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

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

Wyndham Orlando Resort Foyer

Sunday 8:00 am - 4:00 pm
Monday 8:00 am - 4:30 pm
Tuesday 8:00 am - Noon

SAAS PROGRAMS

Sunday, February 5

4:00 pm - 6:00 pm — SAAS Opening Session and General Business Meeting
Orange and Lemon Rooms
The Future of Animal Agriculture in North America

6:30 pm – till — SAAS Reception
East Pool Pavilion
(Wyndham Foyer if raining)

“Super Bowl Party”
Come watch the game!

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

EXECUTIVE COMMITTEE MEETINGS

Sunday, February 5

2:30 pm - 3:30 pm—SAAS Board Meeting
Executive Board Room

Tuesday, February 7

7:30 am - 9:30 am -SAAS Board Breakfast Meeting
Oleander B

OPENING SESSION AND GENERAL BUSINESS MEETING

Sunday February 5, 2006, 4:00 to 6:00 PM
Wyndam - Orange and Lemon Rooms

Introduction
Scott Smith, President of SAAS
University of Kentucky

Program
The Future of Animal Agriculture in North America

Animal agriculture is undergoing fundamental change. This change is not limited to any particular size or type of livestock operation, nor is it limited to the farm. Every facet of the animal food chain— from genetics to retailer to food service outlet— is trying to adjust to the rapid pace of change. This session is sponsored by Farm Foundation and the SAEA, and will take a comprehensive look at this industry. All SAAS associations and represented discipline are invited to attend this session.

Speakers may include Walter Armbruster, Farm Foundation; Hal Harris, Clemson Univ.; David Blandford, Penn State Univ.; Peter Goldsmith, Univ. of Illinois; H.L. Goodwin, Univ. of Arkansas; Helen Jensen, Iowa State Univ.; Charlie Abdalla, Penn State Univ.; Mike Boehlje, Purdue Univ.

General Business Meeting to follow.

Come Early
Door prizes will be drawn!
SPECIAL PROGRAMS

Thursday and Friday, February 2 - 3
8:00 am – 5:00 pm
Sweet Potato IMP Project
Cedar/Marathon

Saturday, February 4
8:00 am – 5:00 pm
S-1023 Regional Project– Heat Stress in Dairy Cattle
Longboat

8:00 am – 5:00 pm
IR-4 Phytophthora capsici Disease Workshop
Tangerine A

8:00 am – 5:00 pm
NCAC-14/SRAC-11 Joint Meeting
Tangerine B

Sunday, February 5
8:00 am – 11:00 am
S-1023 Regional Project– Heat Stress in Dairy Cattle
Longboat

8:00 am – 1:30 pm
NCAC-14 Meeting
Hibiscus

2:00 pm – 5:00 pm
SS-AAEA Meeting
Hibiscus

ACADEMIC DEPARTMENT HEADS

Academic Department Heads
2006 SAAS Meeting
Wyndham Orlando Resort
Monday, February 6, 2006
Coquina Room

The agenda for the meeting is:

7:00 - 7:20 am ..................... Continental Breakfast
7:20 - 8:00 am ... A Discussion of Distance Learning and On-line Courses
8:00 - 8:45 am .... Discussion of University, College, and Departmental Changes
8:45 - 9:00 am ......................... Business Meeting
Monday, February 6

7:30 am – 9:00 am – Administrative Heads of Agriculture Section (AHS)
Executive Board Room

Sunday, February 5

10:15 a.m.  Research Session I
Palms Ballroom Salon B (Wyndham Resort)

Welcome and Overview

“Communication Efforts of Florida Extension Agents during the 2004 Hurricane Season”
Melissa Muegge, Ricky Telg, Tracy Irani, Mark Kistler & Nick Place, University of Florida

“Themes, Authors, and Citations in the Journal of Applied Communications, 2000-2004”
Jefferson D. Miller, University of Arkansas; Dana M. Stewart, American Gelbvieh Associates; and Lindsay M. West, Texas Tech University

“Bridging Borders: Organizing Short-Term Agricultural Communication Study Abroad Programs”
Emily Rhoades, Ricky Telg, and Tracy Irani, University of Florida & Owen Roberts, University of Guelph

Noon Lunch on your own

1:15 p.m.  Professional Development Session I
Guest Speakers: Casey Pace, Communications Director, Florida Citrus Mutual, and Heather Nedley, Executive Director, Polk County Farm Bureau

2:45 p.m.  Break

3:00 p.m.  Research Session II

Jennifer Lynn Norwood-Tolbert and Tracy A. Rutherford, Texas A&M University

“The Stuff You Need Out Here: A Semiotic Analysis of Agricultural Magazine Advertisements”
Emily B. Rhoades, University of Florida

4:00 p.m.  General Session
Monday, February 6

8:30 a.m.  Research Session III
Palms Ballroom Salon B (Wyndham Resort)

“Evaluating Genetically Modified Food Labels: A Focus Group Study”
Courtney Meyers, University of Florida, and Jefferson D. Miller, University of Arkansas

“Understanding the U.S. Public's Lack of Knowledge about Agricultural Biotechnology and Its Implications for Print Media”
Victoria L. Kramer, and Joan S. Thomson, Pennsylvania State University

“Environmental Groups Identify Barriers to Agriculture in Adopting Water Quality BMPs”
Terrie Clark, Steven G. Hill, Ted Cable, Kris Boone, and Pat Melgares, Kansas State University

10:00 a.m.  Break
(Sponsored by ACE Southern Region)

10:30 a.m.  Professional Development Session II
Guest Speaker: Keith Rupp, Director of Public Relations, Florida Department of Citrus

Noon  Lunch on your own

1:30 p.m.  Research Session IV

“Local Marketing and Promotional Efforts of Florida Extension Agents”
Ashley Hurst, Ricky Telg & Tracy Irani, University of Florida

“Podcasting Agriculture News: A New Technology Challenging Traditional Radio”
Blair L. Fannin, Texas A&M University

2:30 p.m.  Break

3:00 p.m.  Research Session V

“Cognitive and Affective Responses by Lubbock Chamber of Commerce Affiliates to Agricultural News”
Meredith Campbell, Chad S. Davis, Cindy Akers, David Doerfert & Steve Fraze, Texas Tech University

4:00 p.m.  General Discussion and Business Meeting

“Teaching Students to Write: A Review of History, Movements and Methods”
Danna B. Kelemen, and D. Dwayne Cartmell, II, Oklahoma State University
Southern Agricultural Economics Association
38th Annual Meetings Program
February 5-8, 2006
Orlando, Florida

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All meeting rooms are located in the Wyndham Orlando Resort, International Drive

Saturday 6 p.m. - 7 p.m.
Quiz Bowl
Palms Ballroom, Salon I

Sunday 8 a.m. – 5 p.m.
Quiz Bowl
Palms Ballroom, Salon I

Sunday 9 a.m. - 2 p.m.
SAEA Executive Board Meeting
Executive Boardroom

Sunday Noon - 5 p.m.
Registration
Palms Ballroom, Foyer

Sunday 2 p.m. - 5 p.m.
Department Heads’ Meeting
Tangerine A

Sunday 2 p.m. - 5 p.m.
SS-AAEA Meeting
Hibiscus

Sunday 4 p.m. - 6 p.m.
SAAS General Session
Citrus Ballrooms, Orange & Lemon

Sunday 6:30 p.m. - 8:30 p.m.
SAAS Reception
East Pool Pavilion

Sunday 2 p.m. - Tuesday 5 p.m.
Selected Posters
Palms Ballroom, Salon E
Poster Presentations-Tuesday 10:15 - 12:00 noon

AGRICULTURAL ECONOMICS

Presenters:

1. Economic Impact of BSE on the United States Beef Industry
   Sarah McMahon, Parr Rosson, Flynn Adcock, Texas A&M University

   A. Blake Brown, North Carolina State University; George Frisvold, University of Arizona; Kenneth Paxton, LSU; Jeanne Reeves, Cotton Incorporated

   Mark M. Byrd, Cesar L. Escalante, Esendugue G. Fonsah, Michael E. Wetzstein, University of Georgia

4. A Partial Budget Analysis of Wildlife Habitat Buffers in the Mississippi Black Belt
   Philip J. Barbour, Mississippi State University; Steven W. Martin, Delta Research and Extension Center, Loren W. (Wes) Burger, Jr., Mississippi State University

5. Usage Characteristics for Rural Business Websites
   Susan Watson, Gary Kennedy, Louisiana Tech University; John Nwoha, University of Arkansas; Kenneth Rea, Louisiana Tech University

6. Value of Factors that Drive Purchase of Flat Iron Steak
   Erin Tucker, Susan Watson, Louisiana Tech University; Darren Hudson, Mississippi State University

7. Certainty Equivalent Farm Returns from Bt and Non-Bt Cotton
   Swagata "Ban" Banerjee, Steven W. Martin, Mississippi State University
8. Water Management Strategies for Reducing Irrigation Demands in the Texas Panhandle
   Dustin Gaskins, Stephen H. Amosson, Texas A&M University; Lal K. Almas, West Texas A&M University; DeDe Jones, Fran Bretz, Bridget Guerrero, Thomas Marek, Leon New, Texas A&M University

9. Are Precision-Farming Technologies for Farms with Limited Resources? An Economic Decision Aid for Potential Precision Farming Technology Adopters
   Vijay Subramaniam, David Debertin, Carl Dillon, University of Kentucky

10. Panhandle Model Farms – Case Studies of Texas High Plains Agriculture
    DeDe Jones, Dustin Gaskins, Texas A&M University

11. Evaluating the Impact of Increased Fuel and Fertilizer Prices on 2006 Rice Base Planting Decisions
    Michael E. Salassi, Brian L. Roule, LSU

12. Quizbowl Benefits: Attitudes and Performance of Southern Region School Students at the SS-AAEA Quizbowl Competition
    Jennie Popp, German Rodriguez, University of Arkansas

13. Futures Hedging Strategies for Arkansas Cotton and Soybean Enterprises
    Germán Rodríguez, Andrew McKenzie, Lucas Parsch, University of Arkansas

    Safdar Muhammad, Crystal A. Doss, Tennessee State University

15. Value-added Marketing of Edible and Medicinal Mushroom
    Kelli Ennis, Kenrett Y. Jefferson-Moore, North Carolina A&T State University

    Nathan Kemper, Jennie Popp, University of Arkansas; Dennis Robinson, University of Missouri; Wayne Miller, H.L. Goodwin, Jr., University of Arkansas; Gerald Doekson, Oklahoma State University

17. A Trend toward Economic Accountability for Extension
    Dean McCorkle, Dan Hanselka, Sarah McMahon, Steven Klose, David Anderson, Mark Waller, Scott Cummings, Texas A&M University; Garen Evans, Mississippi State University

18. Using GIS Techniques to Identify Marginal Cropland: A Cotton Example
    Kenneth W. Paxton, Huizhen Niu, LSU

19. Maturity Group Tradeoffs in Corn Hybrid Selection: Yield Potential, Seeding Rate, Irrigation Cost and Seasonal Sale Price
    Michael Popp, University of Arkansas; Jeffrey Edwards, Oklahoma State University; Larry Purcell, University of Arkansas

20. The Economic Impact of the Multi-Fiber Arrangement Removal on Global Textile and Cotton Trade
    Doris Yan Xia, Parr Rosson, Texas A&M University

21. Marketing Opportunities for Two Ark Clam Species: Blood Ark (Anadara ovalis) and Ponderous Ark (Noetia ponderosa) Clams
    Robert L. Degner, Kimberly L. Morgan, University of Florida

22. Television Food Advertising and My Pyramid: Keeping Kids Healthy?
    Anne Jones, Lisa House, Al Wysocki, University of Florida

23. Estimation of the Economic Impact of Russian Varroa-Resistant Honey Bees
    John V. Westra, Seon-Ae Kim, LSU

24. An Examination of Environmental Liability Costs to Landowners
    Gregory Ibendahl, Mississippi State University
AGRICULTURAL ECONOMICS

25. An Evaluation of the Potential Market for and Uses of Catfish Processing Waste
Aloyce R. Kaliba, Carole R. Engle, University of Arkansas at Pine Bluff

26. An Economic Comparison of the Efficacy of Defoliation Recommendations
Joey E. Mehlhorn, Tim Burcham, Barbara Darroch, Richard Joost, University of Tennessee at Martin; Melissa Lowery, Southeastern Bollweevil Eradication Program

27. Economic Contribution of Varying Agronomic Practices in South Carolina Soybean and Corn Production
Todd D. Davis, Charles E. Curtis, Jr., Jason K. Norsworthy, Clemson University

28. Quality and Cost Adjusted Economic Impacts of Alternate Tillage and Production Practices in South Carolina Cotton
Charles E. Curtis, Jr., Todd D. Davis, Clemson University; Phillip J. Bauer, ARS-USDA; Jim Frederick, Clemson University

Monday 8 a.m. - 5 p.m.
Registration
Palms Ballroom, Foyer

Monday 8 a.m. - 5 p.m.
Quiz Bowl
Palms Ballroom, Salon A
Coffee Break - Oleander B 8 am - noon

Monday 8 a.m. - 5 p.m.
Departmental Recruitment Displays
Palms Ballroom, Foyer

Monday 8:30 a.m. - 8:45 a.m.
38th Annual SAEA Meetings
Opening Remarks and Welcome
Kimberly L. Jensen, SAEA President
Citrus Ballroom - Orange

Monday 8:45 a.m. - 9:45 a.m.
Presidential Address
Damona Doye
Citrus Ballroom - Orange

Monday 10:15 a.m. - 12 noon
Invited Papers 2
Madeira

Title: Emerging Issues of Urban-Rural Interfaces


2. The Effects of Urban Growth Boundary on Housing Price at Knox County, Tennessee. Steven T. Yen, Seong-Hoon Cho, University of Tennessee; Zhuo Chen, University of Chicago

3. Two Dimensions of the Spatial Distribution of Housing: Dependency and Heterogeneity across Tennessee’s Six Metropolitan Statistical Areas. Seong-Hoon Cho, Christopher D. Clark, William M. Park, University of Tennessee

4. Wilderness and Primitive Area Recreation and Consumption: An Examination of Demographic and Spatial Factors. J.M. Bowker, H. Ken Cordell, USDA Forest Service; John C. Bergstrom, Meghan Starbuck, Danielle Murphy, University of Georgia

Monday 10:15 a.m. - 12 noon
Invited Papers 2
Madeira

Title: Bio-Security, Diseases, and Invasive Species: Implications of Bioterrorism for Agriculture


Discussants: Gary Becker, U.S. Dept. of Homeland Security
John Fox, Kansas State University

Monday, 12 noon - 1 p.m.
SERA-IEG 16 Business Meeting
Coquina

14
Title: Applications of Contemporaneous Econometric Methods
Moderator: Octavio Ramirez, New Mexico State University

   William Wolatub, ERS-USDA; Ashagree Yigitu, Southern University and A&M; Christopher G. Davis, ERS-USDA; Sung Chul No, Southern University and A&M

2. Legal Status and U.S. Farm Wages
   Nobuyuki Iwai, Robert D. Emerson, Lurleen M. Walters, University of Florida

3. Estimation of Production Functions Using Average Data
   Matthew Salois, Grigorios Livanis, Charles B. Moss, University of Florida

4. Economics of Management Zone Delineation in Cotton Precision Agriculture
   Roderick M. Rejesus, Margariata Velandia, Eduardo Segarra, Kevin Bronson, Texas Tech University

Title: BMP Adoption, Environment and Economic Performance
Moderator: Nirmala Devkota, Louisana State University

1. Determination of BMP Adoption Effectiveness in the Louisiana Dairy Production Region
   L. M. Hall, K. P. Paudel, W. M. Gauthier, J. W. Westra, H. Niu, LSU

2. Are Friendly People Also Environmentally Friendly? Environmental Awareness as a Social Capital Outcome
   Abdul B.A. Munasib, Jeffrey L. Jordan, University of Georgia

Title: Surveys, Data and Probabilistic Forecasts
Moderator: K.P. Paudel, LSU

1. Surveys: What Does One Need to Know More about Them?
   Harjanto Djunaidi, Middle Tennessee State University

2. Almost Ideal Demand (AID) and Kuhn-Tucker Model in Estimation Recreation Demand
   Rex Caffey, Nirmala Devkota, Krishna Paudel, Larry Hall, LSU

3. Calibrating Probabilistic Forecasts
   Paul A. Feldman, James W. Richardson, Keith D. Schumann, Steven L. Klose, Texas A&M University

   Yapo G. N’Guessan, Allen Featherstone, Hanas A. Cader, Kansas State University

Title: Issues in Nutrition and Produce Consumption
Moderator: Bailey Norwood, Oklahoma State University

1. Modeling Fresh Organic Produce Consumption: Evidence from Scanner Data
   Feng Zhang, Chung L. Huang, University of Georgia; Bling-Hwan Lin, ERS-USDA
AGRICULTURAL ECONOMICS

2. Changing Patterns of Orange Juice Consumption in the Southern United States
   Leigh Ann Love, James A. Sterns, Thomas H. Spreen, Allen F. Wysocki, University of Florida

3. Derived Demand for Food Nutrients as Welfare Indicator of Biofortified Crops
   Josyline C. Javelosa, Charles B. Moss, Andrew Schmitz, University of Florida

4. Household Vegetable Demand in the Philippines: Is There an Urban-Rural Divide?
   Maria Erlinda M. Mutuc, Suwen Pan, Roderick M. Rejesus, Texas Tech University

Monday, 1 p.m. - 2:45 p.m.
Organized Symposium 1
Venice

Title: Promoting Non-Traditional Alternative Enterprises for Small Farmers
Organizer: Safdar Muhammad, Tennessee State University
Moderator: Albert J. Allen, Mississippi State University

Presenters:
1. Surendra Singh and Enefiok Ekanem, Tennessee State University
2. Omoanghe Isikhuemhen, North Carolina A&T State University
3. Tom Tate, USDA/CSREES
4. Safdar Muhammad and Fisseha Tegegne, Tennessee State University
5. Albert Allen, Mississippi State University

Monday, 1 p.m. - 2:45 p.m.
Organized Symposium 2
Madeira

Title: Price and Quality Differentiation: Implications for the U.S. Beef Market
Organizers: Sayed Saghaian, University of Kentucky
Moderator: Darren Hudson, Mississippi State University

Presenters:
1. Dawn Thilmany and Wendy Umberger, Colorado State University
2. Amanda R. Ziehl, University of Tennessee
3. William Hahn and Kenneth Mathews, Jr., USDA-ERS
4. Sayed Saghaian, Michael Reed, Kenny Burdine, University of Kentucky

AGRICULTURAL ECONOMICS

Monday 3:15 p.m. - 5 p.m.
Selected Papers 5
Clearwater

Title: Farm Bill, Government Program and Policy
Moderator: Xiaohui Deng, Cal State-Fresno

   Sung Chul No, Southern University and A&M; Michael E. Salassi, LSU

2. Should Farm Bill Cropping Restrictions Really Matter to Fruit and Vegetable Producers? The Case of the Rio Grande Valley, Texas
   Roland J. Fumasi, James W. Richardson, Texas A&M University

   Fariz, Ahmadov, University of Georgia; Ashok Mishra, ERS-USDA; Barry Barnett, University of Georgia

4. The Impact of Increased Planting Flexibility on Planting Decisions Across Texas
   J. Marc Raulston, Joe L. Outlaw, James W. Richardson, George M. Knapek, Texas A&M University

Monday 3:15 p.m. - 5 p.m.
Selected Papers 6
Daytona

Title: Analysis of Animal Production Decision
Moderator: Robert H. Beach, Research Triangle Institute

1. Dairy Resource Management: The Effects of Concentration and Urbanization
   Erik O’Donoghue, Richard F. Nehring, Charles Barnard, Carmen L. Sandretto, ERS-USDA

2. Considerations in the Dairy Relocation Decision
   Brian K. Herbst, Joe L. Outlaw, David P. Anderson, Hanry L. Bryant, Texas A&M University
AGRICULTURAL ECONOMICS

3. Heterogeneous Production Efficiency of Specialized Swine Producers
   Glynn T. Tonsor, Allen M. Featherstone, Kansas State University

4. Live Animal Ultrasound Information as a Decision Tool in Replacement Beef Heifer Programs
   Alex Dos Santos, John D. Anderson, Rhonda C. Vann, Scott Willard, Mississippi State University

Monday 3:15 p.m. - 5 p.m.
Selected Papers 7
Paradise

Title: Willingness to Pay
Moderator: Harjanto Djunaidi, Middle Tennessee State University

1. Willingness-to-Pay for Genetic Attributes in Aquaculture Industries
   Brian C. Boever, R. Wes Harrison, Terrence R. Tiersch, LSU

2. Heterogeneity in Producer’s Marketing Strategy
   Tong Zhang, B. Wade Brorsen, Oklahoma State University

3. Does Biotech Regulation Affect Industrial Organization? The Case of the Global Seed Industry
   James N. Barnes, LSU; Nicholas G. Kalaitzandonakes, University of Missouri; Harvey S. James, Jr., LSU

4. Strategic Alliances in U.S. Branded Beef Programs
   Steve Martinez, ERS-USDA; Roger Hanagriff, Sam Houston State University; Kevin E. Smith, ERS-USDA

Monday 3:15 p.m. - 5 p.m.
Selected Papers 8
Madeira

Title: Issues in Farm Finance: Augmenting Household Income, Credit Quality Measurement and Loan Default Prediction
Moderator: Erda Wang, Tarleton University

AGRICULTURAL ECONOMICS

1. Savings of Farm Households. Who does and How Much?
   Ashok Mishra, ERS-USDA; Hung-Hao Chang, Cornell University

2. Credit Quality of Kansas Farms
   Allen M. Featherstone, Michael R. Langemeier, Kent J. Havkamp, Kansas State University

3. Compensating for Lower Household Income: The Case of U.S. Farm Households
   Brian C. Briggeman, Ken Foster, Purdue University

4. Predicting Credit Default in an Agricultural Bank: Methods and Issues
   O. Odeh Oluwarotimi, Allen Featherstone, Sanjoy Das, Kansas State University

Monday 3:15 p.m. - 5 p.m.
Selected Papers 9
Venice

Title: Information, Tourism, and Value Added Agriculture
Moderator: James N. Barnes, LSU

   Daniel Monchuk, Southern Mississippi University; John Miranowski, Iowa State University

2. Running to Stand Still: How Litigation has Emphasized Challenges Economists Face in the Absence of Data
   Nathan Kemper, University of Arkansas; Jennie Poop, Dennis Robinson, Wayne Miller, H.L. Goodwin, Jr., University of Arkansas; Gerald Doekson, Oklahoma State University

3. The Demand for Agritourism in the United States
   Carlos E. Carpio, Michael K. Wohlgenant, Tullaya Boonsaeng, North Carolina State University

   Gebremeskel H. Gebreman, Tesfa G. Gebremedhin, West Virginia University
AGRICULTURAL ECONOMICS

Monday 3:15 p.m. - 5 p.m.
Organized Symposium 3
Palms Ballroom, Salon H

Title: Lessons from the Tobacco Buyout
Organizers: Kelly J. Tiller, University of Tennessee
Moderator: Thomas Capehart, USDA-ERS
Presenters:
1. William Snell, University of Kentucky
2. Kelly Tiller, University of Tennessee
3. Blake Brown, North Carolina State University
4. Nathan Smith, University of Georgia

Monday 3:15 p.m. - 5 p.m.
Organized Symposium 4
Coquina

Title: The WTO and its Potential Impacts on the U.S. Agricultural Policy
Organizer: Parr Rosson and Flynn Adcock, Texas A&M University
Moderator: P. Lynn Kennedy, LSU
Presenters:
1. Parr Rosson, Texas A&M University
2. Larry Sanders, Oklahoma State University
3. Mickey Paggi, California State University-Fresno
4. John Robinson, Texas A&M University

Monday 5:15 p.m. - 7 p.m.
SAEA Business Meeting and Awards Program
Citrus Ballrooms - Lime

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Tuesday 8 a.m. - 5 p.m.
Registration
Palms Ballroom, Foyer

Tuesday 10:15 a.m. - 12 noon
Poster Session
Palms Ballroom, Salon E

Tuesday 8:45 a.m. - 9:45 a.m.
Keynote Speaker
Dr. Bob Young, Chief Economist
American Farm Bureau Federation
Citrus Ballrooms – Lime

AGRICULTURAL ECONOMICS

Tuesday 10:15 a.m. - 12 noon
Invited Papers 3
Palms Ballroom, Salon B

Title: The Impact of Bio-Fuels on Southern States Agriculture

1. Outlook for the Bio-fuels Industry in Southern States. Anthony Crook, USDA Rural Development
2. Challenges to Producer Ownership of Ethanol and Bio-diesel Production Facilities. Phil Kenkel and Rodney Holcomb, Oklahoma State University
3. Economic Impacts of Bio-fuel Production on States and Rural Communities. Joe Parcell and Pat Westhoff, University of Missouri
4. The Economic Competitiveness of Bioenergy Production and Impacts on Southern Region Agriculture. Marie Walsh, University of Tennessee

Tuesday 10:15 a.m. - 12 noon
Invited Papers 4
Palms Ballroom, Salon H

Title: Putting Entrepreneurship into Agricultural Economics: Research and Teaching Perspectives

1. Returns to the Entrepreneurial Resource. R. Brent Ross and Randy Westgren, University of Illinois, Urbana-Champaign
2. Collective Entrepreneurship: An Emerging Phenomenon in Producer-Owned Organizations. Michael L. Cook, University of Missouri; Brad Plunkett, Government of Western Australia
3. Can Entrepreneurship Be Taught? Peter G. Klein and J. Bruce Bullock, University of Missouri
Discussant: Vincent Amanour-Boadu, Kansas State University
AGRICULTURAL ECONOMICS

Tuesday 10:15 a.m. - 12 noon
Organized Symposium 5
Lifetime Achievement Award Symposium
Cocoa

Organizer: Richard L. Kilmer, University of Florida
Moderator: Richard L. Kilmer, University of Florida

Presenters:
1. Stephen H. Amosson, Texas A&M University
2. Gerald A. Doeksen, Oklahoma State University
3. Danny A. Klinefelter, Texas A&M University
4. Thomas H. Spreen, University of Florida
5. Abner W. Womack, University of Missouri

Tuesday 1 p.m. - 2:45 p.m.
Selected Papers 10
Citrus Ballrooms - Lime

Title: Teaching and Research Agenda
Moderator: Joseph Mehlhorn, University of Tennessee at Martin

1. Incorporation of Evolutionary Economic and Related Multidisciplinary Concepts Into a 1964 Conceptualization of a Market
   Hector O. Zapata, Wayne M. Gauthier, LSU
2. Authors: Quizbowl: Success in and out of the Classroom, A Five Year Study
   Jennie Popp, German Rodriguez, University of Arkansas
3. Do We Prepare Our Students Well for the Job Markets?
   Tim Redd, Harjanto Djunaidi, Middle Tennessee State University
4. Agricultural Health and Safety: A Research Agenda for Agricultural Economists
   Robert Burton, Jr., Ross Key, Kansas State University

Tuesday 1 p.m. - 2:45 p.m.
Selected Papers 11
Clearwater

Title: Precision Agriculture
Moderator: Shankar Devkota, Oklahoma State University

1. Field-Scale Research Experimental Designs and Spatial Econometric Methods for Precision Farming
   Terry Griffin, Raymond Florax, Jess Lowenberg-DeBoer, Purdue University
2. Maximum Value of a Precise Nitrogen Application System for Wheat
   Jon T. Biermacher, Francis M. Epplin, B. Wade Brorsen, John B. Solie, William R. Raun, Oklahoma State University
3. Yield Monitor Adoption and Information Use by U.S. Soybean Producers
   Stan Daberkow, Jorge Fernandez-Cornejo, ERS-USDA

Tuesday 1 p.m. - 2:45 p.m.
Selected Papers 12
Cocoa

Title: Partial and General Equilibrium Analysis of Agricultural Commodities
Moderator: Sung Chul No, Southern University and A&M

1. Sensitive Product Designation in the Doha Round: The Case of Rice
   Alvaro Durand-Morat, Eric Wailes, University of Arkansas
2. Effect of Central American Free Trade Area (CAFTA) on U.S. Sugar Market
   Hassan Marzoughi, P. Lynn Kennedy, LSU
   Suwen Pan, Samarendu Mohanty, Mohamadou Fadiga, Mark Welch, Texas Tech University

Tuesday 1 p.m. - 2:45 p.m.
Selected Papers 13
Daytona

Title: Broiler Production and Waste
Moderator: Sherry Larkin, University of Florida

1. Assessing the Feasibility of Broiler Manure Transportation and Application in Crop Production under Environmental Restrictions
   K. Bhattara, K. Paudel, LSU
2. Despairing over Disparities: Willingness to Pay and Willingness to Accept Differences among Broiler Producers in Louisiana
   Y. Qin, K.P. Paudel, LSU

3. How Much Is Poultry Litter Worth?
   R.I. Carreira, H.L. Goodwin, S.J. Hamm, University of Arkansas

4. Adoption of Best Management Practices among Poultry Producers in Louisiana
   K.P. Paudel, Y. Qin, T. Lavargne, K. Wegenhof, LSU

Tuesday 1 p.m. - 2:45 p.m.
Selected Papers 14
Paradise

Title: Farm Level Agronomic Analysis
Moderator: Philip R. Eberle, Southern Illinois Univ

1. Herbicide Application Rates, Risk Premiums and Environmental Implications
   Ray Massey, University of Missouri

2. Application of Weather-Based Risk Models for Agricultural Risk Management in Developing Countries
   Oscar Vergara, Gerhard Zuba, Tim Doggett, Air Worldwide Corporation

3. Adoption of Conservation Tillage Methods and Genetically Modified Cotton
   Roland K. Roberts, Burton C. English, Qi Gao, James A. Larson, University of Tennessee

4. A Farm-Level Approach to the Methyl Bromide Phase-out: Identifying Alternatives and Maximizing Net Worth Using Stochastic Dominance and Optimization Procedures
   Mark M. Boyd, Cesar L. Escalante, Michael E. Wetzstein, Esendugue G. Fonsah, University of Georgia

Tuesday 1 p.m. - 2:45 p.m.
Selected Papers 15
Venice

Title: Biotechnology and Economic Development: The Benefits of MSV Tolerant Maize in Kenya
Monica Lopez Andreu, David Norman, Orlen Grunewald, Kansas State University

   Monica Lopez Andreu, David Norman, Orlen Grunewald, Kansas State University

2. Economic Impacts of Restricted Animal Movements Due to Enhance Mexican Regional Bovine Health Criteria
   Megan E. Cunningham, Derrell S. Peel, Oklahoma State University

3. Technological Leapfrogging as a Source of Competitive Advantage in Global Produce Industries
   Thom Wright, Suzanne Thomsbury, Lourdes Martinez, Michigan State University

   Nandini Banerjee, P. Lynn Kennedy, LSU

Tuesday 1 p.m. - 2:45 p.m.
Selected Papers 16
Palms Ballroom, Salon H

Title: Economic Impacts of Restricted Animal Movements Due to Enhance Mexican Regional Bovine Health Criteria
Megan E. Cunningham, Derrell S. Peel, Oklahoma State University

   Monica Lopez Andreu, David Norman, Orlen Grunewald, Kansas State University

2. Economic Impacts of Restricted Animal Movements Due to Enhance Mexican Regional Bovine Health Criteria
   Megan E. Cunningham, Derrell S. Peel, Oklahoma State University

3. Technological Leapfrogging as a Source of Competitive Advantage in Global Produce Industries
   Thom Wright, Suzanne Thomsbury, Lourdes Martinez, Michigan State University

   Nandini Banerjee, P. Lynn Kennedy, LSU

Title: Government Policy Effectiveness and Its Impact
Moderator: Albert Allen, Mississippi State University

1. Participatory Integrated Watershed Management for Sustainable Rural Livelihoods in Developing Countries
   Yoganand Budumuru, West Virginia University

2. An Alternative Model for Analyzing the Physician-Hospital Relationship in Rural Areas
   Matthew J. Fannin, James N. Barnes, LSU

3. An Empirical Analysis of Food Assistance Participation Program in West Virginia
   Ahadu T. Tekele, Tesfa G. Gebremedhin, West Virginia University

   Biswaranjan Das, Daniel V. Rainey, University of Arkansas
Title: Weather, Land Value and Conjoint Analysis
Moderator: Roger A. Hinson, LSU

1. Predicting Weather-Caused Crop Yield Losses In Kansas
   Erda Wang, Jimmy R. Williams, Bertis B. Little,
   Bill B. Golden, Tarleton University

2. Choice-Based Conjoint Experiment with Genetically Engineered Cotton in the Mississippi Delta
   Swagata “Ban” Banerjee, Steven W. Martin,
   Darren Hudson, Mississippi State University

   Maribel Mojica and James O. Bukenya, Alabama A&M University

   Madison Coley, Wojciech J. Florkowski,
   University of Georgia; Michael Bowker, U.S. Forest Service

Title: Estimating Economic Losses Incurred by Agriculture from Natural Disasters
Organizers: John Anderson, C.W. “Bill” Herndon, and Gregory Ibendahl, Mississippi State University
Moderator: C.W. “Bill” Herndon, Mississippi State University
Presenters:
1. John Anderson, Mississippi State University
2. Kurt M. Guidry, Louisiana State University
3. Gregory Ibendahl, Mississippi State University
4. James L. Novak, Auburn University

Title: The Economic Impact of CAFTA-DR on Southern Agriculture
Organizer: Flynn Adcock and Parr Rosson, Texas A&M University
Moderator: Stanley M. Fletcher, University of Georgia
Presenters:
1. Sarah McMahon, Parr Rosson, and Flynn Adcock, Texas A&M University
2. Jaime Malaga, Texas Tech University
3. P. Lynn Kennedy, Louisiana State University

Title: Market Structure Analysis Across Countries
Moderator: P. Lynn Kennedy, Lousiana State University

1. Who Dominates Market Power for U.S.- China Soybean Trade?
   Baohui Song, Mary A. Marchant, Shuang Xu,
   University of Kentucky

   Ferdinand D. Vinuya, Clemson

3. Monopsony Power and EU Fish Imports: Implications for Ugandan Exports of Fresh and Chilled Fish Fillet
   Andrew Muhammad, Southern University and A&M

4. The International Location of Pork Production
   Hongsin Park, Ozgur Kaya, Lewell Gunter,
   University of Georgia

Title: Environmental Valuation and Policy
Moderator: J. Fernandez-Cornejo, ERS-USDA

1. Impact of Forestry-Related Ordinances on Timber Harvesting in St. Tammany Parish
   J.E. Henderson, T.M. Willson, M.A. Dunn, R.F. Kazmierczak, Jr., LSU
AGRICULTURAL ECONOMICS

2. The Impacts of Alternative Institutions on Distributional and Environmental Efficiency in Environmental Programs
   V. Buller, D. Hudson, Mississippi State University

3. Use of Bootstrap Method to Obtain Reliable Parameter Estimations on a Travel Cost Demand Model
   N. Devkota, K.P. Paudel, R.H. Caffey, L. Hall, LSU

4. A Double-Hurdle Model of Preferences for a Proposed Capacity Reduction Program in the Atlantic Shark Fishery
   Jessica Musengezi, Fred Rossi, Sherry Larkin, University of Florida

Tuesday 3:15 p.m. - 5 p.m.
Selected Papers 20
Venice

Title: Food Safety and Quality
Moderator: Jayson L. Lusk, Oklahoma State University

1. Influence of Risk/Benefit Perceptions on Willingness-to-Pay (WTP) for Genetically Modified (GM) Foods
   Jae-Hwan Han, R. Wes Harrison, LSU

2. Household Perceptions of the Quality of Drinking Water in Uganda
   James O. Bukenya, Alabama A&M University

3. Economic Impacts of Red Tide on Restaurant Sales
   Kimberly L. Morgan, Sherry L. Larkin, University of Florida

4. The Economics of Eating Fresh Fruits and Vegetables: Recognizing Discernible Patterns for Obesity Differences among Lower- and Higher-Income Consumers
   Eugene Jones, Ohio State University

Tuesday 3:15 p.m. - 5 p.m.
Selected Papers 21
Palms Ballroom, Salon H

Title: Crop Insurance, Farm Workers and Farm Size
Moderator: Lucas D. Parch, The Univ of Arkansas

AGRICULTURAL ECONOMICS

1. Crop Insurance Adoption: Evaluating Yield Insurance Options Based on Sparse Data and Attitudes Toward Risk
   Keith D. Schumann, James W. Richardson, Texas A&M University

2. Testing the Efficiency of an Alternative Crop Index Insurance Product Based on an Agronomy Simulation Model
   Xiaohui Deng, California State University-Fresno; Barry J. Barnett, Yingzhuo Yu, Axel Garcia, Gerrit Hoogenboom, University of Georgia

3. The U.S. Farm Labor Market Post-IRCA: An Assessment of Farm Worker Earnings, Employment Patterns and Legal Status
   Lurleen M. Walters, Orachos Napasintuwong, Nobuyuki Iwai, Robert D. Emerson, University of Florida

4. Evaluating Differences in the Rate of Return on Assets Across Farm Size and Commodities
   George M. Knapek, J. Marc Raulston, Joe L. Outlaw, James W. Richardson, David P. Anderson, James D. Sartwelle, III, Texas A&M University

Tuesday 3:15 p.m. - 5 p.m.
Selected Papers 22
Coquina

Title: Competitive Advantage, Marketing Strategies and Economic Analysis
Moderator: Kim Anderson, Oklahoma State University

1. The "Phantom Costs" of Florida's Citrus Industry
   Ronald P. Muraro, Fritz M. Rika, Thomas H. Spreen, University of Florida

2. The Viability of a Farmer-Owned Crop Insurance Investment Account
   Delton C. Gerloff, University of Tennessee

3. Evaluation of Alternative Beef Cow Marketing Strategies
   Curt R. Lacy, University of Georgia

4. Economic Analysis and Impact of Sod Production in Texas
   Lawrence L. Falconer, Sarah McMahon, Texas A&M University
Title: Farm Production Efficiency
Moderator: Stan Spurlock, Mississippi State University

1. Risk Efficient Strategies for Using Winter Wheat Pasture
   Karen W. Taylor, Francis M. Epplin, Oklahoma State University

2. Economically Feasible Crop Production Alternatives to Peanuts in Southwestern Oklahoma
   Shankar Devkota, Rodney Holcomb, Merritt Taylor, Francis Epplin, Oklahoma State University

3. Optimal Irrigation Schedules and Estimation of Corn Yield under Varying Well Capacities and Soil Moisture Levels in Western Kansas
   Sreedhar Upendram, Jeffrey Peterson, Kansas State University

4. Sources of Farm Inefficiency in Kansas Farms
   Orlen Grunewald, Monica Lopez Andreu, Kansas State University

Tuesday 3:15 p.m. - 5 p.m.
Selected Papers 23
Palms Ballroom, Salon B

Title: Policy Analysis and Current Issues
Moderator: James A. Larson, The Univ of Tennessee

1. How Will Tobacco Farmers Respond to the Quota Buyout? Findings from a Survey of North Carolina Tobacco Farmers
   Robert H. Beach, Research Triangle Institute; David Richmond, Wake Forest University; W. David Austin, Research Triangle Institute; Alison Snow Jones, Wake Forest University

2. Urban Influence on Costs of Production in Selected Regions: A Frontier Approach
   Richard Nehring, David Banker, Vince Breneman, ERS-USDA

3. Who is Willing to Pay to Keep Livestock Production Away?
   Philip R. Eberle, C. Matthew Rendleman, William C. Peterson, Southern Illinois University

Tuesday 3:15 p.m. - 5 p.m.
Selected Papers 24
Cocoa

Title: Economic Optimization of Groundwater Resources in the Texas Panhandle
Lal K. Almas, W. Arden Colette, Seong C. Park, West Texas A&M University

Tuesday 3:15 p.m. - 5 p.m.
Selected Papers 25
Clearwater

Title: Agribusiness, Food Security and Rural Community
Moderator: Dan Rainey, The University of Arkansas

1. Innovation and Entrepreneurship in Rural Communities: Early Business Survival Challenges for the Agribusiness Entrepreneur
   Cesar L. Escalante, University of Georgia; Calum G. Turvey, Cornell University

2. An Analysis of the Relationship between Demographics and Food Security
   Jermisha Johnson, Gerald Whelelock, Alabama A&M University

3. Measuring the Impacts of Small Farms and Community Development Linkages in Selected Rural Counties
   Albert Myles, Albert Allen, Mississippi State University

4. Repayment Capacity among Smallholders Fish Farmers in Kenya
   Aloyce R. Kaliba, University of Arkansas at Pine Bluff

Tuesday 3:15 p.m. - 5 p.m.
Selected Papers 26
Citrus Ballroom - Lemon

Title: Market Structure and Access in the Wine, Produce and Livestock Industries
Moderator: Y. Kunimitsu, National Institute for Rural Engineering, Tsukuba, Japan

1. Switching of Wine Juice Production Methods: An Application to the Indiana Wine Market
   Whitney Oliver Peake, Brian C. Briggeman, Purdue University
2. Industry Concentration Impacts on Business Strategies Used by Small Produce Wholesalers  
Roger A. Hinson, LSU; Ramona Sihoha, Dixie Watts Reaves, Virginia Polytechnic Institute and State University

3. Modeling Live-Cattle Supply with Spot and Futures Prices  
James E. Epperson, Zhang Fen, Jack E. Houston, University of Georgia

4. Meat Processing in North America: Successes, Failures and Opportunities  
Derek Brewin, Vahid Omidvar, University of Manitoba

Title: Market Planning and Analysis  
Moderator: Steve Martinez, ERS-USDA

1. Planning an Expansion of Blueberry Production by Southern Growers  
Wojciech J. Florkowski, University of Georgia; Abdulbaki Bilgic, Harran University

Scott W. Fausti, Matt Diersen, Bashir Qasmi, South Dakota State University

3. Long-Term Valuation of Value Added Products: A Product Life-Cycle Approach  
Haluk Gedikoglu, Joe L. Parcell, David J. Patterson, Richard Randle, Jim Kimbrough, University of Missouri

4. A Niche Market for Sweet Potatoes – Specialty Packs to the United Kingdom  
Roger A. Hinson, LSU

Wednesday 8 a.m. - 9:45 a.m.
Selected Papers 27  
Paradise

Title: Agricultural Prices  
Moderator: Stan Daberkow, ERS-USDA

1. Relationship Between Inflation for Prices Paid on Prices Received by Farmers  
Jody L. Campiche, Henry L. Bryant, James W. Richardson, Joe L. Outlaw, Texas A&M University

2. Impact of Fuel Price Increases on Texas Crops  
Chris R. Eggerman, James W. Richardson, Joe L. Outlaw, Texas A&M University

3. Geographic and Seasonal Differences in the Effectiveness of Feeder Cattle Hedging  
William K. Brake, John D. Anderson, Brian K. Coffey, Mississippi State University

Matias G. Nardi, Todd D. Davis, Clemson; Curt Lacy, University of Georgia; Walter Prevatt, Auburn; Timothy D. Hewitt, University of Florida

Wednesday 8 a.m. - 9:45 a.m.
Selected Papers 29  
Venice

Title: Forestry: Climatic Effects and Carbon Sequestration  
Moderator: Brandon David, Mississippi State University

1. The Optimal Single Forest Rotation under Climatic Fluctuation Effect  
H. Jia, University of Kentucky
2. Analysis of Potential Carbon Sequestration and Revenue from Timber and Carbon Credits for Landowners of Abandoned Mine Lands
   C. Bouquot, M. Sperow, West Virginia University

3. A Risk Analysis of Carbon Sequestration in Claypan Soil
   J.R. Williams, D.L. Pendell, D.W. Sweeney, Kansas State University

Wednesday 8 a.m. - 9:45 a.m.
Selected Papers 30
Palms Ballroom, Salon H

Title: Livestock Economics
Moderator: James Trapp, Oklahoma State University

1. Factors Influencing the Adoption of Russian Varroa-Resistant Honey Bees
   Seon-Ae Kim, John V. Westra, Jeffrey M. Gillespie, LSU

2. Financial Impacts of Regional Differences in Beef Cattle Operations
   James. D. Sartwelle III, Joe L. Outlaw, James W. Richardson, Texas A&M University

3. Economic Returns to Different Stocking Rates for Cattle on Ryegrass under Contract Grazing and Traditional Ownership
   Jose-Luis Zaragoza-Ramire, Chapingo University, Texcoco; David Bransby, Patricia A. Duffy, Auburn

4. Willingness to Accept Payment to Participate in Dairy Programs to Reduce Manure Related Problems in Louisiana’s Major Dairy Production Region
   Wayne M. Gauthier, Krishna P. Paudel, Larry M. Hall, John V. Westra, LSU

Wednesday 8 a.m. - 9:45 a.m.
Selected Papers 31
Coquina

Title: Ethanol, Economic and Cost Analysis
Moderator: K.P. Paudel, LSU

1. Ethanol Pricing: Explanations and Interrelationships
   L.M. Higgins, H.L. Bryant, J.L. Outlaw, J.W. Richardson, Texas A&M University

2. Macro Economic Impacts of Installing Rice Husk Electricity Power Plants in Thailand
   Y. Kunimitsu, National Institute for Rural Engineering, Tsukuba City

3. Economic Analysis of Solid-Set Sprinklers to Control Dust in Feedlots
   S.H. Amosson, B. Guerrero, L.K. Almas, Texas A&M University

4. Engineering Cost Analysis of a Dairy Anaerobic Digestive System: A Real Option Approach
   Brandon Davis, Mississippi State University

Wednesday 8 a.m. - 9:45 a.m.
Selected Papers 32
Palms Ballroom, Salon B

Title: Fuel, Transportation Efficiency and Agribusiness
Moderator: Joe Outlaw, Texas A&M University

1. Impact of Entry and Exit on Agribusiness-Trucking Industry Efficiency: A Panel Stochastic Frontier Analysis
   Albert Allen, Saleem Shaik, Mississippi State University

2. Impact of September 11, 2001 on the Profitability Performance of the U.S. Trucking Industry
   Safdar Muhammad, Albert Allen, Saleem Shaik, Mississippi State University

3. The Effect of Ethanol Production on Agricultural Production in the State of Alabama
   Ellene Kebede, Tuskegee Institute; Patricia A. Duffy, Auburn; Robert Zabawa, Tuskegee Institute

Wednesday 8 a.m. - 9:45 a.m.
Selected Papers 33
Citrus Ballrooms - Lemon

Title: Farm Programs and Current Issues
Moderator: Francis Epplin, Oklahoma State University

1. Farm Programs and Agriculture Land Value: Case of Southern Agriculture
   Saleem Shaik, Mississippi State University
2. **Will the Mississippi and Louisiana Dairy Industry Survive Hurricane Katrina?**
   Cary Herndon, Mississippi State University

3. **Economic Impacts of the Green Industry in the United States**
   Charles R. Hall, Alan W. Hodges, John J. Haydu, University of Tennessee

4. **An Optimization Model for Winery Capacity Use**
   Kolympiris Christos, University of Missouri; Michael R. Thomsen and Justin R. Morris, University of Arkansas

**Wednesday 8 a.m. - 9:15 a.m.**
*Selected Papers 34*
*Citrus Ballrooms - Lime*

**Title:** Issues in Meat Demand
**Moderator:** B. Wade Brorsen, Oklahoma State University

1. **A Dynamic Approach to Estimate Theoretically Consistent US Meat Demand System**
   Sulgham Anil, Hector O. Zapata, LSU

2. **Consumer Demand for a Ban on Antibiotic Drug Use in Pork Production**
   Jayson L. Lusk, Bailey Norwood, Ross Pruitt, Oklahoma State University

3. **Testing Separability Between Import and Domestic Commodities: Application to U.S. Meat Demand in a Dynamic Model**
   Tullaya Boonsaeng, Michael K. Wohlgenant, North Carolina State University

4. **Value Added to the Beef Cattle Chain Through Genetic Management**
   J. Robertson, J. Parcell, D. Patterson, R. Plain, University of Missouri

**Wednesday 8 a.m. - 9:15 a.m.**
*Selected papers 35*
*Cocoa*

**Title:** Water Quality, Use, and Policy
**Moderator:** Harjanto Djunaidi, Middle Tennessee State University

1. **Cost-Effectiveness of Alternative Environmental Policies for Reducing Non-Point Source Pollution in Public Water Supplies**
   E.B. Mafoua-Koukebene, State University of New York; R.H. Hornbaker, University of Illinois

2. **Water Policy Alternatives for the Southern Ogallala Aquifer**
   E. Wheeler, E. Segarra, P. Johnson, D. Willis, J. Johnson, Texas Tech University

3. **Effect of Water Price on the Multicrop Production Decision: Applying Fixed Allocatable Input Model in Georgia**
   Y. Yu, J. Mullen, G. Hoogenboom, University of Georgia

4. **Combating the Crisis: Managing Watersheds for Economic Profit and Environmental Quality Improvement**
   G. Rodriguez, J. Popp, University of Arkansas
Southern Region Conference of the American Association for AGRICULTURAL EDUCATION

Hosted by The Tennessee Agricultural Education Programs

February 4-8, 2006 – Orlando, Florida The Wyndham Orlando Resort

Southern Region Agricultural Education Division officers
President and Conference Chair: Randol Waters, University of Tennessee
Research Meeting Chair: Carrie Fritz, University of Tennessee
Vice-President: Tom Dobbins, Clemson University
Secretary: Antoine Alston, North Carolina A & T University

Southern Region American Association for Agricultural Education (AAAE) Officers
Vice-President: James Smith, Texas Tech University
Alternate Vice-President: Adam Kantrovich, Morehead State University
Secretary: Randol Waters, University of Tennessee

Saturday, February 4

4:00 – 7:00 p.m. - Registration
Tennessee Agricultural Education Hotel Lobby

7:00 p.m. - SIG Roundtables
Lime

Special Interest Group Roundtable Discussions
Chair: Kirk Swortzel
Facilitators: Shannon Washburn, Carrie Fritz, and John Ricketts

Sunday, February 5

8:00 a.m. - Registration –
Tennessee Agricultural Education Palms Ballroom Foyer

AGRICULTURAL EDUCATION

9:00 a.m. - Joint Agricultural Education and Agricultural Communications Vespers Service
Palms Ballroom Salon G

10:00 a.m. - Opening Session
Palms Ballroom Salon G
Presiding: Randol Waters and Carrie Fritz, University of Tennessee
Remarks: James Smith, Southern Region Vice-President, AAAE; and Tom Dobbins, SAAS Division Vice-President (Outstanding Paper Selection)
Facilitators: Gary Wingenbach, Texas A&M University; Rick Rudd, University of Florida; and Robin Peiter, University of Kentucky

10:30 a.m. - Concurrent Research Session I

Session A: Technology and Distance Education
Palms Ballroom Salon G
Chair: Robin Horstmeier, University of Kentucky
Discussant: Kim Dooley, Texas A&M University
Facilitator: Ann DeLay, University of Florida

1. Impacts of an audience response system on student achievement in high school agriscience classes- John Conoley, East Carolina University; Barry Croom, Gary Moore, and James L. Flowers, North Carolina State University

2. Determining the effects of computer-animated instruction upon cognition of high school students- Don Edgar, Texas A&M University

3. Instructor perceptions of communication in on-line courses- Rusty Miller & Ryan G. Anderson, Virginia Tech

4. Sources for learning about information technology careers and personal influences on the use of information technologies: A longitudinal study-Kirk Swortzel, Jacquelyn P. Deeds, and Walter N. Taylor, Mississippi State University

Session B: Program and Professional Development
Tangerine B
Chair: Scott Burris, Texas Tech University
Discussant: Matt Baker, Texas Tech University
Facilitator: Wendy Warner, University of Florida
AGRICULTURAL EDUCATION

1. Inservice delivery: Methods preferred by Georgia agriculture teachers- John Uesseler, John C. Ricketts, Dennis W. Duncan, and Jason B. Peake, University of Georgia

2. Inservice needs of beginning agriculture teachers- James Dyer and Shannon G. Washburn, University of Florida

3. Total program efficacy: A comparison of traditionally and alternative certified agriculture teachers- Dennis Duncan and John C. Ricketts, University of Georgia

4. Research capacity in agricultural education- Ed Osborne and Brian E. Myers, University of Florida

Session C: - Teacher Education
Palms Ballroom Salon H
Chair: Craig Edwards, Oklahoma State University
Discussant: Grady Roberts, Texas A&M University
Facilitator: Nick Fuhrman, University of Florida

1. A case study of women’s experiences in secondary agricultural education: Overcoming sexism with self-Kathleen Kelsey, Oklahoma State University

2. Have high school agricultural education teachers adjusted to block scheduling?- Elizabeth Wilson, Sarah Looney, and Kristin Stair, North Carolina State University

3. Female agriculture educators in Georgia- John C. Ricketts, University of Georgia; Rhonda Stone, Coffee County High School; Elaine Adams, University of Georgia

4. Walk the talk: Factors related to the motivation of teachers to conduct the SAE component of the high school agricultural education program- Elizabeth Wilson and Gary Moore, North Carolina State University

12:00 p.m. – Graduate Student Luncheon
Lemon
Graduate Students and Invited Guests
Chair: Carrie Fritz

Lunch for Remainder of Membership
(On Your Own)

AGRICULTURAL EDUCATION

1:15 p.m. - AAAE Regional Committee Meetings

Professional Development Committee
Palms Ballroom Salon G
Chair: Kirk Swortzel (5/06)
Members: Shannon Washburn (5/06); Carrie Fritz (5/07) and John Ricketts (5/07)

Program Improvement Committee*
Tangerine B
Chair: Robin Peiter (5/06)
Members: Jim Leising (5/06), Dennis Duncan (5/07) and Chanda Elbert (5/07)

Research Committee*
Palms Ballroom Salon H
Chair: Todd Bashears (5/07)
Members: Craig Edwards (5/06), Jim Dyer (5/06), and Barry Boyd (5/07)

Member Services Committee*
Coquina
Chair: Dwayne Cartmell (5/06)
Members: Adam Kantrobich (5/06), Jerry Gibson (5/07), Kim Dooley (5/07), and Tracy Rutherford (5/07)

Resolutions Committee
Meet in Hotel Room
Chair: (Not a Standing Committee. Appointed at conference by Regional VP)

2:00 p.m. - SAAS Board of Directors Meeting
Executive Board Room
(Randol Waters, Tom Dobbins, Antoine Alston, and Joe Kotrlik)

2:30 p.m. - Break
Palms Ballroom Salon E

2:30 p.m. – Research and Innovative Ideas Posters
Palms Ballroom Salon E
Sessions Running Concurrently
Chair: Robin Peiter

Research Posters

An Assessment of Females in Agriculture Science:
An FFA Perspective - CherRhonda M. Hollins, Chanda D. Elbert & Alvin Larke, Jr., Texas A&M University
AGRICULTURAL EDUCATION

Research Posters (continued):

A Determination of Kentucky’s Teacher Demand in Secondary Agricultural Education - Kate Woglom, Jay Morgan & Brian Parr, Murray State University; Robin Peiter Horstmeier & Tracy Kitchel, University of Kentucky; Adam Kantrovich, Morehead State University; David Coffey, Western Kentucky University

Industry Perceptions of The Effectiveness of Microwaves for Post-Harvest Food Safety in Eggs - Lacey Quebe, Todd Brashears, Christine Alvarado & Mindy Brashears, Texas Tech University

Gender Differences in Addressing Critical Needs of The Texas Agricultural Leadership Curriculum - Stacy Stockard, Todd Brashears & Steve Fraze, Texas Tech University

Career Interest in Agriculture of the 2004 Class of The Virginia Governor’s School for Agriculture - Ryan Anderson & John Cannon, Virginia Polytechnic Institute & State University

Authorship in the Journal of Agricultural Education From 1996 To 2005 - Amy Harder & T. Grady Roberts, Texas A&M University

Front-Line Disaster Responders: The Needs of Florida’s County Extension Professionals - Mark J. Kistler, Nick T. Place, Tracy A. Irani & Ricky W. Telg, University of Florida

Maximizing Students Quality of Life by Utilizing Career Development Events - John H. (Rusty) Miller, Andy Seibel & Ryan Anderson, Virginia Polytechnic Institute & State University

Using the NSF GK-12 Program Model to Increase Technological Competencies of Agriscience Teachers - Diana L. Mowen, Shannon H. Degenhart, Julie F. Harlin, James R. Lindner, Gary J. Wingenbach & Larry Johnson, Texas A&M University

There is No Need to Fret; It is Safe to Pet! Understanding Public Knowledge of Petting Zoo Safety - Moriah Jennings, John Rayfield, Janice Boyce, Scott Burris, Todd Brashears & Mindy Brashears, Texas Tech University

AGRICULTURAL EDUCATION

Research Posters (continued):

Processes To Develop an Agricultural Science Curriculum at Messiah Theological Institute at Mbale, Uganda - Thomas Kipkurgat, John Kessell, David Lawver, Matt Baker & Sussie Bullock, Texas Tech University

Help!! I Can’t Do It All - Marshall Swafford, G. Andrew Seibel & Thomas W. Broyles, Virginia Polytechnic Institute & State University

Agricultural Education Teachers Cannot Be an Army of One - Marshall Swafford, G. Andrew Seibel & Thomas W. Broyles, Virginia Polytechnic Institute & State University

Pre-Service Agriculture Teachers’ Sense of Teacher Efficacy at Two Large Universities - Christopher Stripling & John C. Ricketts, University of Georgia; Grady Roberts, Texas A&M University


The Beef Baccalaureate - Karin Fritz, Todd Brashears & Scott Burris, Texas Tech University

The Value of Self Reflection Through The Use of DVD Recording - Elizabeth Wilson & Joy E. Wilson, North Carolina State University

Using High School Academic Variables to Predict GSP Test Scores of Entering Agricultural Communications Students - Lindsay West, Kim Cooper & Chad Davis, Texas Tech University

Innovative Ideas Posters

Recruitment and Retention of Students of Color In The College of Agriculture - D. Harris, C. Elbert & M. Piña, Texas A&M University

Bridging the Gap: Providing Contextual Mathematical Instruction to Post-Secondary Agriculture Majors - Brian Parr & Jay Morgan, Murray State University

Joining the Ranks: Rank I Certification In Administration With Career And Technical Education - Christina Bowles, Julie Murphy, Robin Peiter Horstmeier & Tracy Kitchel, University of Kentucky
Innovative Ideas Posters (continued):

Building Partnerships To Better Prepare Students For Student Teaching And Service as Agricultural Science Teachers - Diana L. Mowen, Gary E. Briers, Julie F. Harlin, T. Grady Roberts & Alvin Larke Jr., Texas A&M University

Alternative Teacher Certification Program - Katy Groseta, Brian E. Myers, James E. Dyer & Shannon G. Washburn, University of Florida

Ag Mechanics Institute – Agricultural Structures Module: Nailing Down Experiential and Cooperative Learning - R. Brent Young & Jon W. Ramsey, Oklahoma State University

The Rise And Fall of Tobacco In A Small Community: Implementing A Cross-Curricular Student Research Agenda - K. Dale Layfield, Karen C. Hall & Barbara J. Speziale, Clemson University; Patricia M. Chandler, Florence County School District #3

Greenhouse Management For Teachers: A Contextual Teaching Methods Course - John C. Ricketts, Dennis Duncan & Paul Thomas, University of Georgia; Teri Hamlin, Georgia Department of Education

Student Networking: A Fundamental Ingredient of Program Success - René P. Miller & Leslie D. Jenkins-Mckendrick, Texas A&M University/Texas Tech University; Theresa Pesl Murphrey, Texas A&M University

A Compact Precision Agriculture Sprayer For Use In University And Extension Educational Programs: Aaron Dickinson, Donald M. Johnson & George W. Wardlow, University of Arkansas

Teacher For A Day: Student Recruitment With A Different Twist - Kirk A. Swortzel, Jacquelyn P. Deeds & Walter N. Taylor, Mississippi State University

The Value of Water: Educational Programming to Maximize Profitability and Decrease Water Consumption - Matt Norton, Pamela Miller & David Doerfert, Texas Tech University

4:00 p.m. - SAAS General Session
Orange and Lemon
"The Future of Animal Agriculture in North America"

6:30 - 8:30 p.m. - SAAS Reception
East Pool Pavilion

Monday, February 6

7:30 a.m. - Registration
Tennessee Agricultural Education
Palms Ballroom Foyer

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

Session D: Student Teaching
Tangerine B
Chair: Penny Haase-Witler, Southern Arkansas University
Discussant: Jim Dyer, University of Florida
Facilitator: David Jones, University of Florida

1. Important elements of the student teaching experience in agricultural education: A comparison of cooperating teachers' and student teachers' perceptions- Brent Young and M. Craig Edwards, Oklahoma State University

2. Changes in student teacher perceptions of the student teacher-cooperating teacher relationship throughout the student teaching semester- Holly Kasperbauer and T. Grady Roberts, Texas A&M University

3. The influence of the relationship between the student teacher and cooperating teacher on the student teacher's decision to enter teaching- Holly Kasperbauer and T. Grady Roberts, Texas A&M University

4. Gender differences in student teacher-cooperating teacher interaction-Tracy Kitchel, University of Kentucky

Session E: Extension Programs and Personnel
Palms Ballroom Salon H
Chair: Dennis Duncan, University of Georgia
Discussant: Ed Osborne, University of Florida
Facilitator: Ryan Anderson, Virginia Tech
AGRICULTURAL EDUCATION

1. Leadership expectations of county Farm Bureau board members- Hannah Carter and Rick D. Rudd, University of Florida

2. Social barriers perceived by women small-scale agricultural producers- Jefferson Miller, Elizabeth J. Maeda, and George W. Wardlow, University of Arkansas

3. Factors influencing public school administrators’-William Weeks, Oklahoma State University

4. Emotional intelligence of state 4-H leadership youth in Mississippi- Jacquelyn Deeds and Amber Schmidt Watts, Mississippi State University

Session F: Leadership and Youth Development
Tangerine A
Chair: Shannon Washburn, University of Florida
Discussant: Brian Meyers, University of Florida
Facilitator: Stacy Stockard, Texas Tech University

1. Student project teams: Understanding team process through an examination of leadership and team culture- Penny Pennington and Kathleen Kelsey, Oklahoma State University

2. Leadership context and role of rural FFA members in the southern region- Robin Horstmeier, University of Kentucky

3. Factors that influence the decision to participate in youth leadership development opportunities in rural high schools in three southern states- John Rayfield, Kirsten Compton, David Doerfert, Steve Fraze, Chad Davis, and Cindy Akers, Texas Tech University

4. Graduate fellows in the classroom: Middle school students’ STEM beliefs and interests- Shannon Degenhart, Gary J. Wingenbach, and James R. Lindner, Texas A&M University

10:00 a.m. - Break

10:30 a.m. - Concurrent Research Session III

Session G: Agriscience and Urban Agriculture
Tangerine B
Chair: Jay Morgan, Murray State University
Discussant: Gary Moore, North Carolina State University
Facilitator: Moriah Jennings, Texas Tech University

1. Competencies and traits of successful agricultural science teachers- Grady Roberts, Julie F. Harlin, Kim E. Dooley, and Theresa P. Murphrey, Texas A&M University

2. Issues facing urban agriscience teachers: A Delphi study- Wendy Warner and Shannon G. Washburn, University of Florida

3. Agricultural literacy of urban/suburban & rural twelfth grade students in five Illinois high schools- Seburn Pense, Southern Illinois University; Jessica Beebe, Kansas State University; James G. Leising, Oklahoma State University; Dexter B Wakefield, Southern Illinois University; Richard W. Steffen, Southern Illinois University

4. The use and design of lab instruction in secondary agriscience classrooms- Wendy Warner, Shannon Arnold, David Jones, and Brian Myers, University of Florida

Session H: Instructional Methods and Resources
Palms Ballroom Salon H
Chair: John Ricketts, University of Georgia
Discussant: David Lawver, Texas Tech University
Facilitator: Lacey Durham, Texas Tech University

1. Attitudes of secondary agricultural science and biology/business students toward information technology: A longitudinal study- Kirk Swortzel, Jacquelyn P. Deeds, and Walter N. Taylor, Mississippi State University

2. Assessment of references to agriculture in a middle grade science textbook- Marshall Swafford, Virginia Tech; Robert Terry, Jr., University of Missouri

3. Does curriculum integration intervention to improve the mathematics- achievement of students diminish their acquisition of technical competence: An experimental study in agricultural mechanics- Brian Parr, Murray State University; M. Craig Edwards and James Leising, Oklahoma State University

4. Therapeutic riding: An educational tool for children with disabilities as viewed by teachers- Rusty Miller, Virginia Tech; Antoine J. Alston, North Carolina A&T State University
AGRICULTURAL EDUCATION

Session I: Learning Styles and Learning
Tangerine A

Chair: Tracy Kitchel, University of Kentucky
Discussant: Jim Leising, Oklahoma State University
Facilitator: Karin Fritz, Texas Tech University

1. Experiential learning in secondary agricultural education classrooms- Shannon Arnold, Wendy J. Warner, and Edward W. Osborne, University of Florida

2. An Investigation of the critical thinking ability of secondary agriculture students- Scott Burris, Texas Tech University; Bryan Garton, University of Missouri

3. Influence of overtly teaching for critical thinking on critical thinking skills of undergraduates in a College of Agriculture- Curt Friedel, Tracy Irani, Rick Rudd, Maria Gallo, and Erin Eckhardt, University of Florida

4. Factors influencing gifted and talented students’ college decisions- John Cannon, Thomas W. Broyles, and John H. Hillison, Virginia Tech

12:00 p.m. - Conference Luncheon
Palms Ballroom Salon F/G
Presiding: Adam Kantrovich, Southern Region AAAE Alternative Vice-President

Moment of Silence
Memorial Recognitions
Graduate Student Recognitions
Speaker: Distinguished Mystery Lecturer

1:30 p.m. - AAAE-SRC Business Meeting
Tangerine A
Presiding: James Smith, Texas Tech University, Southern Region AAAE Vice-President
Remarks: Randol Waters, University of Tennessee, SAAS Agricultural Education Division President and Conference Chair

2:45 p.m. – Break

3:15 – 4:45 p.m. - Professional Development Seminar
Tangerine A
Chair: Kirk Swortzel, Mississippi State University
Chair, AAAE Southern Region Professional Development Committee
Facilitators: Shannon Washburn, Carrie Fritz and John Ricketts

5:30 p.m. - Awards Dinner
Palms Ballroom Salon C/D
Presiding: James Smith, Texas Tech University, Southern Region AAAE Vice-President; and Randol Waters, University of Tennessee, SAAS Agricultural Education Division President and Conference Chair

S-AAAЕ Meeting Adjourns after Dinner

Tuesday, February 7

7:30 a.m. - SAAS Board of Directors Meeting
Oleander B
(Randol Waters, Tom Dobbins, Antoine Alston and Joe Kotrlik)
1 Heat Stress on Physiology and Biochemistry of Diverse Cotton Germplasm. Androniki Bibi*, Derrick Oosterhuis, Evangelos Gonias and Fred Bourland, University of Arkansas

2 The Insecticide Imidacloprid Improves Cotton Growth under Heat Stress. Evangelos Gonias*, Derrick Oosterhuis and Androniki Bibi, University of Arkansas

3 St. Augustinegrass Phosphorus Requirement Using Hydroponics Culture. Min Liu*, Jerry Sartain, Laurie Trenholm, Grady Miller, Willie Harris, Peter Nkedi-Kizza and Rongling Wu, University of Florida


5 Carbohydrate Partitioning in Relationship to Lint Yield in Contrasting Cotton Cultivars. Jenny D. Clement* and C. O. Gwathmey, University of Tennessee

6 Comparative Yield and Production Cost of Canola and Winter Wheat in Alabama. Udai R. Bishnoi*, S. R. Mentreddy and Ernst Cebert, Alabama A&M University

7 Utility of Microsatellite for Determining Genetic Relationships in Maize Inbred Lines. Cyrus Abdmishani*, Fatemeh Dehghan-Nayeri and Bahman yazdi-Samadi, College of Agriculture, University of Tehran

8 Growth Response of the Invasive Weed Tropical Spiderwort to Elevated Atmospheric CO₂. Stephen A. Prior¹, Andrew J. Price¹, G. Brett Runion, Hugo H. Rogers¹, Dean H. Gjersato² and H. Allen Torbert¹, (1)USDA-ARS National Soil Dynamics Laboratory, (2)School of Forestry and Wildlife Sciences

9 Large Plot Evaluation of Soybean Rust Control. Philip Jost*, Robert C. Kemerial Jr., Layla Sconyers and James Clark, University of Georgia

10 Effect of Plant Growth Hormones and EDTA on Lead Uptake in Sesbania drumondii Seedlings. Reyes Quintero* III, Mohd Israr and Shivendra Sahi, Department of Biology, Western Kentucky University

11 Vinegar as a Contact Herbicide: Application Volume and Adjuvants. Charles L. Webber* III, USDA, ARS, SCARL and James W. Shrefler, Oklahoma State University

12 Pelargonic Acid as a Contact Herbicide: Concentrations, Adjuvants, and Application Timing. Charles L. Webber* III, USDA, ARS, SCARL and James W. Shrefler, Oklahoma State University


14 Effects of Chloride Irrigation Water on Soybean Excluder and Includer Cultivars. Joshua M. Dunn*, Arkansas State University and University of Arkansas and Darell Widick, Arkansas State University

15 Genetic Variation of Radiation Use Efficiency in Wheat and its Impact on Fall Forage Production. Jeffrey Edwards*, Oklahoma State University

16 Sequential Planting of Switchgrass Seed to Determine Optimal Planting Date for Establishment. Kyle B. Holmberg* and Brian S. Baldwin, Mississippi State University

17 Influence of Late Nitrogen Fertilizer Applications on Corn Grain Yield on Two Mississippi River Alluvial Soils. H. J. Mascagni* Jr., LSU AgCenter's Northeast Research Station and R. Bell, LSU AgCenter's Northeast Research Station

18 Optimal Row spacings and Plant Populations for Single and Twin Row Corn Production. Jason L. Satterwhite¹, Kipling Balkcom², Francisco J. Arriaga³, Andrew J. Price⁴ and Edvard Van Santen⁵, (1)Auburn University, (2)UDA-ARS, (3)USDA-ARS, (4)USDA-ARS National Soil Dynamics Laboratory

19 Genetic Diversity of Bahiagrass Germplasm Collected in Northern Arkansas. Byron L. Burson¹, David M. Burner¹, Russell W. Jessup¹ and K. Renganayaki¹, (1)USDA-ARS, (2)Texas A&M University

21 Early Fertilization to Enhance Root Development in Corn. Ronnie W. Heiniger*, Alan D. Meijer† and Carl R. Crozier‡, (1)Dept of Crop Science, North Carolina State University, (2)North Carolina State University Soil Science Dept.

22 Cover Crop Affects Nitrogen Response of Pearl Millet Grain Production in a Strip-Till System. Andrea L. Maas*, USDA-ARS and Wayne Hanna, University of Georgia

23 Genetic Structure of Natural Populations of Imperata cylindrica, an Invasive Clonal Species of the Southeastern United States. Ludovic J.A. Capo-Chichi* and Edzard van Santen, Auburn University

24 Inter- and Intra-Population Genetics of Imperata sp. Jason C. White*, Ludovic J.A. Capo-chichi and Edzard van Santen, Auburn University

25 Effect of the Concentration of Chipped Bark in Sawdust Substrate on Crude Polysaccharide Extract and Lentinan Content of Shiitake Mushrooms. Ramakrishna Nalagorla, Catherine Sabota* and Caula Beyl, Alabama A&M University

26 Effect of Scion vs. Rootstock on Isoflavone, Oil, Protein, and Amino Acid Levels in Seed of Grafted Soybean [Glycine max (L.) Merr.] Plants. Richard Johnson*, Craig Charron‡, Carl Sams¹ and Fred Allen¹, (1)University of Tennessee, (2)USDA-ARS

### Soils Posters

#### 3:00 PM-6:00 PM

Wyndham Orlando Resort, Palms Ballroom Salon E, First Floor

27 Determination of Bioavailable Nitrogen and Phosphorus from Broiler Litter. W. Ashley Hammac* II, C. Wesley Wood, Yuchen Feng, Oladiran Fasina, Joey Shaw and Brenda Wood, Auburn University

28 The Role of Soil Phosphorus in South Florida Agricultural and Natural Ecosystems. Yuncong Li*, Tropical Research and Education Center/University of Florida

29 Mowing and Nitrogen Source Effects on Ammonia Volatilization from Fertilizers Applied to Turfgrass. Ellen C. Knight*, C. Wesley Wood and Elizabeth Guertal, Auburn University

### AGRONOMY

21 Early Fertilization to Enhance Root Development in Corn. Ronnie W. Heiniger*, Alan D. Meijer† and Carl R. Crozier‡, (1)Dept of Crop Science, North Carolina State University, (2)North Carolina State University Soil Science Dept.

### AGRONOMY

30 Long-Term Effects of Tillage and Manure Application on Soil Carbon and Nitrogen Mineralization. Dexter Watts*, H. Allen Torbert and Steven Prior, USDA-ARS National Soil Dynamics Laboratory

31 OpenAg.Info: A Geospatial Technologies and Precision Agriculture Education Initiative. Jared D. Williams*, David A. Crouse and Rob E. Austin, North Carolina State University

32 Effects of Soil Management and Landscape Factors on Greenhouse Gas Emissions. Catherine N. Gacengo*, C. Wesley Wood¹, Joey N. Shaw¹, Kipling S. Balkcom² and Randy Raper², (1)Department of Agronomy and Soils, (2)USDA-ARS

33 Persistence of Bifenthrin and Chlorpyrifos in Nursery Soils. Sam O. Dennis*, Jason Oliver, Desh Duseja and Peter Nveawiah-Yoho, Tennessee State University

### SAAS Opening Session

4:00-6:00 PM

Wyndham Orlando Resort, Orange and Lemon "The Future of Animal Agriculture in North America"

### SAAS Reception

6:30 PM - till

Wyndham Orlando Resort, East Pool Pavilion

#### Monday, 6 February 2006

### Crops--Forages/Grasses

Wyndham Orlando Resort, Jasmine Room, First Floor

Presiding: John P. Beasley Jr., University of Georgia

8:30 AM Opening Remarks. Daren Redfearn*, Oklahoma State University

8:45 AM Leaf Fatty Acid Profiles of Bahiagrass Clones During Fall Regrowth in North Florida.Jacque W. Bremann*, George Person², Ann Blount² and K. H. Quesenberry³, (1)Union County Extension Office, (2)University of Florida, (3)Agronomy Department

9:00 AM Self- and Cross-Fertility of Diploid Bahiagrass. Carlos A. Acuña*, Ann Blount and Kenneth Quesenberry, University of Florida
AGRONOMY

9:15 AM Is Creeping Signalgrass an Alternative to Bahiagrass for Cow-Calf Grazing in Florida? Ike V. Ezenwa, John Arthington, Rob S. Kalmbach and Findlay M. Pate. (1)University of Florida/IFAS, (2)Range Cattle Research & Ed. Center

9:30 AM Effects of Diminishing Soil-P Status on Productivity and Quality of Warm Season Grasses. Martin B. Adjei, Johan M. Scholberg, Yoana Newman and John Rechcigl. (1)University of Florida, (2)Texas A&M University

9:45 AM Agronomic Performance of 'Kentucky 31' and Scandinavian Ecotype Tall Fescue Plants. Philip S. Shine and Tim D. Phillips, Univ. of KY, Dept. of Plant and Soil Sciences

10:00 AM Lupins, Lupins, Lupins!. Steven Noffsinger and Edzard Van Santen, Auburn University

10:15 AM Break

Soils--I
Wyndham Orlando Resort, Jasmine Room, First Floor
Presiding: C. Wesley Wood, Auburn University

10:25 AM Introductory Remarks

10:30 AM Bioavailability and Speciation of Mercury in a Soil from Oak Ridge, Tennessee, USA. Fengxiang Han, Yi Su, David L. Monts and Charles A. Waggoner. (1)Mississippi State University, (2)Diagnostic Instrumentation and Analysis Laboratory, Mississippi State University, (3)Diagnostic Instrumentation and Analysis Laboratory (DIAL), Mississippi State University

10:45 AM Influence of Applying MSMA on Soil Minerals and Properties. Wengui Yan, Nathan Slaton, James Gibbons and Richard Cartwright. (1)USDA-ARS, DB NRRC, (2)University of Arkansas

11:00 AM Growth and Copper Accumulation in Sesbania drummondii Exposed to High Concentrations of Copper. Abhishek K. Srivastava, Mohd Israr and Shivendra Sahi. (1)Western Kentucky University, (2)Western Kentucky University

11:15 AM Use of Duo festulolium in the Remediation of Phosphorus-Enriched Soils. Daniel L. Starnes, Nilesh Sharma and Shivendra Sahi. (1)Department of Biology, Western Kentucky University, (2)Western Kentucky University

11:30 AM Measuring Soil Carbon Storage Differences of Forest Ecosystems: Approaches and Challenges. Monday Mbila, Maria Nobles and Wallace Dillon Jr., Department of Plant and Soil Science, Alabama A&M University

11:45 AM Lunch

Crops--Row Crops
Wyndham Orlando Resort, Jasmine Room, First Floor
Presiding: Barry Tillman, University of Florida

12:55 PM Introductory Remarks

1:00 PM Row Spacing and Population Density Effects on Castor Seed Yield: A Preliminary Study. D. Scott Horton, Brian S. Baldwin, Kyle B. Holmberg and Justin W. Smith, Mississippi State University

1:15 PM Do Foliar Fungicides Have a Fit in Mid-South Corn Production Systems? Jason Kelley, Richard Cartwright and Steven Sheets, University of Arkansas Cooperative Extension Service

1:30 PM Determining the Relationship Between Cotton Canopy Reflectance and Plant Parameters to Predict Mepiquat Chloride Recommendations. J. Randall Nelson, North Carolina State University and Ronnie W. Heiniger, Dept of Crop Science, North Carolina State University

1:45 PM Agronomic and Economic Performance of BMP Cropping Systems. Donald Boquet, LSU AgCenter Macon Ridge Research Station and Kenneth Paxton, LSU AgCenter Dep. Agricultural Economics and Agribusiness

2:00 PM Plant Crop Sugarcane Responses to N-rate on Organic-Amended vs. Non-Amended Mineral Soils. Ike V. Ezenwa and Peter Newman, University of Florida/IFAS
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<th>Time</th>
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<tr>
<td>2:15 PM</td>
<td>Sugarcane Response to Water Table, Periodic Flood, and Foliar Nitrogen on Organic Soil. Barry Glaz*, USDA-ARS-SAA and Robert Gilbert, University of Florida</td>
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<td>2:30 PM</td>
<td>Break</td>
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<td><strong>Soils--II</strong></td>
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<td>Wyndham Orlando Resort, Jasmine Room, First Floor</td>
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<td>Presiding: Nathan Slaton, University of Arkansas</td>
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<td>2:55 PM</td>
<td>Introductory Remarks</td>
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<tr>
<td>3:00 PM</td>
<td>Oklahoma Agriculture Experiment Station Encroachment: Problems and Solutions. R. Brent Westerman*, Oklahoma State University</td>
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<tr>
<td>3:15 PM</td>
<td>Effects of Water Treatments Residuals (WTR) on Runoff and Leachate Phosphorus Losses in a Florida Sand. Olawale O. Oladeji*, George A. O’Connor and Jerry B. Sartain, Soil and Water Science Department</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Sustainability of Planted Loblolly Pine on a Remediated Brine-Contaminated Soil. Benjamin C. McNally* and Kenneth W. Farrish, Stephen F. Austin State University</td>
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<tr>
<td>3:45 PM</td>
<td>Chemical Characterization and Mineralization Rates of Selected Biosolids and Organic Wastes. Caroline B. Reis*, JERRY B. SARTAIN, Martin Adjei1, John Rechcigl1 and Craig Stanley1, (1)University of Florida, (2)Soil and Water Science Department</td>
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<td><strong>Tuesday, 7 February 2006</strong></td>
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**Soils--III**
Wyndham Orlando Resort, Jasmine Room, First Floor  
Presiding: Kipling S. Balkcom, USDA-ARS, Auburn, AL

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<th>Time</th>
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<tr>
<td>8:25 AM</td>
<td>Introductory Remarks</td>
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<tr>
<td>8:30 AM</td>
<td>Soil Science As Inquiry-Based Education in NC Elementary Schools. Dennis Osborne*, NC State University, Sam Houston, NC Science, Mathematics, and Technology Education Center and Norman Budnitz, Pratt School of Engineering, Duke University</td>
</tr>
<tr>
<td>8:45 AM</td>
<td>Transferability of NIR Soil C Measurement Techniques Across Systems. Jason P. Wight*, Fred Allen1, Nicole Labbe2 and Timothy G. Rials2, (1)University of Tennessee, (2)University of Florida, Tennessee Forestry Products Center</td>
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<tr>
<td>9:00 AM</td>
<td>Common Ragweed Response to Nitrogen, Phosphorus, and Lime. C. Wesley Wood*, H. Lee Stribling2, Brenda H. Wood1 and Steven D. Mitchell2, (1)Department of Agronomy and Soils, (2)School of Forestry and Wildlife</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>Conservation Tillage, Double Cropping and Cover Crop Effects on Soil Properties, Water Use and Crop Growth in Subtropical South Texas. Robert Wiedenfeld*, Texas Agricultural Experiment Station</td>
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<td>9:45 AM</td>
<td>Break</td>
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**Crops--Peanuts and Soybeans**
Wyndham Orlando Resort, Jasmine Room, First Floor  
Presiding: Ernest L. Clawson, LSU AgCenter, St. Joseph, LA

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<tr>
<th>Time</th>
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<tr>
<td>10:10 AM</td>
<td>Introductory Remarks</td>
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<tr>
<td>10:15 AM</td>
<td>Contribution of Temperature, Precipitation, and Solar Radiation from Dynamically Downscaled Global Climate Model Output to Predicting Peanut Yields and Phenology in the SE USA, John G. Bellow*, Dong-Wook Shin1, Justin Schoof1, James Jones2 and James J. O’Brien1, (1)Center for Ocean Atmospheric Prediction Studies, (2)University of Florida</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Poor Field Emergence of Late-Maturing Peanut Cultivars. Barry R. Morton*, Barry L. Tillman, Daniel W. Gorbet and Kenneth J. Boote, University of Florida</td>
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<tr>
<td>10:45 AM</td>
<td>Variability in Seed Size Among Peanut Genotypes in the University of Florida Peanut Breeding Program. Barry Tillman* and Daniel Gorbet, University of Florida</td>
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AGRONOMY

11:00 AM Influence of Tillage and Nitrogen Application on Canola Following Soybean and Fallow. Pawel Wiatrak*, David L. Wright, James J. Marois and Tawainga W. Katsvairo, NFREC / Univ. of Florida

11:15 AM Planting Dates for Maturity Group III and IV Soybeans in Narrow Rows. Ernest L. Clawson*, Donald J. Boquet2 and Alphonse B. Coco1, (1)LSU AgCenter, (2)LSU AgCenter Macon Ridge Research Station

11:30 AM X-ray Based Soybean Root Visualization and Characterization. Fred Allen*, Dan McDonald2, Richard Johnson1 and Ronald Michaels2, (1)University of Tennessee, (2)Phenotype Screening Corporation

11:45 AM Genetic Diversity of Large and Small Soybean Germplasm. Bo Zhang and Pengyin Chen*, Univ. of Arkansas

12:00 PM Lunch

Soils--IV
Wyndham Orlando Resort, Jasmine Room, First Floor
Presiding: M. W. Ebelhar, Mississippi State University

1:25 PM Introductory Remarks

1:30 PM Corn Yield in the Mississippi Delta as Influenced by Nitrogen and Potassium. M. W. Ebelhar* and D. R. Clark, Mississippi State University

1:45 PM Influence of PGR Application Timing on Cotton Yield in the Mississippi Delta with Different N Management. M. W. Ebelhar*, S. P. Nichols and D. R. Clark, Mississippi State University

2:00 PM Mehlich-3 Phosphorus and Potassium Correlation and Fertilizer Calibrations for Rice, Soybean, and Wheat in Arkansas - Preliminary Results. Nathan Slaton*, Russell DeLong, Richard Norman, Charles Wilson, Morteza Mozaffari and Leo Espinoza, University of Arkansas

2:15 PM Effect of Salinity on Local Desert Trees in Oman. Humphrey Esechie* and Ahmed Al-Saidi, Sultan Qaboos University

2:30 PM Southern Branch-ASA Business Meeting. Presiding: Daren Redfearn, Oklahoma State University
ANIMAL SCIENCE

Award Sponsors
2006 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 Divison
St. Joseph, MO

Young Animal Scientist – Education

Undergraduate Paper Competition

Graduate Student Awards Competition

PROGRAM EVENTS

Friday, February 3
Academic Quadrathlon (AQ)
9:00 pm: Advisor’s Meeting
Gainesville, FL

Saturday, February 4
AQ Lab Practicum
8:00 am - Noon
Gainesville, FL

AQ Written Exam
1:00 - 5:00 pm
Gainesville, FL

Sunday, February 5
AQ Quiz Bowl
8:00 am - noon
Tangerine A, Paradise

AQ Oral Presentations
8:00 am - noon
Ormond, Venice, Dayonta, Madeira

Registration
11:00 - 5:00 pm
Palms Ballroom, Foyer

ANIMAL SCIENCE

AQ Quiz Bowl Championship
& Awards Program
2:00 - 3:30 pm
Siesta/Biscayne

ARPAS Exam
3:00 - 5:00 pm
Coquina

Information Exchange Groups:
IEG-72 Enhancing Reproduction in Cattle - Rhonda Vann, President
1:00 - 4:00 pm
Clearwater

IEG-75 Strategies for Southern Forages - Gary Hill, President
1:00 - 4:00 pm
Marathon & Cedar

IEG - Small Ruminant Production
Sam Jackson, President
1:00 - 4:00 pm
Cocoa

SAAS Opening Symposium
4:00 - 6:00 pm
Citrus Ballroom, Orange/Lemon

ASAS Southern Section Advisory Committee/Executive Committee
6:00 - 8:00 pm
Coquina

Monday, February 6
Registration
7:00 am - Noon
Palms Ballroom, Foyer

ARPAS Exams
10:00 - noon
Paradise

Undergraduate Student Competition
8:00 - 10:00 am
Lime

Graduate Student Paper Competition I
10:15 am - Noon
Lime

Registration
1:00 - 4:00 pm
Palms Ballroom, Foyer

ARPAS Exams
2:00 - 4:00 pm
Ormond
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<tr>
<th>Time</th>
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<tr>
<td>1:00 - 3:15 pm</td>
<td>Lime</td>
<td>Graduate Student Paper Competition II</td>
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<td>1:00 - 2:15 pm</td>
<td>Largo</td>
<td>Breeding and Genetics</td>
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<td>1:00 - 5:00 pm</td>
<td>Orange</td>
<td>Physiology I</td>
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<td>1:00 - 4:15 p.m.</td>
<td>Siesta/Biscayne</td>
<td>Ruminant Animal Production I</td>
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<td>1:15 - 2:15 p.m.</td>
<td>Cocoa</td>
<td>Pastures and Forages I</td>
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<td>2:30 - 3:30 p.m.</td>
<td>Cocoa</td>
<td>Pastures and Forages II</td>
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<td>5:00 - 7:00 pm</td>
<td>Orange</td>
<td>Business Meeting</td>
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<td>7:00 - 9:00 pm</td>
<td>Palms Ballroom Salon B</td>
<td>Small Ruminant Subcommittee of the NAGP</td>
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<td><strong>Tuesday, February 7</strong></td>
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<tr>
<td>8:00 - noon</td>
<td>Palms Ballroom Foyer</td>
<td>Registration</td>
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<tr>
<td>8:00 - 9:30 am</td>
<td>Tangerine B</td>
<td>Meats I</td>
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<tr>
<td>8:00 - 12:15 pm</td>
<td>Siesta/Biscayne</td>
<td>Small Ruminant Production</td>
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<td>8:30 - 11:30 am</td>
<td>Orange</td>
<td>Extension I</td>
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<tr>
<td>8:30 - 11:15 am</td>
<td>Marathon &amp; Cedar</td>
<td>Physiology II</td>
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<td>Noon - 2:00 pm</td>
<td>Oleander B</td>
<td>Extension Luncheon</td>
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<td>1:00 - 5:00 pm</td>
<td>Orange</td>
<td>Meats II</td>
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**Monday, February 6**

**SYMPOSIA and ORAL SESSIONS**

**Undergraduate Student Competition**
Chair: A. Hayden Brown, University of Arkansas, Fayetteville
Monday 8:00 - 10:00 Lime

1  8:00 AM Estrus detection in gilts using digital infrared thermal imaging. D. Sykes*, A. Chromiak, S. Couvillion, P. Gerard, M. Crenshaw, S. Willard, and P. Ryan, Mississippi State University, Mississippi State.


3  8:30 AM The effect of breed type on real-time ultrasound carcass traits, performance and pelvic measurement of heifers enrolled in the Eastern Kentucky Heifer Development Program. S. Wheeler*, T. Wistuba, P. Prater, and J. Willard, Morehead State University, Morehead, KY.

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<th>Affiliations</th>
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<tr>
<td>5 9:00 AM</td>
<td>Dry matter intake and digestibility of annual and perennial cool season grasses fed to lambs as high moisture hay.</td>
<td>C. D. Farris*(^1), W. A. Phillips(^2), G. W. Horn(^1), B. K. Northup(^2), and H. S. Mayeux(^2), (^1)Oklahoma Agricultural Experiment Station, Stillwater, OK, (^2)USDA-ARS Grazinglands Research Laboratory, El Reno, OK.</td>
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<tr>
<td>7 9:30 AM</td>
<td>The use of alkanes to estimate forage intake of steers grazing either different fescue types or Lakota prairie grass.</td>
<td>S. Gregory*(^1), G. Scaglia, O. Abaye, and L. Stewart, Virginia Tech, Blacksburg, VA.</td>
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<tr>
<td>9 10:15 AM</td>
<td>Effects of age at castration and transportation stress on physiological responses of newly weaned beef calves.</td>
<td>J. S. Thurlow*(^1), M. L. Looper(^2), S. T. Reiter(^1), M. A. Lamb(^1), and C. F. Rosenkrans Jr.(^1), (^1)University of Arkansas, Fayetteville, (^2)USDA-ARS Dale Bumpers Small Farm Research Center, Booneville, AR.</td>
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<td>11 10:45 AM</td>
<td>Population dynamics of Eimeria spp in grazing beef calves in Virginia.</td>
<td>A. Lucas*(^1), W. Swecker(^1), G. Scaglia(^2), D. Lindsay(^1), F. Elvinger(^1), J. Fontenot(^2), and A. Zajac(^1), (^1)Virginia-Maryland Regional College of Veterinary Medicine, Blacksburg, VA, (^2)Virginia Tech, Blacksburg.</td>
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<tr>
<td>12 11:00 AM</td>
<td>The effects of acute restraint stress on lymphocyte proliferation and IgM production and cortisol levels in the pig.</td>
<td>N. C. Burdick*(^1), T. H. Welsh, Jr.(^2), J. A. Carroll(^3), and J. C. Laurenz(^1), (^1)Texas A&amp;M University, Kingsville, (^2)Texas A&amp;M University, College Station, (^3)USDA-ARS Livestock Issues Research Unit, Lubbock, TX.</td>
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<tr>
<td>13 11:15 AM</td>
<td>Cow and calf performance in two years on Coastal or Tifton 85 pastures with aeschynomene creep grazing.</td>
<td>V. A. Corriher*(^1), G. M. Hill(^1), J. G. Andre(^2), M. A. Froetschel(^2), and B. G. Mullinix, Jr.(^1), (^1)University of Georgia, Tifton, (^2)University of Georgia, Athens.</td>
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<tr>
<td>15 11:45 AM</td>
<td>Copper deficiency results in decreased brain copper but does not affect brain prion protein characteristics in mature Angus cows.</td>
<td>L. R. Legleiter*(^1), J. W. Spears, K. E. Lloyd, S. L. Hansen, and R. S. Fry, North Carolina State University, Raleigh.</td>
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16 1:00 PM Effect of anabolic implants on beef carcass quality and yield, and factors regulating tenderness in Longissimus and Gluteus muscles. J. Long*, S. Duckett, E. Pavan, and H. Crowe, University of Georgia, Athens.

17 1:15 PM Forage quality, animal performance, and carcass traits of steers finished on winter annual ryegrass (Lolium multiflorum Lam.) pasture with varying levels of corn supplementation. S. Roberts*, C. Kerth, K. Braden, D. Rankins, L. Kriese-Anderson, and J. Prevatt, Auburn University, Auburn, AL.

18 1:30 PM Finishing steers on winter annual ryegrass (Lolium multiflorum Lam.) with varied levels of supplementation: Effects on fatty acid profile, shelf life and lipid stability. K. Braden*, K. Willian3, S. Roberts1, J. Gentry2, and C. Kerth1, Auburn University, Auburn, AL, 2Middle Tennesse State University, Mufreesboro, 3Tuskegee University, Tuskegee, AL.

19 1:45 PM Serum concentration comparisons of thyroxine, insulin-like growth factor-1 and leptin in foaling mares of fat versus moderate condition. C. Cavinder*, M. Vogelsang, P. Gibbs, D. Forrest, and B. Scott, Texas A&M University, College Station.

20 2:00 PM Fertility associated antigen (FAA) in peripubertal beef bulls as an indicator of potential fertility. J. Gallino*, A. Novosad1, G. Dawson2, R. Ax2, L. Sprott1, and D. Forrest1, 1Texas A&M University, College Station, 2University of Arizona, Tucson.

21 2:15 PM The effects of dietary fat supplementation on body composition traits and reproductive efficiency of beef heifers grazing ryegrass pastures. A. R. Dos Santos*1,2, S. T. Willard2, R. C. Vann1, and B. Macoon1, 1Brown Loam Experiment Station, Raymond, MS, 2Mississippi State University, Starkville.


23 2:45 PM Effects of body condition and bovine somatotropin on estrus, ovarian follicles, and reproductive performance of postpartum Brahman-influenced cows. R. Flores*1, M. L. Looper2, R. W. Rorie1, C. F. Rosenkranz, Jr.1, M. A. Lamb1, S. T. Reiter1, and D. L. Kreider1, 1University of Arkansas, Fayetteville, 2USDA-ARS, Dale Bumpers Small Farms Research Center, Booneville, AR.


Breeding and Genetics
Chair: Jackson M. Dzakuma,
Prairie View A&M University
Monday 1:00 - 2:15
Largo
ANIMAL SCIENCE

25 1:00 PM Heritability and EPD for calving rate and calf survival in a multi-breed population. J. L. Guerra, D. E. Franke*, and D. C. Blouin, LSU Agricultural Center, Baton Rouge, LA, US.


27 1:30 PM Evaluation of Romosinuano as straightbreds and crossbreds with Angus and Brahman: postweaning growth and temperament traits of heifers. J. Spatz*, D. Riley, C. Chase, S. Coleman, and T. Olson, University of Florida, Gainesville.

28 1:45 PM Relationships of milk production in Brangus cows to postweaning calf performance. X. Wang†, M. Brown†, F. Gao†, J. Wu†, and H. Mayeux‡, †Gansu Agricultural University, Lanzhou, Gansu, PRC, ‡USDA-ARS, Grazinglands Research Laboratory, El Reno, OK.

29 2:00 PM Effects of artificially administered nematode challenge on three breeds of goats. E. A. Wilson*, J. M. Dzakuma, N. C. Beckford, B. M. Johnson, L. C. Nuti, and T. M. Craig, Prairie View A&M University, Prairie View, TX, Texas A&M University, College Station.

Physiology I: Heat Stress Symposium
Chair: Dr. Rhonda Vann.
MAFES-Brown Loam Exp. Station
Monday 1:00 - 5:00
Orange

1:00 PM Introduction. Dr. Rhonda Vann.

ANIMAL SCIENCE

30 1:05 PM Direct effects of thermal stress (TS) on gene expression in growing bovine mammary epithelial cells (BMEC) in collagen gel culture. R. Collier*, C. Stiening, J. Hoying, A. Hoing, and M Abdallah, University of Arizona, Tucson.

31 1:50 PM Determinants of oocyte and embryonic resistance to elevated temperature in cattle - mechanisms and opportunities for exploitation to increase pregnancy rates during heat stress. P. J. Hansen*, University of Florida, Gainesville.

32 2:25 PM Prediction of heat stress conditions in cattle using current technology to monitor thermal status. D. Spiers*, University of Missouri, Columbia.

3:00 PM Break.

33 3:15 PM Indicators of heat stress and environmental monitoring of animal responses. S. Willard*, Mississippi State University, Mississippi State.

34 3:45 PM A history of the evaluation of the Slick hair gene. T. Olson†, C. Chase‡, M. Mariasegaram, C. Lucena, and E. Godoy†, †University of Florida, Gainesville, ‡USDA-ARS, Subtropical Agricultural Research Station, Brooksville, FL.


4:45 PM Questions & Discussion.

Ruminant Animal Production I: Health and Reproduction
Chair: Les Anderson, University of Kentucky
Monday 1:00 - 4:15
Siesta/Biscayne
1:00 PM The effects of cracking whole cottonseed on apparent nutrient digestibilities and N retention when fed to goats. B. Hagens*1, N. Whitley2, and B. Rude1, 1Mississippi State University, Starkville, 2University of Maryland Eastern Shore, Princess Anne.

1:15 PM Evaluation of a spinosad pour-on insecticide on the effectiveness and efficacy for horn fly (Haematobia irritans) control and management on beef cattle. L. A. Rakowitz*, S. F. Kelley, M. M. Beverly, and R. D. Hanagriff, Sam Houston State University, Huntsville, TX.


2:00 PM Effect of breed on acute phase protein response to weaning and transport in beef calves. X. Qiu*1, J. Arthington1, D. Riley2, C. Chase Jr.2, W. Phillips2, and S. Coleman2, 1University of Florida, Ona, 2USDA-ARS, USA.


47  3:45 PM Effects of conventional or low bull to female ratio in extensively-managed, natural mating breeding groups. R. J. Rathmann*1, L. R. Sprott1, J. W. Holloway2, K. S. Barling1, B. G. Warrington2, K. O. Curley, Jr.1, and D. W. Forrest1, 1Texas A&M University, College Station, 2Texas Agricultural Experiment Station, Uvalde, TX.

48  4:00 PM Utilization of reproductive tract scores in extensively-managed, natural mating breeding groups. R. J. Rathmann*1, L. R. Sprott1, J. W. Holloway2, K. S. Barling1, B. G. Warrington2, K. O. Curley, Jr.1, and D. W. Forrest1, 1Texas A&M University, College Station, 2Texas Agricultural Experiment Station, Uvalde, TX.

Pastures and Forages I
Chair: Warren Gill, University of Tennessee
Monday 1:15 - 2:15
Cocoa

49  1:15 PM Effects of ruminal fill on short-term herbage intake rate. P. Gregorini*1,2, S. Gunter1, C. Masino2, and P. Beck1, 1University of Arkansas Division of Agriculture, Hope, 2Universidad Nacional de La Plata, La Plata, Argentina.

50  1:30 PM The effects of a morning fasting on the evening grazing behavior of beef heifers. P. Gregorini*1,2, M. Eirin2, M. Wade3, R. Refi2, M. Ursino2, O. Ansín2, and S. Gunter2, 1University of Arkansas Division of Agriculture,
ANIMAL SCIENCE

55  3:00 PM Effects of brown midrib gene in sudangrass (sorghum bicolor) on summer stocker steers performance. J. R. Parish*1, R. H. Watson1, T. F. Best2, J. A. Parish1, R. R. Evans2, and W. B. McKinley1, 1Mississippi State University, Mississippi State, 2MAFES Prairie Research Station, Prairie, MS.

56  3:15 PM Forage chicory as an alternative to annual ryegrass in stocker cattle production systems. R. H. Watson*, J. R. Parish, M. B. Howell, J. A. Parish, W. B. McKinley, and W. L. Newman, Mississippi State University, Mississippi State.

ASAS Southern Section Business Meeting and Awards
Monday 5:00 - 7:00
Orange

Small Ruminant Subcommittee of the NAGP Meeting
Monday 7:00 - 9:00
Palms Ballroom Salon B

Tuesday, February 7

Meats I
Chair: Jason K. Apple, University of Arkansas
Tuesday 8:00 - 9:30
Tangerine B

57  8:00 AM Price premiums and discounts for retail marketing attributes of flat iron steak. S. Watson*1, E. Tucker1, and D. Hudson2, 1Louisiana Tech University, Ruston, 2Mississippi State University, Mississippi State.


ANIMAL SCIENCE

59  8:30 AM Effects of beef muscle type, with or without enhancement on pre-cooked value-added roast beef. J. Martin* and B. Williams, Mississippi State University, Mississippi State.

60  8:45 AM Comparison of raw soybean and soybean meal diets on carcass traits of gilts. D. Sykes*, S. Couvillion, J. Martin, T. Althen, P. Gerard, M. Crenshaw, and P. Ryan, Mississippi State University, Mississippi State.


Small Ruminant Production
Chair: Sam Jackson, Texas Tech University
Tuesday 8:00 - 12:15
Siesta/Biscayne

63  8:00 AM Use of multiple boluses of copper oxide wire particles for control of Haemonchus contortus in lambs. J. Burke*1 and J. Miller2, 1USDA, Agricultural Research Service, Booneville, AR, 2Louisiana State University, Baton Rouge.

8:30 AM Control of Haemonchus contortus in ewes and does with a sustained-release multi-trace element/vitamin ruminal bolus. J. Burke*1 and J. Miller2, 1USDA, Agricultural Research Service, Booneville, AR, 2Louisiana State University, Baton Rouge.

8:45 AM Teaching integrated parasite management (IPM) to sheep and goat producers. S. Schoenian*, University of Maryland Cooperative Extension, Keedysville, MD.

9:00 AM Crude protein of diet and feces in goats: Forward and reverse process prediction via near infrared reflectance spectroscopy. R. Dittmar1, D. Tolleson1, S. Prince1, K. Banik1, J. Gallino1, U. Gombosuren2, and J. Stuth1, 1Texas A&M University, College Station, 2Mercy Corps, Ulaan Baator, Mongolia.

9:15 AM Fermented fruit residues inclusion on ram’s diet: Effects on voluntary intake and nutrients digestibility. S. Pagán1, A. Rodríguez1, and E. Valencia1, 1Animal Industry Department, University of Puerto Rico at Mayagüez, Mayagüez, Puerto Rico, 2Agronomy and Soil Sciences Department, University of Puerto Rico at Mayagüez, Mayagüez, Puerto Rico.

9:30 AM Forage intake in Suffolk, Katahdin, and reciprocal-cross lambs. F. Gao1, M. Brown*2, X. Wang1, J. Wu1, P. Starks2, and H. Mayeux2, 1Gansu Agricultural University, Lanzhou, Gansu, PRC, 2USDA-ARS, Grazinglands Research Laboratory, El Reno, OK.

9:45 AM Fibrolytic enzymes on intake and digestibility of guineagrass (Panicum Maximum Jacq.) hay. K. Tous*1, A. Rodriguez1, A. Adesogan2, and E. Valencia1, 1University of Puerto Rico, Mayagüez, Puerto Rico, 2University of Florida, Gainsville.

10:00 AM Weight gain in meat goat does fed endophyte-infected and non-infected tall fescue. R. Browning, Jr.*, P. Pandya, T. Payton, B. Donnelly, W. Hendrixson, and M. Byars, Tennessee State University-IAgER, Nashville.

10:15 AM In situ dry matter degradability of tropical legumes using fistulated goats and steers. S. Pagán1, E. M. Valencia2, J. P. Muir3, and A. A. Rodríguez1, 1Department of Animal Industry, University of Puerto Rico at Mayagüez, Mayagüez, Puerto Rico, 2Department of Agronomy and Soil Sciences University of Puerto Rico at Mayagüez, Mayagüez, Puerto Rico, 3Texas Agricultural Experiment Station, Stephenville, TX.

10:30 AM The effect of time of day of supplemental feeding on production traits of lactating hair sheep in the tropics. R. W. Godfrey* and M. C. Vinson, Agricultural Experiment Station, University of the Virgin Islands, St Croix, VI.

10:45 AM Use of transrectal ultrasonography to determine early fetal development in meat goat does and hair sheep ewes. S. Wildeus*, J. R. Collins, and E. J. Chozu, Virginia State University, Petersburg.

11:00 AM Collection and freezing of Angora goat embryos for the USDA Animal Germplasm Repository. J. McAllister*1, S. Bushnell1, M. Purpura1, A. Landry1, B. Olcott1, H. Blackburn2, E. Loetz3, K. Bondioli1, and R. Godke1, 1Louisiana State University Agricultural Center, Baton Rouge, LA, 2USDA National Center for
80  8:30 AM Antibody response in porcine colostrum with specificity to enterotoxigenic E. coli. J. Allen* and A. Byers, North Carolina A&T State University, Greensboro.

81  8:45 AM Enterotoxigenic Escherichia Coli infections from neonatal swine. J. Allen* and A. Byers, North Carolina A&T State University, Greensboro.

82  9:00 AM Validation of an automated tracking system to quantify overall activity and maintenance behaviors of individually housed nursery pigs. J. W. Dailey*1, N. Krebs2, J. A. Carroll1, and J. J. McGlone2, 1Livestock Issues Research Unit, Agricultural Research Service-USDA, Lubbock, TX, 2Texas Tech University, Lubbock.

83  9:15 AM Photonic properties of transformed Salmonella typhimurium: Plasmid stability and concentration dependency. E. Williams*1, K. Moulton1, D. Moore1, M. McGee1, F. Lovell1, S. Couvillion1, P. Ryan1, D. Lay2, and S. Willard1, 1Mississippi State University, Mississippi State, 2USDA-ARS, Livestock Behavior Research Unit, West Lafayette, IN.

84  9:30 AM Evaluation of non-nutrient additives as immunomodulators in nursery pigs. J. Carroll*1 and K. Haydon2, 1Livestock Issues Research Unit, Agricultural Research Service-USDA, Lubbock, TX, 2Prince Agri Products, Inc., Quincy, IL.

9:45 AM Break.

86 10:15 AM Training of young boars to mount an artificial sow and allow semen collection is expedited by treatment with Lutalyse. M. Estienne*, A. Harper, and R. Crawford, Virginia Polytechnic Institute and State University, Blacksburg.

87 10:30 AM Bioluminescence imaging and hormonal profiles in late gestation ewes following intra-uterine inoculation with lux-modified Escherichia coli. K. Moulton*1, S. Willard1, P. Ryan1, D. Christiansen1, C. Klauser2, and W. Bennett2, 1Mississippi State University, Mississippi State, 2University of Mississippi Medical School, Jackson.


89 11:00AM Efficacy of production drugs to assist in herd-health upgrades. D. Bishop*1 and T. Orban2, 1Reproductive Design Services, Garland, NC, 2Prestage Farms, Clinton, NC.

Extension Luncheon
Tuesday Noon - 2:00
Oleander B

Meats II: Pre-harvest Food Safety Symposium
Chair: Jason K. Apple, University of Arkansas
Tuesday 1:00 - 5:00
Orange

90 1:00 PM Research examining seasonal shedding of E. coli O157:H7. T. Edrington*, T. Callaway, K. Genovese, R. Anderson, and D. Nisbet, USDA-ARS Food and Feed Safety Research Laboratory, College Station, TX.

91 1:30 PM Does endophyte-infected tall fescue affect the prevalence of E. coli O157:H7 and Salmonella in the feces of ruminants? M. L. Looper*1, T. S. Edrington2, R. Flores3, G. E. Aiken4, and C. F. Rosenkrans, Jr.3, 1USDA-ARS, Dale Bumpers Small Farms Research Center, Booneville, AR, 2USDA-ARS, Food and Feed Safety Research Unit, College Station, TX, 3University of Arkansas, Fayetteville, 4USDA-ARS, Forage-Animal Production Research Unit, Lexington, KY.

Food borne pathogens associated with feedlot cattle.

2:00 PM Mindy Brashears, Texas Tech University.

2:30 PM Guy Lonergan, West Texas A&M University.

3:00 PM Roundtable discussion.

Physiology III
Chair: Dr. Rhonda Vann, MAFES-Brown Loam Exp. Station
Tuesday 1:00 - 4:45
Marathon & Cedar

92 1:00 PM Effects of melengestral acetate (MGA) supplementation on pregnancy rate to artificial insemination in dairy heifers. D. Kreider*, R. Rorie, C. Rosenkrans, W. Coblenz, and T. Lester, University of Arkansas, Fayetteville.

93 1:15 PM Line and sex association between postweaning serum insulin-like growth factor-I (IGF-I) concentrations and growth traits of Angus cattle
divergently selected for serum IGF-I concentration. M. Pagan\textsuperscript{1}, M. E. Davis\textsuperscript{2}, R. C. M. Simmen\textsuperscript{3}, N. E. Raney\textsuperscript{4}, and C. W. Ernst\textsuperscript{4}, \textsuperscript{1}University of Puerto Rico, Mayaguez, Puerto Rico, \textsuperscript{2}The Ohio State University, Columbus, \textsuperscript{3}University of Arkansas for Medical Sciences, Little Rock, \textsuperscript{4}Michigan State University, East Lansing.

94 1:30 PM Line and sex association between serum insulin-like growth factor binding proteins (IGFBP) and growth traits of Angus cattle divergently selected for serum IGF-I concentration. M. Pagan\textsuperscript{1}, M. E. Davis\textsuperscript{2}, R. C. M. Simmen\textsuperscript{3}, N. E. Raney\textsuperscript{4}, and C. W. Ernst\textsuperscript{4}, \textsuperscript{1}University of Puerto Rico, Mayaguez, Puerto Rico, \textsuperscript{2}The Ohio State University, Columbus, \textsuperscript{3}University of Arkansas for Medical Sciences, Little Rock, \textsuperscript{4}Michigan State University, East Lansing.


96 2:00 PM Effect of prenatal nutrition of calves on postpartum growth and plasma insulin and IGF-1. N. M. Long\textsuperscript{*}, M. P. Davis, M. J. Prado-Cooper, and R. P. Wettemann, Oklahoma Agricultural Experiment Station, Stillwater, OK.

2:15 PM Break.

97 2:30 PM Relationships of cattle temperament and physiologic responses to handling during typical management situations. K. O. Curley, Jr\textsuperscript{*}, C. E. Schuehle Pfleiffer\textsuperscript{1}, D. A. King\textsuperscript{1}, J. W. Savell\textsuperscript{1}, R. C. Vann\textsuperscript{2}, T. H. Welsh, Jr.\textsuperscript{1}, and R. D. Randel\textsuperscript{3}, \textsuperscript{1}Texas Agricultural Experiment Station, College Station, TX, \textsuperscript{2}Brown Loam Experiment Station, Raymond, MS, \textsuperscript{3}Texas Agricultural Experiment Station, Overton, TX.

98 2:45 PM Relationship of temperament with immunization response and lymphocyte proliferation in Brahman bulls. R. Oliphint\textsuperscript{*}\textsuperscript{1}, N. Burdick\textsuperscript{2}, J. Laurens\textsuperscript{2}, K. Curley\textsuperscript{1}, R. Vann\textsuperscript{3}, R. D. Randel\textsuperscript{1}, and T. Welsh\textsuperscript{1}, \textsuperscript{1}Texas Agricultural Experiment Station, Overton, TX, \textsuperscript{2}Texas A&M University, Kingsville, \textsuperscript{3}Mississippi State University, Brown Loam.

99 3:00 PM Relationships between heifer temperament indices and fecal immunoreactive corticoid determinations. M. McGee\textsuperscript{*}\textsuperscript{1}, K. Curley\textsuperscript{2}, R. Randel\textsuperscript{2}, D. Neuendorff\textsuperscript{2}, T. Welsh\textsuperscript{3}, A. Musselwhite\textsuperscript{1}, K. Kelly-Quagliana\textsuperscript{1}, and S. Willard\textsuperscript{1}, \textsuperscript{1}Mississippi State University, Mississippi State, \textsuperscript{2}Texas Agricultural Experiment Station, Overton, TX, \textsuperscript{3}Texas Agricultural Experiment Station, College Station, TX.

100 3:15 PM Effects of parity and once daily suckling on follicular dynamics in postpartum Brahman. J. Ramirez III\textsuperscript{*}, D. A. Neuendorff, A. W. Lewis, and R. D. Randel, Texas Agricultural Experiment Station, Overton, TX.

101 3:30 PM Effects of early and late fall calving on reproductive performance and weaning weights of calves. M. P. Davis\textsuperscript{*}, D. W. Kastner, I. Rubio, N. M. Long, and R. P. Wettemann, Oklahoma Agricultural Experiment Station, Stillwater, OK.

3:45 PM Break.
ANIMAL SCIENCE

102 4:00 PM Effectiveness of CIDR-based estrous synchronization systems for natural service and AI in replacement heifers. J. B. Hall*, W. D. Whittier, J. C. Wuenschel, and R. Kasimanickam, Virginia Tech, Blacksburg.


104 4:30 PM Evaluation of follicular development in Brangus and Angus heifers receiving a 14 d melengestrol acetate (MGA®) treatment with PG 19 d later. S. Woodall*, B. Austin, R. Esterman, and J. Yelich, University of Florida, Gainesville.

Ruminant Animal Production II: Growth and End Product
Chair: Jerry Spears, North Carolina State University
Tuesday 1:00 - 5:00
Tangerine B


ANIMAL SCIENCE

108 1:45 PM Winter rye pasture based production programs for growing beef cattle. K. Hales*2, E. Whiting1, and G. Horn2, 1The Noble Foundation, Ardmore, OK, 2Oklahoma Agricultural Experiment Station, Stillwater, OK.

109 2:00 PM Effects of feeding molasses based supplements on the performance of calves in a preconditioning program. B. Austin*, M. Hersom, and T. Thrift, University of Florida, Gainesville.

110 2:15 PM Corn gluten feed as a diet ingredient for Senepol- or Angus-sired finishing steers. M. Poore*, J. Cassady, and G. Benson, North Carolina State University, Raleigh.


112 2:45 PM Effects of supplemental energy source on adipose tissue accretion in stocker steers grazing ryegrass pastures. E. K. Bumpus*1, J. E. Sawyer1, T. D. A. Forbes2, B. G. Warrington2, and J. W. Holloway2, 1Texas A&M University, College Station, 2Texas Agricultural Experiment Station, Uvalde, TX.

113 3:00 PM Selenium, zinc, and copper status in growing cattle grazing winter pasture on the Coastal Plain. S. A. Gunter*1, J. W. Finley2, C. B. Stewart1, S. Hutchison1, and P. A. Beck1, 1University of Arkansas, Hope, 2USDA-ARS Grand Forks Human Nutrition Laboratory, Grand Forks, ND.

114 3:15 PM An evaluation of breeding soundness exam administration on subsequent ultrasound body composition traits in yearling beef bulls. R. C. Vann*1, J. A. Parish2, W. B. McKinley2, B. J. White2, and S. T. Willard2, 1MAFES-
ANIMAL SCIENCE

Brown Loam Experiment Station, Raymond, MS, ²Mississippi State University, Mississippi State.

115 3:30 PM Use of blood metabolites at weaning as predictors of beef carcass traits. Z. Johnson¹, J. May¹, R. Dollar¹, C. Golden¹, M. Nihsen¹, K. May², M. Loober³, and C. Rosenkrans, Jr.*¹, ¹University of Arkansas, Fayetteville, ²Caldwell Farms, Rosebud, AR, ³USDA-ARS, Dale Bumpers Small Farms Research Center, Booneville, AR.

116 3:45 PM Effects of different growing systems on rate of accretion of intramuscular and subcutaneous adipose tissue in feedlot cattle. J. T. Vasconcelos*¹,³, J. E. Sawyer¹, L. W. Greene², F. T. McCollum³, and S. B. Smith¹, ¹Texas A&M University, College Station, ²Auburn University, Auburn, AL, ³Texas A&M University Agricultural Research and Extension Center, Amarillo, TX.

117 4:00 PM Evaluation of feeder calf grade, background information and health status on feedlot weight gain and carcass traits of calves fed in South Texas. D. W. Groeschke¹, A. D. Herring*¹, J. E. Sawyer¹, and J. C. Paschal¹,², ¹Texas A&M University, College Station, ²Texas Cooperative Extension, Corpus Christi.

118 4:15 PM Use of ultrasound in combination with calf background information to predict beef carcass traits. D. T. Dean¹, A. D. Herring*¹, J. E. Sawyer¹, and D. S. Hale²,¹, ¹Texas A&M University, College Station, ²Texas Cooperative Extension, College Station.

119 4:30 PM Growing program, breed, and gender influence ultrasound-based prediction accuracy for carcass marbling and fat thickness in crossbred beef cattle. J.

ANIMAL SCIENCE

E. Sawyer*¹, A. D. Herring¹, D. K. Lunt¹,², D. T. Dean¹, R. D. Rhoades¹, and D. G. Riley³, ¹Texas A&M University, College Station, ²McGregor Agricultural Research Center, McGregor, TX, ³USDA Subtropical Agricultural Research Station, Brooksville, FL.

120 4:45 PM Meta analysis of residual feed intake with and without adjustment for carcass composition in growing and finishing calves. E. G. Brown*¹, L. O. Tedeschi¹, G. E. Carstens¹, P. A. Lancaster¹, D. G. Fox², T. D. A. Forbes¹, R. D. Randel¹, T. H. Welsh¹, and F. M. Rouquette¹, ¹Texas Agricultural Experiment Station, College Station, TX, ²Cornell University, Ithaca, NY.

Extension II

Chair: J. D. Arthington, University of Florida
Tuesday 2:15 - 4:15
Siesta/Biscayne


122 2:30 PM Extension mediated disaster relief response to beef cattle producers stricken by hurricanes katrina and rita. J. Rowntree*¹, J. Parish², and W. McKinley², ¹Louisiana State University Agricultural Center, Baton Rouge, ²Mississippi State University, Mississippi State.

ANIMAL SCIENCE


125 3:15 PM Evaluation of body condition scores of cows wintered with a stockpiled bermudagrass + ryegrass system or traditional hay only system. J. Cleere*1, L. Redmon1, and G. Evers2, 1Texas Cooperative Extension, College Station, TX, 2Texas Agricultural Experiment Station, Overton.

126 3:30 PM Characterization of Alabama feeder cattle through the Alabama beef connection program. J. Elmore and L. Kriese-Anderson*, Auburn University, Auburn, AL.


128 4:00 PM Distance education for multi-state beef cattle extension programming. J. Parish*1, W. McKinley1, S. Seal1, J. Rowntree2, and L. Kriese-Anderson3, 1Mississippi State University, Mississippi State, 2Louisiana State University Agricultural Center, Baton Rouge, 3Auburn University, Auburn, AL.


130 4:30 PM Group marketing beef calves from small producers in Georgia: A startup experience. B Freeman*2 and W. R. Getz1, 1Fort Valley State University, Fort Valley, GA, 2ABS Global, DeForest, WI.

BIOCHEMISTRY and BIOTECHNOLOGY Division

The Azalea B Room, Wyndham Orlando Resort Orlando, FL, February 6, 2006

8:55 Introductory Remarks – Dr. Jeff Boles, President
Dr. SK Ballal, Program Chair and Journal Editor

9:00 “Molecular Coordination of Metabolism by Glutamate Dehydrogenase.” Goodson Osuji, CARC, Prairie View A&M, Prairie View, Texas 77446

9:45 “An Economic Method for Purifying Extension Products after DNA Sequencing Reaction” Andy Chen, USDA-ARS, Knipling-Bushland U.S. Livestock Insects Research Laboratory, Kerrville, TX 78028

10:30 “Behavioral Monitoring of Insects for Chemical Detection” Glen Rains, Biological and Agricultural Engineering Department, Faculty of Engineering, University of Georgia, Tifton, Ga 31793

11:15 “Plant Seed Storage Proteins” Caryl Chlan, Department of Biology, UL Lafayette, Lafayette, LA 70504-2451

11:45 – 1:00 Lunch Break

1:00 “Metal Accumulation in the Medicinal Plant Hypericum Perforatum” Tera Michelle Sirvent, Department of Chemistry, University of West Florida, Pensacola, FL 32514

1:45 “Meiotic Chromosomes in 3D: Structure and Function.” Hank W. Bass, Department of Biological Science, Biology Unit 1, Chieftan Way, Florida State University, Tallahassee, FL 32306-4370

2:30 “Arsenic in Soil: Mechanisms of Treatment and in situ Removal by Electrokinetic Techniques” Danuta Leszczynska, FAMU-FSU College of Engineering, Department of Civil and Environmental Engineering, Florida State University, Tallahassee, FL 32310
3:15  "A Novel Transposable Element Identified in a Computerized Survey of the Rice Genome."
      Todd C. Wood, Bryan College, Dayton, TN 37321

4:00  “Antibiotic Resistance and Lead-tolerance in Bacteria from a Cattle Farm and a Chat Pile”
      James E. Champine, Department of Biology, Southeast Missouri State University, Cape Girardeau, MO 63701

4:45  Closing Remarks

SOUTHERN REGION OFFICERS

Dr. David Wm. Reed, President
Department of Horticultural Science
Texas A&M University
College Station, Texas 77843-2133

Dr. D. Scott NeSmith, President-Elect
Department of Horticulture
University of Georgia-Griffin Campus
1109 Experiment Street
Griffin, Georgia 30223-1797

Dr. Paul L. Smeal, Secretary-Treasurer
1107 Kentwood Drive, SE
Blacksburg, Virginia 24060-5656

SECTION CHAIRPERSON
Education               Cynthia McKenney, TX
Extension               Winston Dunwell, KY
Floriculture,           John Ruter, GA
  Ornamentals & Turf
Fruit Crops             James Ballington, NC
Posters                 David Creech, TX
Postharvest/Biotech./   William Klingeman, TN
  Plant Biology
Vegetable Crops         William Evans, MS
Collegiate Branch       Dan Lineberger, TX
Graduate Students       D.Scott NeSmith, GA

COMMITTEES CHAIRPERSON
Executive               James Ballington, NC
Nominations             John Clark, AR
Membership              Paul Smeal, VA
**AWARD SELECTION COMMITTEES**

**CHAIRPERSON**
- J. Creighton Miller, Jr. Distincted Educator Joe Eakes, AL
- Julian C. Miller, Sr. Distinguished Research John Clark, AR
- Henry Covington Extension David Henley, AR
- John E. Hutchinson Extension Professional William T. Kelley
- Excellence in Doctoral Research & Writing Stuart Warren, NC
- Leadership & Administration Regina Bracy, LA
- Extension Publication Awards Jeanine Davis, NC
- Outstanding Club Award Kim Pittcock, AR

**SPECIAL EVENTS AND SESSIONS**

Wyndham Orlando Resort
Orlando, Florida

**SATURDAY, FEBRUARY 4, 2006**

8:00 am - 6:00 pm
Registration - Paul Smeal
Wyndham Orlando Resort Lobby

8:00 am - 5:00 pm
National Sweet Potato Collaborators
Presiding: Mark Shankle
Room: Palms Ballroom C/D

8:00 am - 5:00 pm
Pecan Research and Extension Forum
Presiding: Lenny Wells
Room: Palms Ballroom Salon F

8:00 am - 5:00 pm
Southern Blueberry/Small Fruit Workers
Presiding: John Basswell
Room: Palm Ballroom Salon G

9:30 am - 11:30 pm
ACB Program, Share Club Activities and Refreshments
Presiding: Michael Boyd, President
Room: Palm Ballroom Salon H

12:00 noon
ACB Group Lunch

**SUNDAY, FEBRUARY 5, 2006**

7:00 am - 6:00 pm
Registration - Paul Smeal
Palms Ballroom Foyer

8:00 am - 5:00 pm
National Sweet Potato Collaborators
Presiding: Mark Shankle
Room: Palms Ballroom C/D

8:00 am - noon
Vigna Crop Germplasm Committee
Presiding: Richard Fery
Room: Lime

8:00 am - noon
Extension Section
Presiding: Winston Dunwell
Room: Cocoa

8:00 pm - 5:00 pm
Watermelon Research Group
Presiding: Benny D. Bruton
Room: Palms Ballroom Salon A

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1:00 pm - 5:00 pm
**Horticulture Administrators**
Presiding: Julia Kornegay
Room: Executive Boardroom

1:00 pm - 5:00 pm
**Master Gardener & Consumer Horticulture**
Chairperson: Tom Wichman
Room: Largo

1:00 pm - 4:30 pm
**ACB Activities**
TBA

4:30 pm - 5:30 pm
**ACB Reception**
Location TBA

5:00 pm - 6:00 pm
**Southern Region - ASHS Executive Meeting**
Presiding: James Ballington
Room: Executive Boardroom
8:00 am - 10:00 am
J. B. Edmond Undergraduate Student Paper
Competition
Presiding: Michael Boyd, ACB President and David Reed, SR-ASHS President
Room: Palms Ballroom Salon F

10:00 pm - noon
Warren S. Barham Graduate PhD Student Paper
Competition
Presiding: D. Scott NeSmith
Room: Palms Ballroom Salon F

1:00 pm - 5:00 pm
Norman F. Childers Graduate MS Student Paper
Competition
Presiding: D. Scott NeSmith
Room: Palms Ballroom Salon F

1:00 pm - 5:00 pm
National Cowpea Improvement Association
Presiding: Lynn Bradenberger
Room: Lime

1:00 pm - 5:00 am
Education Section
Presiding: Cynthia McKenney
Room: Largo

7:00 am - noon
J. Benton Storey Student Judging Contest
Setup
Room: Palms Ballroom Salon E

1:00 pm - 3:00 pm
J. Benton Storey Undergraduate Student
Horticulture Judging Contest
Presiding: ACB Officers
Room: Palms Ballroom Salon E

9:00 am - noon
Set up Posters

4:00 pm - 6:00 pm
Poster Session - Authors at Posters
Presiding: David Creech
Room: Palms Ballroom Salon E

4:00 – 6:00 pm
Southern Association of Agricultural Scientists
General Session - Room: Orange & Lemon
“The Future of Animal Agriculture in North America”

7:00 pm
SAAS Reception
Room: East Pool Pavilion

MONDAY, FEBRUARY 6, 2006

7:00 am - 10:00 am
Registration - Paul L. Smeal
Palms Ballroom Foyer

8:00 am - 10:45 am
Vegetable Crops Section
Chairperson: Bill Evans
Room: Palms Ballroom Salon D

8:00 am - 10:45 am
Fruit Crops Section
Chairperson: James Ballington
Room: Marathon & Cedar

8:00 am - 10:45 am
Floriculture, Ornamentals and Turf Section
Chairperson: John Ruter
Room: Largo

8:30 am - 10:45 am
Postharvest/Biotechnology/Plant Biology Section
Chairperson: Bill Klingeman
Room: Clearwater

9:00 am - 10:30 am
ACB Business Meeting
Presiding: Michael Boyd, ACB President
Room: Lemon

11:00 am - 12:15 pm
SOUTHERN REGION ANNUAL BUSINESS MEETING & AWARD PROGRAM
Presiding: David Reed, President
Room: Lemon

1:30 pm – 5:00 pm
Vegetable Crops Section
Chairperson: Bill Evans
Room: Palms Ballroom Salon D
HORTICULTURAL SCIENCE

1:30 pm – 5:00 pm

**Fruit Crops Section**
Chairperson: James Ballington
Room: Marathon & Cedar

1:30 pm – 3:00 pm

**Floriculture, Ornamentals and Turf Section**
Chairperson: John Ruter
Room: Largo

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**PROGRAM**
SUNDAY, FEBRUARY 5, 2006

**J. B. EDMOND UNDERGRADUATE STUDENT PAPER COMPETITION**
Room: Palms Ballroom Salon F
Presiding: Mr. Michael Boyd, Southern Region - ASHS ACB President and Dr. David Reed, Southern Region - ASHS President

Abstracts must be electronically submitted as attachment to Dr. Dan Lineberger, (dan-lineberger@tamu.edu)

8:00 am
Order of presentation will be determined by a drawing at beginning of contest.

1. In Vitro Shoot Proliferation of *Encyclia tampensis* (Lind.) Orchids. Monica Haddix, Department of Natural Resources and Environmental Design, North Carolina A&T State University 1601 E. Market Street, Greensboro, NC 27411

2. Determining Optimum Distance for Cross-Pollination of Pecan. Jana Morris, Oklahoma State University, Dr. Mike W. Smith, Regents professor, Oklahoma State University, Stillwater, OK 74078, Tim Montz, Montz Pecan Orchard, Charlie TX.


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**WARREN S. BARHAM PH.D. GRADUATE STUDENT PAPER COMPETITION**
Room: Palms Ballroom Salon F
Presiding: D. Scott NeSmith, President-elect, Southern Region-ASHS

Abstracts must be electronically submitted as attachment to D. Scott NeSmith (snesmith@griffin.uga.edu)

10:00 am
Order of presentation will be determined by a drawing at beginning of contest.

1. Phenolic composition and antioxidant activity in sweetpotato root and leaf tissues at different developmental stages. Malkeet S. Padda* and David H. Picha, Dept. of Horticulture, Louisiana State University Agricultural Center, Baton Rouge, LA 70803. (mpadda1@lsu.edu)

2. Fate and Movement of NO_3-N as a Result of Staged Leaching Irrigation Events and Fertilizer Source During Potato Production in Northeast Florida. Christine M. Worthington* and Chad M. Hutchison, University of Florida, Plant Science Research and Education Unit, P.O. Box 728, Hastings, FL 32145. (CMWorthington@ifas.ufl.edu)

3. Development of a genetic linkage map in sweetpotato based on AFLP markers and QTL analysis of economically important traits. Jim Cervantes-Flores*, Byron Sosinski, Albert Kriegner, Ken Pecota, Maria Roldan, and Craig Yencho, Dept. of Horticultural Science, North Carolina State University, Campus Box 7609, Raleigh, NC 27695-7609. (jccervan@ncsu.edu)

**NORMAN F. CHILDERS M.S. GRADUATE STUDENT PAPER COMPETITION**
Room: Palms Ballroom Salon F
Presiding: D. Scott NeSmith, President-elect, Southern Region-ASHS

Abstracts must be electronically submitted as attachment to D. Scott NeSmith (snesmith@griffin.uga.edu)

1:00 pm
Order of presentation will be determined by a drawing at beginning of contest.
1. Effects of Post-application Halosulfuron-methyl at Various Percents of Coverage on Watermelon. Peter J. Dittmar*, David W. Monks, and Jonathan R. Schultheis, Dept. of Horticultural Science, North Carolina State University, Campus Box 7609, Raleigh, NC 27695-7609. (pjdittma@ncsu.edu)

2. Transplanting and Organic Mulch Affect Gas Exchange and Growth of Field Grown Red Oak (Quercus shumardii Buckl.). Amber Bonds* and Thayne Montague, Dept. of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122 (thayne.montague@ttu.edu)

3. Reproductive Behavior of Diploid and Allotetraploid Azaleadendrons. Ryan N. Contreras* and Thomas G. Ranney, Dept. of Horticultural Science, North Carolina State University, Fletcher, NC 28732 (Ryan_Contreras@ncsu.edu)

4. Influence of Substrates on Rooting Clematis socialis Stem Cuttings. Connie N. Johnson*, D.J. Eakes, A.N. Wright, J.L. Sibley, and L.L. Bruner, Dept. of Horticulture, 101 Funchess Hall, Auburn University, AL 36849. (johnscn@auburn.edu)

EXTENSION SECTION

Room: Cocoa
Presiding: Winston Dunwell, Extension Section Chair
Abstracts must be electronically submitted as attachment to Winston Dunwell (wdunwell@uky.edu)

8:00 am GardenData.org, an Interactive FAQ database for Consumer Horticulture. Richard E. Durham* (rdurham@uky.edu) and Winston C. Dunwell, Department of Horticulture, University of Kentucky, N-318 Agricultural Science Building North, Lexington, KY 40546-0091

8:20 am Report on the Consumer Horticulture Forum: National extension programming in consumer horticulture through eXtension, Master Gardeners and other efforts. Richard E. Durham*, (rdurham@uky.edu) Department of Horticulture, University of Kentucky N-318 Agricultural Science Building North Lexington, KY 40546-0091 and Mary H. Meyer, Department of Horticulture, University of Minnesota

8:40 am Bilingual Fresh Produce Food Safety Education in NC. Doug Sanders* (doug_sanders@ncsu.edu), Luz Reyes, Dennis Osborne, and Darrell Blackwelder, North Carolina State University

9:00 am Extension Fulfilling a Niche: A New Horticulture Course in South Florida. Adrian Hunsberger, Marguerite Beckford, and Henrique Mayer* (HMayer@ifas.ufl.edu) University of Florida/IFAS Miami-Dade County Extension Service, 18710 SW 288 St. Homestead, FL 33030-2309

9:20 am Fire Ants Have Met Their Match: The Establishment of a Decapitating Phorid Fly in South Florida. Adrian Hunsberger* (AGHU@mail.ifas.ufl.edu), and Ruben Regalado, University of Florida/IFAS Miami-Dade County Extension Service, 18710 SW 288 St. Homestead, FL 33030-2309

9:40 am Using a Consumer Herb Gardening Study to Determine Program and Publication Needs. Lelia Scott Kelly* (leliak@ext.msstate.edu), North Mississippi Research & Extension Center, PO Box 1690, Verona, MS 38879

10:00 am Teaching Master Gardeners How to Apply IPM Principles. Mary Lamberts* (lamberts@ifas.ufl.edu) and Adrian Hunsberger, University of Florida/IFAS Miami-Dade County Extension Service, 18710 SW 288 St. Homestead, FL 33030-2309

10:20 am Sustainable Nursery Production Practices Extension Programs: IPM and BMP. Amy Fulcher, Dava Hayden and Winston Dunwell* (wdunwell@uky.edu), University of Kentucky, P.O. Box 469, Princeton, KY 42445-0469

10:40 am CSREES - Your National Partner. James L. Green* (jgreen@csrees.usda.gov), National Program Leader - Horticulture, Cooperative State Research, Education, and Extension Service, USDA, 800 9th Street SW, Washington, DC 20250

11:00 am SRASHS Extension Program for 2007 67th Annual Meeting. Dr. John Braswell*, (braswell@ext.msstate.edu), South MS Branch Expt Station, Mississippi State University-Coastal Research and Extension Center, P.O. Box 193, Poplarville, MS 39470
EDUCATION SECTION
Room: Largo
Presiding: Curt Rom

Abstracts must be electronically submitted as attachment to Dr. Cynthia McKenney, (c-mckenney@tamu.edu)

1:00 pm The next generation of scientists is inspired at an early age. E.B. Peffley and C. S. Davis Dept. of Plant & Soil Science and the Dept of Ag Ed and Communication, Texas Tech University, Lubbock, TX 79409: (ellen.peffley@ttu.edu)

1:15 pm Teacher Immediacy/More Positive Classroom Experience for Students. Marihelen Glass, Ph.D. CPH. Dept. of Natural Resources and Environmental Design, North Carolina A&T State University, Greensboro, NC 27411: (glassm@ncat.edu)

1:30 pm Creation of a virtual M.S. Non-thesis program in Horticulture C.B. McKenney, Dept. of Plant & Soil Science, Texas Tech University, Lubbock, TX 79409 and Dept. of Horticulture Sciences, Texas A&M University, College Station, TX 77843: (c-mckenney@tamu.edu)

1:45 pm Using the community to teach plant materials - a real world study in plant identification. Allan Armitage. Dept. of Horticulture, University of Georgia, Athens, GA 30602: (armitage@uga.edu)

POSTERS
Room: Palms Ballroom Salon E
Presiding: David Creech

9:00 am - noon Set up Posters.
4:00 pm - 6:00 pm Poster Session - Authors at Posters

Posters should be in place by noon Sunday and remain until noon Monday, following the annual Business Meeting.

Abstracts must be electronically submitted as attachment to Dr. David Creech, (dcreech@sfasu.edu)

Graduate and Undergraduate posters for awards will be identify after posting.

HORTICULTURAL SCIENCE

1. Study of the Origins and Spread of the Sweetpotato Weevil in the US Using rDNA Sequences. Megan Ulmer1, Regina Ali1, Conrad Bonsi2, Louis Jackai2, and Bryon Sosinski1. 1NC State University Department of Horticultural Science, Campus Box 8619, Raleigh NC 27695, 2Department of Agricultural and Environmental Sciences, Tuskegee University, 200-B Campbell Hall, Tuskegee AL 36088 (sosinski@ncsu.edu)

2. Quantitative Descriptive Analysis Methodology for the Determination of the Optimum Month for the Consumption of Edible Daylilies (Hemerocallis spp.) Ashley Pollard, Food Science, Nutrition and Health Promotion Department, Mississippi State University, P.O. Box 9805, Mississippi State, MS 39762 (ashleynpollard@yahoo.com)

3. Juice Yields of Sweet Potato Cultivars. Jovy Duran, Food Science, Nutrition and Health Promotion Department, Mississippi State University, P.O. Box 9805, Mississippi State, MS 39762 (jovyduran@hotmail.com)

4. Grafting of Triploid Watermelon on Squash and Gourd Rootstock. K. Cushman, J. Huan, L. Cushman, K. Armbrester Southwest Florida Research & Education Center - UF/IFAS 2686 SR 29 N, Immokalee FL 34142-9515. (kecushman@ifas.ufl.edu)

5. Squash Production and Organic Weed Control. Charles L. Webber III, USDA, and James W. Shrefler, P.O. Box 159, Oklahoma State University, Lane, OK 74555 (cwebber-usda@lane-ag.org)

6. Effect of rotation, tillage and production management on vegetable yields. Greg D. Hoyt, Dept. of Soil Science, NCSU, 455 Research Drive, Fletcher, NC 28732 (greg_hoyt@ncsu.edu)

7. Improvement, Propagation and Use of Taxodium in Southeastern China. D. Creech1 and Yin Yunlong2. 1SFA Mast Arboretum, PO Box 13000, Stephen F. Austin State University, Nacogdoches, TX 75962-3000; 2Nanjing Botanical Garden, PO Box 1435, Nanjing, 21104, China. (dcreech@sfasu.edu)
8. Mandated Vidalia Onion Variety Trials: How well has it worked? George Boyhan, William M. Randle, Anna V. Resurreccion, Robert Shewfelt, Reid L. Torrance, Ronald H. Blackley Jr., M. Jefferson Cook, Heath Paradise, C. Randell Hill, and J. Thad Paulk. University of Georgia, Department of Horticulture, East Georgia Extension Center, PO Box 8112, GSU, Statesboro, GA 30460. (gboyhan@uga.edu)

9. Mississippi State University’s Research and Education Efforts to Increase Nursery Mechanization across the Gulf South. Christine Coker, Patricia Knight, Ben Posadas, Scott Langlois, and Randy Coker, Mississippi State University, Coastal Research and Extension Center, 1815 Popps Ferry Road, Biloxi, MS 39532 (cocker@ra.msstate.edu)


11. Microsatellite markers for verifying parentage of pecans. LJ Grauke¹, Maria Azucena Mendosa-Herrera¹, Carol Loopstra² and Tommy E. Thompson¹. USDA-ARS Pecan Breeding & Genetics. 10200 FM 50, Somerville, TX 77879; ²Institute for Plant Genomics & Biotechnology, Texas A&M University, 2123 TAMU, College Station, TX 77843-2123. (lig@tamu.edu)

12. Evaluation of Commercial Banana Cultivars in South Georgia for Ornamental and Nursery Production. Gerard Krewer¹, Esendugue Greg Fonsah², Mark Rieger³, Richard Wallace⁴ and David Linvill⁵. ¹,² Depts. of Hort. and Ag & Applied Economics, Univ. of Ga., POB 1209, Tifton, Ga. 31793; ³Dept. of Hort. Univ. of Ga., Miller Plant Science Building, Athens, Ga. 30602; ⁴Dept. of Chemistry and Physics, Armstrong Atlantic State University, Savannah, GA 31419; ⁵UGA Chatham County Extension Service, Savannah, GA 31419 (gkrewer@uga.edu)

13. Abscisic acid drenches improve post-production shelf life of impatiens. James L. Gibson and Shannon Crowley, West Florida Research and Education Center, Institute of Food and Agricultural Sciences, Milton Campus, 5988 Highway 90, Building 4900, Milton, FL 32583 (jlgibson@ifas.ufl.edu)

14. Nutrient deficiencies of Pentas lanceolata 'Butterfly Red.' James L. Gibson, Jude Groninger, and Sharon Wombles, West Florida Research and Education Center, Institute of Food and Agricultural Sciences, Milton Campus, 5988 Highway 90, Building 4900, Milton, FL 32583 (jlgibson@ifas.ufl.edu)

15. Nutrient deficiencies of Allamanda nerifolia. James L. Gibson, Jude Groninger, Sharon Wombles, and Katherine Campbell; James L. Gibson, West Florida Research and Education Center, Institute of Food and Agricultural Sciences, Milton Campus, 5988 Highway 90, Building 4900, Milton, FL 32583. (jlgibson@ifas.ufl.edu)

16. Herbicide Use in Hardy Ferns. Glenn B. Fain, USDA-ARS Southern Horticultural Laboratory, P.O. Box 287, 810 Hwy 26 West, Poplarville, MS 39470 (gfain@msa-stoneville.ars.usda.gov)

17. Physical and Chemical Properties of Substrates from Three Species of Pine Trees. Glenn B. Fain, USDA-ARS Southern Horticultural Laboratory, P.O. Box 287, 810 Hwy 26 West, Poplarville, MS 39470 (gfain@msa-stoneville.ars.usda.gov)

18. Postharvest Treatments for Extending Market Life of Fresh Horseradish. Picha, D.H. Department of Horticulture, Louisiana State University, 163 J C Miller Hall, Baton Rouge, LA 70803 Baton Rouge, LA 70803. (dpicha1@lsu.edu)

19. Performance of Heirloom and Late Blight Resistant Heirloom-type Tomato Hybrids in Organic and Conventional Field Trials. Jeanine M. Davis and Randolph G. Gardner, Dept. of Horticultural Science, North Carolina State University Mountain Horticultural Crops Research & Extension Center, 455 Research Drive, Fletcher, NC 28732. (Jeanine_Davis@ncsu.edu)

20. Performance of 18 Jalapeno Varieties in Whole Pack and Sauce. Paul Wilson, Horticulture Department, Louisiana State University, 163 J C Miller Hall, Baton Rouge, LA 70803 Baton Rouge, LA 70803. (pwwilson@lsu.edu)
21. Recent USDA-ARS Southern Horticulture Laboratory Blueberry Cultivar Releases. S.J. Stringer, J.M. Spiers, and A.D. Draper, USDA-ARS Small Fruits Research Station, P.O. Box 287, Poplarville, MS 39470 (sjstringer@msa-stoneville.ars.usda.gov)

22. Production of Delphinium in a Tobacco Transplant Greenhouse. Carl E. Niedziela Jr., Stephen A. Emerson, and Guochen Yang, Department of Natural Resources and Environmental Design, North Carolina A&T State University, Greensboro, NC 27411. (cniedzie@ncat.edu)

23. Chilling Requirements of Selected Floricane and Primocane-Fruiting Blackberries. Dr. John R. Clark¹, and P. Manjula Carter² ¹University of Arkansas, Dept. Horticulture, 316 Plant Sciences Building, Fayetteville, AR 72701; ²University of Arkansas Southwest Research and Extension Center, 362 Hwy 174 N., Hope, AR 71801 (jclark@uark.edu)

24. Laboratory method to estimate incidence of fruit splitting in cultivated blueberry. Donna A. Marshall, J.M. Spiers, K.J. Curry, S.J. Stringer, USDA-ARS Small Fruits Research Station, P.O. Box 287, Poplarville, MS 39470. (DAMarshall@msa-stoneville.ars.usda.gov)

25. Camellia: A new southern highbush blueberry cultivar. D. Scott NeSmith¹ and Arlen D. Draper² ¹Dept. of Horticulture, 1109 Experiment Street, University of Georgia, Griffin, GA 30223- 1797; ²USDA-ARS, Southern Horticultural Laboratory, Poplarville, MS 39470. (snesmith@griffin.uga.edu)

26. Rebel: A new early ripening southern highbush blueberry cultivar. D. Scott NeSmith¹, Dept. of Horticulture, 1109 Experiment Street, University of Georgia, Griffin, GA 30223- 1797. (snesmith@griffin.uga.edu)

27. Herbaceous Ornamental Trials in Central Mississippi. Keri Paridon, Mississippi State University, P.O. Box 231, Crystal Springs, MS 39059. (keri@ra.msstate.edu)

28. 2005 Personal Size "Mini" Seedless Watermelon Variety Trial. Thomas Horgan, North Mississippi Research & Extension Center, Mississippi State University, Box 1690, 5421 Hwy 145 S., Verona, MS 38879. (tehorgan@ra.msstate.edu)

29. Landscape Performance of New and Old Vinca Series - 2005 Observations. Allen Owings, Gordon Holcomb, Anthony Witcher, and Allen Broyles, LSU AgCenter - Department of Horticulture, 163 J C Miller Hall, Baton Rouge, LA 70803 (aowings@agctr.lsu.edu)

30. Initial Evaluation of Own Root vs. Budded Rose Cultivars in a Landscape Setting. Allen Owings, Anthony Witcher, and Allen Broyles, LSU AgCenter - Department of Horticulture, 163 J C Miller Hall, Baton Rouge, LA 70803 (aowings@agctr.lsu.edu)

31. Management of Downy and Powdery Mildew for 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.

32. Crape myrtle evaluations in South Mississippi. Patricia R. Knight, John M. Anderson, Wayne McLaurin, and Christine Coker, Mississippi State University, Coastal Research and Extension Center, 1815 Popps Ferry Road, Biloxi, MS 39532 (patriciaknight@bellsouth.net)

33. Growing Olives in Texas; Regulation of Flowering in Arbequina. Nasir Malik, USDA-ARS, 2413 E. Hwy 83, Weslaco, TX 78596, email; (nmalik@weslaco.ars.usda.gov)

34. Effect of Rootstock on Yield and Quality of ‘Cabernet Franc’ (Vitis vinifera) in Oklahoma. Eric T. Stafne¹, B. Dean McCraw¹, William G. McGlynn¹, and R. Keith Striegler² ¹Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078; ²MVEC, Missouri State University, Mountain Grove, MO 65711. (eric.t.stafne@okstate.edu)
HORTICULTURAL SCIENCE

PROGRAM
MONDAY, FEBRUARY 6, 2006

VEGETABLE CROPS SECTION
Room: Palms Ballroom Salon D
Presiding: Bill Evans, Vegetable Crops Section Chair

Abstracts must be electronically submitted to Bill Evans, (wbe@ra.msstate.edu)

8:00 am  Purple Nutsedge Management for Organic Vegetable Production. Carlene A. Chase*, Rosalie L. Koenig, Jeffery E. Pack, Clinton C. Warren; University of Florida, Horticultural Sciences Department, PO Box 110690, Gainesville, FL 32611 and Rosie’s Organic Farm. (cachase@ufl.edu)

8:15 am  Sandea/soil insecticide interaction studies in North Carolina potatoes. Roger B. Batts*, Dept. of Horticulture, Campus Box 7609, NC State Univ. 27695-7609, Andrew W. MacRae, PO Box 1209, Rural Development Center, Univ. Georgia, Tifton, GA 31793 (roger_batts@ncsu.edu)

8:30 am  Evaluation of Under-Plastic Herbicide Applications in Transplanted Tomato. Joseph G. Masabni*, Univ. of Kentucky, UKREC, PO Box 469, Princeton, KY 42445. (jmasabni@uky.edu)

8:45 am  Nutsedge control in tomato with combinations of Sandea (halosulfuron) and Dual Magnum (S-metolachlor). Wheeler G. Foshee, Collin W. Adcock, Glenn R. Wehtje, and Charles H. Gilliam, Auburn University. 101 Funchess Hall, Auburn, AL 36849 (foshewg@auburn.edu)

9:00 am  Break

9:15 am  Effects of reduced methyl bromide rates and mulches on nutsedge control. Bielinski M. Santos*, James P. Gilreath and Myriam N. Siham, Gulf Coast Research and Education Center, IFAS, University of Florida. 14625 County Road. 672, Wimauma, FL 33598 (bmsantos@ifas.ufl.edu)

9:30 am  Influence of virtually impermeable films on the efficacy of metam, chloropicrin and 1,3-dichloropropene on soilborne pest control. James P. Gilreath and Bielinski M. Santos*, Gulf Coast Research and Education Center, IFAS, University of Florida, 14625 County Road. 672, Wimauma, FL 33598 (bmsantos@ifas.ufl.edu)

9:45 am  Performance of methyl bromide alternatives for strawberry in Florida and Spain. Bielinski M. Santos*, José Manuel López-Aranda, James P. Gilreath, Luis Miranda, Carmen Soria, and Juan J. Medina. 1Gulf Coast Research and Education Center, IFAS, University of Florida. 14625 County Road. 672, Wimauma, FL 33598 2Instituto Andaluz de Investigación y Formación Agraria. IFAPA. CICE-Junta de Andalucía. Spain. (bmsantos@ifas.ufl.edu)

10:00 am  Impact of solarization and methyl bromide alternatives on greenhouse hot pepper production in Costa Rica. Bielinski M. Santos*, James P. Gilreath. Gulf Coast Research and Education Center, IFAS, University of Florida. 14625 County Road. 672, Wimauma, FL 33598; Laboratorio de Fitoprotección, Instituto de Innovación y Transferencia de Tecnología Agropecuaria, San José, Costa Rica (bmsantos@ifas.ufl.edu)

10:15 am  Delivering herbicides through drip irrigation lines: An alternative for weed management? Bielinski M. Santos* and James P. Gilreath. Gulf Coast Research and Education Center, IFAS, University of Florida, 14625 County Road. 672, Wimauma, FL 33598; (bmsantos@ifas.ufl.edu)

10:30 am  Field testing of possible BMPs for tomato grown in the Caribbean Basin. Eric Simonne*, David Studstill, Bob Hochmuth, George Hochmuth, Fritz Roka, Julia O’Hallorans, and Aparna Gazula, Horticultural Sciences Department, 1241 Fifield Hall, P.O. Box 110690, Gainesville, FL 32611. (esimmonne@mail.ifas.ufl.edu)

10:45 am  Evaluation of cowpeas (Vigna unguiculata ( L. ) Walp) for grain and fodder production in southwest Nigeria. Oluwatoyin S. Aribisala*, M.E. Aken’Ova. 1George Washington Carver Agricultural Experiment Station, Tuskegee University, AL 36088, 2Department of Agronomy, University of Ibadan, Ibadan, Nigeria. (toyinaribisala@yahoo.co.uk)

11:00 am  Yields and Fruit Production Patterns of Eleven Eggplant Cultivars. Brian A. Kahn* and Mark E. Payton, Depts. of Horticulture and Landscape Architecture and Statistics, Oklahoma State University, Stillwater, OK 74078 (brian.kahn@okstate.edu)
11:00 a.m  Southern Region - ASHS Annual Business Meeting and Awards Program

11:15 am  High Tunnel Production of Tomatoes and Snapdragons in Southeast Alabama. Wheeler G. Foshee III, Brad E. Reeder, Raymond J. Kessler Jr., Joseph M. Kemble, and William A. Dozier Jr. Auburn University, Department of Horticulture, 101 Funchess Hall, Auburn. AL 36849-5408 (foshewg@auburn.edu)

1:15 pm  Early Season Production of Tomatoes and Strawberries in High Tunnels in Alabama. J. M. Kemble, P. Sanders, W. Foshee, and D. Fields, Auburn University, Department of Horticulture, 101 Funchess Hall, Auburn, AL 36849-5408 (foshewg@auburn.edu)

1:45 pm  Plastic mulched bed width effects on pepper and cantaloupe yield. William Terry Kelley and David B. Langston, Jr. University of Georgia, P.O. Box 1209, Tifton, GA 31793. (wkelley@uga.edu)

2:00 pm  Tomato in-row spacing responses and implications. John. D. Downes*, Texas Tech Univ. Plant and Soil Sci. Lubbock, TX 79409. (dixiedownes_11@juno.com)

2:15 pm  Okra in-row Spacing Alters Plant Growth and Yield in South Florida. Teresa Olczyk*. University of Florida. IFAS Miami-Dade County Extension Service 18710 SW 288 Street Homestead, FL 33030-2309, Kent Cushman Southwest Florida Research & Education Center - UF/IFAS 18905 SW 280 Street Homestead, FL 33031. (twol@ifas.ufl.edu)

2:30 pm  Depth and width of the wetted zone after leaching irrigations on a sandy soil. Michela Farneselli*, David Studstill, Eric Simonne, and Bob Hochmuth, Horticultural Sciences Department, University of Florida, 1241 Fifield Hall, P.O. Box 110690, Gainesville, FL 32611. (esimmonne@mail.ifas.ufl.edu)

2:45 pm  Break

3:00 pm  Influence of compost on vegetable crop nutrient management. Doug Sanders*, Luz Reyes, David Monks, Katie Jennings, Frank Louws and Jim Driver, North Carolina State University, Department of Horticulture, Box 7609, Raleigh, NC 27695-7609. Lewis Flynn, McGuil-Leprechaun Composts, Invanhoe, NC (doug_sanders@ncsu.edu)

3:15 pm  Effect of washing/cutting on NO3-N and K sap concentrations on vegetable petioles. David Studstill*, Michela Farneselli, Eric Simonne, and Bob Hochmuth, Horticultural Sciences Department, University of Florida, 1241 Fifield Hall, P.O. Box 110690, Gainesville, FL 32611. (esimmonne@mail.ifas.ufl.edu)

3:30 pm  Optimization of drainage lysimeter design for field determination of nutrient loads. Aparna Gazula*, Eric Simonne, Michael Dukes, George Hochmuth, Bob Hochmuth, and David Studstill, Horticultural Sciences Department, University of Florida, 1241 Fifield Hall, P.O. Box 110690, Gainesville, FL 32611. (esimmonne@mail.ifas.ufl.edu)

3:45 pm  Effect of colored mulches on small (B size) irish potatoes (A three year study). Richard Hassell*, T. Phillips, and T. Hale. Coastal Research & Education Center Clemson University, 2700 Savannah Highway, Charleston, South Carolina 29414. (rhassel@clemson.edu)

4:00 pm  Production strategies for earliness in globe artichoke. Smiljana Goreta1*, Lovre Bucan1, Gvozden Dumicic1 and Daniel I. Leskovar2. 1Institute for Adriatic Crops, Put duilova 11, Split 21000, Croatia, and 2Texas Agricultural Experiment Station, Texas A&M University, 1619 Garner Field Rd., Uvalde, TX 78801. (SGoreta@ag.tamu.edu)

4:15 pm  Effects of nitrogen rates on summer squash growth and yield. Camille E. Esmel*, Bielinski M. Santos and James P. Gilreath. Gulf Coast Research and Education Center, IFAS, University of Florida, 14625 County Road, 672, Wimauma, FL 33598. (bmsantos@ifas.ufl.edu)

4:30 pm  Fruit size and stage of ripeness affect postharvest water loss in bell pepper fruit (Capsicum annuum L.). Juan Carlos Díaz-Pérez*, María Dolores Muy-Rangel, and Arturo Gaytán Mascorro, Department of Horticulture, Tifton Campus, University of Georgia. (jcdiaz@uga.edu)
HORTICULTURAL SCIENCE

4:45 pm Organic vegetable culture in Mississippi: Growing and profitable! W.B. Evans, K.W. Hood, K.L. Paridon*, and P.M. Hudson, Mississippi State University Truck Crops Branch, P.O. Box 231, Crystal Springs, MS 39059-0231 (wbe@ra.msstate.edu)

5:00 pm IR4 Update, New Pest Control Products Being Researched for the Vegetable Crops Industry. Charles Meister, PhD, University of Florida, IR4 Field Research Coordinator

FRUIT CROPS SECTION

Room: Marathon & Cedar
Presiding: James R. Ballington, Fruit Crops Section Chair

Abstracts must be electronically submitted to James R. Ballington (jim_ballington@ncsu.edu)

8:00 am Policies for Proprietary Release, Distribution and Sale of Fruit Crop Varieties and Germplasm by Land Grant Universities in the Southern Region: Introduction. Jim Ballington, Horticultural Science Department, North Carolina State University, Raleigh, NC 27695-7609

8:15 am Policies for Proprietary Release, Distribution and Sale of Fruit Crop Varieties and Germplasm at the University of Georgia. John Ingle, Director of Cultivar Development, University of Georgia Research Foundation, Athens, GA 30602.

8:45 am Policies for Proprietary Release, Distribution and Sale of Fruit Crop Varieties and Germplasm at North Carolina State University. Billy Houghteling, Technology Development Associate, Office of Technology Transfer, North Carolina State University, Raleigh, NC 27695-8210.

9:15 am Break

9:30 am Policies for Proprietary Release, Distribution and Sale of Fruit Crop Varieties and Germplasm at the University of Arkansas. John Clark, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701

10:00 am Sustainable Public Plant Breeding Programs. Berry Treat, Assistant Director, Research Programs/Germplasm Property, Florida Agricultural Experiment Station and Florida Foundation Seed Producers, Inc., University of Florida, Gainesville, FL 32611-0200

HORTICULTURAL SCIENCE

10:30 am Discussion

10:45 am Adjourn for SR-ASHS Business Meeting

Afternoon Session

1:15 pm Evaluation of Chemical and Physical Methods for Roundup Injury Protection in Seven Tree Fruit Rootstocks. Joseph G. Masabi, University of Kentucky Research and Extension Center, Princeton, KY 42445

1:30 pm Performance of Pawpaw Cultivars in South Carolina. Gregory L. Reighard, Department of Horticulture, Clemson University, Clemson, SC 29634-0319

1:45 pm Performance of Guardian Rootstock in North Carolina. Michael L. Parker, Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695-7609

2:00 pm A Proposal for the Establishment of a Southern Region Apple Improvement Program. James R. Ballington, Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695-7609

2:15 pm Suitable Regions for Blueberry Growing in China. Yu Hong, CY Wang, Y Gu, SA He. Nanjing Botanical Garden, Institute of Botany, Jiangsu Province and Chinese Academy of Sciences, P. O. Box 1435, Nanjing 210014, PR China (shananhe@public1.ptt.js.cn)

2:30 pm El Niño-Southern Oscillation Effects and Forecasting Chill Unit Accumulation for Deciduous Fruit Crops in the Southeastern USA. Bellow, J., Southeast Climate Consortium Florida State University, 200 R.M. Johnson Bldg., Tallahassee, FL 32306-2840 (bellow@coaps.fsu.edu)

2:45 pm IR4 Update, New Pest Control Products Being Researched for the Fruit Crops Industry. Charles Meister, PhD, University of Florida, IR4 Field Research Coordinator

Floriculture, Ornamentals & Turf Section

Room: Largo
Presiding: John Ruter, Floriculture, Ornamentals & Turf Section Chair.
Abstracts must be electronically submitted as attachments to Dr. John Ruter, (ruter@uga.edu)

8:00 am  Integrating Ornamental Ponds in South Florida’s Tropical Landscape.  Christian L. Miller* and Joseph F. Garofalo, University of Florida, Miami-Dade County Extension Service, 18710 SW 288th St., Homestead, FL 33030. (millec4@ifas.ufl.edu).

8:15 am  Opportunities for Exporting Landscape Plants from South Florida to the Caribbean Nations. Ahmad R. Rafie* and Joseph F. Garofalo, University of Florida, Miami-Dade County Extension Service, 18710 SW 288th St., Homestead, FL 33030.

8:30 am  As the Growers See It: A Survey of Hurricane Katrina Damage to Nursery Crops and Structures in Miami-Dade, Florida. Joseph F. Garofalo and Marcelo Siqueira, University of Florida, Miami-Dade County Extension Service, 18710 SW 288th St., Homestead, FL 33030 and Altria Lab Plants, LLC, 18700 SW 272nd Street, Homestead, FL 33031. (JGarofalo@mail.ifas.ufl.edu).

9:00 am  Longterm Survival of Golden-Trumpet Tree, Tabebuia chrysotricha and Copperpod, Peltophorum pterocarpum on Rockland Soil in South Florida. Joseph F. Garofalo*, University of Florida, Miami-Dade County Extension Service, 18710 SW 288th St., Homestead, FL 33030. (JGarofalo@mail.ifas.ufl.edu).

9:15 am  Tree Canopy Microclimates and Winter Injury to Woody Ornamentals. Derald A. Harp*, Department of Agricultural Sciences, Texas A&M University, Commerce, TX 75429 (Derald_Harp@tamu-commerce.edu).

9:30 am  Influence of Age of Plant Tissue on Propagation of Stem Cuttings of Murraya paniculata and Tecoma stans. Christopher B. Cerveny*, James L. Gibson, and James E. Barrett, University of Florida, 1545 Fifield Hall, Gainesville, FL 32608 (cervenyc@ifas.ufl.edu).

9:45 am  Media Influence on Post-Harvest Container Plant Quality in a Retail Nursery Setting. Angelina de los Rosarios Lopez*, Edward Bush, Paul Catledge, Ann Gray, Allen Owings, Charles Johnson, and Paul Wilson, Louisiana State University, Horticulture Department, Julian C. Miller Hall, Baton Rouge, LA 70803 (alopez3@lsu.edu)

10:00 am  Production Protocols for Greenhouse Forcing of Selected Woody Plants. Natalia Hamill* and Allan Armitage. University of Georgia, Department of Horticulture, 1111 Miller Plant Science, Athens, GA 30602 (hamill@uga.edu)

10:15 am  Staking Affects Growth of Containerized Seedling Trees. Thayne Montague*, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122 (thayne.montague@ttu.edu).

10:30 am  Preventing Blow-Over of Nursery Containers. Dick Parish*, Hammond Research Station - LSU Ag Center, 21549 Old Covington Highway, Hammond, LA 70403 (dparish@agcenter.lsu.edu).

Afternoon Session

1:30 pm  Particle-Size Distribution of Bark Substrates and the Affects on Plant and Medium Relationships. Michael P. Richard* and Ed Bush, Louisiana State University, Department of Horticulture, 1134 Cornerstone Dr., Baton Rouge, LA 70810 (mricha8@lsu.edu).

1:45 pm  Controlling Broadleaf Weeds in Groundcovers. Christina Walsworth* and Ed Bush, Louisiana State University, Department of Horticulture, 1134 Cornerstone Dr., Baton Rouge, LA 70810 (mclwalsworth@bellsouth.net).

2:00 pm  Height Control of Herbaceous Perennials Forced using Night-Interrupted Lighting under Nursery Conditions. Gary J. Keever and J. Raymond Kessler*, Department of Horticulture, 101 Funchess Hall, Auburn University, AL 36849 (kesslerjr@auburn.edu).

2:15 pm  Controlling Little-Leaf Disorder on Loropetalum chinese var. rubrum with Foliar Applications of Copper. John M. Ruter*, University of Georgia, Department of Horticulture, 115 Coastal Way, Tifton, GA 31794 (ruter@uga.edu).

2:30 pm  The Influence of Cooling on Woody Shrubs Used for Greenhouse Forcing. Allan M. Armitage* and Natalia Hamill, University of Georgia, Department of Horticulture, Athens, GA 30602 (armitage@uga.edu)
HORTICULTURAL SCIENCE

2:45 pm Nitrogen Fertilization, Fungicide, and Planting Date Affect The Growth and Disease Incidence of Vinca (Catharanthus roseus) in Landscape Plantings. Yan Chen*. LSU AgCenter Hammond Research Station, 21549 Old Covington Hwy., Hammond, LA 70403 (yachen@agcenter.lsu.edu)

HORTICULTURAL SCIENCE

9:45 am Fruit size and stage of ripeness affect postharvest water loss in bell pepper fruit (Capsicum annuum L.). Juan Carlos Díaz-Pérez*, María Dolores Muy-Rangel and Arturo Gaytán Mascorro, 226 Horticulture Bldg., Department of Horticulture, University of Georgia, CAES-Tifton, Tifton, GA 31793 (jcdiaz@uga.edu)

HORTICULTURAL SCIENCE

10:00 am Edamame Vegetable Soybean Production in Tennessee. Debra Carpenter*, Alison Stewart, Vince Pantalone, Carl Sams, Dennis Deyton and Fred Allen, The University of Tennessee, Plant Sciences Department, 2431 Joe Johnson Drive, 252 Ellington PSB, Knoxville, TN 37996-4561. (vpantalo@utk.edu)

HORTICULTURAL SCIENCE

8:15 am Master gardener perception of genetically modified ornamental plants. W.E. Klingeman*, C.R. Hall and E.W. Babbit, The University of Tennessee, Plant Sciences Department, 2431 Joe Johnson Drive, 252 Ellington PSB, Knoxville, TN 37996-4561. (wklingem@utk.edu)

HORTICULTURAL SCIENCE

8:30 am Phenolic composition and antioxidant activity in sweetpotato root and leaf tissues at different developmental stages. M.S. Padda and D.H. Picha*, Department of Horticulture, Louisiana State University Agricultural Center, Baton Rouge, LA 70803 (dpicha1@lsu.edu)

HORTICULTURAL SCIENCE

8:45 am Lycopene content of organically grown tomatoes. Penelope Perkins-Veazie*, Warren Roberts and Julie K. Collins, USDA-ARS, SCARL, Lane, OK & WWREC, Oklahoma State University, Lane, OK 74555. (pperkins-usda@lane-ag.org)

HORTICULTURAL SCIENCE

9:00 am Potential of chlorine dioxide treatment to extend longevity of cut flowers. Andrew J. Macnish*, Ria T. Leonard and Terril A. Nell. Environmental Horticulture, P.O. Box 110670, University of Florida, Gainesville, FL 32611 (amacnish@ifas.ufl.edu)

HORTICULTURAL SCIENCE

9:15 am Flower abscission and anthocyanin development in cut phlox flower heads: Effect of ethylene inhibitors and sucrose. Wayne A. Mackay*, Environmental Horticulture, Texas A&M University - Dallas, 17360 Coit Rd., Dallas, TX 75252 (w-mackay@tamu.edu)

HORTICULTURAL SCIENCE

9:30 am Break
Guidelines for Electronic Submission of Abstracts for the Southern Region - American Society for Horticultural Science
2006 Conference in Orlando, Florida

Abstracts for papers presented at the Southern Region - American Society for Horticultural Society annual conference in Orlando, Florida, February 4-6, 2006 will be submitted electronically to the appropriate Section Chair.

The abstract should include: title, author(s) (presenting author indicated with an asterisk), affiliation(s) and abstract. Do not allow the length to exceed approximately 250-275 words. Use Times New Roman, 12 pt font. Please use Word software only for your submission.

Section-Chairs or Coordinators must receive abstracts by February 15, 2006. Section Chairs will contact authors of missing abstracts to confirm if they will be submitting an abstract. Abstracts will be submitted by e-mail as an attached word processing file.

The Southern Region - ASHS must pay for the publication of abstracts, therefore at least one author must be a Southern Region - ASHS member who has paid the conference registration fee.

Section Chairs and Coordinators will send the abstracts, along with a copy of the program, to Nancy Hubbell, Managing Editor of HortScience at ASHS Headquarters by March 1, 2006.
2:30-245 - Discussion

2:45-3:00 - Break

Student presentations – Mike Benson, SDAPS Past-President, presiding

3:00-3:15 - Impacts occurring on North Carolina packing lines and their effect on weight loss and Rhizopus soft rot in sweetpotato. B.A. EDMUNDS and G.J. Holmes, Dept. of Plant Pathology, North Carolina State University, Raleigh NC 27695

3:15-3:30 - Development of a bioassay to quantify fungicide residues on peanut foliage. J.E. WOODWARD and T.B. Brenneman, Dept. of Plant Pathology, Univ. of Georgia, Tifton, GA 31793

3:30-3:45 - Occurrence of race 4 of Phytophthora nicotianae in tobacco. C.A. GALLUP (1), M.J. Sullivan (1), W.C. Nesmith (2), and H.D. Shew (1). (1) Plant Pathology, NC State Univ, Raleigh NC 27695; (2) Univ of Kentucky, Lexington, KY

3:45-4:00 - Sporulation of Alternaria alternata, the cause of brown spot of tangerine as affected by lesion age and fungicide application. R.F. REIS (1), A. de Goes (1), S.N. Mondal (2), and L.W. Timmer (2). (1) São Paulo State University, Jaboticabal, SP 14884, Brazil; (2) University of Florida, Citrus Research and Education Center, Dept. of Plant Pathology, Lake Alfred, FL 33850 USA.


4:15-4:30 - Effect of field resistance to the soybean cyst nematode on soybean sudden death syndrome development and yield components. S.L. GIAMMARIA and J.C. Rupe. Department of Plant Pathology, University of Arkansas, Fayetteville, AR 72701


4:45-5:00 - Molecular and biochemical characterizations of elsinochrome toxins produced by Elsinoe fawcettii causing citrus scab. H.-L. LIAO and K.-R. Chung. Citrus Research and Education Center and Department of Plant Pathology, University of Florida, Lake Alfred, FL 33850

5:00-5:15 - Genetic diversity of Tennessee Sclerotinia homoeocarpa isolates delineated by vegetative compatibility and AFLP analysis. R.E. DEVRIES (1), R.N. Trigiano (1), M.T. Windham (1), A. Windham (1), and T.A. Rinehart (2). (1) University of Tennessee, Dept. of Entomology and Plant Pathology, Knoxville, TN 37996; (2) USDA/ARS, Southern Horticultural Laboratory, Poplarville, MS 39470.

5:30-6:30 - SDAPS Executive Committee Meeting (Executive Boardroom)

4:00-6:00 - SAAS Opening and General Session and Symposium (Orange and Lemon)

6:30–8:30 - SAAS Reception (East Pool Pavilion)

Monday, February 6, 2006

8:00-11:30 a.m. - Registration (Palms Ballroom Foyer)

8:00 - Announcements
Tim Brenneman, SDAPS President (Magnolia)

Contributed papers – Bob Kemerait, presiding


8:15-8:30 - Distribution of methyl isothiocyanate (MITC) in Vapam-treated plastic-mulched sandy soil beds. B.L. CANDOLE (1), A. S. Csinos, (1) and D. Wang (2). (1) University of Georgia, Tifton, GA; (2) University of Minnesota, St. Paul, MN.
8:30-8:45 - Incidence of damping-off in soils solarized and planted single or multiple years in South Carolina. S.M.C. NJOROE (1), J.E. Toler (2), and A.P. Keinath (1). Clemson Univ. (1) Coastal REC, Charleston, SC 29414; (2) Dept. Appl. Econ. & Stat., Clemson, SC 29634.

8:45-9:00 - Managing mefenoxam-tolerant isolates of Phytophthora capsici on bell peppers. C.S. KOUSIK. U.S. Vegetable Laboratory, USDA-ARS, Charleston, SC 29414.

9:00-9:15 - Effects of zoxamide and dimethomorph on production and germination of zoospores of Phytophthora capsici. A.P. KEINATH and P. McLaughlin. Clemson University, Coastal REC, Charleston, SC 29414.


9:30-9:45 - Sentinel plot and commercial field monitoring of Asian soybean rust in Georgia in 2005. L.E. SCONYERS (1), R.C. Kemerait (1), D.V. Phillips (2), and P.H. Jost (3). Dept. of Plant Pathology, University of Georgia, (1) Tifton, GA 31793; (2) Griffin, GA 30223; (3) Dept. of Crop and Soil Science, University of Georgia, Statesboro, GA 30460.

9:45-10:00 - Break

Contributed papers – Jeff Wilson, presiding

10:00-10:15 - Recovery of Didymella bryoniae from melon crown debris. A.P. KEINATH. Clemson University, Coastal REC, Charleston, SC 29414-5329.


PLANT PATHOLOGY

1:30-1:45 - Leaf blight in Dogwood (Cornus spp.) caused by Phytophthora sp. MARGARET T. MMBAGA and Frank Mrema. Tennessee State University, Otis Floyd Research Center, McMinnville TN 37110.

1:45-2:00 - Epidemiology of powdery mildew on flowering dogwood in Tennessee. Y. H. Li (1), M. T. Windham (1), R. N. Trigiano (1), D. C. Fare (2), J. M.Spiers (3), and W. E. Copes (3). (1) Dept. of Entomology and Plant Pathology, University of Tennessee, Knoxville, TN; (2) USDA/ARS Floral & Nursery Plants Research Unit, McMinnville, TN; (3) USDA/ARS Southern Horticultural Research Unit, Poplarville, MS.

2:00-2:15 - New disease of Syagrus romanzoffiana (queen palm) in Florida. M.L. ELLIOTT. Fort Lauderdale Research and Education Center, University of Florida, Fort Lauderdale, FL 33314.

2:15-2:30 - Fungi and bacteria associated with watermelon vine decline in Florida. P.D. ROBERTS (1), S. Adkins (2), and B.D. Bruton (3). (1) University of Florida, 2686 SR 29 N, Immokalee, FL 34142; (2) USDA-ARS, Ft. Pierce, FL 34945; (3) Lane, OK 74555.

2:30-2:45 - New host and location reports for Tomato spotted wilt virus (TSWV) and Iris yellow spot virus (IYSV). C. NISCHWITZ, R. D. Gitaitis, A. S. Csinos and S. W. Mullis. University of Georgia, Coastal Plain Experiment Station, Dept. of Plant Pathology, Tifton, GA 31794.

2:45-3:00 - Identification of Armillaria species on daylily based on ribosomal ITS and IGS-1 sequences. K.E. BUSSEY and G. Schnabel. Dept. of Entomology, Soils and Plant Sciences, Clemson University, Clemson, SC 29634.

3:00-3:15 - Break

Contributed papers – Tyler Harp, presiding

3:15-3:30 - University of Florida Certificate in Plant Pest Risk Assessment and Management. R.J. McGovern (1) and N.C. Leplia (2). (1) Plant Medicine Program and Plant Pathology Department; (2) IPM Program and Entomology & Nematology Department, University of Florida, IFAS, CALS, Gainesville, FL 32611.

3:30-3:45 - Mandipropamid: A new fungicide for control of lateblight and downy mildews. TYLER HARP (1), Gary Cloud (2), Brad Minton (3), and Alex Cochran (4). Syngenta Crop Protection, (1) Vero Beach, FL; (2) Tallahassee, FL; (3) Cypress, TX; (4) Visalia, CA.

3:45-4:00 - Timing Applications of ASM in Tobacco for TSWV Management. A.S. CSINOS(1), M.G. Stephenson(2), L.L. Hickman(1) and S. Mullis(1), (1)Dept. of Plant Pathology; (2) Crop and Soil Sciences Dept.,University of Georgia, CPES, Tifton, GA 31793.

4:00-4:15 - Use of chlorpyrifos to supplement full- and reduced-input fungicide programs for control of peanut stem rot. T. B. BRENNEMAN (1) and S. L. Brown (2). (1) Dept. Plant Pathology; (2) Dept. Entomology, University of Georgia, Tifton, GA 31794.


4:30-4:45 - The use of Serenade MAX and Sonata in integrated programs to control gummy stem blight and downy mildew in watermelons. H. Brett Highland. AgraQuest Inc., Nokomis, FL 34275.

4:45-5:45 - SDAPS Business Meeting
Tim Brenneman, SDAPS President, presiding

6:00-9:00 - SDAPS Social (cash bar) and Southern Division deBary Bowl (Palms Ballroom A)

NOTE -- The SDAPS meeting ends Monday night. An IR4 Phytophthora capsici Disease Workshop will be held from 8 a.m to 5 p.m. on Saturday, February 4, in Oleander A. For additional information, contact David Thompson (732-932-9575 x613).
Sunday, February 5, 2006
--- Longboat

1:30 p.m. - RCAS Executive Board Meeting
Presiding – Robert Dunker, President

Monday, February 6, 2006
--- Palms Ballroom Salon I

7:00 a.m. - Registration
Dr. Mike Phillips, Secretary, RCAS
Center Director, Southwest Research and Extension Center, Hope, AR

8:00 - Opening Remarks and Introductions
Robert Dunker, President, RCAS
University of Illinois Crop Research & Education Center, Urbana, IL

8:15 - Welcome to Florida and Florida Agriculture
University of Florida Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL

9:00 - Hurricane Katrina: Preparation and Aftermath
Dr. Regina Bracy, Resident Coordinator, Hammond Research Station, Hammond, LA

9:30 - Break

10:00 - Preparing for and Dealing with Natural Disasters
North Carolina Research Stations and North Carolina Department of Agriculture, Raleigh, NC

Tuesday, February 7, 2006
--- Palms Ballroom Salon I

8:00 a.m.- Bioenergy: Has Its Time Finally Come?
Dr. David Bransby, Professor, Energy Crops and Bioenergy, Forage/Livestock Management, Department of Agronomy and Soils, Auburn University, Auburn, AL

9:00 - Alternative Energy for Agriculture
Mr. Shannon Vineyard, President, Vinyard Technology Systems, Inc., Hartford, AL

10:00 - Break

10:30 - Alternative Fuels Usage at University of Kentucky
Dr. Bill Peterson, Director, Management Operations, University of Kentucky, Lexington, KY

11:00 - RCAS General Business Session

12:00 - Lunch

1:30 - Oklahoma Agriculture Experiment Station Encroachment: Problems and Solutions
R. Brent Westerman, Oklahoma Agriculture Experiment Station, Field and Research Service Unit Stillwater, OK

2:00 - Panel Discussion: Effective Review of Research Centers
Panel Members:
Dr. Pete Schultz, Director, Hampton Roads Agricultural Research and Extension Center, Virginia Beach, VA
Mr. Fred Perry, Director, University of California Research and Extension Centers, University of California, Davis, CA
Mr. Fred Swanson, Superintendent, Kearney Research and Extension Center, Parlier, CA

3:00 - General Discussion

3:30 - Adjourn
SOUTHERN RURAL SOCIOLOGICAL ASSOCIATION
ANNUAL MEETING

“Rural Leadership and Legacy: Partnering for Progress”

February 4 – 8, 2006
Orlando, Florida

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RURAL SOCIOLOGY

Southern Rural Sociological Association Meeting
Orlando, Florida
February 4 – 8, 2006

Sunday, February 5

8:30 A.M. – 4:00 P.M.
Registration
PALMS BALLROOM FOYER

9:00 A.M. – 11:00 A.M.
SRSA EXECUTIVE COUNCIL MEETING
OLEANDER A

9:00 A.M. – 1:00 P.M.
Poster Set-up
PALMS BALLROOM – SALON E

11:30 A.M. – 12:30 P.M.
SRSA Rural Education Task Force Meeting
OLEANDER A

12:30 P.M. – 1:00 P.M.
Meet and Greet Conference Attendees
OLEANDER A

1:15 P.M. – 2:15 P.M.
SESSION 1 – CHANGING RURAL DYNAMICS
OLEANDER A
Moderator: Christopher Davis, Economist, ERS-USDA

Panel: Changing Dynamics in Rural Communities: Partnering for Success
Organizers:
Committee on the Opportunities and Status of Blacks in Agricultural Economics (COSBAE)
Christopher Davis, Economic Research Service, USDA
Keithly Jones, Economic Research Service, USDA
Doris Newton, Economic Research Service, USDA
Bill Edmondson, Economic Research Service, USDA
Participants:
Deacue Fields III, Auburn University
Doris Newton, Economic Research Services
Ntam Baharanyi, Tuskegee University
Daniel Rainey, Arkansas State University
Dave Weatherspoon, Michigan State University
Dovi Weatherspoon, Alcorn State University
Ashok Mishra, Economic Research Services
RURAL SOCIOLOGY

2:15 p.m. – 2:30 p.m.
Break
PALMS BALLROOM FOYER

2:30 p.m. – 3:30 p.m.
SESSION 2 —
LOCAL COMMUNITIES AND INDUSTRIALIZED AGRICULTURE
OLEANDER A
Moderator: Odili Onianwa, Alabama A&M University

Global Sourcing in the Broiler Industry: The Case of Tyson Foods and Pilgrim’s Pride
Douglas H. Constance, Sam Houston State University

North Carolina’s Black Belt and Industrialized Agriculture
Godfrey Ejimakor, North Carolina A&T State University
Makesi Ormond, North Carolina A&T State University
Obinna Acharake, North Carolina A&T State University

Trends and Impacts of Farmland Conversion in Alabama
Maribel N. Mojica, Alabama A&M University
James O. Bukenya, Alabama A&M University

2:30 p.m. – 3:30 p.m.
SESSION 3 — BLACK BELT INITIATIVE
GARDEN ROOM
Moderator: Rosalind Harris, University of Kentucky

Panel: Rural Social Scientists Engage the Black Belt Initiative
Organizer: Rosalind Harris, University of Kentucky
Panelists:
Ntam Baharanyi, Tuskegee University
Sokoya Finch, Florida Family Network
Rosalind Harris, University of Kentucky
Terrence Thomas, North Carolina A&T State University
Veronica Womak, Georgia College and State University
Dreamal Worthen, Florida A&M University

RURAL SOCIOLOGY

4:00 p.m. – 6:00 p.m.
SAAS GENERAL SESSION
ORANGE AND LEMON

6:00 p.m. – 8:30 p.m.
SAAS RECEPTION
EAST POOL PAVILION

Monday, February 6

8:00 a.m. – 4:00 p.m.
Registration
PALMS BALLROOM FOYER

7:30 a.m. – 8:30 a.m.
Keynote Speaker
OLEANDER A

8:30 a.m. – 9:30 a.m.
SESSION 4 — RISK MANAGEMENT CATALYSTS
OLEANDER A
Moderator: Tracy Dunbar, University of Arkansas at Pine Bluff

Warriors and Winners: Risk Management Catalysts
Organizer:
Mary Mafuyai-Ekanem, North Carolina A&T State University
Panelists:
Charlotte Ham, Tuskegee University
Elicia Chevarest, Alabama A&M University
Mary Mafuyai-Ekanem, North Carolina A&T State University

8:30 a.m. – 9:30 a.m.
SESSION 5 — RURAL EDUCATION ISSUES
GARDEN ROOM
Moderator: Glenn Israel, University of Florida

Panel: Rural Education Issues: Notes from the SRSA Rural Education Task Force
Organizer: Glenn Israel, University of Florida, Chair, SRSA Rural Education Task Force
Panelists:
Glenn Israel, University of Florida
Mark Schafer, Louisiana State University
Ed Reeves, Morehead State University
Don Albrecht, Texas A&M University
8:30 A.M. – 10:15 A.M.  
SESSION 6: POSTER DISPLAY [Authors Present]  
PALMS BALLROOM – SALON E  
Moderator: Mary Mafuyai-Ekanem

Poster #1: Animal Waste Management Practices at Limited Resource Farms in Alabama  
Ericka Soumare, Alabama A&M University  
Duncan M. Chembezi, Alabama A&M University  
Joseph Befecadu, Alabama A&M University  
E'licia L. Chaverest, Alabama A&M University

Poster #2: The Development of a Rural Community Capacity Index – Based on Cornelia Flora’s “Community Capital Framework”  
Elizabeth Higgins, Louisiana Tech University  
Patrick McCorkle, Louisiana Tech University  
Dave Norris, Louisiana Tech University  
Deborah Tootle, Louisiana State University

Poster #3: An Economic Evaluation of Rabbit Production as an Alternative Enterprise for Small Farmers in North Alabama  
Jermisha Johnson, Alabama A&M University  
Hezekiah Jones, Alabama A&M University  
Joseph Befecadu, Alabama A&M University

Poster #4: Texas Latino Attitudes Toward Natural Resources and The Environment: "Survey Says..."  
Angelica Lopez, Texas A&M University  
Cruz C. Torres, Texas A&M University

Poster #5: A Case Study of the Socioeconomic Impacts of Technology Transfer on a Philippine Company: Eliminating Aflatoxin in Peanut-Based Products  
Robert L. Moxley, North Carolina State University  
William B. Clifford, North Carolina State University  
Flor Crisanta F. Galvez, University of the Philippines/Diliman  
Ma. Leonora D.L. Francisco, University of the Philippines/Diliman

10:15 a.m. – 10:30 a.m.  
Break  
PALMS BALLROOM FOYER

10:30 A.M. – 11:30 A.M.  
SESSION 7 -- RURAL LEADERSHIP AND WOMEN ISSUES  
GARDEN ROOM  
Moderator: Kim Bradford, USDA-NRCS-ENTSC

Rural Leadership Development: A Synthesis of Research  
Eric K. Kaufman, University of Florida  
Rick D. Rudd, University of Florida

Leadership Style of the National Agricultural Women’s Groups in Thailand  
Oranutda Chinnasri, University of Hawaii at Manoa

10:30 A.M. – 11:30 A.M.  
OLEANDER A  
SESSION 8 -- SPECIAL ISSUES IN RESEARCH I  
Moderator: Deborah M. Tootle, Louisiana State University

Sources and Channels of Information Used By Florida Adult Horse Owners  
Kristen M. Spahn, University of Maryland  
Glenn Israel, University of Florida
Do African Americans Living With HIV Disease Believe That Antiretroviral Medications Can Kill Patients?
Andrew A. Zekeri, Tuskegee University
Tsegaye Habtemariam, Tuskegee University
Consumers’ Food Expenditures and Consumption Patterns
Courtney Finch, Tennessee State University

11:30 a.m. – 1:00 p.m.
Awards Luncheon
POOLSIDE PAVILION
PRESIDENTIAL ADDRESS
PATRICIA DYK, SRSA PRESIDENT
“RURAL LEADERSHIP AND LEGACY: PARTNERING FOR PROGRESS”

1:30 p.m. – 2:30 p.m.
SESSION 9 – FUNDING OPPORTUNITIES
OLEANDER A
Moderator: Douglas Constance, Sam Houston State University
Panel: Southern Sustainable Agriculture Research and Education Grant Opportunities
Organizers:
Douglas Constance, Sam Houston State University
Jeffrey Jordan, University of Georgia, Griffin

2:45 P.M. – 4:45 P.M.
SESSION 11
OLEANDER A
Special Workshop: Entrepreneurial Coaching
Ron Hustedde, University of Kentucky

Tuesday, February 7
8:00 A.M. – 10:00 A.M.
SESSION 12 -- FOOD SECURITY, FOOD SAFETY AND WELFARE ISSUES I
OLEANDE A
Moderator: Fisseha Tegegne, Tennessee State University
A Profile of Food Pantry Directors in the Deep South
Patricia A. Duffy, Auburn University
Marina Irimia-Vladu, Auburn University
Suzie Cashwell, Western Kentucky University
John Bartkowski, Mississippi State University
Joseph J. Molnar, Auburn University
Vanessa Casanova, Auburn University
Attitudes and Preferences Regarding Farmers Market and Supermarket Produce: A Comparison of Statewide and On-site Consumer Survey
Lamonica Glinton, Alabama A&M University
Maribel Mojica, Alabama A&M University
Odili Onianwa, Alabama A&M University
Edward Williams, Alabama A&M University
Gerald Wheelock, Alabama A&M University

9:00 A.M. – 10:00 A.M.
SESSION 13 -- FOOD SECURITY, FOOD SAFETY AND WELFARE ISSUES II
OLEANDER A
Moderator: Fisseha Tegegne, Tennessee State University
A Decade and a Half of College Student Health Practice Trends in a Landgrant University
Wolfgang Frese, Mississippi State University
Lynne Rich, Mississippi State University
Economic Feasibility of Incorporating Herbs and Spices in Small Farm Operations in Alabama
Steven Wright, Alabama A&M University
Hezekiah Jones, Alabama A&M University
Joseph Bevecadu, Alabama A&M University
Economic Survival Strategies of Food Insecure Single Mothers in Rural Alabama
Andrew A. Zekeri, Tuskegee University

Forward-Looking Behavior and Time Limits: How Do Rural TANF Clients Manage Their Welfare Eligibility? Deborah A. Harris, Mississippi State University Domenico Parisi, Mississippi State University

Supper in the South: An Exploratory Look at Food Prices in Metropolitan and Micropolitan Areas in the Southern United States Julie N. Zimmerman, University of Kentucky Sarah Michelle Frank, University of Kentucky Seonok (Sunny) Ham, University of Kentucky

Home Language and Educational Achievement: Mediating Effects of Family Social Capital and Residence Georgia E. Bianchi, University of Florida Glenn D. Israel, University of Florida

Social Factors as Determinants of Rural Poverty in Some Village of Matrooh Governorate in Egypt Ashraf Ragab El-Ghannam, Agricultural Research Center, Egypt.

Big Bend People & Goats as a Witness for Goat Raising in the Agricultural Sector George K. Floro, Sul Ross State University, Big Bend People & Goats, Studies of Voluntarism and Social Participation

8:00 A.M. – 9:00 A.M.
SESSION 14 – SOCIAL CAPITAL AND POVERTY I GARDEN ROOM
Moderator: Albert Allen, Mississippi State University

9:00 A.M. – 10:00 A.M.
SESSION 15 – SOCIAL CAPITAL AND POVERTY II GARDEN ROOM
Moderator: Albert Allen, Mississippi State University

Visual Cues and Response Format Effects in Mail Surveys
Glenn D. Israel, University of Florida

Livestock, Livelihoods and Poverty in the Eastern Cape Province of South Africa Christopher Phiri, Fort Hare Institute of Social & Economic Research, South Africa

10:00 A.M. – 10:15 A.M.
BREAK PALMS BALLROOM FOYER

10:30 A.M. – 11:30 A.M.
SESSION 16 – SMALL FARMS ISSUES OLEANDER A
Moderator: Surendra Singh, Tennessee State University

Panel: Small Farm Issues: Implications for Research, Outreach and Education in Rural Development Organizer: Enefiok Ekanem, Tennessee State University Panelists: Fisseha Tegegne, Tennessee State University Surendra Singh, Tennessee State University Denis Ebodaghe, USDA Roy Bullock, Tennessee State University Mary Mafuyai-Ekanem Saftar Muhammad

10:30 A.M. – 11:30 A.M.
SESSION 17 -- RURAL COMMUNITIES I GARDEN ROOM
Moderator: Dennis Ebodaghe, CSREES-USDA

Time Use on America’s Farms Mary Ahearn, USDA-Economic Research Service Karen Hamrick, USDA-Economic Research Service

Poor Places and Poor Health Outcomes: A Case Study of a Rural Pennsylvania Community Eric Cohen, Penn State Fayette, The Eberly Campus

Methamphetamine Production and the Rural-Urban Continuum: How Does Local Context Impact the Location of Clandestine Meth Labs? Deborah A. Harris, Mississippi State University J. Michelle Estis-Sumerel, Mississippi State University

The Community Context for Early Childhood Education Glenn D. Israel, University of Florida Chris Borek, University of Florida
11:30 A.M. – 12:30 P.M.
SESSION 18 – RURAL COMMUNITIES II
OLEANDER A
Moderator: Gene Theodori, Texas A&M University

Parental Resources and High School Quality in the Context of the Rural Gap in Postsecondary Educational Attainment
Edward B. Reeves, Morehead State University

Community Participation: Investigating Who Participates? and Why?
Gene L. Theodori, Texas A&M University

Community Based Organizations (CBO) Values, Governance, Institutional Capacity and Performance in a Dynamic Environment
Terrence Thomas, North Carolina A&T State University
Benjamin Gray, North Carolina A&T State University

11:30 A.M. – 12:30 P.M.
SESSION 19 – ENVIRONMENTAL AND NATURAL RESOURCE POLICY ISSUES
GARDEN ROOM
Moderator: Surendra Singh, Tennessee State University

Texas Latino Attitudes Toward Natural Resources and the Environment
Angelica Lopez, Texas A&M University
Cruz C. Torres, Texas A&M University

What are the Implications of the Tobacco Buyout for Small Farmers?
Fisseha Tegegne, Tennessee State University
Enefiok Ekanem, Tennessee State University
Safdar Muhammad, Tennessee State University
Surendra Singh, Tennessee State University

12:30 P.M. – 1:30 P.M.
SRSA EXECUTIVE COUNCIL MEETING
OLEANDER A

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Richmond, VA 23261

Conference participants are encouraged to write
and thank their state Federation for the support of
the SAAS Social.

Southern Association of
Agricultural Scientists

Future Meeting Dates & Locations

2007 – Mobile, AL (Feb. 03-07)

2008 – Dallas, Texas (Feb. 02-06)