Commodity Programs and Crop Insurance
Keith Coble and B.J. Barnett, Mississippi State University

Dmitry Vedenov and G. Power, Texas A&M University

Monday 1:15 p.m. - 3:00 p.m.
Invited Papers 2
Austin Ballroom 2 – Hotel 2nd Floor

Title: Evaluating Water Conservation Strategies and Policies
Organizers: Steve Amosson, Texas A&M University and Lal Almas, West Texas A&M University
Moderator: Steve Amosson, Texas A&M University
Discussant: Jeff Jordan, University of Georgia

Presenters:
1. Integrating Stakeholder Input into Water Policy Development and Analysis
Bridget Guerrero, Steve Amosson, and Lal Almas, Texas A&M University

2. South Carolina Water Management Issues and Potential Economic Solutions
David Willis, Clemson University

3. Effects of Water Price Policy and Private Insurance Contracts on Supplemental Irrigation Management under Different Climate Scenarios
Jeffrey Mullen, University of Georgia

4. Economic Efficiency of Short-Term vs Long-Term Water Rights Buyout.
Erin Wheeler and Jeff Johnson, Texas Tech University; Gill Golden and Jeff Peterson, Kansas State University

3:00 - 3:20 Break: Refreshments served near Austin Ballrooms 1 & 2 in Adam’s Mark Hotel

Monday 3:20 p.m. - 5:00 p.m.
Selected Papers 13
Austin Ballroom 2 – Hotel 2nd Floor

Title: International Agriculture and Trade
Moderator: Carlos Carpio, Clemson University

3:20 Biodiesel Mandate Laws in Argentina, Brazil and the United States: An Estimation of Soybean Oil Foregone Export Revenues
Matias G. Nardi, Todd D. Davis, Carlos, E. Carpio, and William A. Ward, Clemson University

3:40 Examining the Impact of the World Crude Oil Price on China’s Agricultural Commodity Prices: The Case of Corn, Soybean, and Pork
Qi Zhang and Michael R. Reed, University of Kentucky

4:00 Increased Exports Under Trade Liberalization: A Gravity Model Approach
Osei-Agyeman Yeboah, North Carolina State University; Saleem Shaik, North Dakota State University; Shawn Wozniak, Moore Agricultural Research Station; Albert J. Allen, Mississippi State University
AGRICULTURAL ECONOMICS

4:20 Assessing the Impact of the African Growth and Opportunity Act (AGOA) on the Exports of Sub-Saharan African Countries to the United States of America
Elwalid M. Suliman, Tuskegee University

4:40 Assessing the Impact of the Bean/Cowpea CRSP Graduate Degree Training
Nelissa Jamora, Richard Bernsten, and Mywish Maredia, Michigan State University

Monday 3:20 p.m. - 5:00 p.m.
Selected Papers 15
Pearl Room 4 – Hotel 2nd Floor

Title: Food consumption, Safety, and Policy III
Moderator: James Bukenya, Alabama A&M Univ.

3:20 Investigating Changes in Consumers’ Nutritional Consideration in Food Selection
Arbindra Rimal, Missouri State University; Wanki Moon and Siva K. Balasubramanian, Southern Illinois University

3:40 Consumers’ Perceptions about Genetically Modified Foods and Their Stated Willingness-to-Pay for Genetically Modified Food Labeling: Evidence from Turkey
Bahri Karli and Abdulbaki Bilgic, Harran University, Turkey; Bulent Miran, Ege University, Turkey

4:00 Consumer Purchasing Behavior in Response to Media Coverage of Avian Influenza
Robert H. Beach and Chen Zhen, RTI International

4:20 Changes in Soy Based Food Consumption, 2001 and 2007
Arbindra Rimal, Missouri State University; Wanki Moon and Siva K. Balasubramanian, Southern Illinois University

4:40 Market Segmentation of Value Added Grocery Shoppers in Alabama
Michael Mukiibi and James O. Bukenya, Alabama A&M University

Monday 3:20 p.m. - 5:00 p.m.
Selected Papers 16
Austin Ballroom 1 – Hotel 2nd Floor

Title: Rural and Community Development
Moderator: Brian Whitacre, Oklahoma State University
4:20 **Economic Value of Groundwater Resources and Irrigated Agriculture in the Oklahoma Panhandle**  
Lal K. Almas, W. Arden Colette, and Naveen C. Adusumilli, West Texas A&M University

4:40 **The Use of Weather Data and Evapotranspiration Requirements to Estimate the Marginal Value Product of Irrigation and the Profit Maximizing Irrigation Level for Corn in the Texas Panhandle**  
W. Arden Colette and Lal K. Almas, West Texas A&M University

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**Monday 3:20 p.m. - 5:00 p.m.**  
**Selected Papers 18**  
Pearl Room 1 – Hotel 2nd Floor

**Title:** Food Consumption, Safety and Policy  
**Moderator:**

3:20 **The Role of Ethnicity in the Consumption of Meats in the United States**  
Carlos Ignacio Garcia and Hector O. Zapata, Louisiana State University

3:40 **Consumers and the Evolution of New Markets: The Case of the Ethical Foods**  
Vincent Amanor-Boadu and Casey Lee Schnitz, Kansas State University

4:00 **Analysis of Consumption Behavior of Hispanics and Its Impact on Goat Meat Market**  
Xuanli Liu and Mack Nelson, Fort Valley State University

4:20 **The Structure of U.S. Red Meat and Livestock Imports**  
Dwi Susanto and C. Parr Rosson, III, Texas A&M University; Shida R. Henneberry, Oklahoma State University

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**Monday 3:20 p.m. - 5:00 p.m.**  
**Organized Symposium 3**  
Pearl Room 5 – Hotel 2nd Floor

**Title:** The Impacts of U.S. Trade Policies on Southern Agriculture  
**Organizer:** Flynn Adcock and Parr Rosson, Texas A&M University  
**Moderator:** Jim Novak, Auburn University

**Presenters:**
1. Mickey Paggi, California State University
2. Parr Rosson, Texas A&M University
3. Lynn Kennedy, Louisiana State University
4. Flynn Adcock and Jaime Malaga, Texas Tech University (Discussion opening remarks).

**AGRICULTURAL ECONOMICS**

**Monday 5:15 p.m. -7 p.m.**  
**SAEA Business Meeting and Awards Program**  
Dallas Ballroom A1 - CC

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**Tuesday 8:00 a.m. - 10:00 a.m.**  
**Keynote Speaker Breakfast**  
San Antonio Ballroom - CC - 3rd Floor

10:00 - 10:15 Break

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**Tuesday 10:15 a.m. - 12 noon**  
**Invited Papers 3**  
Austin Ballroom 1 – Hotel 2nd Floor

**Title:** Economics of Obesity  
**Organizer:** Jayson L. Lusk, Oklahoma State University

**Moderator:** Jayson L. Lusk, Oklahoma State University

**Presenters:**
1. **The Effect of Food Away from Home and Food at Home Expenditures on Obesity Rates: A State Level Analysis**  
Yongxia Cai, Pedro Alviola, IV, Rodolfo M. Nayga, Jr., and Ximing Wy, Texas A&M University

2. **Effects of Food Prices and Income on Body Weight**  
Christiane Schroeter, California Polytechnic State University and Jayson L. Lusk, Oklahoma State University

3. **Applying Experimental Economics to Family Decision Dynamics Influencing Obesity in the Household**  
Mariah Tannerj-Ehmke, University of Wyoming, Christiane Schroeter California Polytechnic State University, and Kari Morgan, University of Wyoming

4. **An International Comparison of the Effects of Government Agricultural Support on Food Budget Shares**  
J. Corey Miller and Keith H. Coble, Mississippi State University
AGRICULTURAL ECONOMICS

Tuesday 10:15 a.m. - 12 noon
Invited Papers 4
Austin Ballroom 2 – Hotel 2nd Floor

Title: The Biofuel Revolution and Southern Agriculture
Organizer(s): John Anderson, Mississippi State University and David Anderson, Texas A&M University
Moderator: Joe Outlaw, Texas A&M University

Presenters:
1. Crop Agriculture: Making the Delta Look Like the Corn Belt
   Kurt Guidry, Louisiana State University and Steve Martin, Mississippi State University
2. Conservation Programs: Will Grain Productions Reclaim Acres in the South
   Daniel Petrolia and Gregg A. Ibendahl, Mississippi State University
3. Livestock and Dairy: What Are They Going to Eat?
   John Anderson, Mississippi State University; David Anderson and Jason Sawyer, Texas A&M University
4. Impacts of Biofuel on Southern Agricultural Exports
   Parr Rosson and Dwi Susanto, Texas A&M University and Darren Hudson, Mississippi State University

Tuesday 12 noon - 1:20 p.m.
Lunch Break

Tuesday 1:20 p.m. - 3:00 p.m.
Selected Papers 19
Pearl Room 5 – Hotel 2nd Floor

Title: Marketing and IO
Benaissa Chidmi, Texas Tech University

1:20 The Grid Marketing Channel for Fed Cattle: Market Share and Carcass Quality
Scott W. Fausti, Bashir A. Qasmi, and Mathew A. Diersen, South Dakota State University
1:40 The Impact of Captive Supplies in the Fed Cattle Market: An Agent-Based Artificial Market
Tong Zhang and B. Wade Brorsen, Oklahoma State University

AGRICULTURAL ECONOMICS

2:00 Conjoint Analysis of Breaded Catfish Nuggets: Consumer Preferences for Price, Shading, Cooking Method, and Country of Origin
Jessica I. Hill, Robert G. Nelson, Kristin L. Woods-Williams, Sondra J. Weese, and Gregory N. Whitis, Auburn University

2:20 Duopoly Competition in Supermarket Industry: The Case of Seattle-Tacoma Milk Market
Benaissa Chidmi and Olga Murova, Texas Tech University

2:40 An Assessment of the India Soy Protein Market
Adam Brinker, Pioneer International; Joseph Parcell and Chris Boessen, University of Missouri

Tuesday 1:20 p.m. - 3:00 p.m.
Selected Papers 20
Dallas Ballroom D2 - CC

Title: Resource and Environmental Economics II
Moderator: Ronald D. Lacewell, Texas A&M University

1:20 Economic Implications of Conventional Water Treatment Versus Desalination: A Dual Case Study
Callie Rogers, Allen Sturdivant, M. Edward Rister, Ronald Lacewell, Texas A&M University; B.L. Harris, Texas Water Resources Institute
1:40 Factors Influencing Artisanal Fisherfolks’ Level of Support for Fishery Regulations: An Ordinal Logistic Regression Approach
Alexis Arthur B. Garcia, Texas Tech University; Roderick M. Rejesus, North Carolina State University; Emmanuel L. Genio, Jr., Philippine Country Office Asian Development

2:00 Identifying Economies of Size in Conventional Surface-Water Treatment and Brackish-Groundwater Desalination: Case Study in the Rio Grande Valley of Texas
Christopher N. Boyer, Edward Rister, Allen W. Sturdivant, Ronald E. Lacewell, and Callie S. Rogers, Texas A&M University; B.L. Harris, Texas Water Resource Institute

2:20 Economic Analysis of a Water Truck for Feedyard Dust Suppression
Steve Amosson, Patrick Warminski, Frances Bretz and Thomas Marek, Texas A&M University
Tuesday 1:20 p.m. - 3:00 p.m.
Selected Papers 21
Dallas Ballroom D3 - CC

Title: Production Economics and Farm Management
Francis M. Epplin, Oklahoma State University

1:20 The Nitrogen Fertilizer Value of Baled Broiler Litter for Cotton Production in the Arkansas Delta
Nathan Kemper, H.L. Goodwin, Jr., and Morteza Mozaffari, University of Arkansas

1:40 Alternative Cropping Systems for Traditional Monoculture Wheat Acres in the Southern Plains for Two Farm Sizes
JonAnn E. Decker, Francis M. Epplin, Deena L. Morley, and Thomas F. Peeper, Oklahoma State University

2:00 The Value of Regional Predictions of Nitrogen Requirements
David C. Roberts, B. Wade Brorsen, and William R. Raun, Oklahoma State University; Valentina Hatarska, Auburn University

2:20 Cost to Produce Cellulosic Biomass Feedstock: Four Perennial Grass Species Compared
Mohua Haque, Francis M. Epplin, Sijesh Aravindhakshan, and Charles Taliaferro, Oklahoma State University

2:40 Does Conservation Farming of Winter Forages for Stocker Cattle Grazing Pay in the Southern Plains?
Jon T. Biermacher, Chuck Coffey, Billy Cook, and Devlon Ford, Samuel Robert Noble Foundation

Tuesday 1:20 p.m. - 3:00 p.m.
Selected Papers 22
Dallas Ballroom A1 - CC

Title: Agribusiness and Finance
Moderator: Ashok Mishra, Louisiana State University

1:20 Financing Constraints and the Family Farm: How Do Families React?
Chi Mai and Valentina Hartarska, Auburn University

1:40 Policy Reform and Off-Farm Labor Participation by Operators and Spouses: A Semiparametric Approach
Ashok K. Mishra and Krishna P. Paudel, Louisiana State University

2:00 Effect of Land Tenancy on Total Factor Productivity and Total Resource Productivity: A Semi-Parametric Analysis
Krishna P. Paudel and Ashok K. Mishra, Louisiana State University

2:20 Labor Cost and Technology Adoption: Real Options Approach for the Case of Sugarcane Mechanization in Florida
Nobuyuki Iwai, Robert D. Emerson, and Lurleen M. Walters, University of Florida

2:40 Entrepreneurial Climate and Entrepreneurial and Small Business Activity in Appalachia
Yoganad Budumuru and Medhawin Kitikun, West Virginia University

Title: Agricultural Policy
Moderator: David Anderson, Texas A&M University

1:20 Outcomes of Trade Adjustment Assistance for Farmers and Fishermen Program in the United States: Trade Reform Act of 2002
Alan P. Bacho and H.L. Goodwin, Jr., University of Arkansas

1:40 The Impact of Land Fragmentation on Beef Cattle Inventory
Philip A. Mervish, David P. Anderson, James W. Richardson, and Joe L. Outlaw, Texas A&M University

2:00 Discerning Differences between Producer Groups and Organic Adoption Barriers in Texas
Michael H. Lau, Roger D. Hanagriff, and Douglas H. Constance, Sam Houston State University; Mary York, Texas Department of Agriculture

Karina Gallardo, Rodney B. Holcomb, and Jayson Lusk, Oklahoma State University

2:40 Antidumping Duties in Agriculture: Does it Result in Trade Diversion
Nandini Banerjee and Walter J. Keithly, Louisiana State University
AGRICULTURAL ECONOMICS

Tuesday 1:20 p.m. - 3:00 p.m.
Selected Papers 24
Pearl Room 5 – Hotel 2nd Floor

Title: Rural and Community Development
Albert Allen, Mississippi State University

1:20 Spatial Econometric Analysis of Food Stamp Program Participation in West Virginia
Ahadu T. Tekle and Tesfa G. Gebremedhin, West Virginia University

1:40 Assessment of the Dynamics of Value Added Production in Alabama
Danyelle N. Starks and James O. Bukenya, Alabama A&M University

2:00 Wine Grape Production: A Promising Enterprise for Small Scale Enterprises in North Carolina
Kenrett Y. Jefferson-Moore and Jannety M. Mosley, North Carolina A&T State University

2:20 The Economic Feasibility of Producing Pasture Poultry for Limited Resource Farmers in Southeastern North Carolina
Kelli N. Ennis and Kenrett Y. Jefferson-Moore, North Carolina A&T State University

Tuesday 1:20 p.m. - 3:00 p.m.
Selected Papers 25
Austin Ballroom 3 – Hotel 2nd Floor

Title: Economics of Invasive Species in the Southeastern United States
Organizer: Krishna P. Paudel and John Westra, Louisiana State University
Moderator: Ashok Mishra, Louisiana State University

Presenters:
1. John Westra, Louisiana State University
2. Michael Thomas, Florida A&M University
3. Krishna Paudel, Louisiana State University

Tuesday 1:20 p.m. - 3:00 p.m.
Organized Symposium 5
Dallas Ballroom A2 - CC

Title: Causes and Economic Consequences of African American Land Loss in the Southern United States
Organizer: Deacue Fields, Auburn University; Kenneth Jefferson-Moore, North Carolina A&T University; Jennifer Dennis, Purdue University
Moderator: Christopher Davis, USDA/ERS
Presenters:
1. Dan Rainey, University of Arkansas
2. Lloyd Wright, Former Director Office of Civil Rights, USDA
3. Meissha Thomas and Jerry Pennick, Federation of Southern
4. Janice Dyer and Conner Bailey, Auburn University
5. Andrew Muhammad, Mississippi State University
6. Deacue Fields, Auburn University

3:00 - 3:20 Break - Refreshments served near Austin Ballrooms 1, 2, & 3 in Adam’s Mark Hotel, 2nd floor

AGRICULTURAL ECONOMICS

2:20 Information Value in the Decision of Precision Farming
Xuanli Liu, Mack Nelson, and Mohammed Ibrahim, Fort Valley State University

2:40 An Economic Risk Analysis of No-Till Rice Management from the Landlord’s Perspective
K. Bradley Watkins, Jason L. Hill, and Merle M. Anders, University of Arkansas

Tuesday 1:20 p.m. - 3:00 p.m.
Organized Symposium 4
Austin Ballroom 1 – Hotel 2nd Floor

Title: Farm Management
Moderator: Bradley Watkins, University of Arkansas

1:20 Theoretical Examination of the Conditions of Best Management Practices Adoption and Easing Trade Distortion for Sugar
Young-Jae Lee, Louisiana State University

1:40 Adoption of Best Management Practices
Rachel J. Johnson, Damona Doye, David L. Lalman, Derrell S. Peel, and Kellie Curry Raper, Oklahoma State University

2:00 Impacts of Data Deletion Procedures on Profitability Analysis of Precision Agriculture
Baohui Song, California State University; Tom Mueller, University of Kentucky

30
Title: Resource and Environmental Economics
James Barnes, Louisiana State University

3:20 Costs and Benefits of Carbon Sequestration in Timber Production in the Southeastern U.S.
Denis Nadolnyak and Yaoqi Zhang, Auburn University

3:40 The Evolution of Markets for Wood Products in the Southern United States: A Transaction Cost Perspective
James Barnes and Mike Dunn, Louisiana State University

4:00 Regional Underdevelopment: The Dutch Disease in the Southeastern United States
Vaughn Elliott, Valentina Hartarska, and Conner Bailey, Auburn University

Archana Pradhan and Jerald J. Fletcher, West Virginia University

4:40 Application of European Union Setting to Analyze the Economic Impact of Carbon Credit Trading Program on Income Distribution in the United States
Medhawin Kitikun and Yoganand Budumuru, West Virginia University

Tuesday 3:20 p.m. - 5:00 p.m.
Selected Papers 26
Austin Ballroom 1 – Hotel 2nd Floor

Title: Marketing and IO
Moderator: Michael Gunderson, University of Florida

3:20 Demand for Organic and Conventional Organic Baby Food
Victoria LeBeaux, Chung L. Huang, and James Epperson, University of Georgia

3:40 Willingness to Pay for Locally Grown Products: The Case of State Grown Produce in South Carolina
Carlos E. Carpio and Olga Isengildina-Massa, Clemson University

4:00 An Assessment of Farmers Markets in the Alabama Black Belt Counties
Miriam Anima Boateng, Ntam Baharanyi, and Nii O. Tackie, Tuskegee University

4:20 Effects of Demographics on Orange Juice Demand
Andy Davis, Michael Gunderson, John VanSickel, Lisa House, and Mark Brown, University of Florida

4:40 Analysis of the Impact and Importance of Re-Wholesalers in the Ornamental Market
Marco A. Velástegui and Roger A. Hinson, Louisiana State University

Tuesday 3:20 p.m. - 5:00 p.m.
Selected Papers 27
Austin Ballroom 2 – Hotel 2nd Floor

Title: Agribusiness and Finance II
Moderator: Samuel Funk, Kansas State University

3:20 Hedging Effectiveness around USDA Crop Reports
Navinderpal Singh and Andrew McKenzie, University of Arkansas

3:40 Chicago Board of Trade Ethanol Contract Efficiency
Samuel M. Funk, James E. Zook, and Allen M. Featherstone, Kansas State University

4:00 Examining the CRB Index as an Indicator for U.S. Inflation
Paul Gentle, City University of Hong Kong; Krishna P. Paudel, Ram Acharya, and Ashok Mishra, Louisiana State University

Tuesday 3:20 p.m. - 5:00 p.m.
Selected Papers 28
Austin Ballroom 3 – Hotel 2nd Floor

Title: Production Economics and Farm Management
Moderator: Cary Herndon, Mississippi State University

3:20 Simulation of Alternative Marketing Strategies for U.S. Cotton
Christopher Elrod, John Robinson, and James Richardson, Texas A&M University

4:00 Cross-Hedging Fishmeal: Exploring Corn and Soybean Meal Futures Contracts
Joseph Parcell and Chris Boessen, University of Missouri; Ira Altman and Dwight Sanders, Southern Illinois University

4:40 The Impacts of Avian Influenza Events on US Stock Prices of Meat and Egg Producers
Wei Huang, David Bessler, Yanhong Jin, Bruce A. McCarl, Texas A&M University

Tuesday 3:20 p.m. - 5:00 p.m.
Selected Papers 29
Dallas Ballroom D2 - CC
3:40 The Farm Level Economic Impacts of Increased Cash Rental Rates
J. Marc Raulston, George M. Knapek, James W. Richardson, Joe L. Outlaw, and David P. Anderson, Texas A&M University

4:00 Financial Analysis of Implementing an Anaerobic Digester and Free Stall Barn System on a Mississippi Dairy Farm
Jonathan Denly and Cary W. Herndon, Jr., Mississippi State University

4:20 Factors Affecting Hay Supply and Demand: The Tennessee Scenario
Ernest F. Bazen, Roland K. Roberts, John Travis, and James A. Larson, University of Tennessee

Lawton L. Nally, Andrew Barkely, and John Crespi, Kansas State University

Tuesday 3:20 p.m. - 5:00 p.m.
Selected Papers 30
Dallas Ballroom D3 - CC

Title: Agribusiness and Finance
Moderator: Anetra Harbor, USDA

3:20 Analysis of the Corn-Soybean Relative Prices and its Impact on Farmers’ Decision-Making in Indiana
David Ubilava, Purdue University

3:40 Measuring Attitudinal “Dual Loyalty”: An Analysis of U.S. Agricultural Producer Loyalty to Input Brands and Dealers
Anetra L. Harbor, USDA

4:00 Costs of an Increased Shipping Standard for Cotton Warehouses
Phil Kenkel and Tayoon Kim, Oklahoma State University

4:20 Location Patterns of Confectionery Manufacturers in a Post NAFTA Environment
J. Ross Pruitt and Daniel Tilley, Oklahoma State University

4:40 Importance of Financial Variables on Efficiency Measures of Class I Railroads in the United States
Saleem Shaik, North Dakota State University; Albert J. Allen and Albert E. Myles, Mississippi State University; Osei-Agyeman Yeboah, North Carolina A&T State University

3:20 The Impact of Agricultural Aid on Agricultural Sector Growth
Ozgur Kaya and Lewell Gunter, University of Georgia

3:40 U.S. Cotton Subsidies: Are Brazil’s Accusations True?
Kilungu Nzaku, Matt Vining, and Jack E. Houston, University of Georgia

4:00 Awareness to Environmental Pollution in Turkey
Murat Cankurt, Bülent Miran, Cihat Günden, and Ahmet Şahin, Ege University

4:20 Willingness to Pay for Potable Water in the Southeastern Turkey: An Application of Both Stated and Revealed Preferences Valuation Method
Abdulbaki Bilgic and Gunes Eren, Harran University; Wojciech J. Florkowski, University of Georgia

Tuesday 3:20 p.m. - 5:00 p.m.
Selected Papers 32
Dallas Ballroom A2 - CC

Title: Agribusiness and Finance
Moderator: Christian Boessen, University of Missouri

3:20 A Comparative Assessment of the Broiler: Corn Ratio and Its Impact on Broiler Processors’ Profitability
H.L. Goodwin, Jr., Sandra Hamm, and Andrew McKenzie, University of Arkansas

3:40 Incorporating Biological Relationships into a Caviar Investment Decision Model
Christian Boessen and Joe Parcell, University of Missouri; Ira Altman, Southern Illinois University

4:00 Invasive Diseases and Fruit Tree Production: The Case of Citrus Greening and the Florida Citrus Industry
Ronald P. Muraro, Andrew Ropicki, Thomas H. Spreen, and Allen Morris, University of Florida

4:20 Risk, Research, and Returns: Valuation of the Potential of Improved Citrus Cultivars
James W. Richardson and Robert G. Brummet, Texas A&M University
Price Discovery Dynamics of the Evolving Dried Distillers Grain Market
Tyler Van Winkle and Ted Schroeder, Kansas State University

Tuesday 3:20 p.m. - 5:00 p.m.
Selected Papers 33
Pearl Room 5 – Hotel 2nd Floor

Organic and Conventional Vegetable Production in Oklahoma
Kalpana Khanal, Shida Henneberry, Merritt Taylor, R. Joe Schatzer, Francis M. Epplin, B. Warren Roberts, Jonathan Edelson, and Jim Shrefler, Oklahoma State University

Economic Impact of the Texas Deer Breeding Industry
Brian J. Frosch, David P. Anderson, and Joe L. Outlaw, Texas A&M University

Economics of Organic Blueberry Establishment in Georgia
Kristy Plattner, Esendugue Greg Fonsah, Cesar Escalante, Gerard Krewer, and Harald Scherm, University of Georgia; Peter C. Andersen, Oscar Liburd, and Moukaram Terulliano, University of Florida

Genetically Modified Crops: An Input Distance Function Approach
Justin Gardner, Middle Tennessee State University; Richard Nehring, USDA-ERS; Carl Nelson, University of Illinois

The Economics of Growing and Delivering Cellulosic Feedstocks in the Beaumont, Texas Area
Roland J. Fumasi, James W. Richardson, and Joe L. Outlaw, Texas A&M University

The Doha Development Agenda: Where Are We and Where Are We Going?
Organizer: Parr Rosson and Flynn Adcock, Texas A&M University
Moderator: Lynn Kennedy, Louisiana State University

Presenters:
1. Parr Rosson, Texas A&M University and Stanley Fletcher, University of Georgia
2. Darren Hudson, Mississippi State University and Flynn Adcock, Texas A&M University
3. Jaime Malaga and Sam Mohanty, Texas Tech University
4. Larry Sanders, Oklahoma State University and Jim Novak, Auburn University; Eric Wailes, University of Arkansas (Discussion opening remarks).

JAAE Editorial Council Meeting
Executive Boardroom – Hotel 2nd Floor

Tuesday 5 p.m. - 7 p.m.
SAEA Reception
Dallas World Aquarium, 1801 N. Griffin Street
(Take the light rail from the stop in front of Adam’s Mark Hotel; get off at McKinney@Griffin)
Southern Association of Agricultural Scientists (SAAS) Agricultural Education Division Officers

President and Conference Chair
Antoine Alston, North Carolina A & T State University

Research Meeting Chairs
James Flowers & Gary Moore, NC State University

Vice-President
Dennis Duncan, University of Georgia

Secretary
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American Association for Agricultural Education (AAAE) Southern Region Officers

Vice-President
James Dyer, University of Florida

Alternate Vice-President
Adam Kantrovich, Michigan State University

Secretary
Elizabeth Wilson, NC State University

Saturday, February 2

3:00 – 6:00 p.m. - Registration
Grand Hall – Conf Center
John Rayfield, NC State University

8:00 – 8:30 p.m. - Icebreaker Reception
Press Club – Hotel, 2nd floor
Facilitator: Antoine Alston

8:30 - 9:30 p.m. - TAPS
(Tenure & Promotion Session)
An Administrative & Faculty Perspective
Press Club – Hotel, 2nd floor


**AGRICULTURAL EDUCATION**

**Session A: Extension Education**  
City View 1 – Hotel, 4th floor

Chair: Christopher Mathis, South Carolina State University  
Discussant: Gary Jackson, Mississippi State University  
Facilitator: Rick Maxwell, Texas Cooperative Extension Service

**Relationships Between the Perceived Characteristics of E-Extension and Barriers to Its Adoption**  
Amy Harder, University of Florida & James Lindner, Texas A&M University

**Influences on Florida Agricultural Extension Agents’ Decisions to Remain in the Extension Organization**  
Shannon Arnold, University of Florida; Nick Place, University of Maryland; Ed Osborne, University of Florida; Glen Israel, University of Florida & Saundra Tenbroeck, University of Florida

**Extension Agents’ Educational Preferences for Learning About Conservation Tillage Systems**  
K. S. U. Jayaratne, North Carolina State University; Julia W. Gaskin, University of Georgia; R. Dewey Lee, University of Georgia; D. Wayne Reeves, USDA ARS & Gary Hawkins, University of Georgia

**Session B: Teacher Preparation**  
City View 2 – Hotel, 4th floor

Chair: Shane Robinson, Oklahoma State University  
Discussant: George Wardlow, University of Arkansas  
Facilitator: Tanya Franke, Oklahoma State University

**Cooperating Teachers’ Perceptions of Student Teachers’ Learning Gaps in FFA, Leadership Development, SAE and Program Management**  
Amy Crump, Habersham Central High School (Georgia); John C. Ricketts, University of Georgia; Dennis W. Duncan, University of Georgia and Jason B. Peake, University of Georgia

**Session C: Secondary Agricultural Education Programs**  
Dallas Ballroom A2 – Conf Center

Chair: Thomas Broyles, Virginia Tech  
Discussant: Todd Brashears, Texas Tech University  
Facilitator: Rebecca McGovney-Ingram, Texas A&M University

**Secondary Agricultural Science as Content and Context for Teaching**  
T. Grady Roberts, Texas A&M University & Anna L. Ball, University of Florida

**Identifying Early Career Secondary Agriculture Teachers’ Needs and Preferences of Support**  
Ann M. De Lay, University of Florida & Shannon Washburn, University of Florida

**Quality Indicators of Secondary Agricultural Education Programs**  
Charles Cordell Jenkins, III, Rolla Technical Institute (Missouri) & Tracy Kitchel, University of Kentucky

12:00 - 1:30 p.m. - Brown Bag Luncheon & Committee Meetings

Press Club – Hotel, 2nd floor

(Lunch will be delivered)
AGRICULTURAL EDUCATION

AAAE Regional Committee Meetings

Professional Development Committee*
City View Room 1 – Hotel, 4th floor
Nicole Stedman - Chair
Jay Morgan
Robin Horstmeier

Program Improvement Committee*
City View Room 2 – Hotel, 4th floor
Jason Peake - Chair
Kathleen Kelsey
Dennis Duncan
David Jones

Research Committee*
Dallas Ballroom A2 – Conf Center
Grady Roberts - Chair
Mark Kistler
Tracy Kitchel
Scott Burris
John Rayfield
Anna Ball

Member Services Committee*
Press Club – Hotel, 2nd floor
Adam Kantrovich
Kirk Swortzel
Curt Friedel

*Function and Duties of the Standing Committees are found at the end of this program.

1:30 – 2:30p.m. – SIGS
Press Club – Hotel, 2nd floor
Facilitator: James Dyer
• Ag Communication
• Ag Leadership
• Ag Education in Domestic and International Settings: Extension & Outreach
• Ag Education in University and Postsecondary Settings
• Ag Education in Schools

2:00 – 2:30p.m. - Innovative and Research Poster Set-Up
Grand Hall – Conf Center
Chair: Jason Peake
Facilitator: K.S.U. (Jay) Jayaratne

2:30 – 4:00p.m. - Innovative and Research Poster Session
Grand Hall – Conf Center

Research Posters

Student Attitudes vs. Technology Barriers: Who Wins?? - Sara Brierton & David Jones, North Carolina State University

The Effectiveness of a Dynamic Interdisciplinary Food Safety Curriculum Targeted on Middle School Students in Tennessee – Sarah Johnson & Carrie Fritz, University of Tennessee

What Affects Changes in Middle School Students’ STEM Interests and Beliefs? Shannon H. Degenhart, Gary J. Wingenbach, Diana L. Mowen, James R. Lindner & Larry Johnson, Texas A&M University

Enhancing Preservice Agriculture Teachers’ Reflective Practice Using the Structured Field Experience – Ann Marie De Lay, Shannon G. Washburn & Anna L. Ball, University of Florida

Needs Assessment for the Virginia Farm Bureau Federation Young Farmers Program: Who are Young Agriculturist in Virginia – Rose Bradshaw, Virginia Tech, Doug Stoughton, Virginia Farm Bureau; Rick Rudd, Virginia Tech

Is a Sense of Community Important to Distance Students? – Rene P. Miller, Texas Tech/Texas A&M, Kim E. Dooley, Texas A&M University; David L. Doerfert, Texas Tech University; Theresa Pesl Murphey, Texas A&M University; Scott H. Burris, Texas Tech University; Larry M. Dooley, Texas A&M University

A Demographic Analysis of FFA Members’ Chapter Leadership Engagement – Brittany Wilkinson, Cameron White & Robin Peiter Horstmeier, University of Kentucky

Keep the “Science” in Agriscience: The Importance of Science Integration into Agricultural Education – Tiffany L. Johnston & T. Grady Roberts, Texas A&M University

A Summation of the Preparation Level of First and Second Year Kentucky Agricultural Education Teachers – Robin Peiter Horstmeier, University of Kentucky; Stacy K. Vincent, Murray State University; Amber Houck, University of Kentucky; Jay Morgan, Murray State University
AGRICULTURAL EDUCATION

Factors Likely to Create Safety-Conscious Equestrians in the 4-H Horse Program – Courtney Hathaway & John Rayfield, North Carolina State University

The Effects of Reading Strategies upon Student Achievement Through the Content Area of Agricultural Education – J. Chris Wilder, Williston High School; Anna J. Warner & Brian E. Myers, University of Florida

Strategies Used by Agricultural Science Teachers to Serve Secondary Students with Disabilities – Bob Williams, Texas A&M University Commerce; Terri Phillips, Corsicana Independent School District; Misty Lair & Erin Wilson, Texas A&M University Commerce

Codifying the Wisdom of Expert Teacher Practice in Agriscience Fair Projects – Brian Myers & Anna L. Ball, University of Florida

Who is Living Where: An Assessment of Students Volunteering to Live in a Residential Learning Community or other On-Campus Resident Housing – Steelee Hogue & Todd Brashears, Texas Tech University

Extension Education within the Land-Grant University System – Matt Benge, Diane Mashburn & Amy Harder, University of Florida

Providing a Safer Consumer Product: Will Beef Cattle Producers Take the Next Step – Laura Lemons & Todd Brashears, Texas Tech

Seven Years of Stakeholder Evaluation Trends Regarding Experiential Learning – Sarah Baughman, Barry A. Garst & Nicholas E. Fuhrman, Virginia Tech

An Assessment of Minor Crop Producers’ Extension and Education Needs – Tanya C. Franke, Kathleen D. Kelsey & Tom Royer, Oklahoma State University

Understanding the Strengths of our Future Agricultural Leaders – Eric K. Kaufman & Thomas W. Broyles, Virginia Tech

Student Teacher Data Collection Yields Positive Results – John Ricketts & Jason Peake, University of Georgia

AGRICULTURAL EDUCATION

Assessing the Employability Skills of Graduates in Hard vs. Soft Disciplines in a College of Agriculture – J. Shane Robinson, Oklahoma State University

Experiences of First Year Agricultural Education Teachers – Robin Peter Horstmeier, Cameron C. White & Amber M. Houck, University of Kentucky

Experiences Agricultural Education Student Teacher Interns – Amber M. Houck, Cameron C. White & Robin Peter Horstmeier, University of Kentucky

Gender Differences Among Agricultural Education Instructors’ Attitudes Toward Information Technology – Ryan Anderson, Murray State University; Rusty Miller, North Carolina A&T; Bob Williams, Texas A&M Commerce; Marshall Swafford, Lindsey High School; Christie Brooks, Round Rock High School

Implications of Maintenance and Motivator Factors on Extension Agent Turnover – Robert Strong & Amy Harder, University of Florida

Innovative Posters

Health Rocks! as a Leadership Tool – Shanna Holder, Landon Summers, Jacquelyn Deeds & Susan Holder, Mississippi State University

Future Agricultural Education Teacher Academy – Jon W. Ramsey & Karie M. Smith, Oklahoma State University

The Use of Action Research in a Reformed Pre-service Teacher Preparation Program – Thomas W. Broyles, Rachel M. Morgante-Richmeier & Edward W. McCann Jr., Virginia Tech

Developing a Comprehensive Recruiting Program: The Top Ten Things Deans / Department Chairs Should Know About Recruitment – Lucas Dee Maxwell, University of Florida

Save the Water! A Master Gardener Musical-Comedy with a Message – Pat Grace, Virginia Tech

Professional Development for Tractor and Machinery Certification – Robert L. Williams Erin Wilson & Misty Lair, Texas A&M Commerce
AGRICULTURAL EDUCATION

Program Evaluation and Development in Agricultural Leadership for FFA Officers – John Lindsey, Worth County High School; Jamie Stevens, Lee County High Middle School; Dennis Duncan & John C. Ricketts, University of Georgia

Internet Educational Games: Teaching Agriculture in the Digital World – John C. Ricketts, Dennis Duncan & Frank Flanders, University of Georgia

AgTube: Using Video Clips as a Pedagogical Tool to Teach Agriculture – Dennis Duncan, John C. Ricketts & Frank Flanders, University of Georgia

Student Success Workshop Series: A Student Retention Strategy Facilitated Through University Collaboration - Amanda Lee, Barbara M. Kirby, Angel Johnson & Alease Hancock, North Carolina State University

Reel me in! Using Movies to Reinforce Foundations in Teaching and Learning – Amber M. Houck, Cameron C. While, Derek J. Smith & Robin Peiter Horstmeier, University of Kentucky

The Big City, Big County Road Show Recruitment Model – Lacey Brianne Fraze, Texas A&M University

Documenting Accommodations for Special Needs Students in Agricultural Education – Dana Melvin & Elizabeth Wilson, North Carolina State University

The Importance of Sharing – A Web-Based National Database for Agricultural Education Lesson Plans – Jason Peake & John Ricketts, University of Georgia

Assisting Georgia Agriculture Teachers with Technology Integration – Jason Peake, University of Georgia; James D. Scott, Coffee County High School

Arkansas Biodiesel Research, Demonstration, and Education Project – Garris T. Hudson, Donald M. Johnson & George W. Wardlow, University of Arkansas

Computer Simulation of Statistical Concepts: A Visual Method for Enhancing Student Learning – Donald M. Johnson, University of Arkansas

AGRICULTURAL EDUCATION

LEI: Leadership Education Institute for Faculty in Colleges of Agriculture – Penny Pennington Weeks, Jennifer Williams, William Weeks, Jay Barbuto, Cindy Blackwell, Christine Langone & Carol McBryde, Oklahoma State University

Freshman College Orientation Courses in Agriculture: Enhancing Student Engagement – Joey E. Mehlhorn & James N. Butler, University of Tennessee at Martin

Using Movies to Teach – David Jones, North Carolina State University

Utilizing a Tablet Computer to Capture Evidence for Performance Based Assessment – Richard Steffen, Illinois State University

eLearning as a Tool for Faculty-Development Prior to Delivering Learner-Centered Workshops in International Settings – Andrew C. Thorton, University of Florida; T. Grady Roberts, Texas A&M University; R. Kirby Barrick, University of Florida; Mohamed M. Samy, MUCIA-AERI Linkage Project

Increasing Multicultural Diversity through Educational Partnerships – Doug Morrish, Texas State University San Marcos; Nora Garza, Laredo Community College; Aditi Angirasa, Texas State University San Marcos

An 1862–1890 Partnership to Deliver Agricultural Education - T. Grady Roberts, Texas A&M University; Wash A. Jones, Prairie View A&M University; Gary E. Briers, Scott R. Cummings, Kim E. Dooley & Chanda Elbert, Texas A&M University; Richard W. Griffin, Prairie View A&M University; Julie F. Harlin, Alvin Larke, Jr., Landry Lockett, Theresa Pels Murphey, Tim H. Murphy, Don L. Renchie & Christine D. Townsend, Texas A&M University

2:30 - 3:30 p.m. - SAAS Board of Directors Meeting
Majestic Boardroom 1 – Hotel, 37th floor
(Antoine Alston/Dennis Duncan/Craig Edwards)

3:30 p.m. – 5:00 p.m. - SAAS General Session
Dallas Ballroom A3 – Conf Center

5:00 p.m. – till - SAAS Reception & Super Bowl Party (Kickoff: 5:18 p.m.)
Dallas Ballroom B/C – Conf Center
AGRICULTURAL EDUCATION

Monday, February 4

7:30a.m. – Registration
Grand Hall – Conf Center
John Rayfield, NC State University

8:30 - 10:00a.m. - Concurrent Research Session II

Session D: Leadership Development
City View 1 – Hotel, 4th floor

Chair: David Jones, North Carolina State University
Discussant: Marcus Comer, North Carolina A&T State University
Facilitator: Thaysa Campbell, North Carolina A&T State University

FFA Chapters Involved in Civic Engagement
Describe Member Role and Context of Leadership Activities
Robin Peiter Horstmeier, University of Kentucky; Brittany Wilkinson, University of Kentucky & Cameron C. White, University of Kentucky

Exploring Goal-Setting as a Tool for Leadership Development
Eric K. Kaufman, Virginia Tech; Glenn D. Israel, University of Florida & Rick Rudd, Virginia Tech

Professional Development for Local Volunteer Leaders: A Conceptual Plan
Eric K. Kaufman, Virginia Tech; Hannah S. Carter, University of Florida & Rick Rudd, Virginia Tech

Engaging Hispanic Students in Agricultural Education and the FFA: A Case Study
T. Grady Roberts, Texas A&M University; Johnathan L. Hall, Texas A&M University; Gary Briers, Texas A&M University; Ernie Gill, National FFA Organization; Glen Shinn, Texas A&M University & Alvin Larke, Jr., Texas A&M University

Session E: Higher Education
City View 2 – Hotel, 4th floor

Chair: Kim Dooley, Texas A&M University
Discussant: Barbara Kirby, North Carolina State University
Facilitator: Holly Kasperbauer, Virginia Tech

Student Experiences as Peer Learning Assistants in the Life, Agricultural, and Natural Sciences
Anna Ball, University of Florida & Neil Knobloch, Purdue University

AGRICULTURAL EDUCATION

Academic Advising: Does a Match Between Advisors’ Academic Advising Style and Students’ Preferred Advising Style Have an Effect on Student Satisfaction?
Margo D. Hale, University of Arkansas; Donna L. Graham, University of Arkansas & Donald M. Johnson, University of Arkansas

Levels of Student Development in the College of Agricultural and Life Sciences at the University of Florida
Brian Estevez, University of Florida & Ed Osborne, University of Florida

Session F: Academic Integration in Agricultural Education
City View 3 – Hotel, 4th floor

Chair: Jay Morgan, Murray State University
Discussant: David Doeffert, Texas Tech University
Facilitator: Shauna Holder, Mississippi State University

Effects of a Math-Enhanced Curriculum and Instructional Approach on Student’s Achievement in Mathematics: A Year-long Experimental Study in Agricultural Power and Technology
R. Brent Young, North Dakota State University; M. Craig Edwards, Oklahoma State University & James Leising, Oklahoma State University

Self-Reported Level of Mathematics Integration of Outstanding Virginia Agricultural Educators
Ryan Anderson, Murray State University, Robert (Bob) Williams, Texas A&M University – commerce & John Hillison, Virginia Tech.

Integrating Academics into Agriculture Programs: A Delphi Study to Determine Perceptions of the National Agriscience Teacher Ambassador Academy Participants
Brian E. Myers, University of Florida & Gregory W. Thompson, Oregon State University

10:00 - 10:30a.m. – Break
Majestic Board Room 4/5 – Hotel, 37th floor

10:30 - 11:45a.m. - AAAE–SRC Business Session I
Majestic Board Room 4/5 – Hotel, 37th floor
Presiding: James Dyer, University of Florida, Southern Region AAAE Vice-President
12:00 - 1:30 p.m. - Conference Luncheon
Majestic Board Room 4/5 – Hotel, 37th floor
Presiding: Antoine Alston, Southern Region AAAE Vice-President
Invocation: John Ricketts
Introduction of New Faculty & Graduate Students: Antoine Alston
Memorial Recognitions: James Dyer
Mystery Speaker

1:30 - 3:00 p.m. - Issues Forum
Majestic Board Room 4/5 – Hotel, 37th floor
Presiding: Barry Croom
Topic: The National Research Agenda for Agricultural Education and Communication: Where do we go from here?
Speakers: Larry Case, United States Department of Education
Kim Dooley, Texas A&M University
Rick Rudd, Virginia Tech University

3:00 - 3:30 p.m. – Break
Majestic Board Room 4/5 – Hotel, 37th floor

3:30 – 4:30 p.m. - AAAE–SRC Business Session II
Majestic Board Room 4/5 – Hotel, 37th floor
Presiding: James Dyer, University of Florida, Southern Region AAAE Vice-President
Facilitating: Adam Kantrovich, Southern Region AAAE Alternate Vice President
Elizabeth Wilson, Southern Region AAAE Secretary

5:30 p.m. - An Agricultural Education Out West Evening
Southfork Ranch
(Buses will pick attendees up from the front of the hotel.)

Tuesday, February 5

7:00 a.m. - SAAS Board of Directors Meeting
Majestic Boardroom 1 – Hotel, 37th floor
(Antoine Alston/Dennis Duncan/Craig Edwards)
Examining iPod Use by Texas Agricultural Science and Technology Teachers
Theresa Murphrey, Texas A&M University; Kimberly Miller, Texas A&M University & T. Grady Roberts, Texas A&M University

Session I: Inquiry-Based Learning
City View 3 – Hotel, 4th floor

Chair: Cliff Ricketts, Middle Tennessee State University
Discussant: James Flowers, North Carolina State University
Facilitator: Jill Casten, Virginia Tech

Problems and Inquiry-Based Learning: A Theoretical and Practical Synthesis
John C. Ricketts, University of Georgia; Jon Ramsey, Oklahoma State University & Donna Moore, Virginia Tech

Influence of Creative Problem Solving upon Ninth Grade Student Achievement and Satisfaction
Kim Alexander, Roscoe, TX Independent School District; Matt Baker, Texas Tech University; Glen C. Shinn, Texas A&M University & Jacob Tiemann, Roscoe, TX Independent School District

Agriculture Teacher Perceptions of Preparation to Integrate Science and Their Current use of Inquiry Based Learning
Shannon Washburn, University of Florida & Brian E. Myers, University of Florida

9:30 - 10:00a.m. - Break
City View 6 – Hotel, 4th floor

10:00 – 11:15a.m. - Professional Development Seminar
Majestic Board Room 4/5 – Hotel, 37th floor
Chair: Antoine Alston
Speakers: Larry Case – Chief Executive Officer and National Advisor, Coordinator, Agricultural & Rural Education for the U.S. Department of Education; and Larry Lippke, Head Information Technology, Texas, Cooperative Extension Service

11:30 – 1:00p.m. - Awards Luncheon
Majestic Board Room 4/5 – Hotel, 37th floor
Presiding: James Flowers
Presenters: Outstanding Research Paper
Presentation: Dennis Duncan
Outstanding Research Posters: Jason Peake
JSAER Award: Tim Murphy
AAAE Southern Region Awards: James Dyer/Adam Kantrovich

S-AAAE Conference Adjourns after Lunch
**AGRONOMY**

**Southern Branch**  
**2008 SAAS Program**

**Sunday, February 3, 2008**

**Registration**  
12:00 PM–5:00 PM  
Dallas Adam’s Mark-Convention Center,  
Grand Hall, 1st floor

**Poster Session**  
Dallas Adam’s Mark-Convention Center,  
Grand Hall, 1st floor  
Authors Present 3:00 PM–6:00 PM

**Graduate Student Competition**

1. Measurement of CO2 Exchange in a Peanut Field: Response to Temperature and Soil Moisture. Natchaya Pingintha1*, Monique Leclerc1, John P. Beasley Jr.2, Jinkyu Hong1, Gengsheng Zhang1 and Chuckree Senthong3, (1) The University of Georgia, (2) University of Georgia, (3) Chiang Mai University


3. Effects of Soil-Applied Imidacloprid on the Control of Two Foliage Feeding Citrus Pests. Delfino Rodriguez*1, Dr Shad D. Nelson2, Mamoudou Sétamou1 and Robert Saldana1, (1) Texas A&M University-Kingsville Citrus Center, (2) Texas A&M University-Kingsville


5. Response of Soil CO2 Efflux to Rainfall Variability in Wheat and Peanut Fields. Chompunut Chayawat*1, Monique Leclerc1, Jinkyu Hong1, John P. Beasley Jr.2 and Chuckree Senthong3, (1) University of Georgia, (2) University of Georgia, (3) Chiang Mai University

6. Residual Effects of Previous Broiler Litter Applications on Soybean Productivity. Matt Upchurch*, David Ferguson, Iln Handayani and John Mikulcik, Murray State University

**Posts – Crops**

7. Buffalograss Response to Swine Efluent and Urea N: A 7 Year Study. J. Clemn Turner* and Jeff Hatley, Oklahoma State University


9. Ammonia Losses from Surface Applied Urea-Based Nitrogen Fertilizers. Fernando Ducamp1*, Charles Mitchell1, Francisco Arriaga2 and Kipling Balkcom2, (1) Auburn University, (2) USDA-ARS


11. Short-Term (1948-2001) Temperature and Rainfall Trends for the South-Central USA. David Burner*, USDA-ARS


13. Effects of Planting Date on Agronomic Performance and Yield of Two Bt Crops in the Mississippi Delta. Lingxiao Zhang*, M. Wayne Ebelhar and Bernie White, Mississippi State University

14. Late Season Aerification and Topdressing Effects on Cynodon dactylon Spring Green-up. Paul B. Woosley*, Western Kentucky University

15. A Survey on Agriculture Student's Views and Expectations of Coop Courses and Internship Experiences. Paul B. Woosley* and John Kessell, Western Kentucky University

16. Herbicides and Intercultivation Improves Weed Control in Winter Canola. Udai R. Bishnoi* and Lekhanath Paudel, Alabama A&M University

17. Mobile Biodiesel Processing Unit Launched in Alabama: A Biodiesel Classroom on Wheels. Ernst Cebert*, Alabama A&M University


19. Effects of Avail on Phosphorus Utilization of 'Tifton' 85 Bermudagrass. Brandon Stewart1*, Paul A. Beck2, Larry Murphy3 and Melissa M. Beck1, (1) University of Arkansas, (2) University of Arkansas Southwest Research & Extension Center, (3) Fluid Fertilizer Foundation
Response of Determinate and Indeterminate Soybeans to Bradyrhizobium japonica Seed Inoculation on a Clay Soil Following Rice. Paul Francis*1, Dain Strickland2 and C. Robert Stark1, (1) University of Arkansas at Monticello, (2) University of Arkansas

Influence of Nitrogen Fertilizer Placement on Corn Yield in Single and Twin Row Production Systems. Henry J. Mascagni* Jr. and Robert Bell, LSU AgCenter

Soil Carbon and Nitrogen Measurements under different Crops and Land Management. Rocky Lemus, Mississippi State University, Lawrence C. Garcia*, Natural Resources Conservation Service and David Colbert, Texas A&M University - Commerce

Phytoremediation Technology for Land Rehabilitation. Joel L. Douglas*1, Jerry Lemunyon1, Bill Kuenstler1, James Henson1 and Peter Kulakow2, (1) Natural Resources Conservation Service, (2) Kansas State University - Plant Pathology

Nitrogen and Potassium Fertilizer Response for Non-Irrigated Cotton Production. Davis R. Clark* and M. Wayne Ebelhar, Mississippi State University

SAAS Opening Session
4:00 PM–6:00 PM
Dallas Adam's Mark-Convention Center, Dallas Ballroom A3, 1st floor

SAAS Reception
6:00 PM–10:00 PM
Dallas Adam's Mark-Convention Center, Dallas Ballroom B/C, 1st floor

Monday, February 4, 2008

Graduate Student Oral Competition—Crops

7:55 AM–10:00 AM
Dallas Adam's Mark-Convention Center, Dallas Ballroom A3, 1st floor

Graduate Student Oral Competition—Soils

10:00 AM–12:00 PM
Dallas Adam's Mark-Convention Center, Dallas Ballroom A3, 1st floor

Discussion
10:05 AM
Chelate-Assisted Phytoextraction Potential of Vetiver Grass in Reducing Human Bioaccessibility of Soil Lead. Syam Sundar Andra*, Rupali Datta, Dibyendu Sarkar and Sumathi K. M. Saminathan, Environmental Geochemistry Laboratory, University of Texas at San Antonio

10:20 AM
TNT Adsorption in Chemically Variant Soils: Preliminary Studies. Padmini Das*, Konstantinos C. Makris, Dibyendu Sarkar, Rupali Datta and Pravin Punamiya, University of Texas at San Antonio

10:35 AM
Evaluation of Polymer-Coated Urea as an Alternative to Preflood Urea for Delayed-Flood Rice. Bobby Golden*, Nathan Slaton, Russell Delong and Richard Norman, University of Arkansas

10:50 AM
Stormwater Runoff Analysis for the University of Arkansas Campus Area. Keshia Koehn*, Univ. of Arkansas CSES Club

11:05 AM
Spatial Patterns of Physical Properties in Heterogeneous Citrus Soils of Florida. Kirandeep Mann*, Arnold Schumann and Thomas Obreza, University of Florida

11:20 AM

11:35 AM
Effect of Arbuscular Mycorrhizal Fungi on Cadmium Uptake by Brassica juncea: An Incubation Study. Pravin Punamiya*, Rupali Datta, Mandakini Patel, Dibyendu Sarkar and Padmini Das, University of Texas at San Antonio

11:50 AM
Discussion

12:00 PM
Lunch

1:10 PM–3:00 PM
Dallas Adam’s Mark-Convention Center, Dallas Ballroom A3, 1st floor
Presiding: Nathan Slaton, University of Arkansas

1:10 PM
Introductory Remarks

1:15 PM
Cover Crop Management Effects on Microclimate and Soil Biological Activity. Larry Zibilske* and Donald Makus, USDA-ARS

1:30 PM
Antioxidative Responses and Arsenic Localization in the Arsenic-Hyperaccumulator Chinese Brake Fern (Pteris vittata L.). Mandakini J. Patel*, Rupali Datta1, Pravin Punamiya1, Dibyendu Sarkar1 and Shivendra Sahi2, (1) University of Texas at San Antonio, (2) Western Kentucky University

1:45 PM
Soil Microbial Diversity, Structure and Functioning Under Alternative Systems to Continuous Cotton. Veronica Acosta-Martinez*1, Gloria Burow1 and Vivien G. Allen2, (1) USDA-ARS, (2) Texas Tech University

2:00 PM
Soil Carbon Pools and Aggregation under Endophyte-infected and Endophyte-Free Tall Fescue. I.P. Handayani*1, M.S. Coyne2 and T. Phillips2, (1) Murray State University, (2) University of Kentucky

2:15 PM
Monitoring Water Wells in Middle Tennessee with down Well Camera. Samuel Dennis*1, Desh Duseja1, Paul F. Vendrell2 and Alvin Wade1, (1) Tennessee State University, (2) University of Georgia

2:30 PM
Discussion

2:40 PM
Break
AGRONOMY

Forages

3:00 PM–4:30 PM
Dallas Adam's Mark-Convention Center, Dallas
Ballroom A3, 1st floor
Presiding: Daren Redfearn, Oklahoma State
University Extension

3:00 PM
Introductory Remarks

3:05 PM
Seeded Bermudagrass Evaluations Across the
Southeastern USA. Gerald Evers*1, William
Anderson2, David Lang3, Charlie Rodgers4 and
Brandon Shankle3, (1) Texas A&M University -
Rangeland Ecology & Management,
(2) USDA-ARS, (3) Mississippi State University,
(4) Seeds West

3:20 PM
Growth and Quality of Cool-Season Perennial
Grass Species in the Southern Great Plains.
Samuel W. Coleman*1, Srinivas C. Rao2, Jerry
Volesky3 and William A. Phillips2, (1) USDA-
ARS, Subtropical Agricultural Research Station,
(2) USDA-ARS, (3) University of Nebraska

3:35 PM
Levels of Nitrogen in Soils, Plants and Shallow
Groundwater Beneath Bahiagrass-Based
Pastures with Cow-Calf Operations. Gilbert C.
Sigua*1, Robert K. Hubbard2 and Samuel W.
Coleman1,
(1) USDA-ARS, Subtropical Agricultural Research
Station, (2) Southeast Watershed Research
Laboratory, USDA-ARS

3:50 PM
Phosphorus Acquisition by Duo Grass (Duo
fistulorum ) is Enhanced in the Presence of
Various P- Sources in the Growth Media. Priya
Padmanabhan1, Kenneth Sajwan2 and Shivendra Sahi*1, (1) Western Kentucky
University,
(2) Savannah State University

4:05 PM
Defoliation Management Effects on Tifton-85
Bermudagrass Greenchop Production and Pest
Problems. Yoana C. Newman*1, Kevyn Juneau2,
Norman Leppla2, Clyde W. Fraisse2, Mary C.
Christman3 and Jennifer Gillett3, (1) University of
Florida - Agronomy Department, (2) University of
Florida, (3) University of Florida - IFAS

AGRONOMY

4:20 PM
Discussion

4:30 PM
Adjourn

Business Meeting
4:30 PM–5:30 PM
Dallas Adam's Mark-Convention Center, Dallas
Ballroom A3, 1st floor
Presiding: Kipling Balkcom, USDA-ARS

Tuesday, February 5, 2008

Row Crops I
8:00 AM–9:45 AM
Dallas Adam's Mark-Convention Center, Dallas
Ballroom A3, 1st floor
Presiding: Jason Kelley, University of Arkansas
Cooperative Extension Service

8:00 AM
Introductory Remarks

8:05 AM
Comparing Maturity Group IV Soybeans with
Later Groups in South Carolina. Pawel Wiatrak*,
Clemson University

8:20 AM
Response of Peanut Cultivars to Planting Date.
J. P. Beasley* Jr., R.S. Tubbs, J.E. Paulk III, R.C.
Kemerait, Albert K. Culbreath and T.B.
Brenneman, University of Georgia

8:35 AM
Sulfur Application on High pH Soils to Improve
Nutrient Availability. Robert Wiedenfeld*, Texas
Agricultural Experiment Station (Main Office)

8:50 AM
Italian Ryegrass Management in Texas Wheat.
Gaylon Morgan*, Texas A&M University - Soil &
Crop Sciences

9:05 AM
Improving Phosphorus Fertilization
Recommendations for Rice. Timothy Walker*1,
Michael Cox1, Nathan Slaton2, Jason Bond1 and
Jason M. Satterfield1, (1) Mississippi State
University, (2) University of Arkansas
9:20 AM
Evaluation of Agrotain and Nutrisphere Coated Urea Applied Preflood to Delayed-Flood Rice.
Richard J. Norman*, Trenton L. Roberts, Alice J. Enochs, Nathan A. Slaton and Charles E. Wilson,
University of Arkansas

9:35 AM
Discussion

9:45 AM
Break

**Row Crops II**
10:05 AM–11:35 AM
Dallas Adam's Mark-Convention Center, Dallas
Ballroom A3, 1st floor
Presiding: Timothy Walker, Mississippi State University

10:05 AM
Introductory Remarks

10:10 AM
Establishing Crimson Clover Following Soybean as A N Source for Corn. Carl R. Crozier*, Alan D. Meijer, Samuel C. Reberg-Horton and George Place, North Carolina State University

10:25 AM
Seeding Rates and Nitrogen Rates for Twin-row Corn Production in Mississippi. M. Wayne Ebelhar* and Davis R. Clark, Mississippi State University

10:40 AM
Three-year Summary of Cotton Response to Residual N and K Following Corn Production in the Mississippi Delta. Davis R. Clark* and M. Wayne Ebelhar, Mississippi State University

10:55 AM
Initial Comparison of Seeding Rates and N Rates for Single-row and Twin-row Corn Production. M. Wayne Ebelhar* and Davis R. Clark, Mississippi State University

11:10 AM
Immediate and Residual Effect of Pelleted Poultry Litter on Corn in Arkansas. Morteza Mozaffari*, Nathan A. Slaton, C. G. Herron and S. D. Carroll, (1) University of Arkansas Soil Testing and Research Laboratory, (2) University of Arkansas

11:25 AM
Discussion

11:35 AM
Adjourn
ANIMAL SCIENCE

2007-2008

ASAS SOUTHERN SECTION OFFICERS

Dr. Chadwick C. Chase, Jr., President
USDA, ARS
Brooksville, FL

Dr. Elizabeth B. Kegley, President-Elect
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Fayetteville, AR

Dr. David G. Morrison, Secretary-Treasurer
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Dr. Dale A. Coleman, Past President
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ANIMAL SCIENCE

Award Sponsors

2008 Southern Section ASAS

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 1

Academic Quadrathlon (AQ)
9:00 PM Advisor’s Mtg. College Station, TX

Saturday, February 2

AQ Oral Preparation
6:30 AM — NOON Pearl Rooms 1, 2, 3, 4

AQ Oral Presentation
8:00 AM — NOON Pearl Room 5

AQ Quiz Bowl
8:00 AM — 1:00 PM Live Oak Room

AQ Quiz Bowl Championship & Awards Program
8:00 AM — 4:00 PM Seminar Theater

Registration
11:00 AM — 4:00 PM Grand Hall

Information Exchange Groups:
SCC-81 – Sustainable small ruminant production
10:00 AM — 4:00 PM City View Room 6

SERA-36 – Beef/forage production in Southeast
1:00 PM — 4:00 PM Pearl Room 4

SCC-72 – Enhancing reproductive efficiency in cattle
1:00 PM — 4:00 PM Pearl Room 5

SAAS Opening Session & Business Meeting
3:30 PM — 5:00 PM Dallas Ballroom A3

Super Bowl Party
5:00 PM Dallas Ballroom B/C

5:00 PM — 6:00 PM Presidential Suite 1255

Monday, February 4

Registration
7:30 AM — 4:00 PM Grand Hall

Graduate Student Competition
8:00 AM — 11:45 AM Dallas Ballroom B
**ANIMAL SCIENCE**

*ARPAS EXAMS*
10:00 AM — 4:00 PM
Adam’s Mark, 1st floor
Pearl Room 3

*Breeding and Genetics*
1:00 PM — 3:15 PM
Adam’s Mark, 4th floor
City View Room 3

*Physiology 1*
1:00 PM — 4:30 PM
Conference Center
Dallas Ballroom D1

*Extension/Pastures and Forages/Ruminant Animal Production Joint Symposium*
1:00 PM — 3:00 PM
Adam’s Mark, 4th floor
City View Room 2

*Small Ruminant Production 1*
1:00 PM — 4:15 PM
Conference Center
Dallas Ballroom A2

*Undergraduate Student Competition*
1:00 PM — 4:00 PM
Conference Center
Dallas Ballroom B

*Pastures and Forages 1*
3:30 PM — 4:30 PM
City View Room 3

*Ruminant Animal Production 1*
3:30 PM — 4:30 PM
City View Room 2

*SS-ASAS Business Mtg. & Awards Program*
5:00 PM — 7:00 PM
Conference Center
Dallas Ballroom B

*NAGP Small Ruminant Subcommittee*
7:00 PM to 9:00 PM
Conference Center
Dallas Ballroom A2

**Tuesday, February 5**

*Registration*
8:00 AM — NOON
Conference Center
Grand Hall

*Meats*
8:00 AM — 8:30 AM
Conference Center
Dallas Ballroom D1

*Pastures and Forages 2*
8:00 AM — 11:15 AM
Conference Center
Dallas Ballroom B

*Physiology 2*
8:00 AM — 11:30 AM
Conference Center
Dallas Ballroom A1

*Ruminant Animal Production 2*
8:00 AM — 11:30 AM
Conference Center
Dallas Ballroom C

**ANIMAL SCIENCE**

*Small Ruminant Production 2*
8:00 AM — 11:15 AM
Conference Center
Dallas Ballroom A2

*Extension 1*
9:00 AM — 11:30 AM
Conference Center
Dallas Ballroom D1

*Extension Luncheon*
11:30 AM — 1:00 PM
Adam’s Mark, 37th floor
Majestic Boardroom 1

*Extension 2*
1:00 PM — 2:30 PM
Conference Center
Dallas Ballroom D1

*Ruminant Animal Production 3*
1:00 PM — 2:45 PM
Conference Center
Dallas Ballroom C

**ASAS Southern Section Meeting**
Dallas, Texas
February 2-5, 2008

**Monday, February 4**

**SYMPOSIA AND ORAL SESSIONS**

*Graduate Student Competition*
Chair: Scott Willard
Mississippi State University
Conference Center Dallas Ballroom B

8:00 AM 26
Endotoxin induced uncoupling of the somatotrophic axis in nursery pigs.
L. E. Hulbert*, J. A. Carroll*, and K. Haydon*,
1Livestock Issues Research Unit, Agricultural Research Service-USDA, Lubbock, TX, 2Prince Agri Products, Inc., Quincy, IL.

8:15 AM 27
Effects of MEGALAC-R® inclusion to receiving diets of weaned feeder calves.

8:30 AM 28
Horned vs. polled: A survey of gene expression in neonatal horn buds and skin.
K. R. Wunderlich*, C. A. Abbey, and C. A. Gill, Texas A&M University, College Station.

66
Identification of signatures of recent positive selection in beef and dairy cattle.

J. Choi*, R. Villa-Angulo², K. Wright³, L. K. Matukumalli², C. P. Van Tassell⁴, C. D. Bustamante³, J. J. Grefenstette², and C. A. Gill¹, ¹Texas A&M University, College Station, ²George Mason University, Fairfax, ³Cornell University, Ithaca, ⁴USDA-ARS, Beltsville.

Dihydrotestosterone levels in genetically naked and furred male rabbits.

R. H. Jackson*, S. D. Lukefahr¹, R. L. Stanko¹,², and D. O. Flores¹, ¹Department of Animal and Wildlife Sciences, Texas A&M University-Kingsville, ²Animal Reproductive Laboratory, Texas A&M University Agricultural Research Station, Beeville.

Historic genetic characterization of King Ranch Quarter Horses.

L. Dobson*, S. D. Lukefahr¹, S. Moore², D. S. Delaney², and J. Lee², ¹Department of Animal and Wildlife Sciences, Texas A&M University-Kingsville, ²King Ranch, Kingsville, TX.

Effects of dietary supplementation of yeast culture to sow diets on sow and litter performance.

C. Vasquez*, B. J. Min¹, and S. W. Kim², ¹Texas Tech University, Lubbock, ²North Carolina State University, Raleigh.

Identification of single nucleotide polymorphisms in the promoter region of the bovine follicle stimulating hormone gene.

S. Nabhan*, S. Reiter¹, D. Kreider¹, M. Looper², and C. Rosenkrans¹, ¹University of Arkansas, Fayetteville, ²USDA/ARS, Booneville, AR.

Effects of dried distillers grains during preconditioning on subsequent wheat pasture and finishing performance of fall-weaned beef steers.

S. J. Winterholler*, B. P. Holland, T. K. Dye, C. R. Krehbiel, and G. W. Horn, Oklahoma State University, Stillwater.
Breed group means and estimates of heritability for weaning ratio in Angus, Charolais, Hereford, and Red Poll cattle.

Genetic analyses of beef traits of crossbred and purebred Romosinuano, Brahmian, and Angus steers.
D. G. Riley1, C. C. Chase1, M. F. Miller2, J. C. Brooks2, D. D. Johnson3, W. A. Phillips4, S. W. Coleman1, and T. A. Olson3, 1USDA, ARS, Brooksville, FL, 2Texas Tech University, Lubbock, 3University of Florida, Gainesville, 4USDA, ARS, El Reno, OK.

Genetic effects on circulating concentrations of cortisol at and after weaning in breed-types adapted to the subtropics.
C. C. Chase, Jr.*, R. D. Randel2, D. G. Riley1, S. W. Coleman1, and T. A. Olson3, 1USDA, ARS, Brooksville, FL, 2Texas Agricultural Experiment Station, Overton, TX, 3University of Florida, Gainesville.

Genetic markers in the leptin gene and association with carcass traits in Brahmian steers.
D. E. Franke1, T. D. Bidner2, M. G. Thomas2, and B. W. Woodward3, 1Louisiana State University Agricultural Center, Baton Rouge, 2New Mexico State University, Las Cruces, 3Merial Limited, Duluth, GA.

Use of a new collection vessel to improve post-collection semen parameters.

Do light and temperature truly affect semen quality in all species?
J. Weathers1, H. Goolsby, J. Smith, L. Penrose, and S. Prien, Texas Tech University, Lubbock.

Effects of dietary supplementation with an organic source of selenium on semen characteristics in boars.
M. J. Estienne*, S. M. Speight, and A. F. Harper, Virginia Polytechnic Institute and State University, Blacksburg.

Influence of endophyte-infected fescue on semen characteristics of Brahman-influenced bulls.
M. L. Looper1, R. W. Rorie2, C. N. Person2, M. D. Person1, T. D. Lester2, and C. F. Rosenkrans, Jr.2, 1USDA-ARS, Booneville, AR, 2University of Arkansas, Fayetteville.
2:30 PM  64  
Evaluation of PG type and two progestogen based
estrous synchronization programs in suckled
postpartum Bos indicus x Bos taurus cows.
E. N. McKinniss*, R. D. Esterman, S. A. Woodall,
B. R. Austin, G. Hansen, and J. V. Yelich, University
of Florida, Gainesville.

2:45 PM  65  
Day of the estrous cycle (DOC) at initiation of a
Select Synch + CIDR® synchronization protocol
affects protocol response in suckled Angus (AN)
and Brangus (BN) cows.
R. D. Esterman*, B. R. Austin, S. A. Woodall, E. N.
McKinniss, and J. V. Yelich, University of Florida,
Gainesville.

3:00 PM  Break.

3:15 PM  66  
The effect of serum supplementation, medium
volume, and oil overlay on cleavage and
blastocyst formation of bovine embryos cultured
in vitro.
S. Jung* and S. T. Willard, Mississippi State
University, Mississippi State.

3:30 PM  67  
Effect of antioxidants on in vitro production of pig
embryos.
B. D. Whitaker* and J. W. Knight, Virginia Polytechnic
Institute and State University, Blacksburg.

3:45 PM  68  
A novel approach to the cryopreservation of
equine and porcine embryos by vitrification after
blastocoelic micromanipulation.
L. Ray*, J. Scherzer*, W. Graves*, G. Heusner*, and
J. Coverdale*, 1University of Georgia, Athens, 2Texas
A & M University, College Station.

4:00 PM  69  
Development of a rapid automatable test system
for determining antimicrobial susceptibility
testing in vitro using bioluminescent Salmonella
typhimurium.
K. Moulton*, 1C. Scanes, 2S. Willard, 3D. Moore, 3
S. Laird, 1A. Harris, 1K. Necaise, 1B. McClenton, and
P. Ryan, 1Mississippi State University, Mississippi
State, 2University of Wisconsin at Madison.

4:15 PM  70  
Modification of lipid composition of poultry egg
from hens fed waterleaf (Talinum triangulare)
supplements.
M. O. Ezekwe*, F. F Jeewani, S. A. Besong, and
C. Okere, 1Alcorn State University, Alcorn State, MS,
2Delaware State University, Dover.

ANIMAL SCIENCE

Extension/Pastures and Forages/Ruminant
Animal Production Joint Symposium
Chair: John Arthington
University of Florida
Adam’s Mark City View Room 2 (4th floor)

1:00 PM  Invited: Preconditioning Beef Calves in the U.S.
R. H. Pritchard, South Dakota State University,
Brookings.

1:40 PM  Preconditioning Beef Calves - Southern Plains.
D. L. Lalman, Oklahoma State University, Stillwater.

2:00 PM  Preconditioning Beef Calves - Gulf South.
J. D. Arthington, University of Florida, Ona.

2:20 PM  Preconditioning Beef Calves - Southeast.
M. H. Poore, North Carolina State University, Raleigh.

2:40 PM  Preconditioning Beef Calves.
Discussion/ Q&A.

Small Ruminant Production 1:
Production and Reproduction
Chair: Bob Godfrey
University of the Virgin Islands
Conference Center Dallas Ballroom A2

1:00 PM  108  
The effect of time of day of feeding on growth and
body temperature of hair sheep lambs in the
tropics.
R. W. Godfrey* and R. C. Ketring, University of the
Virgin Islands, Agricultural Experiment Station,
Kingshill, VI.

1:15 PM  109  
Growth of lambs and meat goat kids grazing
warm season grasses with or without protein
supplement.
S. R. Nusz*, E. L. Walker, and M. A. Brown,
1Redlands Community College, El Reno, OK,
2Missouri State University, Springfield, 3USDA-ARS,
El Reno, OK.
Endophyte-infected tall fescue affects intake-equalized weight gain in yearling meat goat does. R. Browning, Jr.*, B. Donnelly, L. Moore, and J. Carlise, Tennessee State University, Nashville.


The effect of breed type and year on real-time ultrasound carcass traits, performance and scrotal circumference of bucks enrolled in the Kentucky Buck Development Program. K. May*, B. Galbreath, R. Pitzer, P. Prater, and T. Wistuba, Morehead State University, Morehead, KY.


Induced copper deficiency by elevated molybdenum on growth performance and carcass characteristics of goat kids. K. Begesse*, S. Solaiman, S. Roper, N. Gurung, and K. Copedge, Tuskegee University, Tuskegee, AL.

Use of short-duration progestagen treatment combined with prostaglandin to synchronize estrus in hair sheep ewes. S. Wildeus and J. R. Collins*, Virginia State University, Petersburg.

Sperm motility, viability, and fertility of sheep and goat semen after extended solid storage at 4°C. S. Wildeus*, J. L. Mook, and J. R. Collins, Virginia State University, Petersburg.

Effect of egg yolk level, washing and extended pre-freeze equilibration on post-thaw motility of buck semen. J. L. Mook* and S. Wildeus, Virginia State University, Petersburg.


Characterization of a QTL for disposition on BTA8. C. R. Boldt*, C. A. Abbey, and C. A. Gill, Texas A&M University, College Station.


Changes in thermal gradients of the external genitalia of neonatal pigs after oral exposure to soy-derived phytoestrogen genistein and estradiol.


Breed of sire, but not feeding program, affects circulating concentrations of leptin in pigs.

K. A. Alberti, M. J. Estienne, and A. F. Harper, Virginia Polytechnic Institute and State University, Blacksburg.

Agroforestry utilization of goats and sheep for brush and weed control in forests.

J. F. Guay, E. A. Callahan, and Y. Sato, Berry College, Mount Berry, GA.

Severe copper deficiency combined with high dietary manganese does not affect bovine prion characteristics.


The effect of Bovine Leukosis Virus infection on the proportion among bovine leukocyte populations in the blood of cows.

S. Touroo, E. Carson, B. Lewis, B. Galbreath, K. Peterson, P. Prater, and T. Wistuba, Morehead State University, Morehead, KY.

Relationships among lactate dehydrogenase activities, isoenzyme patterns, and hematological values in resting Thoroughbred and Miniature horses.

H. Minard, C. Bokina, K. Jogan, S. Reiter, and C. Rosenkrans, University of Arkansas, Fayetteville.

Identification of genomic polymorphisms in upstream elements of the bovine CYP3A28 gene.

K. Murphy, S. Reiter, M. Brown, R. Okimoto, H. Brown, Jr., and C. Rosenkrans, University of Arkansas, Fayetteville.

Effects of two commercially available modified live virus vaccines on carcass traits of beef steers.

Effect of dietary boron on physiological responses in growing steers inoculated with bovine herpesvirus type-1.

Water intake and factors affecting water intake in growing beef cattle.
M. N. Brew*¹, R. O. Myer², J. N. Carter², and G. R. Hansen², ¹University of Florida, Gainesville, ²North Florida Research and Education Center, Marianna.

Actual versus predicted water intake in growing beef cattle.
M. N. Brew*¹, R. O. Myer², J. N. Carter², and G. R. Hansen², ¹University of Florida, Gainesville, ²North Florida Research and Education Center, Marianna.

Evaluation of forage sampling method and characterization of chemical composition of subtropical forages selected by grazing cattle.
A. Hughes* and M. Hersom, University of Florida, Gainesville.

Urea and(or) feather meal supplementation for yearling steers grazing limpograss (Hemarthria altissima var. 'Floralta') pasture.
W. F. Brown*¹, M. B. Adjei², and J. D. Arthington², ¹University of Florida, Gainesville, ²University of Florida, Ona.

Effect of stocking rate and cottonseed cake supplementation on stocker cattle grazing bermudagrass.
M. S. Gadberry*¹, P. Beck², T. Hess³, D. Hubbell, Ill³, J. W. Butterbaugh⁴, B. C. Rudolph⁴, and M. Smith⁴, ¹University of Arkansas, Cooperative Extension Service, Little Rock, ²Southwest Research and Extension Center, Hope, ³Livestock and Forestry Branch Station, Batesville, ⁴Furst-McNess, Freeport, IL.

Coastcross II, Russell, and Tifton 85 bermudagrass hay intake and digestion by steers.
G. M. Hill*¹, W. F. Anderson², D. J. Renney¹, S. V. Tucker¹, and B. G. Mullinix, Jr.¹, ¹University of Georgia, Tifton, ²USDA-ARS, Tifton, GA.

Post-weaning performance of spring-born calves weaned from tall fescue pastures with a wild-type toxic endophyte or a non-toxic novel endophyte.
K. Coffey*¹, W. Coblenz², J. Caldwell¹, D. Hubbell, Ill¹, T. Hess¹, C. West¹, M. Looper³, C. Krebbiel⁴, and C. Rosenkrans¹, ¹University of Arkansas, Fayetteville, ²USDA-ARS, Marshfield, WI, ³USDA-ARS, Booneville, AR, ⁴Oklahoma State University, Stillwater.
9:15 AM 51
Evaluation of toxic and non-toxic endophyte-infected tall fescue on growth rate and grazing behavior of beef heifers.
C. R. Bailey*, M. L. Looper², K. P. Coffey³, and C. F. Rosenkrans, Jr.³, ¹Arkansas Tech University, Russellville, ²USDA-ARS, Booneville, AR, ³University of Arkansas, Fayetteville.

9:30 AM 52
Effect of rotational or continuous grazing strategy of winter pasture on beef heifer and forage performance.

9:45 AM 53
Effect of establishment method and stocking rate on performance of calves grazing small grain pasture.

10:00 AM 57
Fecal near infrared reflectance spectroscopy (NIRS) calibrations for predicting fecal output of donkeys.
N. Kidane*, J. Stuth, and D. Tolleson, Texas A & M University, College Station.

10:15 AM 54
Impact of substituting perennial cool-season grasses for winter wheat on stocker performance.
W. A. Phillips*, B. K. Northup¹, B. C. Venuto¹, and G. W. Horn², ¹USDA-ARS, El Reno, OK, ²Oklahoma Agricultural Experiment Station, Stillwater.

10:30 AM 55
Comparison of poured protein block supplement and whole cottonseed fed with hay to beef cows during winter.
G. M. Hill¹, M. H. Poore³, M. E. Pence², S. V. Tucker¹, D. J. Renney¹, and B. G. Mullinix, Jr.¹, ¹University of Georgia, Tifton, ²University of Georgia Veterinary Diagnostic Center, Tifton, ³North Carolina State University, Raleigh.

10:45 AM 56
Effects of stage of maturity at harvest and hybrid on production characteristics of corn silage.
R. Pitzer*, B. Rogers, H. Nauman, B. Galbreath, J. Willard, and T. Wistuba, Morehead State University, Morehead, KY.
9:15 AM  76
**Relationship of rumen temperature of beef cows to parturition and estrus.**

9:30 AM  77
**Relationship of cortisol and immunoglobulin G concentrations to temperament and growth performance in beef calves.**
K. R. Parker*1, A. N. Musselwhite2, S. T. Willard2, R. D. Randle3, T. H. Welsh4, and R. C. Vann1, ¹MAFES-Brown Loam Experiment Station, Raymond, MS, ²Mississippi State University, Mississippi State, ³Texas A & M University Agriculture Research and Extension Center, Overton, ⁴Texas A & M University, College Station.

9:45 AM  78
**Relationship between residual feed intake and age at puberty in Brahman bulls.**
N. D. Ramirez*1, D. A. Neuendorff3, A. W. Lewis3, S. T. Willard4, T. D. A. Forbes5, R. L. Stanko1,2, and R. D. Randle3, ¹Texas A&M University-Kingsville, ²Texas A&M University Agricultural Research Station, Beeville, ³Texas A&M University Agricultural Research and Extension Center, Overton, ⁴Mississippi State University, Mississippi State, ⁵Texas A&M University Agricultural Research and Extension Center, Uvalde.

10:00 AM  Break.

10:15 AM  79
**Genetic influences on the bovine acute phase protein response following an endotoxin challenge.**
J. A. Carroll*1, J. D. Arthington2, C. C. Chase, Jr.3, S. W. Coleman3, D. G. Riley4, D. E. Spiers4, and R. R. Reuter5, ¹USDA-ARS, Lubbock, TX, ²University of Florida-IFAS, Ona, ³USDA-ARS, Brooksville, FL, ⁴University of Missouri, Columbia, ⁵The Noble Foundation, Inc., Ardmore, OK.

10:30 AM  80
**Evaluation of stress in horses in hippotherapy programs.**

10:45 AM  81
**Relationships between plasma proteins and hematological values in Thoroughbred and Miniature horses.**
C. Bokina*, K. Jogan, and C. Rosenkrans, Jr., University of Arkansas, Fayetteville.

11:00 AM  82
**IGF-I dependent gene expression in cultured porcine granulosa cells.**

11:15 AM  83
**Effects of soy-derived phytoestrogen and estradiol exposure on reproductive development in neonatal pigs: a model for infants fed soy-based formula.**
K. Necaise*1, K. Moulton1, D. Christiansen1, M. Crenshaw1, C. Scanes2, and P. Ryan1, ¹Mississippi State University, Mississippi State, ²University of Wisconsin at Milwaukee.

**Ruminant Animal Production 2**
Chair: Gordon Carstens, Texas A&M University
Conference Center Dallas Ballroom C

8:00 AM  88
**Relative value of five byproducts as supplements to stocker cattle.**

8:15 AM  89
**Level of cottonseed cake supplementation for beef calves fed tall fescue hay.**
P. Beck*1, M. Morgan1, S. Gadberry1, T. Hess1, D. Hubbell1, B. Rudolph2, M. Smith2, and J. Butterbaugh2, ¹University of Arkansas Division of Agriculture, Little Rock, AR, USA, ²Furst-McNess Company, Freeport, IL, USA.

8:30 AM  90
**Frequency of supplementation with a mix of soyhulls and corn gluten feed does not affect performance of growing cattle fed a hay based diet.**
M. E. Drewnoski*, M. H. Poore, and G. A. Benson, North Carolina State University, Raleigh.

8:45 AM  91
**Effects of supplementation frequency on development of yearling Brahman-crossbred heifers: I. Performance, reproductive, and physiological responses.**
R. F. Cooke*1,2, D. B. Araujo1,2, A. D. Ealy2, and J. D. Arthington1, ¹University of Florida-IFAS, Ona, ²University of Florida-IFAS, Gainesville.
Effects of supplementation frequency on development of yearling Brahman-crossbred heifers: II. Liver and muscle gene expression. R. F. Cooke\textsuperscript{1,2}, D. B. Araujo\textsuperscript{1,2}, A. D. Ealy\textsuperscript{2}, and J. D. Arthington\textsuperscript{1}, \textsuperscript{1}University of Florida-IFAS, Ona, \textsuperscript{2}University of Florida-IFAS, Gainesville.

Effects of supplementation frequency on gene expression and physiological responses of Brahman-crossbred cows. R. F. Cooke\textsuperscript{1,2}, D. B. Araujo\textsuperscript{1,2}, A. D. Ealy\textsuperscript{2}, G. C. Lamb\textsuperscript{3}, and J. D. Arthington\textsuperscript{1}, \textsuperscript{1}University of Florida-IFAS, Ona, \textsuperscript{2}University of Florida-IFAS, Gainesville, \textsuperscript{3}University of Minnesota, Grand Rapids.

Relationships between residual feed intake and apparent nutrient digestibility in growing calves. W. K. Krueger\textsuperscript{1}, G. E. Carstens\textsuperscript{1}, P. A. Lancaster\textsuperscript{1}, L. J. Slay\textsuperscript{1}, J. C. Miller\textsuperscript{1}, and T. D. A. Forbes\textsuperscript{2}, \textsuperscript{1}Texas A&M University, College Station, \textsuperscript{2}Texas Agricultural Experiment Station, Uvalde, TX.

Predicting back fat thickness in beef cattle using A-mode ultrasound technology. W. A. Phillips\textsuperscript{1}, S. W. Coleman\textsuperscript{2}, C. C. Chase, Jr.\textsuperscript{2}, and D. G. Riley\textsuperscript{2}, \textsuperscript{1}USDA-ARS, El Reno, OK, \textsuperscript{2}USDA-ARS, Brooksville, FL.

Evaluation of average fiber diameter of mohair fleeces prior to shearing using a field-portable Near-infrared Reflectance Spectroscopy instrument. S. D. Prince\textsuperscript{1}, D. R. Tolleston\textsuperscript{1}, C. J. Lupton\textsuperscript{2}, J. W. Walker\textsuperscript{2}, K. L. Rater\textsuperscript{1}, and E. E. Wiedower\textsuperscript{1}, \textsuperscript{1}Texas A&M University, College Station, \textsuperscript{2}Texas A&M University System, San Angelo.

Use of the FAMACHA system to evaluate gastrointestinal nematode resistance in offspring of Katahdin rams. J. Burke\textsuperscript{1} and J. Miller\textsuperscript{2}, \textsuperscript{1}USDA, ARS, Booneville, AR, \textsuperscript{2}Louisiana State University AgCenter, Baton Rouge.

On-farm integrated management of Katahdin lambs for gastrointestinal nematodes (GIN). A. Wells\textsuperscript{1}, P. Casey\textsuperscript{2}, J. Burke\textsuperscript{3}, J. Miller\textsuperscript{4}, and C. Trice\textsuperscript{2}, \textsuperscript{1}Springpond Holistic Animal Health, Prairie Grove, AR, \textsuperscript{2}Heifer International, Perryville, AR, \textsuperscript{3}USDA, ARS, Booneville, AR, \textsuperscript{4}Louisiana State University AgCenter, Baton Rouge.
8:45 AM 123
Evaluation of parasite load in hair- or wool-type lambs on drylot or wheat pasture.
L. A. Appeddu¹, G. Poudyal¹, A. Hughes¹, M. A. Brown², and S. P. Hart³, ¹Southwestern Oklahoma State University, Weatherford, ²USDA-ARS, El Reno, OK, ³E (Kika) de la Garza Institute for Goat Research, Langston University, Langston, OK.

9:00 AM 124
Effect of vaccinating grazing ewes with H-11/H-gal-GP antigens from intestinal membrane cells on established Haemonchus contortus infection.
J. E. Miller¹, K. P. Shaky¹, and W. D. Smith², ¹Louisiana State University AgCenter, Baton Rouge, ²Auburn University, Auburn, AL.

9:15 AM 125
The effect of sericea lespedeza, fed as pellets, on established infection of Haemonchus contortus in sheep.
J. E. Miller¹, J. A. Mosjidis², T. H. Terrill³, and J. M. Burke⁴, ¹Louisiana State University AgCenter, Baton Rouge, ²Auburn University, Auburn, AL, ³Fort Valley State University, Fort Valley, GA, ⁴USDA-ARS, Booneville, AR.

9:30 AM 126
Use of sericea lespedeza hay to reduce worm burden in goats.
S. A. Shaik¹, T. H. Terrill¹, J. A. Mosjidis², G. S. Dykes¹, J. E. Miller², B. Kouakou¹, G. Kannan¹, and J. M. Burke⁴, ¹Louisiana State University AgCenter, Baton Rouge, ²Auburn University, Auburn, AL, ³Fort Valley State University, Fort Valley, GA, ⁴USDA-ARS, Booneville, AR.

9:45 AM 127
Control of Haemonchus contortus infestation in ewes with copper sulfate.

10:00 AM  Break.

10:15 AM 128
Comparison of sheep and goats for efficacy of copper oxide wire particles against gastrointestinal nematodes.
F. A. Soli¹, T. H. Terrill¹, W. R. Getz¹, S. A. Shaik¹, M. Vanguru¹, A. K. Vuggam¹, J. E. Miller², and J. M. Burke³, ¹Fort Valley State University, Fort Valley, GA, ²Louisiana State University AgCenter, Baton Rouge, ³USDA, ARS, Booneville, AR.

10:30 AM 129
Efficacy of copper oxide wire capsules as an anthelmintic for weanling kids.
S. Hart* and Z. Wang, E. Kika) de la Garza American Inst for Goat Research, Langston, OK.

10:45 AM 130
Using the FAMACHA® system to control internal parasites in meat goats grazing summer pastures.
S. Schoenian¹, J. Semler², M. B. Bennett³, D. L. Jackson², and J. Dietz-Band⁴, ¹University of Maryland Cooperative Extension, Keedysville, ²Delaware State University, Dover, ³West Virginia University Cooperative Extension, Martinsburg, ⁴University of Maryland Cooperative Extension, Boonsboro.

11:00 AM 131
Herbal dewormer fails to control gastrointestinal nematodes (GIN) in goats.
A. Wells¹, P. Casey*², J. Burke³, and R. Kaplan⁴, ¹Springpond Holistic Animal Health, Prairie Grove, AR, ²Heifer International, Perryville, AR, ³USDA, ARS, Booneville, AR, ⁴Univ of Georgia, Athens.

Extension 1
Chair: David Lalman
Oklahoma State University
Conference Center Dallas Ballroom D1

9:00 AM 10
Effects of dietary supplementation of benzoic, formic, and lactic acids to pig diets on ammonia emission from manure and urine pH.
S. W. Kim¹, J. O. Vaughn², and D. A. Monson³, ¹North Carolina State University, Raleigh, ²Emerald Performance Materials, Kalama, WA, ³Texas Tech University, Lubbock.

9:15 AM 11
Measuring the impact of equine grazing schools.

9:30 AM 12
Mississippi Master Stockman: collaborative beef and equine programming—equine emphasis.
P. R. Buff*, J. A. Parish, and J. D. Rhinehart, Mississippi State University, Mississippi State.

9:45 AM 13
Mississippi Animal Disease and Disaster Preparedness Program.
J. D. Rhinehart¹, J. Watson², P. R. Buff¹, and J. A. Parish¹, ¹Mississippi State Univ, Mississippi State, ²Mississippi Board of Animal Health, Jackson, MS.
10:00 AM 14
Missouri livestock producers' perceptions of the national animal identification system.
B. L. Deimeke*, W. D. Walker, C. Levesque-Bristol, and E. L. Walker, Missouri State University, Springfield.

10:15 AM 15
Determining wastage when ground feeding soybean hulls.
B. M. Nichols1 and R. S. Wells*2, 1Cameron University, Lawton, OK, 2Samuel Roberts Noble Foundation, Ardmore, OK.

10:30 AM 16
Free-choice mineral disappearance and projected mineral balance of beef cows consuming bermudagrass and prairie hay.
C. P. McMurphy*, D. L. Lalman, S. J. Winterholler, and C. J. Richards, Oklahoma State University, Stillwater.

10:45 AM 17
Corn stover as an emergency feed for beef cows.
M. H. Poore*1, A. D. Shaeffer1, and J. L. Godwin2, 1North Carolina State University, Raleigh, 2North Carolina Department of Agriculture and Consumer Services, Raleigh.

11:00 AM 18
Effect of region of origin, Southeast versus Midwest, on feedlot performance and carcass traits in beef calves.
W. D. Busby*1, D. Strohbehn1, L. R. Corah2, and M. E. King2, 1Iowa State University, Ames, 2Certified Angus Beef LLC, Wooster, OH.

11:15 AM 19
Effect of percentage Angus on feedlot performance and carcass traits in beef calves.
W. D. Busby1, L. R. Corah2, M. A. McCully2, and M. E. King2, 1Iowa State University, Ames, 2Certified Angus Beef LLC, Wooster, OH.

11:30 AM – 1:00 PM
Extension Luncheon
Adam's Mark, 37th floor
Majestic Boardroom 1

1:00 PM 20
The Virginia Quality Assured (VQA) certified feeder calf program: Ten years of value-added feeder cattle marketing.
J. B. Hall*, B. R. McKinnon, W. D. Whittier, and S. P. Greiner, Virginia Polytechnic Institute and State University, Blacksburg.

1:15 PM 21
Improving the efficiency of a beef cow calf operation using IRM principles.

1:30 PM 22
Effect of beef cattle production characteristics on rate of adoption.
J. J. Cleere*, C. T. Boleman, and K. Merten, Texas Cooperative Extension, College Station.

1:45 PM 23
Beef IQ: A multi-session educational program for Arkansas beef producers.
B. Barham*1, M. Gadberry1, J. Richeson1, P. Beck2, W. Whitworth3, R. Hogan3, and J. Powell5, 1University of Arkansas Division of Agriculture Cooperative Extension Service, Little Rock and 2Hope, 3Monticello, University of Arkansas Division of Agriculture Research & Extension Center, 2Hope, 3Monticello, and 5Kiser.

2:00 PM 24
Mississippi Master Stockman: Collaborative beef and equine programming-beef emphasis.
J. A. Parish*, J. D. Rhinehart, and P. R. Buff, Mississippi State University, Mississippi State.

2:15 PM 25
Results of technology questions as part of Master Cattle Producer Survey.
J. B. Neel*, A. E. Fisher, W. W. Gill, C. D. Lane, Jr., and F. D. Kirkpatrick, University of Tennessee, Knoxville.
ANIMAL SCIENCE

Ruminant Animal Production 3
Chair: Jason Rowntree
Louisiana State University Agricultural Center
Conference Center Dallas Ballroom C

1:00 PM 101
Feeding value of peanut skins for sheep.
G. Abdelrahim1, J. Khatiwad1, D. Rankins2, and
N. Gurung3, 1Alabama A & M University, Normal,
2Auburn University, Auburn, AL, 3Tuskegee
University, Tuskegee, AL.

1:15 PM 102
Influence of breed and mineral trough visitation
on copper status of beef heifers.
K. Guidry*, J. Rowntree, G. Lum, and D. Skeans,
Louisiana State University Agricultural Center, Baton
Rouge.

1:30 PM 103
Evaluation of external and internal parasite
control with spring calving cows and calves.
S. DeRouen*, J. Miller2, L. Foil2, C. Younger2, G.
Gentry3, and J. Pitchford3, Louisiana State University
Agricultural Center, 1Homer, 2Baton Rouge, and 3St.
Gabriel.

1:45 PM 104
Factors associated with pregnancy rate in first
exposed, crossbred heifers.
Rorie, C. A. Tucker, J. L. Reynolds, and J. A.
Hornsby, University of Arkansas, Fayetteville.

2:00 PM 105
Effects of temperature, temperament, and
Brahman influence on feedlot performance of
weaned heifers wintered on corn silage.
W. A. Storer*, F. M. LeMieux, and T. H. Shields,
McNeese State University, Lake Charles, LA.

2:15 PM 106
Relationship of temperament to production traits
in a commercial cowherd.
B. R. Kutz*, M. L. Buchanan2, M. L. Looper3,
A. H. Brown, Jr.1, Z. B. Johnson1, C. F. Rosenkrans1,
S. T. Reiter1, and S. Nabhan1, 1University of
Arkansas, Fayetteville, 2Arkansas Cooperative
Extension Service’, Van Buren, 3USDA/ARS,
Booneville, AR.
8:25  Introductory Remarks – Dr. Jeff Boles, President
Dr. SK Ballal, Program Chair and Journal Editor

8:30  “Plant salt tolerance: genes, functions and regulations” Huazhong Shi, Jiafu Jiang, Dongwon Beak and Jung-Sung Chung, Texas Tech University, Department of Chemistry and Biochemistry, Lubbock, TX 79409

9:00  “Role of Secreted Proteins in the Phytopathology of Botrytis cinerea” Maria Davis¹, Punit Shah², Ajay K. Pandey¹, Hind El Mubarek¹, Ron Orlando² and G.K. Podila¹, ¹Department of Biological Sciences, University of Alabama in Huntsville, Huntsville, AL and ²Complex Carbohydrate Research Center, University of Georgia, Athens, GA

9:30  “Production of Bioactive Resveratrol Analogues in Hairy Roots of Peanut” Fabricio Medina-Bolivar¹,²,³, José Condori¹, Ganapathy Sivakumar¹, Mahadevappa Badanavalu¹, Malathi Srivatsan¹,² and Maureen Dolan¹,³. ¹Arkansas Biosciences Institute, ²Department of Biological Sciences, Arkansas State University, P.O. Box 639, Jonesboro, AR 72467 and ³Nature West Inc., Jonesboro, AR

10:00  “Characterization of New Auxin Response Mutants in Arabidopsis” Nihal Dharmasiri, Sunethra Dharmasiri, Anuradha Gunathilake, Nirmala Karunarathne, Chamindeke Siriwardana and Cameron Collier, Department of Biology, Texas State University-San Marcos, 601 University Drive, San Marcos, TX 78666

10:30  “Defining QTLs controlling the morphological and molecular basis of reproductive stage heat tolerance and susceptibility in wheat (Triticum aestivum)” Dirk Hays, Esten Mason, Jung Hwa Do and Suchimita Mondal, Institute for Plant Genomics & Biotechnology, Soil and Crop Sciences, Texas A&M University, 2474 – TAMU, College Station, TX 77843

11:00  “Nutritional Impact of Elevated Calcium Transport in Carrots”, Jay Morris, Keli Hawthorne, Tim Hotze, Steve Abrams and Kendall Hirsch, United States Department of Agriculture, Agriculture Research Service, Children’s Nutrition Research Center, Department of Pediatrics, Baylor College of Medicine, Houston, TX 77030

11:30 – 1:00 - Lunch Break

1:00  “Novel Methods for the Bioremediation of CAFO Manur Lagoon Odors” Mark J. Olsen, D.V. Gil, E. Caraway and D.B. Parker, Department of Math, Chemistry, Physics, and Agriculture, Box 60787, West Texas A&M University, Canyon, TX 79015

1:30  “New Animal Biotechnologies for the Livestock Industry” Robert A. Godke, G.T. Gentry and Kenneth R. Bondioli, Louisiana State University, School of Animal Sciences, 105 Francioni Hall, Baton Rouge, LA 70803

2:00  “NIP, a Medicago truncatula gene required for endocytosis of rhizobia during symbiotic nitrogen-fixing nodule development” Rebecca Dickstein, Catalina Pislaru, Yi-Ching Lee, Viktoriya Morris, Heath Wessler, Janine Gann and Janine Sherrier, Department of Biological Sciences, University of North Texas, P.O. Box 305220, Denton, TX 76203-5220

2:30  “Molecular Basis of Insecticide Resistance in Mosquitoes” Nannan Liu, Department of Entomology and Plant Pathology, Auburn University, Auburn, AL 36849.
BIOCHEMISTRY and BIOTECHNOLOGY

3:00 "Investigating Soybean-Phakopsora pachyrhizi Interactions Using Proteomics" Zhi-Yuan Chen and Sunjung Park, Department of Plant Pathology and Crop Physiology, Louisiana State University, 302 Life Sciences Building, Baton Rouge, LA 70803

3:30 "Synthesis and Localization of Wound and Pathogen Induced Proteins in Dioscorea bulbifera" Allyson Bradley and Theodore Fox, Department of Biology, University of West Florida, 11000 University Parkway, Pensacola, FL 32514-5751

4:00 "Arabidopsis Calcium Sensors Regulate Nitric Oxide Levels and the Transition to Flowering" Yu-Chang Tsai, Nikki Delk, Naweed Chowdhury and Janet Braam, Biochemistry & Cell Biology, MS 140, Rice University, PO Box 1892, Houston, Texas 77251-1892

4:30 Closing Remarks

HORTICULTURAL SCIENCE

PROGRAM
68th ANNUAL MEETING
Southern Region
American Society for Horticultural Science
February 2-4, 2008
Dallas, Texas

SPECIAL EVENTS AND SESSIONS

SATURDAY, FEBRUARY 2, 2008

7:00 am - 6:00 pm – Registration
Presiding: Dave Reed
Room: Hotel, Lobby

8:00 am - 5:00 pm - Pecan Research and Extension Forum
Presiding: Leo Lombardini
Room: Seminar/Amphitheater (Hotel, 2nd floor)

8:00 am - 5:00 pm - Southern Blueberry/Small Fruit Workers
Presiding: Joe Masabni
Room: Austin Ballroom 3 (Hotel, 2nd floor)

10:00 am - 11:30 pm - ACB Program, Share Club Activities and Refreshments
Presiding: Susan Murphy, ACB President
Room: Austin Ballroom 2 (Hotel, 2nd floor)

12:00 noon - 1:00 pm - ACB Group Lunch
Presiding: Susan Murphy, ACB President
Room: Austin Ballroom 2 (Hotel, 2nd floor)

1:00 pm - 5:00 pm - ACB Activities or Tour
Presiding: Susan Murphy, ACB President
Room: Austin Ballroom 2 (Hotel, 2nd floor)

1:00 pm - 5:00 pm - Horticulture Administrators
Presiding: David Williams
Room: Executive Boardroom (Hotel, 2nd floor)

5:00 pm – until - ACB Reception
Presiding: Susan Murphy, ACB President
Room: Austin Ballroom 2 (Hotel, 2nd floor)

5:00 pm - 6:00 pm - Southern Region
ASHS Executive Committee Meeting
Presiding: Joe Kemble
Room: Executive Boardroom (Hotel, 2nd floor)
HORTICULTURAL SCIENCE

SUNDAY, FEBRUARY 3, 2008

7:00 am - 6:00 pm - Registration
Presiding: Dave Reed
Room: Grand Hall – Conf Center

8:00 am – 12:00 pm - Set up Posters
Presiding: Bodie Pennisi
Room: Grand Hall – Conf Center

8:00 am – 12:00 pm - J. Benton Storey Horticulture Judging Contest Setup
Presiding: Kim Pittcock, ACB Advisor
Room: Remington (Hotel, 4th floor)

8:00 am -10:00 am - Extension Section
Presiding: Kathryn Taylor
Room: City View Room 1 (Hotel, 4th floor)

8:00 pm - 5:00 pm - Watermelon Research Group
Presiding: Steve King
Room: Dallas Ballroom D1 – Conf Center

8:00 am - 9:30 am - J. B. Edmond Undergraduate Student Paper Competition
Presiding: Susan Murphy, ACB President
Penny Perkins-Veazie, SR-ASHS President
Pat Williams, Section Chair & Judging Coordinator
Room: Austin Ballroom 1 (Hotel, 2nd floor)

9:00 am – 12:00 pm - Vigna Crops Germplasm Committee
Presiding: Richard Fery
Room: Austin Ballroom 2 (Hotel, 2nd floor)

10:00 am - 12:00 noon - Norman F. Childers M.S. Student Paper Competition
Presiding: Doug Bailey, President Elect
TBA, Judging Coordinator
Room: Austin Ballroom 1 (Hotel, 2nd floor)

12:00 noon - 5:00 pm - Poster Session Viewing
Room: Grand Hall – Conf Center

1:00 pm - 5:00 pm - National Cowpea Improvement Association
Presiding: Bill Gebhardt
Room: Austin Ballroom 2 (Hotel, 2nd floor)

1:00 pm - 5:00 pm - J. Benton Storey Horticulture Judging Contest
Presiding: Kim Pittcock, ACB Advisor
Room: Remington (Hotel, 4th floor)

3:00 pm - 5:00 am - Education Section
Presiding: Amy Wright
Room: City View Room 5 (Hotel, 4th floor)

1:00 pm - 3:00 pm - Warren S. Barham Ph.D. Student Paper Competition
Presiding: Doug Bailey, President Elect
TBA, Judging Coordinator
Room: Austin Ballroom 1 (Hotel, 2nd floor)

3:00 pm - 5:00 pm - Poster Session Viewing - Authors at Posters
Presiding: All Authors at all posters
All students in poster competition at posters
Bodie Pennisi, Judging Coordinator
Room: Grand Hall – Conf Center

3:30 pm - 5:00 pm - SAAS General Session
Presiding: President, SAAS
Room: Dallas Ballroom A3 – Conf Center

5:00 pm – till - SAAS Reception and Super Bowl Party (big screen TV/cash bar)
Title/Speaker: TBA
Room: Dallas Ballroom B/C – Conf Center

MONDAY, FEBRUARY 4, 2008

7:00 am - 10:00 am - Registration
Presiding: Dave Reed
Room: Grand Hall – Conf Center

8:00 pm - 3:00 pm - Poster Session Viewing
Room: Grand Hall – Conf Center

8:00 am - 10:30 pm - Vegetable Crops Section
Presiding: Lynn Brandenberger
Room: City View Room 6 (Hotel, 4th floor)

8:00 am - 10:30 pm - Fruit Crops Section
Presiding: Steve Stringer
Room: City View Room 7 (Hotel, 4th floor)

8:00 am - 10:30 am - Floriculture, Ornamentals and Turf Section
Presiding: Wayne Mackay
Room: City View Room 4 (Hotel, 4th floor)

8:00 am - 10:30 am - Postharvest/Biotechnology/Plant Biology Section
Presiding: Niels Maness
Room: City View Room 5 (Hotel, 4th floor)
HORTICULTURAL SCIENCE

9:00 am - 10:30 am - ACB Business Meeting
Presiding: Susan Murphy, ACB President
Room: Dallas Ballroom A2 – Conf Center

11:00 am - 12:30 pm - Annual Business Meeting and Award Program
Presiding: Penny Perkins-Veazie, President
Room: Dallas Ballroom A2 – Conf Center

1:00 pm - 2:00 pm - Vegetable Crops Section
Presiding: Lynn Brandenberger
Room: City View Room 6 (Hotel, 4th floor)

1:00 pm - 3:30 pm - Fruit Crops Section
Presiding: Steve Stringer
Room: City View Room 7 (Hotel, 4th floor)

1:00 pm - 3:30 pm - Floriculture, Ornamentals and Turf Section
Presiding: Wayne Mackay
Room: City View Room 4 (Hotel, 4th floor)

3:00 pm - 4:00 pm - Poster Session Take Down

SECTION TITLES

SUNDAY, FEBRUARY 3, 2008

J. B. EDMOND UNDERGRADUATE STUDENT PAPER COMPETITION

Room: Austin Ballroom I (Hotel, 2nd floor)
Presiding: Susan Murphy, Penny Perkins-Veazie, Patrick Williams, Judging Coordinator

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

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

Designing a Memorial Garden for the Riley Child Development Center Emphasizing Education.
Susannah Horton* and Mary T. Haque, Dept. of Horticulture, Clemson Univ. Clemson, SC 29634-0375. (shorton@clemson.edu)

10:00 am – 12:00 noon - Order of presentations determined by drawing at beginning of contest.

An Examination of National Plant Selection/Introduction Programs. Emily D. Harris*, Carolyn W. Robinson, Donald J. Eakes, and Jeff L. Sibley, Department of Horticulture, Auburn University, Auburn, Alabama 36849 (harried@auburn.edu)

Above-grade planting with organic matter improves post-transplant root growth and physiology of native shrubs. Julie L. Guckenberger* and Amy N. Wright, Department of Horticulture, Auburn University, Auburn, AL 36849 (guckejl@auburn.edu)

Consumer preference of hydroponic, greenhouse-grown fresh Cucumis sativus L. Leah Crosby1*, Ana Luna2, Ellen Peffley1, and Leslie Thompson2, Department of Plant and Soil Science, Texas Tech

HORTICULTURAL SCIENCE

Evaluating Hard Pinch Timing of Dendranthemum x morifolium on Lateral Shoot Branching and Flowering Response. Stephen T. Blanchette*, Patrick N. Williams and Kris-Ann E. Kaiser, Murray State University, Murray, KY 42071-3345. (stephen.blanchette@murraystate.edu)

In vitro Shoot Proliferation of ‘Dog Ridge’ Grape. Kah-Yat Isaac Wong* and Daniel Lineberger, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (kyiwang@tamu.edu)

Undergraduate International Opportunities: Two Approaches. Laureanne M. Bond*, Carolyn Robinson, Amy N. Wright, Jeff L. Sibley, and Donald J. Eakes, Department of Horticulture, Auburn University, AL 36849. (eakesdj@auburn.edu)
Determining optimum temperatures and seed enhancements for germinating *Paspalum vaginatum* seed. Dexter Fontenot*, Edward Bush, and Jeff Beasley, Louisiana State University, LSU AgCenter, 137 J.C. Miller Hall, Baton Rouge, LA 70803 (EBush@agcenter.lsu.edu)

Glyphosate drift toxicity on woody ornamental plants. Danille Mack*, Edward Bush and Jim Griffin, Louisiana State University, LSU AgCenter, 137 J.C. Miller Hall, Baton Rouge, LA 70803 (EBush@agcenter.lsu.edu)

Allelopathic Effects of the Cover Crop Sunnhemp (*Crotalaria juncea*) on Weed and Crop Seed Germination. Emillie R. M. Skinner1*, Juan Carlos Diaz-Pérez2, Sharad Phatak2, Harry H. Schomberg3, William K. Vencill4, 1111 Plant Sciences Bldg, Department of Horticulture, University of Georgia, Athens, GA 30602, 2Coastal Plain Experiment Station, Department of Horticulture, University of Georgia, Tifton, GA 31793-0748, 3United States Department of Agriculture, J. Phil Campbell, Sr. Natural Resource Conservation Research Center, Watkinsville, GA 30677, 44103 Plant Sciences Bldg, Department of Crop and Soil Science, University of Georgia, Athens, GA 30602 (mcchesne@uga.edu)

Extending peak harvest of primocane-fruiting blackberries under highh tunnel production. Christopher Vincent*, Heather Friedrich, M. Elena Garcia, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701 (civince@uark.edu)

**WARREN S. BARHAM Ph.D.**

**GRADUATE STUDENT**

**PAPER COMPETITION**

**Room:** Austin Ballroom I (Hotel, 2nd floor)

**Presiding:** Doug Bailey, President-Elect, Southern Region ASHS

**Abstracts:** To publish your abstract in *HortScience*, see instructions at end of program.

Submit on disk at meeting or email to Chair (dabailey@uga.edu)

**1:00 pm – 3:00 pm - Order of presentations determined by drawing at beginning of contest.**

**Effects of Balanced Pruning and Cluster Thinning on Vigor, Yield, Fruit Composition and Wine Phenolics of Vidal blanc Grapevines.** Patsy E. Wilson*, D. Archbold and S. K. Kurtural, Department of Horticulture, University of Kentucky Lexington, KY 40546-0091 (k.kurtural@uky.edu)

**Phytoremediation of contaminated aquifers using nursery crops.** Kathryn Fontenot*, and Edward Bush. Louisiana State University, LSU AgCenter, 137 J.C. Miller Hall, Baton Rouge, LA 70803 (EBush@agcenter.lsu.edu)

**Effect of elevated CO₂ and harvest schedule on photosynthetic efficiency and sensory quality of Allium fistulosum.** Amanda Broome and Ellen Peffley, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122 (amanda.broome@ttu.edu)

**Glycoalkaloid levels in S. microdontum and S. jamesii accessions: A consideration in parental selection in breeding for high antioxidant activity in potato.** M. Ndambe Nzaramba1*, John B. Bamberg2, and J. Creighton Miller, Jr.1, 1Department of Horticultural Sciences, Texas A&M University, College Station, TX, 77843-2133, 2U.S. Potato Genebank, Sturgeon Bay, WI 54235-9620 (mnzaramba@tamu.edu)

**Interference of Bacterial Cell-Cell Signaling by Citrus Flavonoids.** Amit Vikram1*, Palmy R. Jesudhasan2, G. K. Jayaprakasha1, Suresh D. Pillai2, Bhimanagouda S. Patil1, 1Vegetable and Fruit Improvement Center, Department of Horticultural Sciences, 2Department of Poultry Science, Texas A&M University, College Station, TX 77845. (avikram@ag.tamu.edu)

**Lemon Seed Extracts: Antioxidant Capacity and Inhibition of Breast Cancer Cells.** Jinhee Kim1, K. N. C Murthy, G. K. Jayaprakasha, Bhimanagouda S. Patil, Vegetable and Fruit Improvement Center, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77845. (jinpi@neo.tamu.edu)
HORTICULTURAL SCIENCE

EXTENSION SECTION

Room: City View Room 1 (Hotel, 4th floor)
Presiding: Kathryn Taylor
Abstracts: To publish your abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair (kctaylor@uga.edu)

8:00 am Design Your own Herbicide Equipment. Joseph Masabni*, Department of Horticulture, University of Kentucky, Princeton, KY 42445. (jmasabni@uky.edu)

8:15 am Private-Public Collaboration in Developing an Organic Vidalia Onion Industry. George Boyhan*, Ray Hicks, Reid Torrance, Mike Dollar, David Spaid, Randy Hill, & Relinda Walker. Department of Horticulture, University of Georgia, Southeast Georgia Extension Center, P.O. Box 8112, GSU, Statesboro, GA 30460 (gboyhan@uga.edu)

8:30 am AgrAbility: Techniques for Making Gardening Accessible. *Richard G. Snyder1 and Wayne Porter2. Mississippi State University 1Truck Crops Experiment Station, P.O. Box 231, Crystal Springs, MS 39059 (RickS@ra.msstate.edu) and 2Southeast Area Horticulture Agent, 410 Constitution Ave. 5th Floor, Meridian, MS 39301 (wporter@ext.msstate.edu)

8:45 am An Extension-based Viticulture Education Program for Oklahoma. Eric T. Stafne*, Brian Kahn, and Dale Maronek. 360 Ag Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078 (eric.t.stafne@okstate.edu)

9:00 am Working with Local Industry to Develop a Value-Added Product. Kathryn C. Taylor, Dept. of Horticulture, University of Georgia, Byron, GA 31088 (kctaylor@uga.edu)

9:15 am Extension Section, Business Meeting: Discussion for improved planning for 2009 meeting. Kathryn C. Taylor, Dept. of Horticulture, University of Georgia, Byron, GA 31088 (kctaylor@uga.edu)

HORTICULTURAL SCIENCE

EDUCATION SECTION

Room: City View Room 5 (Hotel, 4th floor)
Presiding: Amy Wright
Abstracts: To publish your abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair (awright@auburn.edu)

3:00 pm Contributions of Pre-collegiate and Collegiate Leadership Experiences to Leadership Development in Graduates. John C. Ricketts*. Agricultural Leadership, Education, and Communication, University of Georgia, 110 Four Towers, Athens, GA 30602 (jcr@uga.edu)

3:15 pm Crafting Pedagogies to Teach Adaptive Leadership and Learning. D.R. Mulvaney* and W.H. Shaw. College of Agriculture, Auburn University, Auburn, AL 36849 (mulvadr@auburn.edu)

3:30 pm Service Learning in Horticulture: What We’ve Learned. David Knauft1*, David Berle1, Anna Scott2, and Steve Oliver2. 1Horticulture Department, 2Mathematics and Science Education Department, University of Georgia. Athens, GA 30602 (dknaufft@uga.edu)

3:45 pm Pursing Victory with Honor: A Survey of Ethics and Sportsmanship in the Show Ring. Stanely E. Kelley and Marcy M. Beverly*. Agricultural and Industrial Sciences, Sam Houston State University, Huntsville, TX 77341 (agr_mmb@shsu.edu)

4:00 pm International Travel Preferences of Undergraduate and Graduate Horticulture Students. C.W. Robinson, L. Waters, Jr., A.N. Wright, and E. Harris*. Department of Horticulture, Auburn University, Auburn, AL 36849 (cwr0001@auburn.edu)

4:15 pm Incorporating Horticultural Training into an Undergraduate Sustainable Agriculture Curriculum. Tim Coolong*, Mark Williams, and Mark Keating. Department of Horticulture, University of Kentucky, Lexington, KY 40546-0091 (timcoolong@uky.edu)
Abstracts: To publish your abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair (bpennisi@uga.edu)

Set-Up: Sunday, 8:00 am –12:00 pm
Poster Viewing Sunday, 12:00 pm – Monday, 5:00 pm
Authors at poster: Sunday, 3:00 pm - 5:00 pm
Student competition: Sunday, 3:00 pm students at posters
Take-down: Monday, after Business Meeting and by 3:00-4:00 pm

“G” or “U” following the poster number indicates graduate and undergraduate poster, respectively, for the purpose of the National Cowpea Poster Competition. Undergraduate and Graduate students in the poster competition must be by their posters during the “Authors at Poster” time, Sunday at 3:00 pm.

Floriculture, Ornamentals and Turf

1G) Soil respiration and root growth of Sweetgum trees as affected by pavement type. Bhavana Viswanathan 1*, Astrid Volder 1, and Todd Watson 2. 1Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133, and 2 Department of Ecosystem Science and Management, Texas A&M University, College Station, TX 77843-2138 (a-volder@tamu.edu)

2) Production of Ginkgo biloba Callus for the Growing area of Nutraceuticals. *Marihelen Glass and Monica Haddix. North Carolina A&T State University, Greensboro, NC 27411. (glassm@ncat.edu)

3) Variation in Organic Matter and Macronutrient Availability in Landscape Soils Under Landscape Fabric. Derald A. Harp, David Colbert, and Hanan Gopfharth* Texas A&M University, 2600 S. Neal P.O. Box 3011, Commerce, TX 75429, (Derald_Harp@TAMU-Commerce.edu)

4) Effects of Varying Nitrogen Levels on Greenhouse Growth and Quality of Ornamental White Clover. Derald A. Harp and Steven Pulatie*, Texas A&M University, 2600 S. Neal P.O. Box 3011, Commerce, TX 75429, (Derald_Harp@TAMU-Commerce.edu)

5) In Vitro Factors Affecting Galax Seed Germination. Guochen Yang* and Zhongge (Cindy) Lu, Department of Natural Resources and Environmental Design, North Carolina A&T State University, Greensboro, NC 27411, (yangg@ncat.edu)

6) Can Salt Stress in Greenhouse Roses be Ameliorated by Supplemental Calcium Applications? Alma R. Solís-Pérez, A.R.* and Raul I. Cabrera. Dept. of Horticultural Sciences. Texas A&M University Research and Extension Center, 17360 Coit Rd., Dallas, TX 75252-6599. (r-cabrera@tamu.edu)

7) Evaluating the Landscape Performance of Miniature and Dwarf Crape Myrtle. (Lagerstroemia spp.) Cultivars for North Texas. Jennifer McCormick* and Raul I. Cabrera. Dept. of Horticultural Sciences. Texas A&M University Research and Extension Center, 17360 Coit Rd., Dallas, TX 75252-6599. (r-cabrera@tamu.edu)

8) Ornamental plant evaluation at the SFA Mast Arboretum -- two decades of trials and tribulations. Dawn Stover* and David Creech, SFA Mast Arboretum, PO Box 13000, Stephen F. Austin State University, Nacogdoches, TX 75962. (dparish@sfasu.edu)

9) Composted Cow Manure as a Substitute for Peat in Ornamental Plant Production. Gitta Shurberg, GCRC- Balm (UF-IFAS), 14625 CR 672, Wimauma, Fl 33598

10) Crape Myrtle Growth and Phenology in South Mississippi Christine Coker*, Patricia R. Knight, John M. Anderson, and Wayne McLaurin Mississippi State University, Coastal Research and Extension Center, 1815 Poppis Ferry Road, Biloxi, MS 39532 (ccoker@ra.msstate.edu)

11) Evaluation of Natural Fertilizers for Greenhouse Crop Production. W.B. Evans* and G. Bi1. P.O. Box 231, MAFES Truck Crops Branch, Crystal Springs, MS 39059-0231. (wbe@ra.msstate.edu)
12) Effect of irrigation frequency on root growth, stem water potential, and net photosynthesis of *Kalmia latifolia* L. Matthew F. Wilkin and Amy N. Wright*. Department of Horticulture, Auburn University, Auburn, AL 36849 (awright@auburn.edu)

13) Effect of pavement type on water relations and gas exchange of mature Sweetgum trees. Astrid Volder1* and Todd Watson 2, 1Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133, and 2Department of Ecosystem Science and Management, Texas A&M University, College Station, TX 77843-2138 (a-volder@tamu.edu)

14) Micropropagation and tissue culture of *Hydrangea macrophylla* for mutagenesis, ploidy manipulation, and possible transformation. Stephen P. Greer1*, Sandra Reed2, Jeff Adkins3, and Timothy Rinehart1, 1USDA-ARS, Southern Horticultural Laboratory, 810 Highway 26 West, Poplarville, MS 39470, 2USDA-ARS, National Arboretum, 472 Cadillac Lane, McMinnville, TN 37110, 3Department of Plant Sciences, Woodward Hall, Alumni Avenue, University of Rhode Island, Kingston RI 02881. (stephen.greer@ars.usda.gov).

**Fruit Crops**

15G) Aerial Root Development on Winegrape Cultivars Following a Spring Freeze. J. Andrew Puckette*, Eric T. Stafne, and Becky L. Carroll, 360, Agricultural Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078 (eric.t.stafne@okstate.edu)

16) Digital Image Analysis of Pecans. Eric T. Stafne1*, Douglas Karcher2, Becky L. Carroll1, and J. Andrew. Puckette1, 1Agricultural Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078, 2316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701 (eric.t.stafne@okstate.edu)

17) Response of three southern highbush blueberry cultivars to CPPU. D. Scott NeSmith, Dept. of Horticulture, Univ. of Georgia, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223

18) Weed control in Blackberries using Ground Covers. D. J. Makus, USDA-ARS, Weslaco, TX 78596

19) Harpin Protein Use to Improve Early Season Fruit Size of ‘Queencrest’ Peach Robert T. Boozer* and James A. Pitts, 120 County Road 756, Auburn University Chilton Research and Extension Center, Clanton, AL 35045, (boozert@auburn.edu)

20) Effects of cultivar and location on muscadine antioxidant content and fruit quality. F.M. Woods1*, E. Coneva1, L. Howard2, W.A. Dozier1, Jr., J.E. Burkett3 and J. Pitts4, 1101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849, 2650 N. Young Ave Department of Food Science, University of Arkansas, Fayetteville, AR 72704, 3 Alabama Agriculture Experiment Station, 4725 County Rd. 40, Shorter, AL 36075, 4Alabama Agriculture Experiment Station, 120 County Rd. 756, Clanton, AL 35045. (woodsfm@acesag.auburn.edu)

21) Extending peak harvest of primocane-fruiting blackberries under hightunnel production. Christopher Vincent*, Heather Friedrich, M. Elena Garcia, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (civince@uark.edu)

22) Viruses Affecting Blackberries in Alabama. Elina Coneva1*, J. Murphy2, B. Boozer3, G. Gray3, J. Miles3, W. East3, and L. Chapman3, 1Department of Horticulture, Auburn University, Auburn, AL 36849-5408, 2Department of Entomology and Plant Pathology, Auburn University, Auburn, AL 36849-5413, 3ACES, Auburn University, 120 County Road 756, Clanton, AL 35045. (edc0001@auburn.edu)

**Vegetable Crops**

23G) Allelopathic Effects of the Cover Crop Sunnhemp (*Crotalaria juncea*) on Weed and Crop Seed Germination. Emillie R. M. Skinner1*, Juan Carlos Diaz-Pérez2, Sharad Phatak2, Harry H. Schomberg3, William K. Vencill4, 111 Plant Sciences Bldg, Department of Horticulture, University of Georgia, Athens, GA 30602, 2Coastal Plain Experiment Station, Department of Horticulture, University of Georgia, Tifton, GA 31793-0748, 3United States Department of Agriculture, J. Phil Campbell, Sr. Natural Resource Conservation Research Center, Watkinsville, GA 30677, 44103 Plant Sciences Bldg, Department of Crop and Soil Science, University of Georgia, Athens, GA 30602. (mcchesne@uga.edu)
24) Effects of Position in the Crop Canopy on Eggplant Fruit Quality. Brian A. Kahn*1 and Mark E. Payton2, Departments of 1Horticulture and Landscape Architecture and 2Statistics, Oklahoma State University, Stillwater, OK 74078. (brian.kahn@okstate.edu)

25) Use of Paper Mulches for Weed Control In Summer Squash. Timothy Coolong. Department of Horticulture, University of Kentucky, Lexington, KY 40546-0091

26) Control of Mildew in Winter Squash . A.H. Beany1, K. Pernezny2, P. J. Stoffella1, N. Havranek2, and J. Sanchez2. 1University of Florida, IFAS, Indian River Research and Education Center, 2199 South Rock Road, Fort Pierce, Florida 34945-3138, USA. 2University of Florida, IFAS, Everglades Research and Education Center, 3200 East Palm Beach Road, Belle Glade, Florida 33430-4702, USA.

27) Bite-Sized Tomatoes: Cultivars and Quality for a Farm-to-School Lunch Program. Warren Roberts*1, Penny Perkins-Veazie2, Jim Shrefler1, and Merritt Taylor1. 1Oklahoma State University and 2USDA/ARS, 911 Highway 3, Lane, Oklahoma 74555 (wroberts@lane-ag.org)

28) Cantaloupe Types and Cultivars Grown with Organic and Synthetic Fertilizers. Warren Roberts*1, Benny Bruton2, Wayne Fish1, and Merritt Taylor1. 1Oklahoma State University and 2USDA/ARS, 911 Highway 3, Lane, Oklahoma 74555 (wroberts@lane-ag.org)

29) Effect of elevated CO₂ and harvest schedule on biomass of three Allium species and sensory quality of A. fistulosum. Amanda Broome and Ellen Peffley, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122. (amanda.broome@ttu.edu)

30) Sensory and Quality Assessment of Grazing Standing Corn versus Commercially Feed-lot Finished Beef. Husniye Imamoglu1*, Patti. C. Coggins1, James M. Martin2, Glover B. Triplett3, Garrison Sensory Evaluation, Department of Food Science, Nutrition and Health Promotion, Mississippi State University, Starkville, MS 39762, 2Animal and Dairy Science Department, Mississippi State University, Starkville, MS 39762, 3Department of Plant and Soil Sciences, Mississippi State University, Starkville, MS 39762. (hi6@msstate.edu)

31) Combined effects of Storage Time and Temperature on Sensory Characteristics of Plain Yogurt. Shweta Kumari1*, Patti. C. Coggins1, Julie C. Wilson1, Dennis Rowe2, Garrison Sensory Evaluation, Department of Food Science, Nutrition and Health Promotion, Mississippi State University, Starkville, MS 39762, 2Department of Plant and Soil Sciences, Mississippi State University, Starkville, MS 39762. (sk359@msstate.edu)
HORTICULTURAL SCIENCE

8:45 am  Grafting methods for watermelon transplants. Richard L. Hassell. Clemson University CREC, 2700 Savannah Highway Charleston, SC 29414 (rhassel@clemson.edu)

9:00 am  Sowing Date, Transplanting Date, Plant Population, and Variety Effect on Transplanted Short-Day Onion Production. George E. Boyhan*, Reid L. Torrance, Jeff Cook, Cliff Riner, and C. Randell Hill. Department of Horticulture, University of Georgia, East Georgia Extension Center, P.O. Box 8112, GSU, Statesboro, GA 30460 (gboyhan@uga.edu)

9:15 am - Break

9:30 am  Iris Yellow Spot Virus and the undiagnosed onion disease problem in Texas. Juan R. Anciso, Department of Horticulture, Texas Cooperative Extension, 2401 East Highway 83, Weslaco, Texas 78596. (j-anciso@tamu.edu).

9:45 am  Pumpkin Quality and Yield in the Southeast. Annette L. Wszelaki1*, Jonathan R. Schultheis2 and W. Terry Kelley3, 1Department of Plant Sciences, University of Tennessee, 2Ellington Plant Sciences Bldg, 2431 Joe Johnson Dr., Knoxville, TN 37996, 3Department of Horticultural Science, 264 Kilgore Hall, Box 7609, North Carolina State University, Raleigh, NC 27695-7609, 3University of Georgia, Department of Horticulture, 4604 Research Way, P.O.Box 748, Tifton, GA 31793 (awszelak@utk.edu).

10:00 am  Spinach Planting Density and Effects on Weed Control, Crop Injury and Yield. Russell W. Wallace*, Alisa K. Petty and Aaron L. Phillips. Texas A&M Research & Extension Center, 1102 East FM 1294, Lubbock, TX 79403. (rwwallace@ag.tamu.edu)

10:15 am  Efficacy studies for Racer (ammonium nonanoate) a potential new postemergence herbicide for use in organic production. Lynn Brandenberger1*, James Shreffer2, and Charles Webber III3. 1Department of Horticulture, Oklahoma State University, 360 Ag Hall, Stillwater, OK 74078, 2Oklahoma Cooperative Ext. Serv., Wes Watkins Research & Ext. Cntr. Box 128, Lane, OK 74555-0128, 3ARS Wes Watkins Research & Ext. Cntr. Box 128, Lane, OK 74555. (lynn.brandenberger@okstate.edu)

10:30 am - Break to attend SR-ASHS Business Meeting at 11:00-12:30 Dallas Ballroom A2 – Conference Center

HORTICULTURAL SCIENCE

Afternoon Session

1:00 pm  Summer cover crop performance in the Gulf States. W.B. Evans1* and C. Motsenbocker2. 1P.O. Box 231, MAFES Truck Crops Branch, Crystal Springs, MS 39059, and 2137 Julian Miller Hall, LSU AgCenter, Baton Rouge, LA USA 70803. (wbe@ra.msstate.edu)

1:15 pm  Corn Starch as a Soil Amendment: Deal or no Deal? Eric Simonne*, Bob Hochmuth, and Aparna Gazula, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690. (esimonne@ufl.edu)

1:30 pm  Application uniformity and shape of the wetted zone response to drip irrigation system operating pressure. Aparna Gazula*, Eric Simonne, and Bob Hochmuth, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690. (virgoinc@ufl.edu)

1:45 pm  Greenhouse Production of Grafted Tomato Transplants. Xin Zhao1*, Eric H. Simonne1, Jeremy D. Edwards2, and J. W. Scott2, Department of Horticultural Sciences, P.O. Box 110690, University of Florida, Gainesville, FL 32611. 2Gulf Coast Research and Education Center, University of Florida, Wimauma, FL 33598. (zxin@ufl.edu)

FRUIT CROPS SECTION

Room: City View Room 7 (Hotel, 4th floor)
Presiding: Steve Stringer
Abstracts: To publish your abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair (sjstringer@ars.usda.gov)

Morning Session

8:00 am  Fall Yield Characteristics of Primocane Fruiting Blackberries from the University of Arkansas Breeding Program Grown in Kentucky. Jeremiah D. Lowe1*, Kirk W. Pomper1, Sheri B. Crabtree1, John R. Clark2, and John G. Strang3. 1Atwood Research Facility, Land Grant Program, Kentucky State University, Frankfort, KY 40601. 2Fruit Culture & Breeding, 316 Plant Science Bldg. University of Arkansas, Fayetteville, AR 72701. 3Department of Horticulture, N-318 Agricultural Sciences North, University of Kentucky, Lexington, KY 40546. (jeremy.lowe@kysu.edu)
Morning Session

8:00 am  Fall Yield Characteristics of Primocane Fruiting Blackberries from the University of Arkansas Breeding Program Grown in Kentucky. Jeremiah D. Lowe1, Kirk W. Pomper1, Sheri B. Crabtree1, John R. Clark2, and John G. Strang3. 1Atwood Research Facility, Land Grant Program, Kentucky State University, Frankfort, KY 40601. 2Fruit Culture & Breeding, 316 Plant Science Bldg. University of Arkansas, Fayetteville, AR 72701. 3Department of Horticulture, N-318 Agricultural Sciences North, University of Kentucky, Lexington, KY 40546. (jeremy.lowe@kysu.edu)

8:15 am  Nantahala' red raspberry. Jim Ballington*, Gina Fernandez and Susan Bryson, North Carolina State University, Raleigh, NC (jim_ballington@ncsu.edu)

8:30 am  The potential for extending the harvest season of organic brambles in the upper mid-south using high tunnels. Curt Rom*, Heather Friedrich, Jason McAfee, Hyun-Sung Choi, M. Elena Garcia, Donn Johnson and Jennie Popp (crom@uark.edu)

8:45 am  Establishment of an organic apple orchard in the upper mid-south. Curt Rom*, Jason, McAfee, H. Friedrich, H. Choi, M. Elena Garcia, Donn Johnson, and Jennie Popp. (crom@uark.edu)

9:00 am  Evaluation of Southern Highbush and Rabbitsy Blueberries in Kentucky. Joseph Masabni* and John Strang, Department of Horticulture, University of Kentucky, Princeton, KY 42445. (jmasabni@uky.edu)

9:15 am - Break

9:30 am  An analysis of two decades of production and climate data at Mill Creek Blueberry Farm, Nacogdoches, TX. David Creech1, and Henry Sunda2. Department of Agriculture, P. O. Box 13000, Stephen F. Austin State University, Nacogdoches, TX 75962. 1Mill Creek Blueberry Farm, Rt. 1, Box 3170, Douglass, TX 75943 (dcreech@sfasu.edu).

9:45 am  Images of and reflections on the developing blueberry industry in China. David Creech, Department of Agriculture, P.O. Box 13000, Stephen F. Austin State University, Nacogdoches, TX 75962. (dcreech@sfasu.edu)

10:00 am  First year results with high tunnel strawberry production in the piedmont of North Carolina. Jim Ballington* and Kerry Olive, North Carolina State University, Raleigh, and Andy Myers and JoAnne Maury, Piedmont Research Station, Salsbury, N.C. (jim_ballington@ncsu.edu)

10:15 am  ‘Galletta’ strawberry. Jim Ballington*, Kerry Olive and Susan Bryson, North Carolina State University, Raleigh

10:30 am - Break to attend SR-ASHS Business Meeting at 11:00-12:30 Dallas Ballroom A2 – Conference Center

Afternoon Session

1:00 pm  Influence of Rootstock and Fruit Thinning on Fruit Quality and Yield of ‘Jupiter’, ‘Mars’, ‘Marquis’, and ‘Neptune’ Grapes. Kenda R. Woodburn1, M. Elena Garcia1, and R. K. Striegler 2. 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2Institute for Continental Climate Viticulture and Enology, 108 Eckles Hall, 1406 East Rollins St., University of Missouri-Columbia, Columbia, MO 65211-5140. (woodburn@uark.edu)

1:15 pm  Influence of rootstock on gas exchange of field grown merlot grapevines. Mike Krawitzky*, Thayne Montague, and Ed Hellman, Texas A&M University Experiment Station, Lubbock, TX 79403-6603 (thayne.montague@ttu.edu)

1:30 pm  Performance of Muscadine Grape Cultivars in Alabama. Elina D. Coneva1*, F. Woods1, B. Wilkins1, J. Sibley1, W. A. Dozier1 Jr., and J. Burkett2. 1Department of Horticulture, Auburn University, Auburn, AL 36849-5408, 2ACES, 4725 County Rd. 40, Shorter, AL 36075. (edc0001@auburn.edu)

1:45 pm  Performance of New Peach Rootstocks in South Carolina. Gregory L. Reighard*, David R. Ouellette, and Kathy H. Brock. Department of Horticulture, Clemson University, Clemson, SC 29634-0319. (grghrd@clemson.edu)

2:00 pm  Impact of Tree Girdling on Crop Load of ‘Sunprince’ Peach After Late Frost Event. Kathryn C. Taylor, Dept. of Horticulture, University of Georgia, Byron, GA 31088 (kctaylor@uga.edu)

2:15 pm - Break
2:30 pm  Weighted Linear Index Model for Vineyard Site Suitability Using Geographic Information Systems. S. Kaan Kurtural* and Imed E. Dami. University of Kentucky, Lexington, KY

2:45 pm  Daytime and nighttime temperature interactions on regulation of flowering in olives. Nasir, S.A. Malik, Jim Brockington, and Joe M. Bradford, USDA-ARS Weslaco, TX 78596. (Nasir.Malik@ARS.USDA.GOV)

3:00 pm  Cultivar, Rootstock, and Training Method Influence flower Bud Production in PawPaw. Kirk W. Pomper1*, Sheri B. Crabtree1, Jeremiah D. Lowe1, and Desmond R. Layne2. 1Land Grant Program, Atwood Research Facility, Kentucky State University, Frankfort, KY 40601. 2Dept. of Horticulture, Clemson Univ., Clemson, SC 29634 (kirk.pomper@kysu.edu)

3:15 pm  Phenology and scab [Fusicladosporium effusum (G. Winter) Partridge & Morgan-Jones] disease expression vary by seed origin within a pecan [Carya illinoinensis (Wangenh.) K. Koch] seedling orchard. L. J. Grauke. USDA-ARS Pecan Breeding & Genetics, 10200 FM 50, Somerville, TX 77879. (ljg@titan.sfasu.edu)

3:30 pm  Expressions of Leaf Blight Symptoms Vary Among Provenances of Taxodium distichum (L.) L.C. Richard. G.V. McDonald*1, G. Denny2, A. King1, D. Bryan1, M.A. Arnold1, and D.L. Creech3, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133, 2Gulf Coast Research and Education Center, University of Florida IFAS, 14625 C.R. 672, Wimauma, FL. 33598, 3Agriculture Department, Stephen F. Austin State University, SFA Station, P.O. 13000, Nacogdoches, TX 75962. (g-mcdonald@tamu.edu)

8:15 am  Effect of Provenance on Salinity Tolerance of Taxodium. Geoffrey C. Denny*1 and Michael A. Arnold2, IFAS Gulf Coast REC, Environmental Horticulture Department, University of Florida, Wimauma, FL 33598, 2Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (gcdenny@ufl.edu)

8:30 am  Continuing Studies of Salinity Tolerance in Taxodium and Strategies for Asexual Propagation of Superior Clones. Lijing Zhou* and David Creech, SFA Mast Arboretum, PO Box 13000, Stephen F. Austin State University, Nacogdoches, TX 75962. (zhoul@titan.sfasu.edu)

8:45 am  Salinity Tolerance of Three Rose Rootstocks. Genhua Niu* and Denise Rodriguez, Department of Horticultural Sciences, Texas A&M University, El Paso, TX 79927. (gniu@ag.tamu.edu)

9:00 am  Integrated Crop Management in Woody Ornamentals. Javier Garces, Skinner Nurseries, 13000 SR 11, Bunnell, FL 32110. (jgarces@skinnernurseries.com)

9:15 am - Break

9:30 am  Screening Native and Ornamental Plants for Nutrient Abatement in Retention Ponds. Yan Chen* and Regina Bracy, Hammond Research Station, LSU AgCenter, 21549 Old Covington Highway, Hammond, LA 70403. (ychen@agcenter.lsu.edu)

9:45 am  Long-term Benefits of Dairy Manure Compost to Urban Landscape Performance. Sloan, John1*, Raul Cabrera1, Cynthia McKenney2, and Wayne Mackay3, Texas A&M University, TAES-Dallas, 17360 Coit Rd., Dallas, TX 75252, 2Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122, 3University of Florida, Mid-Florida Research and Education Center, 2725 S. Binion Rd., Apopka, FL 32703. (j-sloan@tamu.edu)

10:00 am  Differences in Seasonal Landscape Performance of Liriope and Ophiopogons. Catherine Broussard, Edward Bush*, Allen Owings, and Marieanne Hollay, LSU AgCenter, School of Plant, Environmental and Soil Sciences, Baton Rouge, LA 70803. (EBush@agcenter.lsu.edu)
10:15 am  Amending Recycled Hardwood Products for Acid Loving Plants. Edward Bush*, Allen Owings and Kiki Fontenot, LSU AgCenter, 137 J.C. Miller Hall, Baton Rouge, LA 70803. (EBush@agcenter.lsu.edu).

10:30 am - Break to attend SR-ASHS Business Meeting at 11:00-12:30
Dallas Ballroom A2 – Conference Center

Afternoon Session

1:00 pm  Nutrient Applications to Reverse Whitening of Ivy Geraniums. Ritu Dhir* and Richard L. Harkess. Dept. Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762. (rharkess@pss.msstate.edu)

1:15 pm  Yield and Quality Effects of Colored Plastic Mulch on Four Field-Grown Cut Flowers. Kathryn Crowley and J. Raymond Kessler, Jr.*, Department of Horticulture, 101 Funchess Hall, Auburn University, AL 36849. (kessljr@auburn.edu)

1:30 pm  Cajanus cajan as a Potential Ornamental for the Southern U.S. Cynthia McKenney1*, Sue Metz2, and Jennifer McCormick2, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122, 2Texas A&M University, TAES – Dallas, 17360 Coit Rd., Dallas, TX 75252, 3University of Florida, Mid-Florida Research and Education Center, 2725 S. Binion Rd., Apopka, FL 32703, 4Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (cynthia.mckenney@ttu.edu)

1:45 pm  Canna Cultivar Observations in 2007 Landscape Trials. Allen D. Owings* and Yan Chen, LSU AgCenter, Hammond Research Station, 21549 Old Covington Highway, Hammond, LA 70403. (aowings@agctr.lsu.edu)

2:00 pm - Break

2:15 pm  Petunias - Summary of Recent Landscape Performance Observations. Allen D. Owings, LSU AgCenter, Hammond Research Station, 21549 Old Covington Highway, Hammond, LA 70403. (aowings@agctr.lsu.edu)

2:30 pm  Caladium Height Control Using Plant Growth Regulators. Brian W. Trader* and Mengmeng Gu, Department of Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762. (BTrader@pss.msstate.edu)

2:45 pm  Increased Shoot Production in Caladium with Plant Growth Regulators. Brian W. Trader* and Mengmeng Gu, Department of Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 39762. (BTrader@pss.msstate.edu)

3:00 pm  Preliminary Evaluation of Open-Cell Foam for Extensive Green Roof Systems in Texas. Derald A. Harp1*, Raul I. Cabrera2, Wayne A. Mackay3, John J. Sloan4, and Michael A. Arnold4, Texas A&M University – Commerce, 2600 S. Neal P.O. Box 3011, Commerce, TX 75429, 2Texas A&M University, TAES-Dallas, 17360 Coit Rd., Dallas, TX 75252, 3University of Florida, Mid-Florida Research and Education Center, 2725 S. Binion Rd., Apopka, FL 32703, 4Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (Derald_Harp@tamu-commerce.edu)

POST HARVEST/PLANT BIOTECHNOLOGY SECTION

Room: City View Room 5 (Hotel, 4th floor)
Presiding: Niels Maness

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

8:00 am  Antioxidant Properties of Oklahoma Grapes. Eric T. Stafne,1* Sandra K. Peterson,2 and Edralin A. Lucas2, 1360 Agricultural Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078, 2422 HES, Department of Nutritional Sciences, Oklahoma State University, Stillwater, OK 74078. (eric.t.stafne@okstate.edu)

8:15 am  Postharvest sterilization of feverfew (Tanacetum parthenium) leaves using heat, chlorine dioxide or ethylene gas. N.K. Damayanthi Ranwala* and J. W. Rushing, Clemson University Coastal Research and Education Center, 2700 Savannah Highway, Charleston, SC 29414. (nranw@clemson.edu)

8:30 am  Chemical profiling of basil varieties (Ocimum basilicum) grown in Oklahoma. Elif Kalkan*, Niels O. Maness and Donna Chrz, Department of Horticulture and Landscape Architecture, 360 Agricultural Hall, Oklahoma State University, Stillwater, OK 74078. (niels.maness@okstate.edu)

8:45 am  Mother nature’s packaging and organization of carotenoids in watermelon and cantaloupe. Wayne W. Fish*, South Central Agricultural Research Laboratory, USDA-ARS, Lane, OK 74555. (wfish-usda@lane-ag.org)
HORTICULTURAL SCIENCE

9:00 am  Lycopene accumulation in watermelon. Angela Davis1*, Penelope Perkins-Veazie1, Charles Webber III1, and Stephen King2, 1USDA, ARS, Lane, OK 74555, 2Texas A&M University, College Station, TX, 77843. (adavis-usda@lane-ag.org)

9:15 am - Break

9:30 am  A correlation of internal and external ripening indicators in 'Vanessa' personal size watermelon. E.L. Vinson, III1*, P. Perkins-Veazie2, F.M. Woods1, A. Davis2, J.M. Kemble1, W.G. Foshee1 and J.E. Burkett1. 1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, 2USDA-ARS, SCARL 911 East Highway 3, Lane, OK 74555, 3Alabama Agriculture Experiment Station, 4725 County Rd. 40, Shorter, AL 36075. (vinsoed@auburn.edu)

9:45 am  Effect of maturity at harvest on lycopene content and antioxidant activity in 'Vanessa' personal size watermelon. F.M. Woods1*, E.L. Vinson, III1, P. Perkins-Veazie2, A. Davis2, J.M. Kemble1, W.G. Foshee1 and J.E. Burkett1. 1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, 2USDA-ARS, SCARL 911 East Highway 3, Lane, OK 74555, 3Alabama Agriculture Experiment Station, 4725 County Rd. 40, Shorter, AL 36075. (woodsfm@auburn.edu)

10:00 am  Effect of high tunnel and shade cloth on carotenoid content and antioxidant activity in selected bell pepper cultivars. F.M. Woods1*, E.L. Vinson, III1, W.G. Foshee, III1, J.M. Kemble1, W.G. Sherrer1, and J.E. Burkett1. 1101 Funchess Hall, Department of Horticulture, Auburn University, AL 36849, 2USDA-ARS, SCARL 911 East Highway 3, Lane, OK 74555, 3Alabama Agriculture Experiment Station, 4725 County Rd. 40, Shorter, AL 36075. (woodsfm@auburn.edu)

10:15 am  Warm vs. cool production temperature affects on harvested orange-fleshed honey dew fruit antioxidants, minerals, sugars, and vitamin contents. G.E Lester1* and D.M. Hodges2, 1Agricultural Research Service, USDA, Weslaco, TX, and Agriculture and 2Agri-Food Canada, Kentville, Nova Scotia (GeneLester@ARS.USDA.GOV)

Instructions for Submission of Abstracts for Publication in HortScience

To Publish Your Abstract in HortScience:
1) One of the authors must be an active member (dues paid) of the Southern Region ASHS
2) The abstract must be submitted as a document file in the proper format.

3) The abstract must be submitted to the Chair of the session by the deadline.

Submission of Abstract

File Format: Each abstract must be submitted as a separate Word (.doc) file. If you use another word processing language, submit abstract in rich text format (.rtf).

Deadline:
1) At meeting: Give disk with file to the Chair of the session.
2) Email abstracts as an attached file to the Chair of the session within a few days after the meeting. See the Section Program for the Chair's email address.

Abstract Format

Length: Limit the abstract body to about 2000 characters.

Font: 12 point, Times New Roman or similar

Format: Format abstract as shown in following example. Asterisk denotes presenting author.

Example Format

Molecular Marker-Derived Genetic Similarity Analysis of a Segregating Blackberry Population
Eric T. Stafne1*, John R. Clark1, and Kim S. Lewers2 1316 Plant Sciences, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2USDA-ARS Fruit Lab, 10300 Baltimore Ave., BARC-West Bldg. 010A, Beltsville, MD 20705

A tetraploid blackberry population that segregates for two important morphological traits, thornlessness and primocane fruiting, was tested with molecular marker analysis. Both randomly amplified polymorphic DNA (RAPD) and simple sequence repeat (SSR) markers were used to screen a population of 98 genotypes within the population plus the two parents, 'Arapaho' and 'Prime-Jim® (APF-12). RAPD analysis averaged 3.4 markers per primer, whereas SSR analysis yielded 3.0 markers per primer pair. Similarity coefficient derived from the Dice index averaged over all individuals was 63% for RAPD markers, 73% for SSR markers, and 66% for both. Comparison of the parents indicated a similarity of 67% for RAPD markers, 62% for SSR markers, and 67% for both. This is similar to a previous study that reported the similarity coefficient at 66%. Although inbreeding exists within the population, the level of heterozygosity is high. Also, evidence of tetrasomic inheritance was uncovered within the molecular marker analysis. This population will be used to identify potential markers linked to both morphological traits of interest. Further genetic linkage analysis and mapping is needed to identify any putative markers.
Sunday afternoon: February 3, 2008

12:00-4:00 Registration
(City View Room 8, Hotel 4th Floor)

1:00-1:10 Welcome – Chris Clark, SDAPS President (City View Room 8, Hotel 4th Floor)

SYMPOSIUM: Extension and Research in the 21st Century – Modern Approaches to New Challenges - Kenny Seebold presiding
(City View Room 8, Hotel 4th Floor))

1:10-1:35 " Nucleic-Acid Based Pathogen Detection in Applied Plant Pathology: Some Applications and Considerations." Paul Vincelli, Extension Professor, Plant Pathology Department, University of Kentucky, Lexington, KY 40546.

1:35-2:00 "Cooperative Efforts Between Extension and Research Counterparts Regarding Pathological Issues of Commercial Vegetables in Georgia." David Langston, Associate Professor and Extension Specialist, Department of Plant Pathology, The University of Georgia, Tifton, GA 31793.

2:00-2:25 "The use of basic and applied research to meet producer needs: managing existing and emerging fungicide resistance in Monilinia fructicola." Guido Schnabel, Associate Professor, Dept. of Entomology, Soils, and Plant Sciences, Clemson University, Clemson, SC 29634.

2:25-2:50 "Remote Sensing for Disease Measurement." Karl Steddom, Assistant Professor and Extension Specialist, Department of Plant Pathology, Texas A&M University, Overton, TX 75684.

2:50-3:00 Discussion

3:00-3:15 Break

Student presentations, Part I
Craig Rothrock, SDAPS Past-President, presiding
(City View Room 8, Hotel 4th Floor)


3:30-3:45 Root development and water use efficiency of hard red winter wheat infected with Wheat streak mosaic virus. J.A. PRICE and C.M. Rush. Texas Agricultural Experiment Station, Amarillo TX 97106.

3:45-4:00 Molecular and biological properties of a putative partitivirus from jalapeno pepper (Capsicum annuum). D.L. GUTIERREZ, R.A. Valverde, Dept. of Plant Pathology and Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.

4:00-4:15 Fungicide resistance and host specificity of Pseudoperonospora cubensis, causal agent of cucurbit downy mildew. S.J. COLUCCI and G.J. Holmes, Department of Plant Pathology, North Carolina State University, Raleigh, NC 27695.


4:30-4:45 Determination of the optimal temperature for infection of creeping bentgrass roots by Pythium volutum. J.P. KERNS and L.P. Tredway, Dept. of Plant Pathology, NCSU, Raleigh, NC 27695.
PLANT PATHOLOGY

4:45-5:00 Novel SNP markers reveal haplotype diversity in field populations of Phytophthora capsici and interspecific hybrids of P. capsici and P. tropicalis. R.S. DONAHOO and Kurt Lamour, University of Tennessee, Knoxville, TN.

5:30-6:30 SDAPS Executive Committee Meeting (City View Room 3, Hotel 4th Floor))

3:30-5:00 SAAS Opening and General Session (Dallas Ballroom A3, Conference Center)

5:00–10:00 SAAS Reception & Super Bowl Party (Dallas Ballroom B/C, Conference Center)

Monday, February 4, 2008

8:00-11:30 Registration (City View Room 8, Hotel 4th Floor)

8:00 Announcements – Chris Clark, SDAPS President (City View Room 8, Hotel 4th Floor)

Student presentations, Part II
Craig Rothrock, SDAPS Past-President, presiding (City View Room 8, Hotel 4th floor)

8:00-8:15 Distribution and stability of a new race of Phytophthora nicotianae, the causal agent of black shank of tobacco, in NC. C.A. GALLUP (1), K.L. Ivors (1), and H.D. Shew (1), (1) Plant Pathology, NC State University, Raleigh NC 27695.

8:15-8:30 Role of microbial communities on the occurrence of peanut soil- borne pathogens among different cropping sequences. H. SUDINI, K. Bowen, R. Huettel, Dept. of Entomology and Plant Pathology, Auburn University, AL 36849.

8:30-8:45 Relationships between preharvest conditions and increased susceptibility of sweetpotatoes to Rhizopus soft rot and bacterial soft rot in Louisiana and North Carolina. B.A. EDMUNDS (1), C.A. Clark (2), and G.J. Holmes (1), D.M. Ferrin (2), (1) North Carolina State University, Department of Plant Pathology; (2) LSU AgCenter, Department of Plant Pathology and Crop Physiology.

8:45-9:00 Isolation of Xylella fastidiosa from seven grape varieties in a Texas vineyard. C.P. TORRES and D. N. Appel, Dept. of Plant Pathology & Microbiology, Texas A&M University, College Station, TX 77843.

9:00-9:15 “Going against the grain,” maize 13-lipoxygenase mutants are more resistant to Aspergillus flavus and Colletotrichum graminicola. S.A. CHRISTENSEN and M.V. Kolomiets, Dept. of Plant Pathology and Microbiology, Texas A&M University, College Station, TX 77843.

9:15-9:30 Two closely related lipoxygenase genes have distinct roles in the regulation of mycotoxin and conidia production by Aspergillus flavus in maize seed. Y.S. PARK and M.V. Kolomiets, Dept. of Plant Pathology and Microbiology, Texas A&M University, College Station, TX 77843.

9:30-9:45 Break

Contributed papers – David Langston, presiding (City View Room 8, Hotel 4th Floor)

9:45-10:00 Assessment of pyraclostrobin in production of corn, soybeans, and cotton in Georgia. R.C. KEMERAIT, Sanders, H., Clark, J., Duffie, W., Ethredge, J., Lee, G., and Parker, W, The University of Georgia, Tifton, GA 31793.

10:00-10:15 STAMINA™, A new strobilurin seed treatment fungicide that increases tolerance to low temperature stress. M.C. PAGANI, H.L. Ypema, J.S. Barnes, C. Lindholm, BASF Corp., Research Triangle Park, NC 27709.

10:15-10:30 Do foliar applications of fungicides benefit corn production in the Mid- South? G.B. PADGETT (1), D. Lanclos (2), M.A. Purvis (1), and C.A. Hollier (3), (1) Macon Ridge Res. Station, LSU AgCenter, Winnnsboro, LA 71295; (2) Dean Lee Res. Station, LSU AgCenter, Alexandria, LA 71302; (3) Dept. of Plant Pathology and Crop Physiology, Louisiana State University, Baton Rouge, LA 70803.
PLANT PATHOLOGY


10:45-11:00 Effect of the surfactant Affinity™ on the delivery of a biological nematicide, Paecilomyces lilacinus, into the soil profile. J.E. McGehee and K.L. ONG, Department of Plant Pathology and Microbiology, Texas A&M University, TX.


11:15-11:30 Isolates of Fusarium spp. are a potential hazard to dogwood production systems. L. SANTAMARIA and M.T. Mmbaga, Tennessee State University, Otis Floyd Nursery Res. Center, McMinnville, TN 37110.

11:30-11:45 Distribution of Iris yellow spot virus in Georgia. C. NISCHWITZ, R. Gitaitis and S.W. Mullis, University of Georgia, Coastal Plain Experiment Station, Dept. of Plant Pathology, Tifton, GA 31794.

11:45 Lunch (on your own)

12:00-1:00 Graduate Student Luncheon (Majestic Boardroom 9, Hotel 37th Floor), by invitation only

Contributed papers – Bob Kemerait, presiding (City View Room 8, Hotel 4th Floor)

1:15-1:30 The influence of brown rust (Puccinia melanocephala) on sugarcane yield. C.A. HOLLIER and J.W. Hoy, Dept. of Plant Pathology and Crop Physiology, LSU AgCenter, Baton Rouge, LA.


1:45-2:00 Comparative epidemiology of Pierce’s disease in grape varieties in Texas. D.N. APPEL, C.P. Torres, Dept. of Plant Pathology and Microbiology, Texas A&M University, College Station, TX 77845.

2:00-2:15 Persistence of Phytophthora blight in the Texas High Plains. R.D. FRENCH-MONAR (1) and T. Isakeit (2), (1)Dept. of Plant Path. & Microbiol, Texas A&M AREC, Amarillo, TX 79106, (2)Dept. of Plant Path. & Microbiol., Texas A&M University, College Station, TX 77843.


2:30-2:45 Infection of sesame seed by Alternaria tenuissima. J.E. WOODWARD (1), C. Nu (1), R.J. Wright (1), and B.M. Pryor (2), (1) Dept. of Plant & Soil Science, Texas Tech University, Lubbock, TX 79409; (2) Dept of Plant Sciences, University of Arizona, Tucson, AZ 85721.

2:45-3:00 Infection of two Ipomoea spp. by Sclerotinia minor. M.A. BATLA (1), J.E. Woodward, P.A. Dotray (1), and T.A. Baughman (2), (1) Dept. of Plant & Soil Science, Texas Tech University, Lubbock, TX 79409; (2) Dept. of Soil & Crop Sciences, Texas A&M University, Vernon, TX 76384.

4:00-5:00 SDAPS Business Meeting, Chris Clark, SDAPS President, presiding (City View Room 8, Hotel 4th Floor)

6:00-9:00 SDAPS Social (cash bar) and Southern Division deBary Bowl (Press Club, Hotel 2nd Floor)
2008 RCAS Winter Meeting  
February 3-5, 2008  
Adam’s Mark Hotel  
Dallas, Texas  

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**Sunday Afternoon February 3, 2008**  
Austin Ballroom 3, Hotel 2nd floor  

12:30 Registration  
1:30 Executive Board Meeting (Hotel, 2nd floor)  
3:00 Adjourn  

3:30 SAAS General Session Dallas Ballroom A3  
5:00 SAAS Reception Dallas Ballroom B/C  

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**Monday Morning February 4, 2008**  
Remington Room, Hotel 4th floor  

7:30 Registration  
8:00 Poster Presentation “Historical Perspectives of the Development of Experiment Station Systems”. Mike Phillips, Agronomy Department Head Morehead State University Morehead, KY.  
8:30 Load Bus for Tour  
9:00 Depart for McCommas Bluff Solid Waste Facility.  
11:30 Depart for TAMU Research and Extension Center Dallas for lunch.  

**Monday Afternoon February 4, 2008 Tour**  

1:30 Depart for Frito Lay Facility.  
4:00 Depart for Adam’s Mark Hotel.  
6:30 Depart for Fogo de Chao Brazilian Restaurant for Banquet and Award Presentations.  
9:30 Depart for Hotel.  

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**Tuesday Morning February 5, 2008**  
Remington Room, Hotel 4th floor  

8:00 Introductions RCAS President Mike Phillips  
8:15 “Welcome and Overview of Texas Agriculture Experiment Station System”. Director Mark A. Hussey and or Deputy Director William A. Dugas, Texas Agriculture Experiment Station.  
8:45 “The Feedlot Industry and Confined Animal Operations in Texas”. John Sweeten, Texas Agriculture Research and Extension Center Amarillo, TX.  
9:10 “Range Operations in Texas”. Bill Holloway and or Wayne Hanselka, Agriculture Research and Extension Center Uvalde, TX.  

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**Tuesday Afternoon February 5, 2008**  
Remington Room, Hotel 4th floor  

2:00 Workshop: “Federal Excess Property Acquisition and Inventory”. Bill Peterson, Director Management Operations University of Kentucky Lexington, KY. and Craig Thompson, Utah Agriculture Research and Extension Center Kaysville, UT.  
3:00 “Visit Utah in Summer July 27 - 30”. Ray Cartee, Utah Agriculture Experiment Station Logan, UT.  
3:15 Business Meeting  
4:15 Adjourn
Nonprofits in the Service of Communities: Experiences from the Field.
Organizers:
LaDelle Kay, The Greater Longview United Way, Inc.
Terrence Thomas, North Carolina A&T State University
Participants:
Rosalind P. Harris, University of Kentucky
Branden Johnson, Special Health Resources for Texas
LaDelle Kay, Greater Longview United Way, Inc
Doris Ramaly, Longview Interfaith Hospitality Network
Terrence Thomas, North Carolina A&T State University
Dreamal Worthen, Florida A&M University

11:00 A.M. – 12:15 P.M.
PAPER SESSION
Dallas Ball Room D3– Conf Center

Community Health Issues

Moderator:
James Bukenya, Alabama A&M University

Relationships of Conspiracy Beliefs About HIV/AIDS to Socio-demographic Variables Among HIV-Positive African Americans
Andrew A. Zekeri, Tuskegee University
Tsegaye Habtemariam, Tuskegee University
Berhanu Tameru, Tuskegee University
David Ngawa
V. Robnett

Dietary, Physical Activity and Socioeconomic Determinants of Weight Outcomes in U.S. Youth
Kofi Adu-Nyako, North Carolina A&T State Univ
Jeremiah Richie, Iowa State University

Exploring the Relationship Between Obesity and Physical Inactivity in Rural North Carolina
Marcus Bernard, North Carolina A&T State University

Factors Contributing to Hospital Choice Patterns in Rural Mississippi: A Study of Neshoba and Newton Counties
Brooklyn J. Anderson, Mississippi State University Extension Service

12:15 P.M. – 1:30 P.M. - Lunch (on your own)

1:30 P.M. – 3:00 P.M.
PAPER SESSION
Dallas Ball Room D2 – Conf Center
RURAL SOCIOLOGICAL

Rural Agricultural Issues

Moderator:
Kenrett Jefferson-Moore, North Carolina A&T State University

The Impact of Rising Energy Prices and Potential Input Substitution in Cotton Production: Implications for the Southeastern U.S.
Victor Ofori-Badu, North Carolina A&T State University
Osei Agyeman Yeboah, North Carolina A&T State University

Trends and Structure of Value-Chains and Value-Added Agriculture in Alabama
Danyelle M. Starks, Alabama A&M University
James Bukenya, Alabama A&M University

What is the Knowledge Level and Attitude of Tennessee Consumers Towards Biotechnology?
Fisseha Tegegne, Tennessee State University
Enefiok Ekanem, Tennessee State University
Ahmad Aziz, Tennessee State University
Surendra Singh, Tennessee State University

Barriers to the Adoption of Organic Agriculture by Conventional Producers in Texas
Michael H Lau, Sam Houston State University
Douglas H Constance, Sam Houston State University
Roger D Hanagriff, Sam Houston State University

The Influence of Type of Contact with Extension on Client Satisfaction
Sebastian Galindo-Gonzalez, University of Florida
Glen D. Israel, University of Florida

PAPER SESSION
Dallas Ball Room D3 – Conf Center

Rural Energy Development

Moderator:
Andrew A. Zekeri, Tuskegee University

Water Issues Related to Biomass Production in “Optimal” Production Zones
Brooklyn Anderson, Mississippi State University

Energy Production and Quality of Life: A Tale of Two Counties
Gene L. Theodori, Sam Houston State University

An Economic Analysis of Farmers Ability to Produce Ethanol Based Crops in the State of North Carolina
Darius Hale, North Carolina A&T State University
Donald McDowell, North Carolina A&T State University

Cellulosic Ethanol: Enabling Black Belt Farmers to Benefit from the Demand for a Supply of Clean Domestically Produced Energy
Harwood Schaffer, University of Tennessee

MONDAY FEBRUARY 4

8:00 A.M. – 3:00 P.M.
REGISTRATION
Grand Hall First Floor Conference Center

8:15 A.M. – 9:30 A.M.
PAPER SESSION
Dallas Ball Room D2 – Conf Center

Rural Education

Moderator:
Rosalind Harris, Kentucky State University

Student Leadership Behavior in Colleges of Agriculture and Life Sciences: Accessing Leadership Behaviors and Experiences of Undergraduate Students
Bryan Patterson, University of Florida
Glen D. Israel, University of Florida

The Preparation of Future Secondary Agriculture Education Teachers to Work with Students with Learning Disabilities
Paula E. Faulkner, North Carolina A&T State University
Connie D. Baggett, Pennsylvania State University
The Nonmetro Achievement Gap in Mathematics: Median and Quantile Regression Analysis on Two National Probability Samples of High School Seniors
Edward B. Reeves, Morehead State University
Jesse Lowe, University of Oregon

Community Effect of Kindergarten to Fifth Grade Math Achievement
Glen D. Israel University of Florida

9:30 A.M. – 9:45 A.M.
BREAK
Grand Hall First Floor Conference Center

9:45 A.M. – 11:00 A.M.
PAPER SESSION
Dallas Ball Room D2 – Conf Center

Globalization, the Rural Consumer and Change

Moderator:
Anna Kleiner, South Eastern Louisiana University

Gap and Globalization
Sameena Khan, Sam Houston State University
Ben Robertson, Sam Houston State University

Community-based Social Marketing: A New Approach to Fostering Adoption of Sustainable Lifestyles
Patricia Grace, Virginia Tech College of Agriculture and Life Sciences
Eric Kaufman, Virginia Tech College of Agriculture and Life Sciences

Rural Consumer Culture, Democratization and the Global New South: A Case Study of Wal-Mart in the Alabama Black Belt
Joan Weston, Ohio University

How Far From the Tree Does the Apple Fall? Conceptualizing “Local” in a Florida Farmers Market
Allison E Lutz, Oklahoma State University
Damian C Adams, Oklahoma State University

PAPER SESSION
Dallas Ball Room D3 – Conf Center

Rural Sociological
Alternative Enterprises, Agricultural Prosperity and Limited Resource Farmers

Moderator:
Kim Bradford, Natural Resources Conservation Service

Limited Resource Farmers' Perceptions Towards Alternative Enterprises in Southeastern North Carolina
Kenrett Y. Jefferson-Moore, North Carolina A&T State University
Jannety M. Mosley, North Carolina A&T State University
Robert Monroe, North Carolina A&T State University

Predictors of Interest in and Practice of Organic Agriculture in Texas
Douglas H. Constance, Sam Houston State University
Jin Young Choi, Sam Houston State University

Where Furrows Run Deep: The Long-term Strength and Resiliency of Freedmen’s Settlements in Central East Texas
Jeffery Roth, Austin State University
J.B. Watson Jr., Austin State University

11:30 A.M. – 1:00 P.M.
LUNCHEON
Press Club (Adam’s Mark, 2nd floor)

1:15 P.M. – 1:45 P.M.
POSTER SESSION
First Floor Conference Center

The relationship Between Perceived Barriers to Health Care and Self-rated Health in the Black Belt Region of the United States
Benjamin Gray, North Carolina A&T State University
Terrence Thomas, North Carolina A&T State University
Marcus Bernard, North Carolina A&T State University

Meth and the Rural South: Down Home Cooking
Sean Cash, Sam Houston State University

"Good Ol' Boy" Networks and Justice in Rural Texas
Travis Miller, Sam Houston State University

Socialization and Education in Native America and Rural America
Trina Thornton, Sam Houston State University

Pushing the Earth
Catherine Yeu, Sam Houston State University
RURAL SOCIOLOGICAL

Loss of Community in a Small Town
Nicole Miller, Sam Houston State University

Government Intervention in Sex Education
Jenni Northen, Sam Houston State University

A Genogram Presentation: Mi Familia, My Family
Elizabeth Davila, Sam Houston State University

High School Students’ Perception and Level of Familiarity with the Cooperative Extension Service, Experiment Stations and 4H
Marcus M Comer, Chastity Warren-English, North Carolina A&T State University and Michael Harmon, Trinity High School

Differences in the Opinions and Attitudes of Undergraduate Agriculture Majors toward Agroterrorism
Tanya Delancy, Sammy Comer, and Enefiok Ekanem, Tennessee State University

Marna R. Weston, University of Florida

Keeping Up with Good Agricultural Practices: The Case of Limited Resources Audiences
Mary Mafuyai-Ekanem, Brandi White, Monique McAlister, and Keith R. Baldwin, North Carolina A&T State University
Sandra Strayhorn, USDA-RMA, Raleigh Regional Office

1:45 P.M. – 3:30 P.M.
PAPER SESSION
Dallas Ball Room D2 – Conf Center

Rural Quality of Life

Moderator:
Godfrey Ejimakor, North Carolina A&T State University

Community Action and Economic Development in the Gulf Counties of Alabama after Hurricane Katrina
Andrew Zekeri, Tuskegee University

Cohabitation in Rural Families
Mary Ann Davis, Sam Houston State University

RURAL SOCIOLOGICAL

Gendered Analysis of Community Satisfaction and Attachment on Perceived Individual Well-being in Rural Texas
Sameena Khan, Sam Houston State University

Insights into Housing Affordability for Low-income Rural Families
Jessica Kropczynski, University of Kentucky
Patricia Hyer Dyk, University of Kentucky

A Regional Assessment of Threats and Opportunities in Southern Illinois
Courtney G. Flint, University of Illinois

PAPER SESSION
Dallas Ball Room D3 – Conf Center

Community Organization and Social Change

Moderator:
Dreamal Worthen, Florida A&M University

Building Organizational Capacity in the Context of Disaster: A Study of Community-based Nonprofit Service Providers in Louisiana and Mississippi
Anna Kleiner, Southeastern Louisiana University
John Green, Delta State University
Katie Kerstetter, Delta State University
JoLynn Montgomery, University of Michigan School of Public Health

Sense of Community and the Extent of Community Action
Ben Robertson, Sam Houston State University
Yolanda Lopez, Sam Houston State University

Establishing a Black Belt Community Action and Studies Association
Rosalind Harris, University of Kentucky

Investigating Collaborative Partnerships Among Community Action Agencies in the Southeast
Terrence Thomas, North Carolina A &T State University
Victor Ofori-Boadu, North Carolina A &T State University
Edward Fosu, North Carolina A &T State University

Developing Community-based Leadership Collaboratives
Patricia Hyjer Dyk, University of Kentucky
TUESDAY, FEBRUARY 5

8 A.M.—9:30 A.M.
REGISTRATION
Grand Hall First Floor Conference Center

8:30 A.M. — 10:15 A.M.
PAPER SESSION
Dallas Ball Room D3 – Conf Center

Innovations in Small Farm Agriculture

Moderator:
Donald McDowell, North Carolina A&T State University

The Green Industry in North Carolina
Godfrey Ejimakor, North Carolina A&T State University
Harry Sutton, North Carolina A&T State University

From Local Tree Species to Rural Sustainable Economic Development: Mesquite Bioenergy Research Possibilities in South Texas
Yeong Nain Chi, University of Texas at Brownsville

Countervailing Power, Monsanto and the Tillamook Dairy Cooperation
Thomas W. Gray, USDA Rural Development Cooperative Programs

Economic Feasibility of Organic Vegetable Production on Small Farms in Alabama
Staci Huddleston, Alabama A&M
Joseph Befecadu, Alabama A&M
Hezekiah Jones, Alabama A&M

10:15 A.M.—10:30 AM
BREAK

10:30 A.M.—12 P.M.
SRSA EXECUTIVE COUNCIL MEETING
Dallas Ball Room D3 – Conf Center

ABSTRACTS
(Arranged by day/time)

SUNDAY, FEBRUARY 3
9:45 A.M. – 10:45 A.M.
PANEL DISCUSSION
Dallas Ball Room D3 – Conf Center

“Nonprofits in the Service of Communities: Experiences from the Field.”
Organizers:
LaDelle Kay, The Greater Longview United Way, Inc.
Terrence Thomas, North Carolina A&T State University

Participants:
Rosalind P. Harris, University of Kentucky
Branden Johnson, Special Health Resources for Texas
LaDelle Kay, Greater Longview United Way, Inc
Doris Ramaly, Longview Interfaith Hospitality Network
Terrence Thomas, North Carolina A&T State University
Dreamal Worthen, Florida A&M University

This session creates a space for community-based organizations to share their experiences in addressing community problems, and to facilitate dialogue between scholars and community leaders for exploring and exchanging ideas pertaining to:

1. Challenges faced by community people, community-based organizations and scholars in addressing the needs of communities
2. Challenges faced by communities in forging genuine partnerships with scholars
3. The extent to which the experience of community-based organizations should inform the work of scholars?
Community Health Issues

**Moderator:**
James Bukenya, Alabama A&M University

**Relationships of Conspiracy Beliefs About HIV/AIDS to Socio-demographic Variables Among HIV-Positive African Americans**
Andrew A. Zekeri, Tuskegee University
Tsegaye Habtemariam, Tuskegee University
Berhanu Tameru, Tuskegee University
David Ngawa, Tuskegee University
V. Robnett, Tuskegee University

Despite prior research showing that a significant proportion of African Americans hold conspiracy beliefs about HIV/AIDS, no research has investigated conspiracy beliefs among African Americans that are HIV-positive and the subgroups most likely to endorse such beliefs. We examined endorsement of conspiracies about HIV/AIDS among HIV-positive African Americans and the relationships of their sociodemographic characteristics to HIV/AIDS conspiracy beliefs. We conducted a self-administered survey with a sample of 205 HIV-positive African Americans patients in Alabama’s Black Belt Counties. Study participants reported their agreement with some statements about beliefs in HIV/AIDS conspiracies. Sociodemographic variables in the analysis included gender, educational attainment, and age. Bivariate analyses indicated that more than one-third (36.6%) somewhat or strongly agreed that “people who take the new medicines for HIV are human guinea pigs for the government,” 28.9% somewhat or strongly endorsed that “the medicine that doctors prescribe to treat HIV is poison.” 52.7% strongly endorse that “HIV is a manmade virus,” 43.1% strongly agreed that “AIDS was produced in the government’s laboratory,” and 56.1% somewhat or strongly agreed that “there is a cure for AIDS, but it being withheld from the poor.” Multivariate analyses indicated that stronger HIV/AIDS beliefs were significantly associated with educational attainment and age. The set of sociodemographic variables explained a small amount of the variance in conspiracy beliefs about HIV/AIDS ($R^2$ range=0.13-0.14). Findings suggest that conspiracy beliefs may be a barrier to HIV/AIDS prevention efforts in African American communities and health service use.

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**Dietary, Physical Activity and Socioeconomic Determinants of Weight Outcomes in U.S. Youth**
Kofi Adu-Nyako, North Carolina A&T State Univ
Jeremiah Richie, Iowa State University

The objective of this study was to identify the influences of dietary, physical activity, and socioeconomic factors on youth obesity. An individual’s weight outcome is a function of the interaction between energy consumed and energy expended. Energy consumed depends on the individual’s dietary patterns, and energy expended depends on the individual’s activity patterns. Energy balance can also be mitigated by biological factors stemming from gender, age, and ethnicity. Results for the combined data found gender to be a significant predictor of weight status; being male increased the probability that an individual would fall into a high weight category. Increased income was found to increase the probability that a male would fall into a high weight category. Younger males were found to be at a higher probability for falling into high weight categories. Results from this study found ethnicity to be a significant predictor of weight outcomes in females. More specifically, being black or Hispanic increased the probability of females being in high weight categories. Physical inactivity was a significant predictor of weight outcomes in females. High levels of sedentary activities increase the likelihood that a female will be in high weight categories. Food assistance participation was found to be a significant determinant of weight outcomes in females. Having a family member participating in food assistance programs lowered the probability of a female falling into high weight outcome categories. Calorie intake and fat intakes were not significant in predicting weight outcomes in either gender.

**Exploring the Relationship Between Obesity and Physical Inactivity in Rural North Carolina**
Marcus Bernard, North Carolina A&T State University

Obesity and physical inactivity are common in the U.S, but few studies have examined the issue within the context of rural populations. Lower-income and rural residents are less likely to meet physical activity guidelines and one reason may be barrier differences in rural versus urban areas. Rural residents in general and rural minorities in particular may present a higher risk profile than the general public, and obesity may have a different correlation with rural than urban areas (Parks, Housemann, and Brownson 2003). The paper makes use of the 2005 North Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey results to study obesity and physical inactivity within rural populations of the state. A logistic regression model is developed with the dependent variable, obese measured as categorical variable such that if a person...
reports that he is obese, and the variable takes the value “1” otherwise “0”. The primary independent variable is combination of residence (rural/urban) and race/ethnicity. Other independent variables include age, gender, education, income, limitations in activities, and smoking status. Preliminary results show that rural adults have less formal education, are poorer, and are more likely to report having fair or poor health status than are their urban peers. Obesity was more prevalent among rural than urban adults and a slightly larger proportion of rural adults were more physically inactive than their urban peers.

Factors Contributing to Hospital Choice Patterns in Rural Mississippi: A Study of Neshoba and Newton Counties
Brooklyn J. Anderson, Mississippi State University Extension Service

Rural health care has long presented opportunities and challenges to rural populations, health care providers, administrators, policy makers, and academics. One such challenge involves understanding the health facility use patterns of rural citizens. Identifying these patterns can help decision-makers formulate planning and development strategies that will most effectively and efficiently meet the needs of the local population. This paper looks specifically at hospital choice patterns among survey respondents in Neshoba and Newton Counties in East Mississippi. Spatial and statistical analyses are employed in order to determine socio-demographic as well as attitudinal factors influencing hospital use decisions. This study uses a variety of analytical tools and techniques, to include descriptive statistics, exploratory factor analysis, and geographic information systems (GIS).

1:30 P.M. – 3:00 P.M.
PAPER SESSION
Dallas Ball Room D2 – Conf Center

Rural Agricultural Issues

Moderator:
Kenrett Jefferson-Moore, North Carolina A&T State University

The Impact of Rising Energy Prices and Potential Input Substitution in Cotton Production: Implications for the Southeastern U.S.
Victor Ofori-Badu, North Carolina A&T State University
Osei Agyeman Yeboah, North Carolina A&T State University

Cotton consumption and production in the US has been experiencing a down turn since 1995. This is in part due to severe competition from cheap supplies from other countries and the fierce competition face by the US textile industry from countries that are endowed with cheap labor resulting in the closure of several textile mills. In addition, the competition has led to massive offshore movement of many textile producing firms to enable them stay profitable. These events have severe economic implications for Southeastern US where Cotton supports more than 180,000 jobs and generates close to $20 billion in business revenue. It is envisage that, this situation would worsen as textiles mills continue to shutdown in response to high energy costs and cotton production becomes less attractive as per unit cost of production increases with the increase in energy prices. This study uses a translog cost function to estimate energy substitution in cotton production in southeastern US. The model shows how the economy will adjust to rising energy prices and the degree of substitution between energy, fertilizer, capital, and labor to determine output and factor price changes. The present estimates show that cotton farmers will substitute labor for energy input but fertilizer is a complement. The findings from this study present an idea of the potential to substitute other inputs for energy. This is useful in policy making and also for farm management decisions by cotton farmers, especially small cotton farmers who are most vulnerable.

Trends and Structure of Value-Chains and Value-Added Agriculture in Alabama
Danyelle M. Starks, Alabama A&M University
James Bukenya, Alabama A&M University

As farmers struggle to find ways to increase farm income, interest in “adding value” to raw agricultural products has grown tremendously over the years. Value-added food-processing and industrial value-added manufacturing are the two dominant categories of agricultural value-added commodity processing. By
focusing on Alabama, this paper discusses the role of the value-chains beginning to shape the contemporary structure of agriculture in the state. The paper presents information about the contribution of value added production to the state’s economy at the global, regional and country levels, as well as information about trends in productivity since the 1950s. The results give a reasonable indication of the importance of value added production at the state and regional levels and highlight how emerging changes in value-chains and value-added agriculture might affect rural development strategy in coming years. Finally, the main differences in the structure of the value added industry between different products are highlighted.

What is the Knowledge Level and Attitude of Tennessee Consumers Towards Biotechnology?
Fisseha Tegegne, Tennessee State University
Enefiok Ekanem, Tennessee State University
Ahmad Aziz, Tennessee State University
Surendra Singh, Tennessee State University

Biotechnology applications cover various areas including agriculture. There are proponents and opponents regarding the benefits and risks associated with the technology. This paper assesses knowledge level of Tennessee consumers and their attitude towards biotechnology using data collected from residents in selected urban areas of Middle and West Tennessee counties. A private market research firm was hired to collect the data via telephone survey using an instrument developed by researchers. Questions covered by the survey include the benefits and potential risks of biotechnology, putting biotechnology information on food labels, willingness to pay more for non-biotech products as well as socio-economic characteristics of the respondents. Three hundred usable responses were received. Preliminary results show that the consumers surveyed had somewhat limited knowledge about biotechnology. Attitude towards its usefulness differed among different groups with younger, more educated and high income respondents being more favorably disposed towards the technology than older and less educated ones. Although most of the respondents indicated that they have less confidence in the government ensuring the safety of biotechnology food products, they strongly support that biotechnology information should be mandatory on all food labels. A large number of respondents also expressed their willingness to pay more for food products that are certified as non-biotech or GMO-free. This reflects the concern that people have about safety of the food they consume.

Barriers to the Adoption of Organic Agriculture by Conventional Producers in Texas
Michael H Lau, Sam Houston State University
Douglas H Constance, Sam Houston State University
Roger D Hanagriff, Sam Houston State University

The production and consumption of organic food and fiber products has increased steadily over the past few decades. Domestic demand exceeds domestic supply. This paper investigates the barriers to the adoption of organic production practices by conventional farmers and ranchers in Texas that expressed an interest in organic agriculture. Both production and marketing barriers are investigated. A random sample of 977 producers was carried out using a Modified Dillman mail survey approach. The analysis indicates that the barriers vary by commodity group. Some policy recommendations are made based on the results of the analysis.

The Influence of Type of Contact with Extension on Client Satisfaction
Sebastian Galindo-Gonzalez, University of Florida
Glen D. Israel, University of Florida

The quality of the services provided by the Florida Cooperative Extension is measured using a customer satisfaction survey. Overall, customer satisfaction has been high. It is important, however, to determine if the quality of the clients’ experience is equally high across different contact modes. We explored whether the type of contact, namely, telephone call, office visit, or planned program, affects the quality of clients’ experience and whether these perceptions differ by gender using survey data from 2003 to 2006. No significant associations were evident between the type of contact and both the overall satisfaction with Extension and the accuracy of the information received. However, interactions were observed for gender on contact mode and satisfaction and accuracy. Significant associations also were found between contact mode and both the timely delivery and the relevancy of the information, whereby the mode affected male respondents satisfaction but not females. The opportunity to use the information and the number of contacts with Extension were also significantly associated with the type of contact. These relationships were significant for females but not for males. A comprehensive understanding of the effects that contact type has on the quality of the experience can be used to increase clients’ satisfaction and patronage.
Water Issues Related to Biomass Production in “Optimal” Production Zones
Brooklyn Anderson, Mississippi State University

With recent advances in alternative energy production, the biomass industry has received much attention in popular and academic literature. Our nation’s growing energy demands and efforts to minimize dependence on foreign oil have led to an increase in biomass production. This increase ushers in both advantages and disadvantages, from feasibility as well as sustainability standpoints. Because advantages and disadvantages vary between crop types, it is important to examine these differences.

This paper sets the stage by reviewing the issues and concerns involved with growing traditional row crops versus perennial (annual) crops, such as switchgrass, highlighting the relative advantages of perennials over traditional crops. The paper then shifts to a discussion of one of the major potential drawbacks associated with growth of perennial crops—water supply availability. It is likely that, as the trend toward perennial production progresses, conflicts will arise between various water uses in regions determined to provide “optimal” biomass production potential in terms of rent, yield prices, and production costs. Potential water-related conflicts are identified and recommendations for future research are proposed.

Energy Production and Quality of Life: A Tale of Two Counties
Gene L. Theodori, Sam Houston State University

Data collected in two counties in north central Texas – Johnson County and Wise County – were used to empirically explore issues associated with energy production and quality of life. The two counties are located in a natural gas-producing region commonly known as the Barnett Shale. The Barnett Shale region contains the largest unconventional natural gas reservoir in Texas and is one of the largest onshore fields in North America. The counties selected for in-depth study were purposely chosen to reflect differing levels of established energy development. Wise County was selected to represent a site with relatively mature development.
corn based ethanol, is expected to begin coming online by 2012. While corn yields in the Black Belt are below those of the corn-belt, the Black Belt, with its longer growing season, is well suited to the production of biomass that could be converted to ethanol and other valuable co-products in cellulose to ethanol plants. This paper identifies the social, economic, and agronomic issues that need to be researched in order to enable Black Belt farmers to grow the biofuel feedstock and organize cooperatives for the production of cellulosic ethanol and its co-products.

**MONDAY, FEBRUARY 4**

8:15 A.M. – 9:30 A.M.
**PAPER SESSION**
Dallas Ball Room D2 – Conf Center

**Rural Education**

**Moderator:**
Rosalind Harris, Kentucky State University

**Student Leadership Behavior in Colleges of Agriculture and Life Sciences: Accessing Leadership Behaviors and Experiences of Undergraduate Students**
Bryan Patterson, University of Florida
Glen D. Israel, University of Florida

Throughout the United States businesses and government organizations are finding it difficult to fill leadership positions because of a lack of trained leaders. It has been described as a leadership void. Industry leaders seek new employees who can lead quickly after they join an organization. College graduates who can exhibit leadership skills early and often as a new professional are likely to be hired and advance quickly in their career. Employers want and value competence in communication, adaptability, problem-identification and solving, self-management, teamwork and leadership skills. This paper identifies leadership behaviors and practices of undergraduate college students enrolled the College of Agricultural and Life Sciences (CALS) at the University of Florida. Survey data is used to describe CALS students in terms of their personal demographics, academic leadership development, student leadership experience and community leadership experience. This paper will examine how demographic variables are predictors of leadership behaviors of CALS students. It also examines gaps between CALS students’ leadership experiences and self-perceived leadership practice.

**The Preparation of Future Secondary Agriculture Education Teachers to Work with Students with Learning Disabilities**
Paula E. Faulkner, North Carolina A&T State University
Connie D. Baggett, Pennsylvania State University

Teacher education programs are faced with an increased number of students with learning disabilities enrolling in secondary agricultural education programs. Consequently, pre-service teachers have expressed a need for additional education to work with students with learning disabilities. The purpose of the study was to examine the preparation pre-service teachers report to receive in pre-service programs to work with students with learning disabilities in secondary agricultural education programs. A survey instrument was designed and mailed to recipients in fall 2006. A total of 69 completed surveys were returned for a response rate of 27.3%. Over half of the respondents completed one special education course and acquired skills for teaching students with learning disabilities during a field experience. The study also revealed that pre-service teachers, when based on gender and classification, reported being equally prepared in pre-service programs to teach instructional techniques, accommodations, and the federal legislative acts.

**The Nonmetro Achievement Gap in Mathematics: Median and Quantile Regression Analysis on Two National Probability Samples of High School Seniors**
Edward B. Reeves, Morehead State University
Jesse Lowe, University of Oregon

Sociologists have increasingly paid greater attention to the spatial dimension of social inequality (Lobao et al. 2007). This paper explores the spatial inequality of mathematics achievement in American high schools. Achievement in math is strongly linked to postsecondary educational success and therefore with adult status attainment. Roscigno and Crowley (2001) have developed and tested a spatial theory of educational inequality. Our study extends the test of this theory using NELS 1992 and ELS 2004 cohorts of high school seniors.

We examine the extent to which family resources, private school attendance, and student opportunity to learn account for geographic differences in mathematics achievement. Our analysis is unusual in that it employs median regression and quantile regression methods. We find that school-related factors are as important for understanding the nonmetro achievement gap as family socioeconomic status. Moreover, we show that much of the gap is explained by exposure to advanced mathematics classes in high school. This finding suggests that the nonmetro
Community Effect of Kindergarten to Fifth Grade Math Achievement
Glen D. Israel University of Florida

Previous studies have shown that communities are an important factor in mediating the effects of families and schools on students’ achievement in secondary schools. Community attributes such as organizational diversity, social inequality, economic and human resources, as well as location, can either support or inhibit educational processes. Using data from the Early Childhood Longitudinal Study (ECLS), I explore the effect of community factors using place-level data on the math achievement of younger students. Analyses of test scores show that children who attend a school in rural, nonmetro area are disadvantaged at entry into kindergarten and also have the lowest gains through fifth grade. Students who attended school in a community with a higher level of economic well-being, employment diversity, and average education also performed better on the standardized math test. These community effects remained present after controlling for school and family factors. The results are problematic for policy makers because community structures are not easily modified.

9:45 A.M. – 11:00 A.M. 
PAPER SESSION 
Dallas Ball Room D2 – Conf Center

Globalization, the Rural Consumer and Change

Moderator: 
Anna Kleiner, South Eastern Louisiana University

Gap and Globalization
Sameena Khan, Sam Houston State University
Ben Robertson, Sam Houston State University

In this paper we employ a social change and development conceptual framework to interpret the case of “Gap and Globalization” to inform discussions regarding the globalization of economy and society. This research focuses on Gap and its effect on labor markets. The research topic is timely and salient because companies like Gap, Inc. are dominant actors in the global clothing industry. The social change and development conceptual framework focuses on the process of globalization. For the purposes of this paper, globalization is operationalized as: (1) decentralization of production; (2) informalization of labor; and (3) global sourcing. Data were gathered through extensive Internet searches and analysis of Gap, Inc.’s website. The conclusion is that while Gap, Inc. claims to uphold its social responsibility in factories around the world, it continues to exploit its employees and the third world nations that house these independent factories for capitalistic gain.

Community-based Social Marketing: A New Approach to Fostering Adoption of Sustainable Lifestyles
Patricia Grace, Virginia Tech College of Agriculture and Life Sciences
Eric Kaufman, Virginia Tech College of Agriculture and Life Sciences

Sustainability” has become a concept applied to many aspects of our daily lives. Extension and community educators across the country are beginning to address issues of sustainability by educating the public on pertinent topics. However, numerous studies have documented that education alone often has little or no effect upon sustainable behavior. In addition to educating, our role often requires us to serve as “change agents.” Doug McKenzie-Mohr, an environmental psychologist, has developed a method he calls Community-Based Social Marketing (CBSM) which draws heavily on research in the social-psychological aspects of behavior change. It uses tools that have been identified as particularly effective in fostering change. This presentation will review the four step process of CBSM which includes conducting barrier and benefit research, developing programs to overcome barriers, pilot testing and program evaluation. We will also discuss other CBSM tools including prompts, commitments, community norms, and crafting vivid messages and images. A brief literature review will be provided.

Rural Consumer Culture, Democratization and the Global New South: A Case Study of Wal-Mart in the Alabama Black Belt
Joan Weston, Ohio University

The impact of Wal-Mart on local communities has quickly become an old topic often couched as a debate about the effects of globalization on local economies. This current incarnation of the Wal-Mart local-global debate focuses on the relationship between the reorganization of the consumer retail industry in the Alabama Black Belt and impact of democratic reforms in Sumter and Greene County, Alabama. The reorganization of the local consumer retail industry of small cities, townships and the rural communities surrounding these cities and townships has been at the heart of Wal-Mart’s expansionist policies. However, an examination of the relationship between democratization in the United States and the reorganization of the consumer retail industry has been largely absent from discussions of the social and economic.
RURAL SOCIOLOGICAL

economic impact of Wal-Mart and the processes of globalization. The reorganization of the consumer retail industry coupled with the democratic reforms of the 1950s and 60s created a set of social, economic, and political dynamics that make turning a profit difficult for consumer retail firms in the rural Black Belt, even for the large-scale global retailer Wal-Mart. Here, I argue that African Americans living in both Greene and Sumter counties received long-term political and short-term economic benefits from the reorganization of the local consumer retail industry that began in the mid-1960s. Thus, the loss that some African American residents mourned when the Wal-Mart Discount Store closed its doors can be interpreted as an emotional expression and a public recognition of the political, economic and psychological leverage that former tenant farmers acquired during the period in which Wal-Mart participated in the local consumer retail market.

How Far From the Tree Does the Apple Fall? Conceptualizing “Local” in a Florida Farmers Market
Allison E Lutz, Oklahoma State University

Many consumers seek out locally grown foods to enjoy fresher produce while supporting local farmers. Sociological and economic research has identified the ambiguous nature of the term ‘local’ but has not provided a concrete definition. In mid-2007, we conducted an intercept survey at a Florida farmers’ market to identify: 1) how farmers’ market shoppers geographically define ‘local’; 2) their level of commitment to purchasing local produce measured by a cost-availability matrix; and 3) their willingness to pay (WTP) for local produce. We found a great deal of variability in respondents’ perceptions of ‘local’ in the context of fresh produce. A small percentage of shoppers are highly committed purchasers of local produce, but most are opportunistic buyers with a slightly increased WTP for local produce. Results from this study imply that small farms and agro-food networks may benefit from using ‘local’ marketing schemes and engaging highly-committed buyers.

PAPER SESSION
Dallas Ball Room D3 – Conf Center

Alternative Enterprises, Agricultural Prosperity and Limited Resource Farmers

Moderator:
Kim Bradford, Natural Resources Conservation Service

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Limited Resource Farmers’ Perceptions Towards Alternative Enterprises in Southeastern North Carolina
Kenrett Y. Jefferson-Moore, North Carolina A&T State University
Jannety M. Mosley, North Carolina A&T State University
Robert Monroe, North Carolina A&T State University

The state of North Carolina has instituted a statewide initiative promoting programs and projects fostering entrepreneurship as a means of economic growth. However, there are various populations of farm businesses within the state that have not been reached. With portions of the region experiencing low socioeconomic statuses, there is a need to establish alternative enterprises in order to sustain businesses in rural communities.

The objective of this study is to assess the attitudes and behaviors of limited resource producers in southeastern North Carolina. Data were obtained through a non-probability sampling of alternative farmers in a four-county area using a 4-point Likert scale. Questions focused primarily on entrepreneurs’ willingness to take risks of alternative enterprises. Results showed that producers are willing to take on alternative enterprises with increased net farm benefits and are more willing to adopt enterprise that will not require more work and responsibility than they were currently undertaking.

Predictors of Interest in and Practice of Organic Agriculture in Texas
Douglas H. Constance, Sam Houston State University
Jin Young Choi, Sam Houston State University

The production and consumption of organic food and fiber products has increased steadily over the past few decades. Domestic demand exceeds domestic supply. This research investigates two topics. The first topic is the predictors of conventional farmers and ranchers in Texas being interested in organic agriculture. The second is the predictors of conventional farmers and ranchers in Texas adopting organic agriculture. A random sample of 977 producers was carried out using a Modified Dillman mail survey approach. Preliminary analyses indicate that several factors such as type of producer category, years farming, farms size, and selected market and production conditions contribute to both interest in and adoption of organics.

Where Furrows Run Deep: The Long-term Strength and Resiliency of Freedmen’s Settlements in Central East Texas
Jeffery Roth, Austin State University
J.B. Watson Jr., Austin State University
While the history of African-Americans in Texas has received increasing scholarly attention, the pivotal role of African-Americans in Texas rural life has been neglected. The history of African-Americans in rural regions of Texas is potentially being lost at an increasing rate, due to land retention issues, lack of preservation resources, and limited public awareness of the cultural value of historically African-American rural communities. This paper will detail the study of African-American freedmen communities in the Nacogdoches, Texas area, with a special focus on the Upshaw Community in western Nacogdoches County, a traditional agricultural community settled by freedmen from Tennessee sometime before 1900. Current residents, who trace their ancestry to the original founders of the community, sustain the Upshaw Community, also referred to as County Line, Texas. Following emancipation, many freed slaves in the United States believed that freedom was embodied in a place, and they formed thousands of all African-American rural communities across the Deep South, including eastern Texas. In Nacogdoches County, Texas, freedmen formed no fewer than thirteen of these communities, which exemplify the movement that took place in former slave-holding states. Many of these communities, known as freedmen settlements, freedom colonies, or freedom towns, still exist in some form. This paper will detail the role of freedmen communities in central east Texas, within the context of the general historical phenomenon of freedmen community settlements, and demonstrate how rural people formed an important element of national African-American heritage and triumph over oppression through successful rural agriculture and community-building practices.

1:15 P.M. – 1:45 P.M.
POSTER SESSION
First Floor Conference Center

The Relationship Between Perceived Barriers to Healthcare and Self-rated Health in the Black Belt Region of the United States.
Benjamin Gray, North Carolina A&T State University
Terrence Thomas, North Carolina A&T State University
Marcus Bernard, North Carolina A&T State University

The main purpose of the current investigation is to examine the extent to which health care barriers are uniquely associated with individual differences in self-rated health. Self-rated health can be easily assessed and is predictive of health care use and other health outcomes. In this sample of 817 residents of the eleven-state black belt region, the six healthcare barriers examined uniquely accounted for almost the same amount of variance in self-rated health and as did the demographic variables. In conclusion, healthcare barriers were just as important as age, race, gender, and education when accounting for explained variance in self-rated health. Future studies should consider intervening on health care barriers to improve self appraisals of health and subsequently improve health outcomes.

Meth and the Rural South: Down Home Cooking
Sean Cash, Sam Houston State University

Rural America has always held folklore and stories of rouges and moonshiners who fight authority but are portrayed in a Disney Robin Hood manner. Recently a new type of group has appeared that fights authority is meth dealers. This group is involved in the production and distribution of meth. These manufacturers set up labs in very isolated or remote areas and produce meth and distribute it into local communities or depending on the size and production capacity of the lab several communities. Meth has become a new cash crop in the rural south displacing agriculture and affecting the microscale economies of small communities. This drug is also imported from Mexico. Meth is popular in the rural areas because of the cost of production and the large cash benefits for persons who likely are very poor (Appalachia) and are losing money in agriculture. Another benefit of producing meth in rural areas is the relative simplicity of obtaining the chemical elements necessary for production than in urban areas. In the past age of moonshiners so called because it was stillled and created at night by the shine of the moon to hide from neighbors and authorities. Law enforcement has a difficult time controlling meth production because of: lack of funding, lack of training and methods of detection. Raiding a meth lab is very dangerous activity for several factors: volatility of the manufacturing process, dealers either rigging a self destruct feature or fighting the police.

"Good Ol' Boy" Networks and Justice in Rural Texas
Travis Miller, Sam Houston State University

The intent of this research is to investigate the social phenomenon popularly known as the "Good Ol' Boy" Network defined here as an informal relationship amongst members and affiliates of law enforcement, legislative and judicial bodies within the social ecosystem of a rural town or other collective entity. In particular, the "Good ol' Boy" Network shall be investigated in terms of inequality of justice towards the individual citizen caught up (legitimately or illegitimately as may be the case) within the legal and/or criminal justice system. This research is based on the hypothesis that such an entity as the "Good Ol' Boy" Network has existed and continues to exist in rural communities.
Texas despite the best efforts of legislators and policymakers and that the remoteness of a town/city and its population size are directly linked to the extent that a "Good Ol' Boy" network has proliferated within it. Specifically, I hypothesize that the smaller an individual town or city, the greater the influence of the "Good Ol' Boy" Network upon the various social happenings within it, including enforcement of legislation, criminal justice proceedings being bent against minorities or those individuals/classes/groups which do not fit in to said city and levels of power and discretion given to individuals operating in the power of the state (or perhaps more rightly said the "municipality").

Socialization and Education in Native America and Rural America
Trina Thornton, Sam Houston State University

Native Americans live in the equivalent of rural communities. Their communities are not given the same chances as are available in a large urban community. Schools in rural communities are restricted by the number of students which limits funding. The state government does not allocate extra money, other than the required funding given per student attending schools. Native American reservations are also geographically isolated restricting availability to resources such as libraries, computer servers and access to higher education. These are also limited due to the lack of funds. These facts mirror the lack of educational amenities in rural communities. While urban areas have access to city taxes and industrial or corporate funding rural and Native American reservations are disadvantaged by relying only on limited government funding. These communities are behind the national averages in access to public services. I include government data and statistics for rural and Native American reservations. These show the differences between metropolitan areas versus the rural areas with less monetary and educational means. I will use an example of a Native American child’s socialization and the limited education and occupational opportunities which are there available pathways for careers.

Pushing the Earth
Catherine Yeu, Sam Houston State University

Increasingly rural women are seeking employment options as sources of income. Military bases are traditionally in rural areas, where women have, in recent decades, held civilian jobs usually the only non farm option for employment. At the same time recruitment efforts by the military are targeting rural areas as sources for troops. Recruitment goals are driven by the war in Iraq, with a lower base of males enlisting.

The all voluntary military seeks rural recruits due to more traditional values supporting military enlistment. Now females, 15% of the current armed forces, are targeted. Those women who are enlisting in the traditionally male military have to try harder in order to be accepted by men. As a woman in the military my poster presentation will depict the added efforts and physical challenges that women face to gain acceptance in the military. The title of this poster presentation is taken from a photo of a female military recruit doing pushups, her face in the earth.

Loss of Community in a Small Town
Nicole Miller, Sam Houston State University

I am doing my poster presentation on the Loss of Community in a Small Town. My research will consist of life experiences within the town of Sealy, Texas and will involve a series of photographs and other media showcasing the decline not only of the physical state of the town but also of the feeling of "community" within Sealy as time has passed. My research will focus on the social drama behind the development (or lack thereof) of Sealy and its impact on the residents of Sealy. Special emphasis will be placed on the impact of the upcoming Trans-Texas corridor that is likely to cut straight through Sealy, possibly altering its physical and social landscape drastically.

Abstinence Based Sexual Education on Rural Communities in Texas
Jenni Northen, Sam Houston State University

My research will focus on the social impact that the debate of this issue has sparked in rural communities, particularly on divisions between religious and secular sectors of the rural community.

A Genogram Presentation: Mi Familia, My Family
Elizabeth Davila, Sam Houston State University

The genogram, which is a form of a family tree, represents primarily three generations on both my parents sides. It displays basic facts of those relatives I have included in my paper such as occupation, religion, nationality and ages. The chart helps reveals different behavioral patterns and traces relationships within my family, and the ten page paper elaborates on each topic shown on the genogram. Further explanations on issues such as religion, occupation, political beliefs and reasons for migration are displayed in the paper as well. Through the paper and poster, one can see major differences between my mother and my father’s culture,
and how many factors including environment as well as status affect the outcome of those here today.

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High School Students’ Perception and Level of Familiarity with the Cooperative Extension Service, Experiment Stations and 4H
Marcus M Comer, Chastity Warren-English, North Carolina A&T State University and Michael Harmon, Trinity High School

The purpose of this study was to determine high-school students’ perception and knowledge of the Cooperative Extension Service (CES), Experimental Stations and 4-H. The study measured students’ attitudes and level of familiarity with CES, Agricultural Experiment Station, and 4-H. Findings indicated that students were not familiar with the CES, Experiment Stations nor the programs and services they offer. They were however somewhat familiar with 4-H. Both CES and school administrators and teachers should take action to inform students about the role of CES, the experiment stations and 4H in producing food and fiber, managing natural resources and promoting vibrant rural communities. Failure to meet this challenge could lead to declining public support and funding for programs essential to maintaining a competitive food and fiber sector and viable rural communities.

Differences in the Opinions and Attitudes of Undergraduate Agriculture Majors toward Agroterrorism
Tanya Delancy, Sammy Comer, and Enefiok Ekanem, Tennessee State University

In recent years, there has been increased concerns about agroterrorism, not only in the United States, but in many countries in the world. This study explores the opinions and attitudes of undergraduate agriculture students towards agroterrorism. Survey data collected for the study are analyzed using the Statistical Package for the Social Sciences. Results will be used in providing insights into students’ understanding of agroterrorism.

Marna R. Weston, University of Florida

A direct need exists for program and policy planners to more effective address the decline of the Black farmer. Though fragmented efforts exist to assist in the re-emergence of minority farmers, the absence of a comprehensive and immediate mandate to rectify past inequalities, broken promises, and stealth assaults upon Black farmers threatens the survival of these farm households. The current consideration of Title V of H. R. 2419, The Food and Energy Security Act of 2007 (known colloquially as The 2007 Farm Bill), includes language for Congress to satisfy the 1999 Pigford Civil Rights Case Consent Decree Settlement. I explore the actions of Congress from July 2007 to date in implementing the settlement. Specifically, I examine the rhetorical strategies of Presidential candidate, Barak Obama, who on August 8, 2007 wrote a letter, to then Agriculture Secretary Mike Johanns. The letter expressed Obama’s concerns that Farm Service Agency (FSA) employees illegally used federal resources in sending emails to federal employees asking them to write their Representatives and Senators and encourage them to vote to deny compensation to Black farmers under the Pigford settlement. I conclude that Obama’s advocacy has increased his standing among Southern voters, even though partisan divisions in Congress have stalled the passage of H. R. 2419.

Keeping Up with Good Agricultural Practices: The Case of Limited Resources Audiences
Mary Mafuyai-Ekanem, Brandy White, Monique McAlister, and Keith R. Baldwin, North Carolina A&T State University
Sandra Strayhorn, USDA-RMA, Raleigh Regional Office

What you do not know may kill you, prevention is often better than cure. Consumers value proper handling of fresh produce. To meet this demand, producers are seeking certification to process fruits, vegetables, meats and dairy products on their farms. Good Agricultural Practices can reduce unnecessary risks, saving time and money.
RURAL QUALITY OF LIFE

Moderator:
Godfrey Ejimakor, North Carolina A&T State University

Community Action and Economic Development in the Gulf Counties of Alabama after Hurricane Katrina
Andrew Zekeri, Tuskegee University

The present and future economic viability of rural communities in the Gulf States of Alabama, Mississippi, and Louisiana affected by Hurricane Katrina is dependent on action from multiple stakeholders, ranging from Federal, state, and local government to diverse members of the communities themselves. The purpose of this paper is to identify and analyze economic development strategies that are being considered by local communities, state and federal agencies in recovery efforts after Hurricane Katrina, and to assess the extent to which the different stakeholders not only agree or disagree about approaches, but also understand each others' points of view. The research is needed to lay the groundwork for appropriate policies that facilitate effective long term local development efforts to meet the region's needs. Such policies are crucial given that many communities in the region are homes to persistent poverty, poor employment, unemployment, limited education, poor health and welfare dependency. The residents are, as the President's National Advisory Commission on Rural Poverty put it in 1967, "people left behind." In 2007, it is still a region left behind in many respects.

COHABITATION IN RURAL FAMILIES
Mary Ann Davis, Sam Houston State University

In recent decades, there have been rising rates of cohabitation. There are two aspects of cohabitation first as a pathway to marriage and second as an alternative to marriage. This paper analyzes data from Cycle 6 of the National Survey of Family Growth (NSFG), female respondent data, to explore cohabitation in non-metropolitan women, aged 15-44. Logistic regressions in nested models will examine whether those who live in non-metropolitan areas are more likely to cohabit (Model 1). Model 2 will add having children, and parity to the cohabitation model. Additional models will explore the interactions of other demographic variables: age, race/ethnicity; and religious preference in cohabitation among these women.

GENDERED ANALYSIS OF COMMUNITY SATISFACTION AND ATTACHMENT ON PERCEIVED INDIVIDUAL WELL-BEING IN RURAL TEXAS
Sameena Khan, Sam Houston State University

While previous models of community attachment and satisfaction have included gender as a control variable, none have considered how gender affects an individual’s level of community satisfaction and attachment.

Utilizing data collected in a rural community in Texas, I examine the effects of gender on community satisfaction and attachment on perceived individual well-being. There is considerable support for the hypothesis that community attachment and satisfaction are positively correlated with perceived individual well-being; yet the void between gender effect on community attachment and satisfaction is yet to be filled. I propose possible implications of these findings.

INSIGHTS INTO HOUSING AFFORDABILITY FOR LOW-INCOME RURAL FAMILIES
Jessica Kropczynski, University of Kentucky
Patricia Hyer Dyk, University of Kentucky

Nonprofits and government entities model the standard set by US Department of Housing and Urban Development (HUD) for housing affordability, which states that a housing payment in excess of thirty percent of gross income is unaffordable. Many rural families in the South experience hidden costs in acquiring their basic needs such as food and clothing; it then becomes important to look at how these needs factor into the government equation for affordability. Using data from the NC1011 Rural Families Speak project, a multi-state research project that examines rural, low-income families with children, a ratio of income spent on housing is compared to the ability to fulfill basic needs. Using direct measures of fulfillment of Maslow's human needs, the understanding of affordability can be broadened to include the unique circumstances of the rural South.

A REGIONAL ASSESSMENT OF THREATS AND OPPORTUNITIES IN SOUTHERN ILLINOIS
Courtney G. Flint, University of Illinois

The University of Illinois at Urbana-Champaign has operated Dixon Springs Agricultural Center in Southern Illinois since the 1930s. The College of Agricultural, Consumer, and Environmental Sciences, seeking to evaluate the future of the Ag Center, instigated a regional assessment of Southern Illinois led by a team of rural sociologists. This multi-dimensional study engaged area stakeholders in key informant interviews and integrated data analysis across areas such as...
agriculture, water and forest resources, and socio-economic and demographic dimensions. The dual purpose of the study was to explore the threats and opportunities facing the Southern Illinois region and to evaluate the role of the Dixon Springs Agricultural Center. The results indicated that Southern Illinois is a diverse, overwhelmingly rural region plagued by deep-seated disadvantages relative to the rest of the state, but has considerable assets, particularly natural amenities, an entrepreneurial spirit, and strong potential related to the Ag Center.

PAPER SESSION
Dallas Ball Room D3 – Conf Center
Community Organization and Social Change

Moderator:
Dreamal Worthen, Florida A&M University

Building Organizational Capacity in the Context of Disaster: A Study of Community-based Nonprofit Service Providers in Louisiana and Mississippi
Anna Kleiner, Southeastern Louisiana University
John Green, Delta State University
Katie Kerstetter, Delta State University
JoLynn Montgomery, University of Michigan School of Public Health

Hurricane Katrina has challenged the ability of local nonprofit organizations to coordinate and deliver services to meet people’s immediate and long-term needs. These service providers have had to evaluate internal and external organizational issues, such as addressing the increased demand for services and potential vulnerability to future crisis events. In this paper, we describe the organizational experiences, challenges, and recommendations of nonprofit service providers operating on the Mississippi Gulf Coast and in Louisiana, based on qualitative interviews. We also assess the capacity-building strategies employed by five specific groups in Mississippi. Using the livelihoods model to frame interpretation, this analysis offers valuable insights as to how organizations can enhance their capacity to be more responsive at the grassroots level and expand their access to resources and participation in policy development.

Sense of Community and the Extent of Community Action
Ben Robertson, Sam Houston State University
Yolanda Lopez, Sam Houston State University

Previous community literature has indicated an association between sense of community and community action; however it has yet to determine the extent of the action that is associated with an increase in sense of community. In order to determine the extent of community action that appears to be prompted by sense of community, secondary analysis of survey data collected by the Department of Rural Sociology at Texas A&M University of the west Texas community of Stanton, TX, was analyzed. Sense of community was measured using community attachment as an indicator, and community action was measured by asking people if they participate in organizations. After the association between the two was confirmed, three measures of the extent of community action were tested—number of organizations members maintain membership in, frequency of attendance at organizational meetings and whether or not a member was an officer in the organization. Findings are hypothesized to suggest an increase in sense of community facilitates an increase in the extent of community action.

Establishing a Black Belt Community Action and Studies Association
Rosalind Harris, University of Kentucky

This session will encourage dialogue about establishing a Black Belt Community Action and Studies Association. We envision this to be a participatory process between representatives from communities and colleges/universities in the region. Potential functions of the Association would be promoting collaborations and partnerships, creating a clearinghouse of resources on community action, research and policy, sponsoring annual meetings of interested partners and others throughout the region and establishing a Black Belt Regional Studies and Leadership Development Program within higher learning institutions within the region. This Program would prepare a critical mass of leaders equipped to skillfully examine and act regarding the historical background, cultures and current social, economic and political realities of the Black Belt region.

Investigating Collaborative Partnerships Among Community Action Agencies in the Southeast
Terrence Thomas, North Carolina A &T State University
Victor Ofri-Boadu, North Carolina A &T State University
Edward Fosu, North Carolina A &T State University

Although groups play an important role in social mobilization and in the provision of goods and services in rural areas, there is a growing recognition that there
are many complex tasks in a global knowledge society that no single group working alone can effectively accomplish. In this study, we seek to describe community action agencies’ collaborative networks in terms of: (1) gross structure, i.e., the entities involved in the collaborative relationship and (2) its dimensional structure—the primary underlying elements comprising the collaboration construct. Depth of relationship was described along a continuum from formal cooperation to very formal cooperation among entities. Data was collected via a survey of 344 (total population) community action agencies (CAAs) in eleven southeastern states. The response rate was approximately 45%. Factor analysis was employed to identify the underlying component structure of the collaboration construct, and frequency distributions were used to describe the structure of the collaborative relationships. The results indicate that collaboration in this study is comprised of two components, and the level of collaboration between CAAs and other entities was higher for collaboration with other community-based and faith-based organizations, and lower with businesses and universities. We feel that based on the results and policy recommendations, CBOs can successfully implement programs and initiatives designed to reduce poverty and enhance economic development. We believe that the insight gained from the study will further the understanding of the collaborative process and help community action agencies promote collaborative activity in community problem solving.

Developing Community-Based Leadership Collaboratives
Patricia Hyjer Dyk, University of Kentucky

Leadership training programs designed to develop leaders by preparing participants to take an active role in advancing the quality of life of the community are proliferating throughout the rural South. However, few cities or counties are approaching the goal of creating “leaderful” communities through community-based collaboratives. This presentation will discuss one such initiative, shedding light on the challenges and rewards of developing successful reciprocal town-gown partnerships.

3:45 P.M—5:15 P.M
SRSA BUSINESS MEETING
Dallas Ball Room D3 – Conf Center

Moderator:
Enefiok Ekanem, President, Rural Sociological Association, Tennessee State University

The State of the Southern Rural Sociological Association
Gene L. Theodori, President Elect, Sam Houston State University
Larissa Barnhart, Sam Houston State University

As part of its strategic planning process and in response to several requests voiced at recent business meetings, the Executive Council of the Southern Rural Sociological Association (SRSA) authorized the conduct of a membership survey in 2007. SRSA President-Elect Gene Theodori and Larissa Barnhart prepared and administered an online survey. The purpose of this paper is to summarize the membership survey findings, examine the SRSA’s current state of affairs, and speculate on its future direction.

TUESDAY, FEBRUARY 5
8:30 A.M. —10:15 A.M.
PAPER SESSION
Dallas Ball Room D3 – Conf Center

Innovations in Small Farm Agriculture

Moderator:
Donald McDowell, North Carolina A&T State University

The Green Industry in North Carolina
Godfrey Ejimakor, North Carolina A&T State University
Harry Sutton, North Carolina A&T State University

The production of ornamental and horticultural plants in North Carolina has increased significantly over the past few years. This trend may be a result of the continued decline in revenues from traditional crops such as tobacco. The trend is a positive one for many reasons. In addition to serving as an alternative source of income, green products are environmentally and aesthetically beneficial. The competitiveness and profitability of green products in North Carolina is a key factor for the continued growth of the industry in North Carolina. An understanding of the trends that contribute to the growth of the industry will help to promote its competitiveness. This study is a temporal and spatial analysis of the green industry in North Carolina. Historical data are used to analyze the dominant products in the industry, growth rates and geographic distribution of the products in North Carolina. The attributes of the regions where green products dominate will be ascertained and could be used to encourage the growth of the industry in other parts of the State, especially the rural ones.
The rise of ethanol as an alternative energy has transformed mesquite trees into a profitable renewable natural resource. Recent attempts have been made to harvest mesquite trees for their biomass to produce ethanol. It would provide the opportunity to create new jobs and put market value added on mesquite trees. South Texas with a semi-arid climate is ideally suited to the growth of mesquite trees. According to a previous research, a small 5 million gallon refinery would create 29 full time jobs with the lowest salary at $30,000 annually. The estimated net profit of one of these small refineries would be around $2 million per year. This study will try to estimate the average biomass yielded from selected sample mesquite trees for ethanol production in South Texas. This would be the first step in alleviating South Texas’s dependency on petroleum which will profit local landowners and develop local communities’ economy.

Countervailing Power, Monsanto and the Tillamook Dairy Cooperation
Thomas W. Gray, USDA Rural Development Cooperative Programs

Historically, agricultural cooperatives have been formed—in-part—to oppose local, regional, and national monopoly/monopsony, and oligopoly/oligopsony power. With the advent of such organizational innovations as joint ventures, strategic alliances, outsourcing, mergers, and consolidations, some have questioned the continued relevancy, and ability of agricultural cooperatives to serve as countervailing agents in the market place. However when examining the rBGH controversy, re: Monsanto versus Tillamook Dairy Cooperative, Tillamook prevailed in being able to withdraw rBGH use from among its members. This action triggered similar decisions by other dairy firms. These actions were done in spite of Monsanto’s attempts to derail its removal.

By detailing the rBGH hormone history from its initial introduction to its removal from Tillamook in 2005, the paper addresses questions related to: 1) specifying the various discursive logics used to justify and oppose (countervail) the use of recombinant bovine growth hormone, in the spheres of production and consumption, 2) highlight how various classic oppositions between cooperatives and investment firms (e.g. organized for use versus organized for return on investment) can get penetrated with this discourse, 3) how the Tillamook/Monsanto controversy can serve as an example of the continuing relevance of agricultural cooperation organization to countervail the power of larger organizations, while simultaneously achieving the voiced interests of independent farmers.

Economic Feasibility of Organic Vegetable Production on Small Farms in Alabama
Staci Huddleston, Alabama A&M
Joseph Befecadu, Alabama A&M
Hezekiah Jones, Alabama A&M

Small-farms need alternative/ supplementary enterprises to add to their net farm-income because approximately 40,000 Alabama families are having a difficult time making a living from farming. United States farmers are farming organically to lower input costs, conserve renewable-resources, capture high-value markets and boost farm-income. Large managerial costs, risk of a new way of farming, limited awareness of organic systems, and limited access to capital are some of the obstacles farmers face when transitioning from conventional to organic farming. This study determines the economic feasibility of organic production on small-scale farms in Alabama. It investigates the increase in the net cash flow for small farmers for this business venture and determines if it will provide them a supplementary income. A multi-period linear-programming model was developed to determine the optimal combination of enterprises that were the most profitable. Results suggest that organic production is a feasible alternative/ supplementary enterprise for small farms.

Farmer Survey on Adoption of BMP’s
Frank Clearfield, Natural Resources Conservation Service

A web survey on BMP adoption was developed and sponsored by a partnership composed of the Conservation Technology Information Center, the American Fertilizer Institute, private sector organizations, and the Natural Resources Conservation Service. This survey was opened for approximately a one month period from November to December 2007. Just less than 1,900 agricultural producers responded to the survey from all over the country. The information in the survey asked about adoption of BMP’s, obstacles farmers face that hinder them from adoption conservation practices, frequency of soil testing, the importance of financial, educational, and technical assistance, use of new technologies related to nutrient management practices, and preferred avenues and sources for receiving information and assistance. Background information such as age, education, type of crops grown, size of farm, etc. will be used as control variables to determine whether adoption differences
RURAL SOCIOLOGICAL

are influenced by differences in background. Preliminary results will be available and presented at the conference.

10:30 A.M.—12 P.M.
SRSA EXECUTIVE COUNCIL MEETING
Dallas Ball Room D3 – Conf Center

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### ALPHABETICAL LIST OF MEETING ROOMS AND LOCATION

<table>
<thead>
<tr>
<th>Room</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>Austin Ballrooms</td>
<td>Hotel--2&lt;sup&gt;nd&lt;/sup&gt; Floor</td>
</tr>
<tr>
<td>City View Rooms</td>
<td>Hotel--4&lt;sup&gt;th&lt;/sup&gt; Floor</td>
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<tr>
<td>Dallas Ballrooms</td>
<td>Conference Center--1&lt;sup&gt;st&lt;/sup&gt; Floor</td>
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<tr>
<td>Executive Boardroom</td>
<td>Hotel--2&lt;sup&gt;nd&lt;/sup&gt; Floor</td>
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<tr>
<td>Grand Hall</td>
<td>Conference Center--1&lt;sup&gt;st&lt;/sup&gt; Floor</td>
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<tr>
<td>Live Oak Room</td>
<td>Hotel--2&lt;sup&gt;nd&lt;/sup&gt; Floor</td>
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<tr>
<td>Majestic Boardrooms</td>
<td>Hotel--37&lt;sup&gt;th&lt;/sup&gt; Floor</td>
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<tr>
<td>Pearl Rooms</td>
<td>Hotel--2&lt;sup&gt;nd&lt;/sup&gt; Floor</td>
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<tr>
<td>Press Club Room</td>
<td>Hotel--2&lt;sup&gt;nd&lt;/sup&gt; Floor</td>
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<tr>
<td>Remington Room</td>
<td>Hotel--4&lt;sup&gt;th&lt;/sup&gt; Floor</td>
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<tr>
<td>San Antonio Ballroom A/B</td>
<td>Conference Center--3&lt;sup&gt;rd&lt;/sup&gt; Floor</td>
</tr>
<tr>
<td>Seminar Theater</td>
<td>Hotel--2&lt;sup&gt;nd&lt;/sup&gt; Floor</td>
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### ADAM'S MARK HOTEL – 2ND FLOOR

<table>
<thead>
<tr>
<th>Adam’s Mark Hotel Second Floor</th>
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<tbody>
<tr>
<td><strong>Austin Ballroom</strong></td>
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<tr>
<td><strong>Preconvene Foyer</strong></td>
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<tr>
<td><strong>Section 1</strong></td>
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<td><strong>Section 2</strong></td>
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<td><strong>Section 3</strong></td>
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<tr>
<td><strong>Executive Boardroom</strong></td>
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<td><strong>Live Oak Room</strong></td>
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<td>Room 5</td>
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<tr>
<td>Press Club Room</td>
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<tr>
<td>Seminar Theater</td>
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### ADAM'S MARK HOTEL – 4TH FLOOR

<table>
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<th>Adam’s Mark Hotel Fourth Floor</th>
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<tbody>
<tr>
<td><strong>City View Rooms</strong></td>
</tr>
<tr>
<td>Room I</td>
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<td>Room II</td>
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<td>Room III</td>
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<td>Room IV</td>
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<td>Room V</td>
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<td>Room VI</td>
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<td>Room VII</td>
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<td>Room VIII</td>
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<tr>
<td>Remington Room</td>
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ADAM'S MARK HOTEL – 37TH FLOOR

<table>
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<th>Majestic Boardrooms</th>
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<tr>
<td>Boardroom 1</td>
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<td>Boardroom 2</td>
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<tr>
<td>Boardroom 4</td>
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<tr>
<td>Boardroom 5</td>
</tr>
<tr>
<td>Boardroom 9</td>
</tr>
</tbody>
</table>

Hotel - 37th Floor
Majestic
Ballrooms

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