One Hundred and Second Annual Meeting

SOUTHERN ASSOCIATION OF AGRICULTURAL SCIENTISTS

Little Rock, Arkansas
February 05-09, 2005
For their support of the Southern Association of Agricultural Scientists, special thanks are expressed to:

For the Reception:

SOUTHERN FARM BUREAU LIFE INSURANCE COMPANY
Mr. Carl B. Loop, Chairman & President
1401 Livingston Lane - 39213-8098
P. O. Box 78
Jackson, Mississippi  39205
(601) 981-7422

For the Board Breakfast:

WINROCK INTERNATIONAL
2101 Riverfront Drive
Little Rock, Arkansas  72202
(501) 280-3000

For the Lanyards:

DELL INC.
One Dell Way
Round Rock, TX 78682

For the printing of the programs:

LSU AgCenter
P.O. Box 25203
Baton Rouge, LA 70894
(225) 578-41645

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

Thank you for attending and taking part in this effort!
# TABLE OF CONTENTS

## SAAS

- Registration ................................................................. 1
- Programs ........................................................................ 1
- Executive Committee Meetings ................................. 1
- Opening Session & General
  - Business Meeting .................................................. 2
  - Special Programs ..................................................... 3

## Association Programs

- Academic Department Heads ........................................ 4
- Administrative Heads .................................................. 5
- Agricultural Communications ....................................... 6
- Agricultural Economics ................................................ 8
- Agricultural Education ............................................... 32
- Animal Science .......................................................... 40
- Biochemistry & Biotechnology ..................................... 59
- Horticultural Science .................................................. 60
- Plant Pathology ........................................................... 79
- Research Center Administrators ................................. 83
- Rural Sociology ........................................................... 85

## SAAS 2004-05 Officers

- Executive Committee .................................................. 91
- Section Officers .......................................................... 92

## Meeting Room Diagrams

- Peabody ................................................................. 95
- Statehouse Convention Center .................................. 96
- DoubleTree Hotel ...................................................... 96
SAAS REGISTRATION

Statehouse Convention Center Rotunda

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

---

SAAS PROGRAMS

Sunday, February 6

4:00 pm - 6:00 pm — SAAS Opening Session and General Business Meeting

*Peabody Hotel – Conway*

Multi-State Programs in Teaching, Research and Extension

6:30 pm – till — SAAS Reception

*Statehouse Convention Center Ballroom*

**“Super Bowl Party”**

*Come watch the game!*

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

---

EXECUTIVE COMMITTEE MEETINGS

Sunday, February 6

2:00 pm - 3:30 pm—SAAS Board Meeting

Statehouse Convention Center - Miller

Tuesday, February 8

7:30 am - 8:30 am -SAAS Board Breakfast Meeting

Statehouse Convention Center – Fulton

Breakfast sponsored by

Winrock International, AR
OPENING SESSION AND GENERAL BUSINESS MEETING

Multi-State Programs in Teaching Research and Extension General Session
4:00 to 6:00 PM - Sunday February 6, 2004
Peabody Hotel – Conway

Introduction
Jack H Britt, President of SAAS
University of Tennessee

The Importance of Multi-State Collaboration in Fulfilling the Mission of USDA Cooperative
State Research, Education and Extension Service Colien Hefferan, Administrator, USDA-CSREES
Moderator Dewayne Ingram, Chair of SAAS Academic
Department Heads University of Kentucky

Collaboration in Research and Extension
Southern Region Small Fruit Consortium
Eric Young, Southern Association of Agricultural Experiment Station Directors

Collaboration in Teaching
Shared and Jointly Taught On-line Courses in Agricultural and Extension Education
Gary Moore, North Carolina State University

A Template for Sharing Tenured Faculty
in Multi-State Research and Extension – Kentucky and Tennessee Tobacco Research and Extension Program
M. Scott Smith & Michael Barrett, University of Kentucky

Collaboration in Diagnostics
Southern Plant Diagnostic Network Gail Wisler, University of Florida

Do Multi-State Programs Serve Constituents Effectively?
Industry Spokesperson-TBA

General Business Meeting to follow.
SPECIAL PROGRAMS

Thursday and Friday, February 3 - 4

8:00 am – 5:00 pm – Sweet Potato Integrated Pest Management Project
   Double Tree Hotel - Edgehill

Saturday, February 5

8:00 am – 5:00 pm – IR-4 Workshop and Discussion – Phytophthora capsici
   Double Tree Hotel - Grand Ballroom - Salon A

10:00 am – 6:00 pm – Animal Science Extension Specialists Meeting
   - Peabody Hotel – Chicot

Sunday, February 6

8:00 am – 10:00 am – Animal Science Extension Specialists Meeting
   - Peabody Hotel – Chicot

3:00 pm – “Media Content Analysis Methods Used to Develop the IFIC Food for Thought Publications”
   Guest Speaker: Nick Alexander, Director of Media Relations, International Food Information Council - Statehouse Convention Center – Pope

Monday, February 7

10:30 am – Noon - “Marketing and Communication Efforts at Heifer International”
   Guest Speaker: Mike Matchett, Director of Marketing, Heifer International
   Statehouse Convention Center – Pope

9:30 am – 11:00 am – Multistate Social Capital Research Coordinating Committee
   Peabody Hotel – Petit Jean

7:00 pm – 9:00 pm– Small Ruminant Subcommittee of the NAGP
   Statehouse Convention Center - Ballroom B

Tuesday, February 8

8:00 am – 9:00 pm – Eastern Regional Conference on the Ecology of Root Infecting Microorganisms - Double Tree Hotel – Grand Ballroom - Salon B

9:00 am – 10:30 am – Multistate Social Capital Research Coordinating Committee
   Peabody Hotel – Petit Jean
The meeting agenda is as follows:

**Monday, February 7, 2005**

7:00 - 7:20  Continental Breakfast

7:20 - 8:00  Update of Extension Programs in the Southern Region -
Ron Brown, Executive Director, Association of Southern Region
Extension Directors

8:00 - 8:45  Discussion of strategies for interdepartmental/inter-regional
cooperation (research, teaching, and/or extension)

8:45 - 9:00  Business Meeting
Monday, February 7

7:30 am – 9:00 am – Administrative Heads of Agriculture Section (AHS)
- Peabody Hotel – Peck
Sunday, February 6

9 a.m.
Vespers Service, White Oak Room
(Peabody Hotel)

10:30 a.m.
Research Session I, Pope Room
(Statehouse Convention Center)

Welcome and Overview

“Asessing Agricultural Communications Students’ Learning Styles”
D. Dwayne Cartmell, Melissa Majors, Marcus A. Ashlock and Shelly Peper Sitton, Oklahoma State University

“Distance Education in the Agricultural Communications Realm: A Synthesis of Research”
Emily B. Rhoades, University of Florida

Noon
Lunch on your own

1:30 p.m.
Research Session II

“Evaluating the Effectiveness of the Texas Parks and Wildlife Hueco Tanks State Historic Site Orientation/Conservation Video: A Media System Dependency Theory Perspective”
Cindy Akers, David H. Segrest Jr., Mark J. Kistler, James H. Smith, Chad S. Davis and Matt Baker, Texas Tech University

“Perceptions of Job Satisfaction and Gender Roles among Agricultural Communications Practitioner”
Rebecca McGovney and Tracy Irani, University of Florida

2:30 p.m. Break

3 p.m.
Guest Speaker: Nick Alexander, Director of Media Relations Director, International Food Information Council

“Media Content Analysis Methods Used to Develop the IFIC Food for Thought Publications”

6 p.m.
Dutch Treat Dinner at a Local Restaurant (meet in Peabody Lobby)
8:30 a.m.
Research Session III, Pope Room
(Statehouse Convention Center)

“It Takes Two: Public Understanding of Agricultural Science and Agricultural Scientists’ Understanding of the Public”
Lisa Lundy, Amanda Ruth, Ricky Telg and Tracy Irani, University of Florida

“Syndicating Agriculture News with RSS”
Blair L. Fannin, Texas A&M University

9:30 a.m.
Break (Sponsored by ACE Southern Region)

10 a.m.
Research Session IV

“Cognitive Responses by West Texas Hispanic/Latinos to Agricultural News: A Comparison of Four English and Spanish Presentation Media”
Chad Davis, Cindy Akers, Marvin Cepica, David Doerfert, Steve Fraze and David Lawver, Texas Tech University

10:30 a.m.
Guest Speaker: Mike Matchett, Director of Marketing, Heifer International

“Marketing and Communication Efforts at Heifer International”

Noon
Dutch Treat Lunch at Local Restaurant

1:30 p.m.
Research Session V

“Blogging Agricultural News: A New Technology to Distribute News Real-Time”
Blair Fannin and Edith Chennault, Texas A&M University

“Communication Preferences of Politically Active Agricultural Leaders”
Ricky Telg, Adam Basford and Tracy Irani, University of Florida

2:30 p.m. Break

3 p.m.
General Discussion and Business Meeting

4 p.m.
Tour of Heifer International Headquarters Construction Site
SAEA OFFICERS:
President ................................................................. RICHARD KILMER
President-Elect ....................................................... KIMBERLY JENSEN
Director ................................................................. MICHELE C. MARRA
Director ................................................................. RANDY LITTLE
Director ................................................................. CHARLIE HALL
Secretary/Treasurer ............................................... KENNETH W. PAXTON
Past-President ....................................................... LES MYERS
Editor ................................................................. HENRY KINNUCAN

All meeting rooms are located in the Peabody Hotel (PB) or State House
Convention Center (CC)
Saturday 8 p.m. – 10 p.m.
Quiz Bowl Orientation
Hoffman (PB)

Sunday 8 a.m. – 5 p.m.
Quiz Bowl
Hoffman & Manning

Sunday 9 a.m. – 2 p.m.
SAEA Executive Board Meeting
Peck (PB)

Sunday Noon – 5 p.m.
Registration
Rotunda (CC)

Sunday 2 p.m. – 5 p.m.
Department Heads' Meeting
Petit Jean (PB)

Sunday 4 p.m. – 6 p.m.
SAAS General Session
Conway (PB)

Sunday 6:30 p.m. – 8 p.m.
SAAS Reception
Statehouse Ballroom (CC)

Sunday 2:00 p.m. – Tuesday 5 p.m.
Selected Posters
Gallery (CC)

Poster Presentations will be
Tuesday 10:15 – 12:00 noon

Presenters:
A Case Study Analysis of Precision Farming Practices
Steven W. Martin, Delta Research and Extension Center, Mississippi State University
Swagata Banerjee, Delta Research and Extension Center, Mississippi State University
James Hanks, USDA-ARS, Jamie Whitten Agricultural Research Center, Mississippi
Maturity Group Effects on Optimal Soybean Seeding Rates and Reseeding Thresholds
Michael Popp, University of Arkansas, Fayetteville
Patrick Manning, University of Arkansas, Fayetteville
Jeffrey Edwards, Oklahoma State University
Larry Purcell, University of Arkansas, Fayetteville

Profitability of Soybean Seed Treatments
Paul Scott Poag, University of Arkansas, Fayetteville
Michael Popp, University of Arkansas, Fayetteville

A Role for Geospatial Information Systems in Identifying Potential Tennessee Water Quality Trading Markets
David C. Roberts, University of Tennessee, Knoxville
Christopher D. Clark, University of Tennessee, Knoxville

Assessing the Linkages between the U.S. and Export Chicken Prices: A Time Series Approach
Harjanto Djunaidi, Middle Tennessee State University

Working Lands Programs: Potential Tools for Conserving Agricultural Wetlands
John Westra, Louisiana State University
Rex Caffey, Louisiana State University
Jay V. Huner, University of Louisiana, Lafayette

Cotton Producers: Past, Present, and Future
A. Blake Brown, North Carolina State University
George Frisvold, University of Arizona
Kenneth Paxton, Louisiana State University
Jeanne Reeves, Cotton, Incorporated

The Impact of Agriculture on the Arkansas Economy
Jennie Popp, University of Arkansas, Fayetteville
Gina Vickery, University of Arkansas, Fayetteville
H.L. Goodwin, University of Arkansas, Fayetteville
Wayne Miller, University of Arkansas Extension

Marketing Channels and Contracts used by Argentine Soybean Producers
Martias G. Nardi, Clemson University
Todd D. Davis, Clemson University
Hugo A. Centrangolo, Universidad de San Andres, Argentina

Profitability of Different Biological Types of Beef Cattle Developed under a Rotational Management Intensive Grazing System
Rimal Arbindra, Southwest Missouri State University
Tommy Perkins, Southwest Missouri State University

Consumer Level of Liking and Willingness to Pay for Garden Chrysanthemum Cultivars in Mississippi
Benedict C. Posadas, Coastal Research & Extension Center, Mississippi State University
Christine H. Coker, Coastal Research & Extension Center, Mississippi State University
Glenn Fain, USDA-ARS
Patricia R. Knight, Coastal Research & Extension Center, Mississippi State University
Randal Y. Coker, Coastal Research & Extension Center, Mississippi State University

Television Food Advertising and the USDA Food Guide Pyramid: Keeping Kids Healthy?
Anne Jones, University of Florida
Lisa House, University of Florida
Al Wysocki, University of Florida
Is Conservation Tillage an Economically Warranted Production Strategy under the New Peanut Program: A Perspective of Southern Peanut Production
Nathan B. Smith, University of Georgia
Vijay Subramaniam, University of Georgia
Stanley M. Fletcher, University of Georgia

Monday 8 a.m. – 5 p.m.
Registration
Rotunda (CC)

Monday 8 a.m. – 5 p.m.
Quiz Bowl
Hoffman & Manning

Monday 8 a.m. – 5 p.m.
Departmental Recruitment Displays
Rotunda (CC)

Monday 8:30 a.m. – 8:45 a.m.
36th Annual SAEA Meetings
Opening Remarks and Welcome
Richard Kilmer, SAEA President
Conway (PB)

Monday 8:45 a.m. – 9:45 a.m.
Presidential Address
Kimberly Jensen
Conway (PB)

Monday 10:15 a.m. – 12 noon
Invited Papers 1
Conway (PB)

Title: Contracting in the South: A Twenty-Year Retrospective of Change
Organizer: Mary C. Ahearn, Economic Research Service, USDA

The Legal Environment Facing Economic Agents in Production: A Twenty Year Retrospective of Legal Trends
Janie Simms Hipp, University of Arkansas
Harriet “Hattie” Francis, University of Missouri

Location of Production and Consolidation in the Processing Industry: The Case of Poultry
H.L. Goodwin, University of Arkansas

Organizational Change, Concentration, and Contracting in the South: Empirical Evidence
Mary C. Ahearn, Economic Research Service, USDA
David Banker, Economic Research Service, USDA
Penni Korb, Economic Research Service, USDA

Contract Terms in an Era of Traceability: Lessons from Agriculture and Other Industries
Mike Sykuta, University of Missouri
Title: Biotechnology and International Competitiveness: Implications for Southern U.S. Agriculture
Organizer: Eric Wailes, University of Arkansas
Moderator: Mechele S. Paggi, California State University, Fresno

Concepts, Issues, and Analysis of Biotechnology on International Competitiveness
Eric J. Wailes, University of Arkansas

Assessment of Biotechnology Policy and Trade in Key Markets for U.S. Agriculture
Mary Marchant, University of Kentucky
Baohui Song, University of Kentucky

Consequences of Biotechnology Policy for Competitiveness and Trade of Southern U.S. Agriculture
Greg Traxler, Auburn University
Curtis Jolly, Auburn University
Discussant:
Stanley S. Fletcher, University of Georgia

Title: Import Demand Analysis
Moderator: Safdar Mohammad, Tennessee State University

The Mexican Market for U.S. Sorghum: Is there still room for growth?
Syamalakumar Pandrangi, Texas Tech University
Jaime Malaga, Texas Tech University

Demand Analysis for the U.S. Fresh Tomato Market
Jione Jung, University of Florida
John J. VanSickle, University of Florida
James Seale, Jr., University of Florida

Allocation of Global Import Demand for Coffee among the Three Largest World Economies: Implications for Developing Countries
Shiferaw T. Feleke, University of Florida
Lurleen M. Walters, University of Florida

Title: Management Practices in Animal Production to Improve Environmental Quality
Moderator: David Anderson, Texas A&M University
AGRICULTURAL ECONOMICS

Count Data Analysis of the Adoption of Best Management Practices in Beef Cattle Production
Seon-Ae Kim, Louisiana State University
Jeffrey M. Gillespie, Louisiana State University
Krishna P. Paudel, Louisiana State University

Awareness of EQIP and Subsequent Adoption of BMPs by Cattle Producers
Joyce Obubuafo, Louisiana State University
Jeffrey Gillespie, Louisiana State University
Seon-Ae Kim, Louisiana State University
Krishna Paudel, Louisiana State University

Influence of Cost Share and EQIP Incentive Payments on Adoptions of Best Management Practices by Louisiana Dairy Farmers
Wayne M. Gauthier, Louisiana State University
Krishna Paudel, Louisiana State University
John Westra, Louisiana State University
Larry Hall, Louisiana State University

System Level Economic Analysis of Swine Diet Modifications
Art L. Stoecker, Oklahoma State University
Yi-Hung Lin, Oklahoma State University

Monday 1 p.m. – 2:45 p.m.
Selected Papers 3
White Oak (PB)

Title: Issues in Risk, Profitability, and Self-Sustainability among Lending Institutions and Farmer Cooperatives
Moderator: Valentina Hartarska, Auburn University

Risk Management Strategies for a Producer-Owned Peanut Shelling Cooperative
Nathan B. Smith, University of Georgia
Robert J. Byrne, University of Georgia
Stanley M. Fletcher, University of Georgia
Barry J. Barnett, University of Georgia

Credit Scoring Analysis for the Microfinance Institutions in U.S.
Jiang Hou, University of Kentucky
Jerry R. Skees, University of Kentucky
Wei Wang, University of Kentucky

Profitability and Risk of U.S. Agricultural Banks
Feng Zhang, University of Georgia
James E. Epperson, University of Georgia

Monday 1 p.m. – 2:45 p.m.
Selected Papers 4
Caraway III (CC)

Title: Impacts of Policy on Land Use, Farm Structure, and Profitability
Moderator: Michael R. Dicks, Oklahoma State University

Options for the 2007 Farm Bill under New WTO Commitments: What are the implications for U.S. farm structure?
Roman Keeney, Purdue University
AGRICULTURAL ECONOMICS

Changes in the Spatial Allocation of Crop Land in the Fort Cobb Watershed as a Result of Environmental Restrictions
Michael R. Dicks, Oklahoma State University
David Adams, Oklahoma State University

Financial Impact of Updating Program Base Acres and Yields on Texas Crop Producers
J. Marc Raulston, Texas A&M University
Joe L. Outlaw, Texas A&M University
James W. Richardson, Texas A&M University

Diversity and Commonality of U.S. Farm Households: A Typology of U.S. Farm Households
Brian C. Briggeman, Purdue University
Allan W. Gray, Purdue University
Christine A. Wilson, Purdue University

Monday 1 p.m. – 2:45 p.m.
Organized Symposia 1
Toltec (CC)

Title: Issues in Precision Agriculture and Risk Management
Organizer: Sayed Saghaian, University of Kentucky
Moderator: Roland Roberts, University of Tennessee

Site Specific Nitrogen Management
J. Lowenberg-DeBoer, Purdue University
D. Lambert, Purdue University
T. Griffin, Purdue University
G. Malzer, University of Minnesota

Management Zones & Application Error
Carl Dillon, University of Kentucky
S. Saghaian, University of Kentucky
J. Salim, University of Kentucky

Variable Rate Technology in Cotton
James Larson, University of Tennessee
Roland Roberts, University of Tennessee
Burton English, University of Tennessee
T. Sharp, Jackson State Community College

Monday 1 p.m. – 2:45 p.m.
Organized Symposia 2
Miller (CC)

Title: Bridging the Gap between 1890 and 1862 Institutions’ Agricultural Economics Programs
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
Moderator: Christopher Davis, Economic Research Service, USDA

Perspectives on the Adjustments from an Educational and Academic Career
Deacue Fields III, Auburn University
Kenrett Jefferson-Moore, North Carolina A&T University
Title: *Agricultural Commodity Marketing and Price Analysis*
Moderator: Harjanto Djunaidi, Middle Tennessee State University

**Testing for Seasonal Cointegration and Error Correction: The U.S. Pecan Price-Inventory Relationship**
Mohammed Ibrahim, University of Georgia
Wojciech J. Florkowski, University of Georgia

**An Assessment of the Efficiency of Agribusiness Trucking Companies: A Data Envelopment Analysis Approach**
Albert J. Allen, Mississippi State University
Saleem Shaik, Mississippi State University
Joselito K. Estrada, The University of Texas at Brownsville

**Volatility Transmission in U.S. Hog Markets**
Keithly Jones, Economic Research Service, USDA

**What Are the Factors Driving Sow Breeding Operations to Become Larger?**
Christopher G. Davis, USDA
Jeffrey M. Gillespie, Louisiana State University
Doris J. Newton, USDA

Title: *Optimization of Production and Input Use*
Moderator: Carl Dillon, University of Kentucky

**Comparing Production Optimization Strategies for Texas Panhandle Producers in Response to Declining Water Availability Due to Decline in the Ogallala Aquifer**
W. Arden Colette, West Texas A&M University
Lal K. Almas, West Texas A&M University
Soeng Park, West Texas A&M University

**Nitrogen Fertilization of Growing Wheat Based upon Site-Specific Optical Sensing**
Jon Biermacher, Oklahoma State University
Francis M. Epplin, Oklahoma State University
John B. Solie, Oklahoma State University
William R. Raun, Oklahoma State University
B. Wade Brorsen, Oklahoma State University
Marvin L. Stone, Oklahoma State University
AGRICULTURAL ECONOMICS

Comparison of Decision Rules for Subsurface Drip Irrigation Practices Using a Nonlinear Mathematical Programming Model
Sayed Saghaian, University of Kentucky
Carl Dillon, University of Kentucky
Juma Salim, University of Kentucky
Morali Kanakasabai, Chicago Climate Exchange, Inc.

The Variable Rate Decision for Multiple Inputs in Fields with Multiple Management Zone
Roland K. Roberts, University of Tennessee
Burton C. English, University of Tennessee
James A. Larson, University of Tennessee

Monday 3:15 p.m. – 5 p.m.
Selected Papers 7
White Oak (PB)

Title: Income and Employment Interdependencies
Moderator: Mike Woods, Oklahoma State University

Assessing Demographic Changes and Income Inequalities: A Case Study of West Virginia
Yohannes G. Hailu, West Virginia University
Tesfa G. Gebremedhin, West Virginia University
Radall W. Jackson, West Virginia University

An Economic Analysis of Off-Farm Employment of Farm Families in West Virginia
Gebremeskel Gebremariam, West Virginia University
Tesfa G. Gebremedhin, West Virginia University

Examining Interdependence Between Location, Employment, and Commuting Patterns in Alabama
Samuel Muguku, Alabama A&M University
James O. Bukenya, Alabama A&M University

Monday 3:15 p.m. – 5 p.m.
Selected Papers 8
Caraway III (CC)

Title: Econometrics of the Environment, the Climate, and Agriculture
Moderator: Olga Sydorovych, North Carolina State University

Environmentally Adjusted Elasticity Measures
Saleem Shaik, Mississippi State University

Climate Contribution to Corn and Soybean Yields
Oscar Vergara, AIR Worldwide Corporation
Gerhard Zuba, AIR Worldwide Corporation
Tim Doggett, AIR Worldwide Corporation
Ming Lee, AIR Worldwide Corporation

Use of Seemingly Unrelated Parametric and Semiparametric Panel Models in the Environmental Kuznets Curve Estimation
Hector Zapata, Louisiana State University
Krishna P. Paudel, Louisiana State University
Title: Consumer Valuation of Food Attributes  
Moderator: James Sterns, University of Florida

Perceived Risks of Agro-biotechnology and Organic Food Purchases in the United States  
Arbindra Rimal, Southwest Missouri State University  
Wanki Moon, Southern Illinois University

Consumer Trait Responses to Genetically Modified Foods  
Molly D. Brant, Kansas State University  
Daniel S. Tilley, Oklahoma State University  
John C. Mowen, Oklahoma State University

Credence Attributes, Consumer Valuation, and Endowment Effects in Auctions: The Case of Sweet Potatoes  
Lawton Lanier Nalley, Kansas State University  
Darren Hudson, Mississippi State University  
Greg Parkhurst, Mississippi State University

Relating Beef By-Product Value to Live Cattle Prices  
James D. Sartwelle, III, Texas A&M University  
David P. Anderson, Texas A&M University  
Joe L. Outlaw, Texas A&M University  
James W. Richardson, Texas A&M University

Title: Potential Impacts of the Dominican Republic–Central American Free Trade Agreement and the U.S.–Australia Free Trade Agreement on Southern Agriculture  
Organizers: Flynn Adcock, Texas A&M University  
Parr Rosson, Texas A&M University  
Moderator: Stanley Fletcher, University of Georgia

The Dominican Republic-Central American Free Trade Agreement  
Mechel S. Paggi, California State University, Fresno

An Overview of the U.S.-Australia Free Trade Agreement  
Parr Rosson, Texas A&M University

Potential Impacts of DR-CAFTA and the Australian FTA: The Case of Texas  
John Robinson, Texas A&M University  
Flynn Adcock, Texas A&M University

Potential Impacts of DR-CAFTA and AFTA: The Case of Rice  
Eric Wailes, University of Arkansas  
Discussant: Won Koo, North Dakota State University
Title: **Policy Implication of Federal Budget Deficits for Agriculture and Rural Communities**
Organizers: James Novak, Auburn University, Larry Sanders, Oklahoma State University
Moderator: John Anderson, Mississippi State University

**Historic Perspective and Current Situation With Regard to Agricultural Programs and Deficits**
Larry Sanders, Oklahoma State University

**Implications for Agricultural Commodity Programs Funding**
James L. Novak, Auburn University

**Implications for Rural Community Programs Funding**
Michael Woods, Oklahoma State University

---

**Monday 4 p.m. – 5 p.m.**
**Student Recruitment Fair**
Rotunda (CC)

**Monday 5:15 p.m. – 7 p.m.**
**SAEA Business Meeting and Awards Program**
Conway (PB)

**Tuesday 8 a.m. – 5 p.m.**
**Registration**
Rotunda (CC)

**Tuesday 8:45 a.m. – 9:45 a.m.**
**Keynote Speaker**
Larry Connor, University of Florida
**How to Manage a Teaching Program With Survival in Mind**
Conway (PB)

**Tuesday 10:15 a.m. – 12 noon**
**Invited Papers 3**
Conway (PB)

Title: **Taking Research Methods to the Farm**
Organizers: Steven L. Klose, Texas A&M University
Joe L. Outlaw, Texas A&M University
Moderator: Gregg Ibendahl, Mississippi State University

**Financial and Risk Management (FARM) Assistance: A Decision Support System for Agricultural Producers**
Steven L. Klose, Texas A&M University

**Base and Yield Analyzer (BYA)**
James W. Richardson, Texas A&M University
AGRICULTURAL ECONOMICS

Integrated Farm Financial Statements (IFFS): A Farm Business Planning Tool
Damona Doye, Oklahoma State University
Discussant: Nathan B. Smith, University of Georgia

Tuesday 10:15 a.m. – 12 noon
Invited Papers 4
Harris (PB)

Title: Sustainable Coastal Development through Community Support: Myth or Reality?
Organizers:
Krishna P. Paudel, Louisiana State University
Jack C. Isaacs, Louisiana Department of Wildlife and Fisheries
Steve Henning, Louisiana State University
Moderator: Upton Hatch, Auburn University

Financing Beach Maintenance from a Community Economics Perspective
Warren Kriesel, University of Georgia
Andy Keeler, University of Georgia

Eco-Tourism as a Means of Conserving Wetlands
Carlisle Pemberton, University of West Indies
Kathleen Mader-Charles, University of West Indies

Opening a Public Recreation Area to Revitalize Coastal Communities and Preserve Natural Resources in Louisiana: The Case of Elmer’s Island
Krishna P. Paudel, Louisiana State University
Rex Caffey, Louisiana State University
Nirmala Devkota, Louisiana State University
Larry Hall, Louisiana State University
Discussant: John Bergstrom, University of Georgia

Tuesday 10:15 a.m. – 12 noon
Lifetime Achievement Award Symposium
Hoffman (PB)

Tuesday 1 p.m. – 2:45 p.m.
Selected Papers 10
Conway (PB)

Title: Modeling Agricultural Risk and Commodity Markets
Moderator: Krishna Paudel, Louisiana State University

Trends, Cycles, and Price Relationships in the International Fiber Market
Mohamadou L. Fadiga, Texas Tech University
Sukant K. Misra, Texas Tech University

Econometric and Time Series Model Selections: A Choice between Two Possible Approaches to Assess Linkages between the U.S. and Export Chicken Markets
Harjanto Djunaidi, Middle Tennessee State University

Tuesday 1 p.m. – 2:45 p.m.
Selected Papers 11
Harris (PB)

Title: Issues in Agricultural Economics Education
Moderator: Joey Mehlhorn, University of Tennessee at Martin
AGRICULTURAL ECONOMICS

The SS-AAEA Quizbowl: Success in and Out of the Classroom in the South
Jennie Popp, University of Arkansas

Research Productivity and Selected Characteristics of Agricultural Economics Faculty in the Southern Region: A Quarter of a Century Later
Molly D. Brant, Kansas State University
Leah J. Tsoodle, Kansas State University
Bill Golden, Kansas State University
Allen M. Featherstone, Kansas State University

Determinants of Agricultural Economic Faculty Salaries: A Quarter of a Century Later
Bill Golden, Kansas State University
Leah J. Tsoodle, Kansas State University
Oluwarotimi O. Odeh, Kansas State University
Allen M. Featherstone, Kansas State University

Competencies of Entry-Level College Graduate Employees in Agribusiness
Stephen E. Miller, Clemson University
Wilder N. Ferreira, Clemson University
Lawrence D. Fredendall, Clemson University
Linda B. Nelson, Clemson University

Tuesday 1 p.m. – 2:45 p.m.
Selected Papers 12
Toltec (CC)

Title: Evaluation of Alternative Tillage Practices
Moderator: Jeffrey Gillespie, Louisiana State University

The Variable Rate Decision for Multiple Inputs in Fields with Multiple Management Zones
Roland K. Roberts, University of Tennessee
Burton C. English, University of Tennessee
James A. Larson, University of Tennessee

Whole Farm Economic Evaluation of No-Till Rice Production in Arkansas
K. Bradley Watkins, University of Arkansas
Jason L. Hill, University of Arkansas
Merle M. Anders, University of Arkansas
Tony E. Windham, University of Arkansas

Economies of Size for Conventional Tillage and No-Till Wheat Production
Francis M. Epplin, Oklahoma State University
Curtis J. Stock, USDA, NASS, Arizona
Darrel D. Kletke, Oklahoma State University
Thomas F. Peeper, Oklahoma State University

Impact of the Adoption of Less Tillage Practices on Overall Efficiency
Michael Langemeier, Kansas State University

Tuesday 1 p.m. – 2:45 p.m.
Selected Papers 13
White Oak (PB)

Title: Water Potpourri
Moderator: Kelly Bryant, University of Arkansas at Monticello
AGRICULTURAL ECONOMICS

The Use and Opportunity of Cooperative Organizational Forms as an Innovative Regulatory Tool under the Clean Water Act
Kurt Stephenson, Virginia Tech
Leonard Shabman, Resources for the Future

The Gulf of Mexico Grouper Fisheries: Heterogeneous Fleet and Expectations in Fishermen’s Decisions
Hamady Diop, Louisiana State University
Walter R. Keithly, Jr., Louisiana State University
Richard F. Kazmierczak, Jr., Louisiana State University

Forecasting Irrigation Water Demand: An Application of Structural Time Series Model
Murali Adhikari, Alabama A&M University
Laxmi Paudel, University of Georgia
Jack E. Houston, University of Georgia
Nirmala Devko, Louisiana State University

Tuesday 1 p.m. – 2:45 p.m.
Selected Papers 14
Izard (CC)

Title: Impacts of Imports, SPS, and Technical Change on Agricultural Commodities
Moderator: Saleem Shaik, Mississippi State University

Effects of Import of Catfish, Crawfish, and Shrimp on the Domestic Prices
Young-Jae Lee, Louisiana State University
P. Lynn Kennedy, Louisiana State University

Impacts of Technical Change in Crops and Livestock Production on Income Distribution in Developing Countries
Ernesto Valenzuela, Purdue University
Carlos Ludena, Purdue University
Thomas W. Hertel, Purdue University
Roman Keeney, Purdue University

Impact of Sanitary and Phyto-Sanitary Agreements on World Trade of Meat and Poultry
Fawzi A. Taha, USDA-ERS

Tuesday 1 p.m. – 2:45 p.m.
Selected Papers 15
Hoffman (PB)

Title: Influence of Business Structure and Decisions on Financial Performance of Farm Businesses
Moderator: Cesar L. Escalante, University of Georgia

The Structure Performance Hypothesis and the Efficient Structure Performance Hypothesis Revisited: The Case of Agribusiness Commodity and Food Products Truck Carriers in the South
Albert J. Allen, Mississippi State University
Saleem Shaik, Mississippi State University
Albert E. Myles, Mississippi State University
Safdar Muhammad, Tennessee State University

The Sustainable Growth Paradigm’s Application to U.S. Farm Businesses
Cesar L. Escalante, University of Georgia
Calum G. Turvey, Rutgers University
AGRICULTURAL ECONOMICS

Risk Management Strategies for Catfish and Trout Farms
Aloyce Kaliba, University of Arkansas at Pine Bluff
Carole R. Engle, University of Arkansas at Pine Bluff

Tuesday 1 p.m. – 2:45 p.m.
Selected Papers 16
Pope (CC)

Title: Economic Impact of Recreation, Agriculture, and E-Commerce
Moderator: Garen Evans, Mississippi State University

Impact of Hunting and Fishing on Mississippi Counties
Andrew Whittington, Mississippi State University
Gregory Parkhurst, Mississippi State University
Darren Hudson, Mississippi State University
Virginia Buller, Mississippi State University

Economic Impacts of Agricultural Sector and Agricultural Exports on the Kansas Economy
Sreedhar Upendram, Kansas State University

How much is E-Commerce Worth to Rural Businesses?
Susan Watson, Louisiana Tech University
O. John Nwoha, Louisiana Tech University
Gary Kennedy, Louisiana Tech University
Kenneth Rea, Louisiana Tech University

Tuesday 1 p.m. – 2:45 p.m.
Selected Papers 17
Miller (CC)

Title: Kuznets Curves and Social Capital
Moderator: Jeffery Jordan, University of Georgia - Griffin Campus

Environmental Kuznets Curve under a New Framework: Role of Social Capital
Hassan Marzoughi, Louisiana State University
Krishna P. Paudel, Louisiana State University
Mark J. Schafer, Louisiana State University

Carbon Dioxide (CO2) Emissions in Latin America: Looking for the Existence of Environmental Kuznets Curves
Krishna P. Paudel, Louisiana State University
Hector Zapata, Louisiana State University
Alejandro Diaz, Louisiana State University
Keshav Bhattacharai, Central Missouri State University

Jeff Jordan, University of Georgia - Griffin Campus

Tuesday 1 p.m. – 2:45 p.m.
Organized Symposia 5
Carraway II (CC)

Title: The Doha Development Agenda and Southern Agriculture
Organizers:
Parr Rosson, Texas A&M University
Flynn Adcock, Texas A&M University
Moderator: Darren Hudson, Mississippi State University
AGRICULTURAL ECONOMICS

Overview and Current Status of the Doha Work Program and Negotiations
Parr Rosson, Texas A&M University

The Importance of Measuring and Analyzing Distributional Impacts of Multi-lateral Trade Agreements
Larry Sanders, Oklahoma State University

The Doha Round: Perspectives from Developing Countries
Mike Reed, University of Kentucky
Discussant: Jaime Malaga, Texas Tech University

Tuesday 1 p.m. – 2:45 p.m.
Organized Symposia 6
Carraway (III)

A Relationship between Food Safety Issues and Structure in the Production Sector: A Strawberry Example
Organizer: Roger Hinson, Louisiana State University
Moderator: Dixie Watts Reaves, Virginia Polytechnic Institute and State University

Food Safety and Fresh Strawberry Markets
Richard Weldon, University of Florida
Al Wysocki, University of Florida

An Alternative Perspective on Demand for Reduced Pesticides Retail Strawberry Products Market
Roger Hinson, Louisiana State University

Cooperatives’ Potential Contributions to Food Safety and Market Enhancement
Dixie Watts Reaves, Virginia Polytechnic Institute and State University

Tuesday 3:15 p.m. – 5 p.m.
Selected Papers 18
Hoffman (PB)

Title: Production Practices and Product Attributes
Moderator: Roland Roberts, University of Tennessee

Consumer Preferences for Various Watermelon Product Attributes
Callie Bryan, Auburn University
Deacue Fields, Auburn University

The Effect of Recent and Futuristic Changes in Cotton Production Practices in the Mid-South on Direct and Fixed Costs per Acre
D.W. Parvin, Mississippi State University
Steve Martin, Mississippi State University

Effects of Alternative Lime Application Rates on Cotton Profitability with Varying Cover Crops, Nitrogen, and Tillage Methods
Rebecca L. Cochran, University of Tennessee
James A. Larson, University of Tennessee
Roland K. Roberts, University of Tennessee
Donald D. Tyler, University of Tennessee

Economic Benchmarks of Alternative Pond Management Systems for Freshwater Prawn Production in the United States
Benedict C. Posadas, Mississippi State University
Title: **Consumer Preference and Willingness to Pay Studies**  
Moderator: Kenneth Young, University of Arkansas

**An Assessment of Consumer Preferences for Strawberry Products**  
Michael N. Bruchhaus, Louisiana State University  
Roger A. Hinson, Louisiana State University

**The Preference for Round Number Prices**  
Joni Klumpp, Oklahoma State University  
B. Wade Brorsen, Oklahoma State University  
Kim B. Anderson, Oklahoma State University

**Comparison of Stated Choice and In-Store Experimental Methods in Predicting Actual Market Behavior for Freshwater Prawn (Macrobrachium rosenbergii) Consumers**  
R. Karina Gallardo, Mississippi State University  
Terrill R. Hanson, Mississippi State University  
M. Darren Hudson, Mississippi State University

**Frozen Catfish Retail Pack: A Study of Consumers’ Willingness to Pay**  
Kwamena Quagrainie, Univ of Arkansas at Pine Bluff

---

**Title: Beef Cattle Marketing and Management Strategies**  
Moderator: James M. Trapp, Oklahoma State University

**Examining Fed Cattle Choice-Select Discount**  
Robert Hogan, Jr., University of Arkansas Cooperative Extension Service  
Clement E. Ward, Oklahoma State University

**Managing an Industry in Crisis: BSE in Canada**  
Jared G. Carlberg, University of Manitoba, Canada

**Economics of Meat Pricing and Featuring**  
Keithly Jones, Economic Research Service, USDA

**BSE, US Beef Exports and Cattle Feeding Industry: A Regional Economic Impact Analysis**  
Lal K. Almas, West Texas A&M University  
W. Arden Colette, West Texas A&M University  
Steve H. Amosson, Texas A&M University

---

**Title: Supply, Cost, and Risk Analysis**  
Moderator: Sayed Saghaian, University of Kentucky
AGRICULTURAL ECONOMICS

Dairy Supply Response Under Stochastic Trend and Seasonality: A Structural Time Series Analysis
Murali Adhikari, Alabama A&M University
Laxmi Paudel, University of Georgia
Jack E. Houston, University of Georgia
Nirmala Devkooa, Louisiana State University

Producer Characteristics and Peanut Cost Efficiency in the Southeast: Implications for the Farm-Level Impacts of the 2002 Farm Act
Stanley M. Fletcher, University of Georgia
Denis A. Nadolnyak, University of Georgia
Valentina M. Hartarska, Auburn University

Evaluating an Alternative Crop Index
Xiaohui Deng, University of Georgia
Barry J. Barnett, University of Georgia
Gerrit Hoogenboom, University of Georgia
Yingzhuo Yu, University of Georgia

Tuesday 3:15 p.m. – 5 p.m.
Selected Papers 22
Conway (PB)

Title: Economic Impact of Health, Community Services, and Infrastructure
Moderator: Alan Barefield, Mississippi State University

Healthcare and Productivity in East Central Mississippi
Garen K. Evans, Mississippi State University

Direct and Indirect Effects of Public Infrastructures to Regional Economic Growth in Japan: An Application of the Covariance Structure Model by each Geographical Classification Area
Yoji Kunimitsu, National Institute for Rural Engineering, Japan

Estimating the Economic Impact of Disease on a Local Economy: The Case of Diabetes in the Lower Rio Grande Valley of Texas
Joselito K. Estrada, University of Texas
H. Shelton Brown, III, University of Texas
Gautam Hazarika, University of Texas
Elena Bastida, University of Texas

Tuesday 3:15 p.m. – 5 p.m.
Selected Papers 23
Miller (CC)

Title: Extension Issues
Moderator: Bob Stark, University of Arkansas at Monticello

Marketing Considerations for Northeast Goat Producers
Doolarie Singh-Knights, West Virginia University
Dennis K. Smith, West Virginia University
Marlon Knights, West Virginia University

Information Sources Preferred by Limited Resource Farmers in Using Agricultural Risk Tools
Ingrid Nya Ngatchou, Alabama A&M University
James O. Bukenya, Alabama A&M University
Duncan M. Chembezi, Alabama A&M University
AGRICULTURAL ECONOMICS

A Pilot Program to Assist CAFOs in Using Weather Data to Minimize Manure Mgmt Risk
Ray Massey, University of Missouri
Chris Boessen, University of Missouri

Tuesday 3:15 p.m. – 5 p.m.
Selected Papers 24
Pope (CC)

Title: Precision Agriculture Management
Moderator: Carl Dillon, University of Kentucky

Measuring the Impacts of Manure Management Regulations and Urbanization on the Competitiveness of Dairy Farms in the Midwest and Northeast
Richard Nehring, ERS/USDA
Charles Barnard, ERS/USDA
Eric O'Donoghue, ERS/USDA
Carmen Sandretto, ERS/USDA

An Economic Evaluation of Precision Deep Tillage Practices through the Analysis of Comparative Enterprise Budgets
Christopher A. Pierce, University of Kentucky
Larry G. Wells, University of Kentucky
Carl R. Dillon, University of Kentucky

Profitability of Phosphorus and Nitrogen Reduction through Precision Livestock Farming: A Case Study on a Dairy Farm
Juma Salim, University of Kentucky
Carl R. Dillon, University of Kentucky
Sayed Saghaian, University of Kentucky
Jack McAllister, University of Kentucky
Donna M. Amaral-Phillips, University of Kentucky

Tuesday 3:15 p.m. – 5 p.m.
Selected Papers 25
Izard (CC)

Title: Trade Policy, Welfare, and Rating Agencies on Textiles and Market Discipline: Implications for Developing Countries
Moderator: Albert J. Allen, Mississippi State University

Panel Data Analysis of Trade Policy Effects on U.S. Textile Industries
William A. Amponsah, North Carolina A&T State University
Victor Ofori-Boadu, North Carolina A&T State University

Rating Agencies and Market Discipline in Microfinance
Valentina Hartarska, Auburn University

The Welfare Effects of the U.S. African Growth and Opportunity Act on Tanzania
Aloyce R. Kaliba, University of Arkansas at Pine Bluff
Josephat Keka, ESRF – TANZANIA
George Kabelwa, ESRF – TANZANIA
Ummy Ally, ESRF - TANZANIA
AGRICULTURAL ECONOMICS

Tuesday 3:15 p.m. – 5 p.m.
Organized Symposium 7
Carraway II (CC)

Title: Foreign Animal Disease Outbreaks and Country of Origin Labeling: Implications for Producers, Consumers, and the Rest of Us
Organizers:
R. Curt Lacy, University of Georgia
John D. Anderson, Mississippi State University
Moderator: John D. Anderson, Mississippi State University

Overview of Foreign Animal Disease Impacts in the U.S. Livestock and Poultry Sector
David P. Anderson, Texas A&M University

Mandatory Livestock Identification and Country of Origin Labeling: Regulations and Implications for Producers
R. Curt Lacy, University of Georgia

Mandatory Livestock Identification and Country of Origin Labeling: Implications for Domestic Consumers and Foreign Trade
Wendy J. Umberger, Colorado State University

Developing an Effective and Equitable Indemnity Policy to Deal with Market Disruptions Caused by Foreign Animal Disease Outbreaks
Keith Coble, Mississippi State University
John D. Anderson, Mississippi State University

Tuesday 3:15 p.m. – 5 p.m.
Organized Symposium 8
Carraway III (CC)

Title: Peanut Sector Adjustment to a New Policy Regime
Organizers:
Erik Dohlman, USDA
Linwood Hoffman, USDA
Edwin Young, USDA
Moderator: Linwood Hoffman, USDA

Overview of Policy Change and Aggregate U.S. Adjustments
Erik Dohlman, USDA

Risk Management Strategies and Concerns
Kim B. Anderson, Oklahoma State University

Policy Implementation Issues and Challenges
Floyd Gaibler, Deputy Undersecretary of Farm and Foreign Agricultural Services, USDA

Processor Perspectives and Issues
Nathan Smith, University of Georgia

Tuesday 5 p.m. – 6 p.m.
JAAE Editorial Council Meeting
Quapaw (CC)

Tuesday 7 p.m. – 9 p.m.
SAEA Reception
Clinton Library
Title: **Policy and Consumer Response**  
Moderator: TBA

**Consumer Food Choices as a Reflection of Concerns about Nutritional Attributes**  
Sojin Hwang, University of Georgia  
Wojciech J. Florkowski, University of Georgia  
In-Kyu Lee, Rural Development Administration, Korea

**An American BSE Crisis: Has it affected the Value of Traceability and Country-of-Origin Certifications for U.S. and Canadian Beef?**  
Ruby A. Ward, Utah State University  
DeeVon Bailey, Utah State University  
Robert Jensen, Utah State University

**Estimating the Effect of FDA-Allowed Health Claims on the Consumption of Soy Based Food**  
Arbindra Rimal, Southwest Missouri State University  
Wanki Moon, Southern Illinois University

**Economic Evaluation of HACCP Implementation in Turkey Processing**  
Simeon Kaitibie, North Dakota State University  
Willaim Nganje, North Dakota State University  
Alexandre Sorin, North Dakota State University

Title: **New Policies for Old Section 22 Commodities**  
Moderator: Joe Outlaw, Texas A&M University

**A Linear Estimation of Producer Preferences, and the Wage, Hours, and Gross Sales Effects of Migrant Labor in Alabama's Horticulture Industry**  
Moriah Bellenger, Auburn University  
Deacue Fields, Auburn University  
Ken Tilt, Auburn University

**Crop Rotations and Dynamic Analysis of Southeastern Peanut Farms**  
Archie Flanders, University of Georgia  
Stanley M. Fletcher, University of Georgia  
C. Robert Taylor, Auburn University  
Nathan B. Smith, University of Georgia  
Allen McCorvey, University of Georgia

**Can the Milk Income Loss Contract (MILC) and Dairy Price Support Program Competing Coexist?**  
Brian Herbst, Texas A&M University  
Joe L. Outlaw, Texas A&M University  
David P. Anderson, Texas A&M University
Crop Contracts versus Spot Markets under the Marketing Assistance Loan Program: The Case of Peanuts
Denis A. Nadolnyak, University of Georgia
Cesar L. Revoredo Giha, University of Cambridge, United Kingdom
Stanley M. Fletcher, University of Georgia

Wednesday 8 a.m. – 9:45 a.m.
Selected Papers 28
Pope (CC)

Title: Merger, Integration, and Strategic Alliance in Agribusiness Industries
Moderator: Tony V. Johnston, Middle Tennessee State University

Price Effects of Supermarket Mergers
David E. Davis, Economic Research Service, USDA
Jeffrey M. Perloff, University of California

Horizontal Consolidation in the Food Processing Industry: Boon or Bane?
Emilio Tostao, Oklahoma State University
Chanjin Chung, Oklahoma State University

Case Studies of Strategic Alliances in Southeastern Beef Production
Jeffrey Gillespie, Louisiana State University
Angel Bu, Louisiana State University
Robert Boucher, Louisiana State University

Wednesday 8 a.m. – 9:45 a.m.
Selected Papers 29
White Oak (PB)

Title: Determinants of Market Prices, Demand, and Cost Efficiency
Moderator: Pierre I. Boumtje, Southern Arkansas University

Economics of Transporting Poultry Litter from Northwest Arkansas to Eastern Arkansas Croplands
Kenneth B. Young, University of Arkansas
Eric Wailes, University of Arkansas
H.L. Goodwin, University of Arkansas
Rita Carreira, University of Arkansas

Does Institutional Loyalty Hypothesis Really Work?: The Case of MTSU Students’ and Employees’ Preference Toward MTSU-Produced Milk
Harjanto Djunaidi, Middle Tennessee State University
Tony V. Johnston, Middle Tennessee State University

Steel: Price Links between the Primary and Scrap Market
Irene M. Xiarchos, West Virginia University

Internet Adoption among Organic Farmers in the U.S.
Daniel Ngugi, University of Georgia
Luanne Lohr, University of Georgia
Xiangrong Yin, University of Georgia
Title: Farm Efficiency, Investment, and Growth
Moderator: Michael Langemeier, Kansas State University

An Examination of the Relationship Between Overall Efficiency and Farm Experience
Kelly Bradford, Kansas State University
Michael Langemeier, Kansas State University

Cost Efficiency Estimates for a Sample of Crop and Beef Farms
Michael Langemeier, Kansas State University
Rodney Jones, Kansas State University

Factors Impacting Farm Growth
Mario Villatora, Kansas State University
Michael Langemeier, Kansas State University

Investment Analysis of Alternative Dairy Systems under MILC
Phillip R. Eberle, Southern Illinois University
Darren Moody, USDA-AMS
William C. Peterson, Southern Illinois University
C. Matthew Rendleman, Southern Illinois University

Title: Value of Environmental Amenities
Moderator: Jennie Popp, University of Arkansas

Toward a Generalizable Measure of the Value of a Change in Pesticide Use
Olga Sydorovych, North Carolina State University
Michele C. Marra, North Carolina State University

The Value of Hunting Package Attributes
Virginia Buller, Mississippi State University
Darren Hudson, Mississippi State University
Gregory M. Parkhurst, Mississippi State University
Andy Whittington, Mississippi State University

Estimating the Supply Curve for Nutria Pelts from Coastal Louisiana and the Impacts Associated with Declining Prices
Jack C. Isaacs, Louisiana Department of Wildlife and Fisheries
Cheikhna Dedah, Louisiana State University
Walter R. Keithly, Jr., Louisiana State University
Richard F. Kazmierczak, Jr., Louisiana State University

Estimating the Economic Value of Temporary and Permanent Carbon Sequestration Activities on Agricultural Land
Mark Sperow, West Virginia University
Title: *Income Support and Risk Management*
Moderator: John Westra, Louisiana State University

**Evaluating the Effectiveness of Price and Yield Risk Management Products in Reducing Revenue Risk for Southeastern Crop Producers**
Todd D. Davis, Clemson University

**The Influence of the Value of Bt Cotton on Risk and Welfare**
Swagata "Ban" Banerjee, Mississippi State University
Steven W. Martin, Mississippi State University
Michael E. Wetzstein, University of Georgia

**Government Payments: Economic Impact on Southeastern Peanut Farms**
Stanley M. Fletcher, University of Georgia
Archie Flanders, University of Georgia
Nathan B. Smith, University of Georgia
Allen McCorvey, University of Georgia

**Specialty Crop Producers’ Crop Insurance Decisions**
Jione Jung, University of Florida
Richard N. Weldon, University of Florida
John J. VanSickle, University of Florida

---

**Wednesday 8 a.m. – 9:15 a.m.**

*Organized Symposium 9*

**Isard (CC)**

Title: *Production and Marketing Risk Management in Aquaculture*
Organizers:
Terry R. Hanson, Mississippi State
John D. Anderson, Mississippi State
Moderator: Terry R. Hanson, Mississippi State

**Governmental Assistance to the U.S. Catfish Industry**
Terry R. Hanson, Mississippi State University
John Anderson, Mississippi State University

**Developing Insurance Products for U.S. Aquaculture Industries**
Keith Coble, Mississippi State University
Saleem Shaik, Mississippi State University

**Effect of Contract Attributes on Catfish Processors and Producers**
Darren Hudson, Mississippi State University
Tian Xia, Mississippi State University

**Risk Reduction through Forward Contracting of Catfish Feed**
John Anderson, Mississippi State University
Title: Obesity, Food Labeling and Food Policy: Issues/Impacts For Southern Agriculture
Organizers:
Larry D. Sanders, Oklahoma State University
James Novak, Auburn University
Janie Simms Hipp, University of Arkansas
Moderator: James Novak, Auburn University

Overview of the Economics of Obesity in the Rural South
Agus Hudoyo, University of Kentucky
Eric Scorsone, University of Kentucky

Current Nutrition/Labeling/Food Safety Legislation & Litigation
Janie Simms Hipp, University of Arkansas

Public and Private Food Assistance Programs and Their Use for the Nutrition and Development of Low-Income Children in the South
Patricia A. Duffy, Auburn University
Sareen Gropper, Auburn University
Jean Weese, Auburn University
B. Doug White Auburn University
Evelyn Crayton, Auburn University

Summary of Causation and Policy Implications of Obesity for Southern Agriculture
Larry Sanders, Oklahoma State University
James Novak, Auburn University
AGRICULTURAL EDUCATION

Southern Agricultural Education Conference (SAEC)
Southern Agricultural Education Research Conference (SAERC)

Host: Louisiana State University

February 5-9, 2005
The Peabody Hotel - Little Rock, Arkansas

SAAS = Southern Association of Agricultural Scientists
AAAE = American Association for Agricultural Educ.
SAEC = Southern Agricultural Education Conference
SAERC = Southern Agricultural Education Research Conference

Saturday, February 5

4 - 7 p.m.  Registration - Louisiana State University
            Lobby - Peabody Hotel

Sunday, February 6

8:00 a.m.  Registration - Louisiana State University
            Prefunction Area - Peabody Hotel

9:00 a.m.  Joint Agricultural Education and Agricultural Communications
            Vespers Service
            Don Herring, University of Arkansas
            White Oak Room

10:00 a.m. Opening SAERC Session
            White Oak Room

Presiding: Joe Kotrlik, Louisiana State University
Remarks: James Smith, Southern Region Vice-President, AAAE
         Adam Kantrovich, Southern Region Alternate Vice-President, AAAE
            (Outstanding Paper Selection)

Facilitators:
Gary Wingenbach, Texas A&M University
Rick Rudd, University of Florida
Robin Peiter, University of Kentucky

10:30 a.m. Concurrent SAERC Session I

Session A: Technology and Distance Education
            White Oak Room

Chair: Jay Morgan, Murray State University
Discussant: David Lawver, Texas Tech University
Facilitators: Jeffrey Horne, Southern Arkansas University; Chanda Elbert, Texas A&M University

Roadmap to Measuring Distance Education Instructional Design Competencies - Kim E. Dooley, James R. Lindner, Texas A&M University; Ricky W. Telg, University of Florida; Lori Moore, University of Idaho; Lisa Lundy, Louisiana State University; Traci Irani, University of Florida

China Agricultural University Faculty Adoption Behavior about Web-Based Distance Education - Yan Li, James R. Lindner, Gary J. Wingenbach & Timothy H. Murphy, Texas A&M University
AGRICULTURAL EDUCATION

An Analysis of Technology Use and Quality of Life in a Rural West Texas Community - Susie J. R. Bullock, Texas A&M University & Texas Tech University; James H. Smith, Texas Tech University; Gary Briers, Texas A&M University

Relationships between Student Achievement and Levels of Technology Integration by Texas AgriScience Teachers – Jason B. Peake, The University of Georgia-Tifton Campus; Gary Briers & Tim Murphy, Texas A&M University

Session B: Professional Development
Lafayette Room

Chair: Cliff Ricketts, Middle Tennessee State University
Discussant: Jim Flowers, North Carolina State University
Facilitator: Travis Park, University of Florida; Penny Haase-Wittler, Southern Arkansas University.

Extension Agents’ Perceptions of Fundamental Job Characteristics and Their Level of Job Satisfaction - Meagan Scott, Kirk A. Swortzel & Walter N. Taylor, Mississippi State University

Teacher Preparation and In-Service Needs Associated With Management of the Total Program of Agricultural Education in Georgia - John C. Ricketts, John Uesseler, Jason B. Peake, The University of Georgia-Tifton Campus; Dennis W. Duncan, The University of Georgia

A Comparison of Teacher Efficacy of Traditionally and Alternatively Certified Agriculture Teachers - Steven J. Rocca & Shannon G. Washburn, University of Florida

Future Job Openings in the Field of Agricultural Education and Communication - David Jones & Rick D. Rudd, University of Florida

Session C: Youth Organizations
Ouachita Room

Chair: Robin Peiter, University of Kentucky
Discussant: Tony Brannon, Murray State University
Facilitator: Rusty Miller, Virginia Tech

Volunteer Administration Leadership Proficiency and Leadership Styles: Perceptions of Southern Region 4-H County Faculty - Nicole L. P. Stedman, Texas A&M University; Rick D. Rudd, University of Florida

National FFA Career Development Events: An Introspective Inquiry - Barry Croom & Gary E. Moore, North Carolina State University; Jim Armbruster, National FFA Center

Development of Youth Leadership Life Skills of Texas Youth as San Antonio Livestock Exposition School Tour Guides – Laura A. Real & Julie Harlin, Texas A&M University

Student Demographics, Extracurricular Participation and Safety Education of Students Participating in the 2003 Houston Livestock Show and Rodeo Agricultural Mechanics Project Show - Doug Ullrich, Dwayne Pavelock, Joe Muller & Billy Harrell, Sam Houston State University

12:00 p.m. Lunch on your own

1:15 p.m. SAEC Committee Meetings

Professional Development Committee
White Oak Room
AGRICULTURAL EDUCATION

Chair: Barry Croom, North Carolina State University (5/05)
Members:
Kirk A. Swortzel, Mississippi State University (5/06)
Shannon G. Washburn (5/06)
Carrie A. Fritz (5/07)
John C. Ricketts (5/07)

Program Improvement Committee
Conway Room

Chair: Tom Dobbins, Clemson University (5/05)
Members:
Jim Leising, Oklahoma State University (5/06)
Robin Peiter (5/06)
Dennis W. Duncan (5/07)
Chandra Elbert (5/07)

Research Committee
Ouachita Room

Chair: James E. Dyer, University of Florida (5/05)
Members:
Craig Edwards, Oklahoma State University (5/06)
Todd Brashears (5/07)
Barry Boyd (5/07)

Communications Committee
Lafayette Room

Chair: Gary J. Wingenbach, Texas A&M University (last year’s chair) (5/05)
Members:
Adam Kantrovich (5/06)
Dwayne Cartmell (5/06)
Jerry Gibson (5/07)
Kim E. Dooley (5/07)
Tracy A. Rutherford (5/07)

Resolutions Committee
Marion Room
Chair: Mark Kistler, University of Florida
Dwayne Pavelock, Sam Houston State University
Antoine Alston, North Carolina A&T State University

2:45 p.m. Poster Session and Break
Prefunction Area – Peabody Hotel

Chair: Tom Dobbins, Clemson University

Identifying Educational Opportunities for Youth Participating in the 4-H or FFA Swine Project: A Survey of Packers - Lisa Koteras, Jodi Sterle & Chris Boleman, Texas A&M University

Fuel Efficiency of Small Gas Engines: Unleaded Gasoline versus Ethanol 85 (E-85) - Keith Warnock, Aaron Dickinson, George Wardlow & Donald Johnson, University of Arkansas

Agri-Science for Teachers: A New Methods Course for the Agri-Science Laboratory - John C. Ricketts, Dennis Duncan & Jason Peake, The University of Georgia
A Comprehensive Summer In-Service Program: Spanning the Generations - Jon W. Ramsey & R. Brent Young, Oklahoma State University

Using Role-Playing to Teach Risk and Crisis Communication Skills - Courtney Wimmer, Sarah Heuer & Jefferson D. Miller, University of Arkansas

Project ACCESS: Agricultural Consortium for Comprehensive Educational Support and Service Project - Jay Morgan, Murray State University

Certificate in Agricultural and Natural Resources Information Science - Marcus M Comer, North Carolina A&T State University

Assessing Middle School Teachers Expectations of Training for Graduate Fellows Assigned to Integrate Science/Math into Rural Classrooms - Diana L. Mowen, Shannon Degenhart, Julie Harlin, Gary J. Wingenbach & James R. Lindner, Texas A&M University

Enhancing Educator Knowledge of Sheep and Goat Production - Linda Coffey & Margo Hale, North Carolina A&T State University/ATTRA

Independent Group Projects for the Virginia Governor’s School for Agriculture - John Cannon, Virginia Polytechnic Institute and State University

The Food Land and People Curriculum: Integrating Agriculture across the Curriculum - David V. Powell, David M. Agnew & Mark McJunkin, Arkansas State University

The Kentucky Teacher Internship Program: An Innovative Program for First Year Agriculture Teachers - David Coffey, Western Kentucky University

It’s Now a Breeze, Really: Teaching Technology at a Distance - K. Dale Layfield, Clemson University

Using Hand Held ElectronicResponders to Induce Active Learning in the Classroom - Barry Croom, North Carolina State University

Agriscience Reform in Agricultural Education at Clemson University - Salvatore A. Sparace, John R. Cummings, Thomas R. Dobbins, K. Dale Layfield, Christine Minor & Jerry A. Waldvogel, Clemson University

AgBall: Using Football and the Internet to Teach Agriculture - John C. Ricketts, Jason Peake, Dennis Duncan, Frank Flanders, & Emuel Aldridge, The University of Georgia

Agri-Science for Teachers: A New Methods Course for the Agri-Science Laboratory - John C. Ricketts, Dennis Duncan & Jason Peake, The University of Georgia

Expanding the Magnitude of Research Using Teacher Consultants - Jacquelyn Deeds, Walter Taylor, & Kirk Swortzel, Mississippi State University; Gary Wingenbach, Texas Tech University

Technology on Wheels…I’ll Take Mine to Go! - Holly J. Kasperbauer, Texas A&M University

Articulation in Agriculture: A Seamless Program of Success in Agricultural Education - Brian Parr, Murray State University

Middle School Students’ Attitudes toward Math and Science - Shannon H. Degenhart, Diana Mowen, Julie Harlin, Gary J. Wingenbach, & James R. Lindner, Texas A&M University

4:00 p.m. SAAS General Session
Conway Room - Peabody Hotel

6:30 – 8:30 p.m. SAAS Reception
Statehouse Ballroom - Convention Center
AGRICULTURAL EDUCATION

Monday, February 7

7:30 a.m.  Registration—Louisiana State University
Prefunction Area - Peabody Hotel

8:30 a.m. Concurrent SAERC Session II

8:30 a.m. Concurrent Session II

Session D: Student Teaching
Ouachita Room

Chair: Marcus Comer, North Carolina A&T State University
Discussant: Gary Moore, North Carolina State University
Facilitator: Dwayne Pavelock, Sam Houston State University; Penny Haase-Wittler, Southern Arkansas University.

The Process of Supervision with Student Teacher Choice: A Qualitative Study - Carrie A. Fritz & Michelle Stumbo, University of Tennessee
A Profile of Cooperating Teachers and Centers in Oklahoma: Implications for the Student Teaching Experience in Agricultural Education – R. Brent Young & M. Craig Edwards, Oklahoma State University
Career Decisions of Pre-service Agricultural Education Teachers: A Synthesis of Research - Steven J. Rocca & Shannon G. Washburn, University of Florida
Challenges Expressed By Cooperating Teachers When Working With Students Teachers in Agricultural Education: A Delphi Study - Carrie A. Fritz & Lori Jean Mantooth, University of Tennessee

Session E: Extension Programs and Personnel
Lafayette Room

Chair: Adam Kantrovich, Morehead State University
Discussant: Randol Waters, University of Tennessee
Facilitator: Elizabeth B. Wilson, North Carolina State University

Correlational and Predictive Attributes of Demographic Factors and Their Relationship to Hispanic Participation in Texas Extension Programs - Ruben J. Saldaña, Texas Cooperative Extension Service; David Lawver, Texas Tech University; James Lindner & Scott Cummings, Texas A&M University; Hansel Burley & Marvin Cepica, Texas Tech University
Factors Contributing to Volunteer Administration Leadership Proficiency of Southern Region 4-H County Faculty - Nicole L. P. Stedman, Texas A&M University; Rick D. Rudd, University of Florida
Characteristics of Creative County Extension Programs in Texas: Comparison of Administrative Perceptions to Observations in Identified Creative Programs - Michael Womack, Texas Cooperative Extension Service; Matt Baker, Texas Tech University; Kim E. Dooley, Texas A&M University
The Relationships between Selected Demographic Factors and the Level of Job Satisfaction of Extension Agents - Meagan Scott, Kirk A. Swortzel & Walter N. Taylor, Mississippi State University
AGRICULTURAL EDUCATION

Session F: Leadership and Youth Development
Harris Room

Chair: Dennis W. Duncan, University of Georgia
Discussant: James Leising, Oklahoma State University
Facilitator: Nicole Stedman, Texas A&M University

Challenges of Service-Learning in a Southern State’s 4-H Youth Development Program: A Delphi Study - Lori Jean Mantooth & Carrie A. Fritz, University of Tennessee

The Impact of Socioeconomic Status on Leadership Potential in an Agricultural Leadership Program - Leah J. Wall, Timothy J. Pettibone & Kathleen D. Kelsey, Oklahoma State University

Selected Texas Agricultural Organization Board Members’ Perceptions of Communication Methods and the 2002 Farm Bill - Christa L. Catchings, Gary J. Wingenbach & Tracy A. Rutherford, Texas A&M University

Benefits of Service-Learning in a Southern State’s 4-H Youth Development Program: A Delphi Study - Lori Jean Mantooth & Carrie A. Fritz, University of Tennessee

10:00 a.m. Break

10:30 a.m. Concurrent SAERC Session III

Session G: Instructional Methods
Ouachita Room

Chair: Carrie A. Fritz, University of Tennessee
Discussant: Jacque Deeds, Mississippi State University
Facilitator: Jason B. Peake, The University of Georgia-Tifton Campus

Reading Strategies and Textbook Use in Agricultural Education - Travis Park & Edward W. Osborne, University of Florida

Using CD-Based Materials to Teach Turfgrass Management: An Assessment of the “Turf for Texans” Master Gardener Curriculum - Chyrel A. Mayfield & Gary J. Wingenbach, Texas A&M University; David R. Chalmers, Texas Cooperative Extension Service

Effects of Investigative Laboratory Instruction on Content Knowledge and Science Process Skill Achievement across Learning Styles - Brian E. Myers & James E. Dyer, University of Florida

Effects of Lecture Versus Experiential Teaching Method On Cognitive Achievement, Retention, and Attitude Among High School Agriscience Students - Linda Ann Newsome, George W. Wardlow & Donald M. Johnson, University of Arkansas

Session H: Learning Styles and Learning
Lafayette Room

Chair: John Ricketts, University of Georgia
Discussant: Barry Boyd, Texas A&M University
Facilitator: Holly Kasperbauer, Texas A&M University

The Influence of Learning Style, Leadership Style, and Leadership Adaptability on Critical Thinking Disposition - Kimberly A. Bellah & James E. Dyer, University of Florida

The Effects of Multimedia Cues On Student Cognition in An Electronically Delivered High School Unit of Instruction - Todd Brashears, Cindy Akers & James Smith, Texas Tech University
AGRICULTURAL EDUCATION

The Influence of Student Learning Experience Level and Learning Style on Achievement – T. Grady Roberts, Texas A&M University

A Comparison of Commonwealth Accountability Standardized Test Scores Between High School Agricultural Education / Career and Technical Education Students and the Kentucky State Standards - Brian Parr, Jay A. Morgan & Catherine Woglom, Murray State University

Session I: Mentoring
Harris Room

Chair: Jay Morgan, Murray State University
Discussant: David Coffey, Western Kentucky University
Facilitator: Diana Mowen, Texas A&M University

College of Agriculture Faculty Perspectives in Their Role as Advisor and Mentor - Robin L. Peiter & Beth Dukes, University of Kentucky

Factors Related to the Effectiveness of Progress toward Degree Regulations - Elizabeth B. Wilson & Barbara M. Kirby, North Carolina State University

Coverage and Outcomes of the Space Agriculture in the Classroom Program - Glenn D. Israel, Jennifer M. Richardson, Edward W. Osborne, Shannon G. Washburn & James E. Dyer, University of Florida

Student Advising and Mentoring in a College of Agriculture: Examining Faculty and Administration Attitudes - Robin L. Peiter & Beth Dukes, University of Kentucky

12:00 p.m. SAEC Luncheon
Peabody Ballroom Salon C

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. SAEC Business Meeting
Ouachita Room

Presiding: James Smith, Texas Tech University, Southern Region AAAE Vice-President; SAEC Vice President: Randol Waters, University of Tennessee; and SAEC Secretary: Thomas R. Dobbins, Clemson University

2:00- 3:30 p.m.
SAAS Board of Directors Meeting
Miller Room - Statehouse Convention Center
(Kotrlik/Waters/Dobbins)

2:45 p.m. Break

3:15 – 4:45 p.m.
Professional Development Seminars
Peabody Ballroom Salon B

Chair: Barry Croom, North Carolina State University, Chair, SAEC Professional Development Committee
Facilitators: Kirk A. Swortzel, Mississippi State University; Shannon G. Washburn; Carrie A. Fritz, University of Tennessee; John C. Ricketts, The University of Georgia

- Innovative Professional Development for Teachers
- Undergraduate and Graduate Distance Education
- Agricultural Literacy
- Agricultural Leadership Programs
- Teaching the Integration of Academics and Career and Technical Education
- Teaching Teachers How to Cope With Misbehavior
- International Education

5:30 p.m. SAERC Awards Reception
Peabody Ballroom Salon C

Tuesday, February 8

7:00 a.m. SAAS Board of Directors Meeting
Fulton Room - Statehouse Convention Ctr

8:30 a.m. Professional Development Seminars
Peabody Ballroom Salon B

Chair: Barry Croom, North Carolina State University, Chair, SAEC Professional Development Committee
Facilitators: Kirk A. Swortzel, Mississippi State University; Shannon G. Washburn; Carrie A. Fritz, University of Tennessee; John C. Ricketts, The University of Georgia

- Alternative Certification for Teachers
- Teacher Induction
- Innovative Teaching Ideas
- How to Prepare Articles for Acceptance in a Journal
- Research Agendas and Ideas

10:00 a.m. Adjournment
ANIMAL SCIENCE
SOUTHERN SECTION
American Society of Animal Science
ANNUAL MEETING

February 4–8, 2005
Little Rock, Arkansas

2004-2005
ASAS SOUTHERN SECTION OFFICERS
Dr. Kenneth L. Esbenshade, President
North Carolina State University
Raleigh, NC
Dr. Ronald D. Randel, President-Elect
Texas A&M University
Overton, TX
Dr. Dale A. Coleman, Secretary-Treasurer
Auburn University
Auburn, AL
Dr. Chadwick C. Chase, Jr., Secretary-Treasurer-Elect
USDA, ARS, STARS
Brooksville, FL
Dr. Debra K. Aaron, Past President
University of Kentucky
Lexington, KY

Award Sponsors
2005 Southern Section ASAS

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

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

Young Animal Scientist – Research
Elanco Animal Health
Greenfield, IN

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

Young Animal Scientist – Education
Undergraduate Paper Competition
Graduate Student Awards Competition

PROGRAM EVENTS

Friday, February 4

Academic Quadrathlon (AQ)
9:00 pm: Advisor’s Meeting
Fayetteville, AR
ANIMAL SCIENCE

Saturday, February 5

AQ Lab Practicum
8:00 am – Noon
Fayetteville, AR

AQ Written Exam
1:00 - 5:00 pm
Fayetteville, AR

Sunday, February 6

AQ Quiz Bowl
8:00 am – noon
Caraway I, Caraway II

AQ Oral Presentations
8:00 am – noon
Caddo, Caraway III, Osage, Quapaw, Toltec

Registration
1:00 - 5:00 pm
Rotunda

AQ Quiz Bowl Championship & Awards Program
2:00 - 3:30 pm
Caraway I

ARPAS Exam
3:00 - 5:00 pm
Peck

Information Exchange Groups:
IEG-72 Enhancing Reproduction in Cattle - Randy Stanko, President
1:00 - 4:00 pm
Neosho

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

IEG - Small Ruminant Production - Joan Burke, President
1:00 - 4:00 pm
Harris

SAAS Opening Symposium
4:00 - 6:00 pm
Conway

ASAS Southern Section Advisory Committee/Executive Committee
6:00 - 8:00 pm
Miller
ANIMAL SCIENCE

Monday, February 7

Registration
7:00 am – Noon
Rotunda

ARPAS Exams
10:00 – noon
Peck

Undergraduate Student Competition
8:00 - 10:00 am
Statehouse Ballroom B

Graduate Student Paper Competition
10:15 am – Noon
Statehouse Ballroom B

Registration
1:00 - 5:00 pm
Rotunda

ARPAS Exams
2:00 - 4:00 pm
Peck

Breeding and Genetics
1:00 - 3:00 pm
Lafayette

Pastures and Forages I and II
1:00 - 4:00 pm
Statehouse Ballroom A

Physiology
1:00 - 4:30 pm
Caraway II

Small Ruminant Production I and II
1:00 - 4:15 p.m.
Statehouse Ballroom B

Business Meeting
5:00 - 7:00 pm
Statehouse Ballroom A

Tuesday, February 8

Registration
8:00 – noon
Rotunda

Extension I and II
8:15 am - 12:15 pm
Statehouse Ballroom B

Meat Science
8:00 - 9:45 am
Neosho
ANIMAL SCIENCE

Tropically Adapted Breeds - Regional Project
S1013-S277 I and II
8:00 – noon
Caraway I

Ruminant Animal Production
9:00 – noon
Ouachita

Extension Luncheon
12:30 - 2:30 pm
Fulton

Tropically Adapted Breeds - Regional Project
S1013-S277 III and IV
1:00 - 5:00 pm
Caraway I

Small Ruminant Production III and IV
1:00 - 5:00 pm
Statehouse Ballroom B

ASAS Southern Section Meeting
Little Rock, Arkansas
February 4-8, 2005

Monday, February 7, 2005

Undergraduate Student Competition
Room: Statehouse Ballroom B
Monday 8:00–10:00
Chair: Juan Marcos Fernandez, Louisiana State University, Baton Rouge, LA

1 8:00
Increased meat goat production through anestrous doe management. L. L. Schneider*1
and R. L. Stanko1,2, 1Texas A&M University-Kingsville, 2Texas A&M University
Agricultural Research Station.

2 8:15
Validation of spectrophotometric methods for determining sperm concentration in ram and
bull semen. E. L. Chamberlain*1 and R. W. Godfrey2, 1Department of Animal Sciences,
Louisiana State University, 2Agricultural Experiment Station, University of the Virgin
Islands.

3 8:30
Castration and concentrate feeding influence performance and carcass characteristics of
meat goats. S. R. Johnson*, M. H. Poore, A. D. Shaeffer, S. R. Freeman, H. M. Glennon,
and J.-M. Luginbuhl, North Carolina State University.

4 8:45
Improving voluntary feed intake by the sow during lactation. C. W. O’Gorman*1, J. Miller1,
J. W. Rounsavall1, F. Neher2, and J. C. Laurenz1, 1Texas A&M University-Kingsville,
2Biomin, Inc.

5 9:00
Level and source of supplemental selenium in beef calves. R. S. Fry*1, E. B. Kegley1, M.
E. Davis1, M. D. Ratcliff1, D. L. Galloway1, and R. A. Dvorak2, 1University of Arkansas,
Division of Agriculture, 2Alltech.
Dehydroepiandosterone-sulfate (DHEAS) enhances immunization response to keyhole limpet hemocyanin (KLH) and ovalbumin (OVA). J. Dominguez*, N. Burdick, T. H. Welsh, Jr., and J. C. Laurenz. Texas A&M University-Kingsville, Texas Agricultural Experiment Station-College Station.

Effects of dexamethasone, and selenium and vitamin E on steers consuming tall fescue baleage. C. Garner*, M. Nihsen, Z. Johnson, D. Kreider, and C. Rosenkrans, Jr., Department of Animal Science, University of Arkansas.

The effect of fatty acids on the insulin response of L6 myoblasts. N. C. Burdick* and J. C. Laurenz, Texas A&M University-Kingsville.

Graduate Student Competition
Room: Statehouse Ballroom B
Monday 10:15–noon
Chair: Chance Brooks, Texas Tech University, Lubbock, TX

Supplementation with dietary fat compared to ryegrass grazing on carcass traits and reproductive efficiency in yearling beef heifers. A. R. Dos Santos*, S. T. Willard, and R. C. Vann. Department of Animal and Dairy Sciences, Mississippi State, MS, Brown Loam Experiment Station.

Effects of sericea lespedeza hay on goats infected with Haemonchus contortus. S. A. Shaik*, T. H. Terrill, B. Kouakou, G. Kannan, J. E. Miller, R. M. Kaplan, J. M. Burke, and J. A. Mosjidis. Fort Valley State University, Louisiana State University, The University of Georgia, USDA, ARS-DBSFRC, Auburn University.

Efficacy of copper oxide wire particles against gastrointestinal nematodes of goats. R. K. Kallu*, T. H. Terrill, and J. E. Miller. Fort Valley State University, Louisiana State University.


No-till compared to reduced-till and conventional tillage systems for small-grain forages. M. Bowman*, P. Beck, K. Lusby, S. Gunter, and D. Hubbell, University of Arkansas.

Dexamethasone (DEX) and Insulin-like growth factor-1 (IGF-1) effects on pig macrophage nitric oxide production in vitro. L. A. Soliz\textsuperscript{*1}, T. H. Welsh, Jr. \textsuperscript{2}, and J. C. Laurenz\textsuperscript{1}, \textsuperscript{1}Texas A&M University-Kingsville, \textsuperscript{2}Texas Agricultural Experiment Station-College Station.

Breeding and Genetics
Room: Lafayette
Monday 1:00–3:00
Chair: S. M. DeRouen, Hill Farm Research Station, Louisiana State University AgCenter

16 1:00
Different measures of energetic efficiency, ultrasound and carcass merit and their relationships with mitochondrial activity in Angus cattle. B. A. Sandelin\textsuperscript{*1}, A. H. Brown, Jr. \textsuperscript{1}, C. Ojano-Dirain\textsuperscript{1}, M. Iqbal\textsuperscript{1}, W. G. Bottje\textsuperscript{1}, M. A. Brown\textsuperscript{2}, W. O. Herring\textsuperscript{3}, M. Akin\textsuperscript{4}, Z. B. Johnson\textsuperscript{1}, and R. T. Baublits\textsuperscript{1}, \textsuperscript{1}University of Arkansas, \textsuperscript{2}USDA-ARS Grazinglands Research Laboratory, \textsuperscript{3}Smithfield Premium Genetics Group, \textsuperscript{4}Circle A Angus Ranch.

17 1:15
Success at first insemination in Australian Angus cattle: analysis of uncertain binary responses. M. Spangler\textsuperscript{*}, R. Sapp, R. Rekaya, and J. Bertrand, University of Georgia.

18 1:30

19 1:45
Effects of climatic and phototrophic conditions prior to feeding on feed intake of beef bulls during post-weaning feedlot performance tests. G. T. Tabler\textsuperscript{*1}, A. H. Brown, Jr. \textsuperscript{1}, E. E. Gbur\textsuperscript{2}, I. L. Berry\textsuperscript{3}, Z. B. Johnson\textsuperscript{1}, D. W. Kellogg\textsuperscript{1}, and K. C. Thompson\textsuperscript{2}, \textsuperscript{1}University of Arkansas Department of Animal Science, \textsuperscript{2}University of Arkansas Agricultural Statistics Lab, \textsuperscript{3}University of Arkansas Department of Biological and Agricultural Engineering.

20 2:00
Effects of climate and photoperiod on feed intake of beef bulls during feedlot performance tests. G. T. Tabler\textsuperscript{*1}, A. H. Brown, Jr. \textsuperscript{1}, E. E. Gbur\textsuperscript{2}, I. L. Berry\textsuperscript{3}, Z. B. Johnson\textsuperscript{1}, K. C. Thompson\textsuperscript{2}, and D. W. Kellogg\textsuperscript{1}, \textsuperscript{1}University of Arkansas Department of Animal Science, \textsuperscript{2}University of Arkansas Agricultural Statistics Lab, \textsuperscript{3}University of Arkansas Department of Biological and Agricultural Engineering.

21 2:15
Relationships between performance test traits and age at first farrowing in four breeds of swine. Z. Johnson\textsuperscript{*1}, J. Chewning\textsuperscript{1}, and R. Nugent, III\textsuperscript{2}, \textsuperscript{1}University of Arkansas, \textsuperscript{2}The Pork Group, Tyson Foods, Inc.

22 2:30
Estimation of (co) variance components due to genetic competition effects in pigs. J. P. Cassady\textsuperscript{*1} and L. D. Van Vleck\textsuperscript{2}, \textsuperscript{1}North Carolina State University, \textsuperscript{2}USDA-ARS, Roman L. Hruska U.S. Meat Animal Research Center.

23 2:45
A study of parasite challenge in goats. J. M. Dzakuma\textsuperscript{*1}, L. C. Nuti\textsuperscript{1}, B. M. Johnson\textsuperscript{1}, N. C. Beckford\textsuperscript{1}, S. E. Kom\textsuperscript{1}, P. L. Diamond\textsuperscript{2}, and T. M. Craig\textsuperscript{2}, \textsuperscript{1}Prairie View A&M University, \textsuperscript{2}Texas A&M University.
24 1:00
Evaluation of two digestibility markers for cattle consuming wheat pasture or alfalfa hay based diets. L. Appeddu\textsuperscript{1}, K. Sweeney\textsuperscript{1}, J. Su\textsuperscript{1}, K. Mediano\textsuperscript{1}, and M. Brown\textsuperscript{2}, \textsuperscript{1}Southwestern Oklahoma State University, \textsuperscript{2}USDA-ARS Grazinglands Research Laboratory.

25 1:15
Remote sensing of crude protein in bermudagrass pastures during the summer grazing season. P. J. Starks\textsuperscript{1}, W. A. Phillips\textsuperscript{1}, and S. W. Coleman\textsuperscript{2}, \textsuperscript{1}USDA-ARS Grazinglands Res. Lab, \textsuperscript{2}USDA-ARS Subtropical Ag. Res. Sta.

26 1:30

27 1:45
In situ degradation of native legumes and alfalfa in goats and cattle. J. Foster\textsuperscript{*}, J. Muir\textsuperscript{1}, B. Lambert\textsuperscript{1,2}, and D. Pawelek\textsuperscript{1}, \textsuperscript{1}Texas Agricultural Experiment Station, \textsuperscript{2}Department of Animal Sciences, Tarleton State University.

28 2:00
Nutritional quality evaluation of forage from bahiagrass selections. R. Myer\textsuperscript{*}, S. Coleman\textsuperscript{2}, J. Carter\textsuperscript{1}, A. Blount\textsuperscript{1}, and R. Littell\textsuperscript{1}, \textsuperscript{1}University of Florida, \textsuperscript{2}USDA-ARS,STARS.

29 2:15
Aerobic stability of wheat and orchardgrass balage during winter months. R. Rhein, W. Coblenz\textsuperscript{*}, J. Turner, C. Rosenkrans, R. Ogden, and D. Kellogg, University of Arkansas Division of Agriculture.

2:30 Break

Pastures and Forages II
Room: Statehouse Ballroom A
Monday 2:45–4:00
Chair: Warren Gill, University of Tennessee, Nashville, TN

30 2:45
Interseeding small grains and(or) annual ryegrass into bermudagrass sod for growing cattle. P. A. Beck\textsuperscript{*}, S. A. Gunter, C. B. Stewart, and J. M. Phillips, University of Arkansas, SW Research & Extension Center.

31 3:00
Timing of herbage allocation 1. Effect on beef heifers daily grazing pattern. P. Gregorini\textsuperscript{1,2}, M. Eirin\textsuperscript{1}, R. Refi\textsuperscript{1}, M. Ursino\textsuperscript{1}, and O. Ansín\textsuperscript{1}, \textsuperscript{1}FCAyF, Universidad Nacional de La Plata, \textsuperscript{2}Animal Science Department, University of Arkansas.
ANIMAL SCIENCE

32 3:15
Timing of herbage allocation 2. Effect on beef heifers weight gain, body condition score and daily herbage intake. P. Gregorini*1,2, M. Eirin1, R. Refi1, M. Ursino1, and O. Ansin1, 
1FCayF, Universidad Nacional de La Plata , 2Animal Science Department, University of Arkansas.

33 3:30
Effect of weaning date and pasture rotation frequency on weaning and post-weaning growth performance by fall-born calves grazing tall fescue pastures. K. Coffey*1, W. Coblenz1, R. Ogden1, T. Smith1, D. Scarbrough1, D. Hubbell, III1, C. Rosenkranz1, and J. Jennings2, 1University of Arkansas, 2Cooperative Extension Service.

34 3:45

Physiology
Room: Caraway II
Monday 1:00–4:30
Chair: M.J. Estienne, Virginia Tech, Blacksburg, VA

35 1:00
Hormonal profiles in pregnant ewes following intra-uterine inoculation with Escherichia coli. K. Moulton*1, S. Willard1, P. Ryan1, A. Chromiak1, D. Tucker1, C. Klauser2, S. Rodts-Palenik2, C. Rose2, J. Morrison2, and W. Bennett2, 1Department of Animal and Dairy Science, 2Department of Obstetrics and Gynecology, University of Mississippi Medical Center.

36 1:15
Use of digital infrared thermal imaging to evaluate the effect of scrotal color on scrotal surface temperatures of hair sheep rams in the tropics. S. Augustin*, R. W. Godfrey, R. E. Dodson, and A. J. Weis, Agricultural Experiment Station, University of the Virgin Islands.

37 1:30
Effect of pyruvate and lactate on motility of cold stored stallion spermatozoa. G. Webb* and C. Dekat, Southwest Missouri State University.

38 1:45
Motility characteristics of boar spermatozoa during long-term storage in different extenders. M. Estienne*1, J. Day2, and A. Harper1, 1Virginia Polytechnic Institute and State University, 2Auburn University.

39 2:00
The acute-phase response of cloned pigs following an immune challenge. J. Carroll*1, B. Carter2, S. Korte3, S. Dowd1, and R. Prather4, 1Livestock Issues Research Unit, ARS-USDA, Lubbock, Texas, 2College of Veterinary Medicine, Kansas State University, Manhattan, 3Department of Veterinary Pathobiology, University of Missouri, Columbia, 4Department of Animal Science, University of Missouri, Columbia.
Cortisol concentrations in gilts housed individually in stalls or in groups in pens during the first 30 d post-mating. M. Estienne*, A. Harper, and J. Knight, Virginia Polytechnic Institute and State University.

2:30 Break

Effects of GnRH in combination with PGF₂ on ovarian function in post-pubertal Holstein heifers. R. Harper¹, W. Bennett², E. Cuadra*¹, C. Vaughn¹, and N. Whitworth², ¹Alcorn State University, ²University Medical Center.

Utilization of progesterone releasing devices on improving reproductive performance of ‘at-risk’ beef cows. R. C. Vann*¹ and T. Engelken², ¹MAFES-Brown Loam Experiment Station, ²CVM-Mississippi State University.

Effects of intra-vaginal progesterone releasing devices on the survival of embryos transferred to recipient suckling multiparous beef cows. E. J. Cuadra¹, R. C. Vann*², W. A. Bennett³, R. Johnson¹, S. T. Willard⁴, and T. Kiser⁴, ¹Alcorn State University, ²Brown Loam Experiment Station, ³University of Mississippi Medical Center, ⁴Dept of Animal & Dairy Science, Mississippi State University.

Effects of supplemental progesterone in a timed insemination protocol in beef heifers. N. Post*, D. Kreider, R. Rorie, and T. Lester, University of Arkansas.

Effect of melengestrol acetate (MGA) and monensin supplementation on puberty and pregnancy rates in crossbred beef heifers. J. L. Roberts¹, R. P. DelVecchio¹, G. T. Gentry, Jr.*¹,², D. Sanders², P. E. Humes¹, and R. A. Godke¹, ¹Department of Animal Sciences, LSU Agricultural Center, ²Idlewild Research Station.

Growth traits and reproductive parameters of Holstein and Gir (Bos indicus) x Holstein bulls and heifers. A. Denson*¹, S. Schmidt¹, S. Bowers¹, T. Dickerson¹, K. Graves¹, R. Vann², and S. Willard¹, ¹Department of Animal and Dairy Sciences, Mississippi State University, ²Brown Loam Branch Experiment Station.


Use of melengestrol acetate (MGA) feeding to synchronize mating in hair sheep and meat goats during seasonal breeding. S. Wildeus*1, D. H. Keisler2, and J. R. Collins1, 1Virginia State University, 2University of Missouri.

Effects of oocyte transport methods on maturation rate in sheep. B. Sayre*, Virginia State University.

Application of a bovine electronic estrus mount detection system for use in goats and hair sheep. S. Wildeus* and J. R. Collins, Virginia State University.

Initial assessment of three meat goat breeds for preweaning doe-kid performance. R. Browning, Jr.*, S. Kebe, T. Payton, B. Donnelly, P. Pandya, and M. Byars, IAgER - Tennessee State University.

Effect of breed, rearing management, and supplement type on gastrointestinal parasitism in hair sheep lambs. S. Wildeus*1, J. E. Miller2, and J. R. Collins1, 1Virginia State University, 2Louisiana State University.

The use of copper oxide wire particles (COWP) in pregnant ewes. J. Burke*1 and J. Miller2, 1USDA, Agricultural Research Service, 2School of Veterinary Medicine, Louisiana State University.

Interaction between copper oxide wire particles (COWP) and *Duddingtonia flagrans* in hair breed lambs. J. Burke*1, J. Miller2, M. Larsen3, and T. Terrill*4, 1USDA, Agricultural Research Service, 2School of Veterinary Medicine, Louisiana State University, 3The Royal Veterinary and Agricultural University, 4Agricultural Research Station, Fort Valley State University.

Effect of 0.5, 1.0 and 1.5 gram copper oxide wire particles on natural infection in lambs. J. Miller1, J. Burke2, and T. Terrill*3, 1Louisiana State University, 2USDA ARS Booneville, 3Fort Valley State University.
Effect of the condensed tannin containing forage, sericea lespedeza, fed as hay, on natural and experimental challenge infection in lambs. K. Lange1, D. Olcott1, J. Miller*1, J. Mosjidis2, T. Terrill3, and J. Burke4, 1Louisiana State University, 2Auburn University, 3Fort Valley State University, 4USDA ARS Booneville.

Business Meeting
5:00–7:00 p.m.
Statehouse Ballroom A

Tuesday, February 8, 2005

Extension I
Development and Evaluation of Original Programs
Room: Statehouse Ballroom B
Tuesday 8:15–10:00
Chair: John Arthington, University of Florida, Ona, FL

Results of technology questions as part of Master Cattle Producer Survey. J. B. Neel*, C. D. Lane, W. W. Gill, and A. E. Fisher, University of Tennessee.

Cooperative multi-state extension programming; the five state beef initiative. Project development and extension program impacts in Kentucky. L. Meyer*, K. Burdine, and J. Johns, University of Kentucky.

Cooperative multi-state extension programming; the five state beef initiative. Carcass data, case studies and pricing scenarios for improving on-farm herd management in Kentucky. K. Burdine*, J. Johns, and L. Meyer, University of Kentucky.

Producer education using a cattle feeding profitability prediction contest. J. A. Parish* and W. B. McKinley, Mississippi State University.

Horse Round Table: A unique approach to a one evening program. F. Harper*1, N. Denton1, T. Petty1, K. Hart1, and S. Jerrell2, 1University of Tennessee, 2Virginia Polytechnic Institute and State University.


10:00 Break
ANIMAL SCIENCE

Extension II
Applied Research and Demonstrations
Room: Statehouse Ballroom B
Tuesday 10:15–12:15
Chair: John T. Johns, University of Kentucky, Lexington, KY

81 10:15
Preconditioning reduces sickness and death loss in weaned calves. D. Lalman*1, A. Hutson1, W. Shearhart1, C. Ward1, and S. McKinley2, 1Oklahoma State University, 2Oklahoma Cattlemen’s Association.

82 10:30
The effects of method of castration, and/or implantation on cow/calf performance when creep grazing either tall fescue or crabgrass. B. Stewart*1, S. Gunter1, P. Beck1, M. Phillips1, J. Parrish2, and T. Troxel2, 1University of Arkansas, SW Research & Extension Center, 2University of Arkansas Cooperative Extension Service.

83 10:45
Impact of implant anomaly on performance and return of stocker cattle. P. A. Beck* and S. A. Gunter, University of Arkansas, SW Research & Extension Center.

84 11:00
Corn gluten feed as a diet ingredient for Senepol- or Angus-sired finishing steers. M. H. Poore*, J. P. Cassady, and G. A. Benson, North Carolina State University.

85 11:15
Effects of feeding soybean hulls or corn gluten feed during the preconditioning period on feedlot performance and carcass characteristics of Angus steers. J. E. Rossi*1 and P. Worley2, 1University of Georgia, Coastal Plain Experiment Station, 2Northwest Research and Education Center, Calhoun.

86 11:30
Milk production evaluation of straightbred Nellore and Nellore x Red Angus crossbred primiparous cows. J. M. B. Vendramini* and N. C. Favero, University of Florida.

87 11:45
Assessing and improving mineral status of a cow-calf herd. J. Gentry*1, K. Downs1, W. Gill2, and A. Fisher2, 1Middle Tennessee State University, 2University of Tennessee.

88 12:00

Meat Science
Room: Neosho
Tuesday 8:00–9:45
Chair: Susan Duckett, University of Georgia, Athens, GA

89 8:00
Relationship between ultrasound and carcass measures of Charolais-cross harvest cattle using an automated computer tracing software. T. Perkins*1, C. Fercherio2, and J. Worthington1, 1Southwest Missouri State University, 2Purina Mills, LLC.
ANIMAL SCIENCE

90 8:15
Fatty acid profiles and meat characteristics of different biological types of beef cattle developed on grazed forages under a rotational management-intensive grazing system. M. Thomas*1, D. Kellogg1, A. Brown1, D. Rule2, Z. Johnson1, K. Anschutz1, R. Baublits1, and C. Murietta2, 1University of Arkansas, 2University of Wyoming.

91 8:30

92 8:45
Effects of sodium chloride, phosphate type and concentration, and pump rate on beef biceps femoris quality and sensory characteristics. R. T. Baublits*, F. W. Pohlman, A. H. Brown, Jr., and Z. B. Johnson, University of Arkansas.

93 9:00
Effects of sodium chloride, phosphate type and concentration, and pump rate on beef biceps femoris instrumental color characteristics. R. T. Baublits*, F. W. Pohlman, A. H. Brown, Jr., and Z. B. Johnson, University of Arkansas.

94 9:15
Meat quality and sensory characteristics of beef biceps femoris steaks treated with sodium chloride and differing phosphate types, concentrations and pump rates, compared with untreated steaks or steaks treated with only sodium chloride. R. T. Baublits*, F. W. Pohlman, A. H. Brown, Jr., and Z. B. Johnson, University of Arkansas.

95 9:30
Instrumental color characteristics of beef biceps femoris steaks treated with sodium chloride and differing phosphate types, concentrations or pump rates, compared with untreated steaks or steaks treated with only sodium chloride. R. T. Baublits*, F. W. Pohlman, A. H. Brown, Jr., and Z. B. Johnson, University of Arkansas.

Tropically Adapted Breeds - Regional Project
S1013-S277 I
Room: Caraway I
Tuesday 8:00–10:00
Chair: Larry V. Cundiff, U.S. Meat Animal Research Center, ARS, USDA, Clay Center, NE

8:00
Introduction, Larry Cundiff, U.S. Meat Animal Research Center, ARS, USDA, Clay Center, NE.

96 8:05
Rationale for evaluating alternative sources of subtropically adapted beef cattle germplasm. F. A. Thrift*1 and T. A. Thrift*2, 1University of Kentucky, 2University of Florida.

97 8:25
Florida crossbreeding research. D. G. Riley*1, G. R. Hansen2, J. R. Crockett2, T. A. Olson2, and C. C. Chase, Jr.1, 1ARS, 2Univ. of Florida.

98 8:45
Reproduction of Bos indicus breeds and crosses. R. D. Randel*, Texas A&M University Agricultural Research and Extension Center - Overton.
Birth to harvest attributes of Brahman and Brahman-influenced steers. F. M. Rouquette*1, C. R. Long1, J. J. Cleere2, and R. D. Randel1, 1Texas Agricultural Experiment Station, 2Texas Cooperative Extension.

Zero, 1/4, and 1/2 Brahman cows in spring vs fall calving programs. D. Buchanan* and R. Frahm, Oklahoma Agricultural Experiment Station.


Feedlot performance and carcass characteristics of Brahman x British and Brahman x Continental Beef Steers. W. Wyatt*, S. DeRouen, T. Bidner, P. Humes, D. Franke, and D. Blouin, Louisiana State University Agricultural Center.


Evaluation of F1 crosses of five Bos indicus breeds with Hereford for birth, growth, carcass, cow productivity and longevity traits. J. Sanders*1, D. Riley2, J. Paschal1, and D. Lunt1, 1Texas Agricultural Experiment Station, 2United States Department of Agriculture, Agricultural Research Service, Subtropical Agricultural Research Station.

Evaluation of Brahman and tropically adapted Bos taurus breeds in the humid subtropics. C. C. Chase, Jr.*1, D. G. Riley1, T. A. Olson2, and S. W. Coleman1, 1USDA, ARS, Subtropical Agricultural Research Station, 2University of Florida.

Lifetime performance and efficiency of F1 tropically adapted beef cattle breeds x Angus in arid rangeland. J. Holloway*1, B. Warrington1, D. Forrest2, R. Randel3, and C. Long3, 1Texas Agricultural Experiment Station, 2Texas A&M University, 3Texas Agricultural Experiment Station.

Evaluation of the F1 crosses of the Tuli, Boran, and Brahman with Hereford and Angus for birth, growth, carcass, cow productivity and longevity characteristics. J. Sanders*1, S. Cunningham1, A. Ducoing2, A. Herring1, and D. Lunt1, 1Texas Agricultural Experiment Station, 2Universidad Nacional Autonoma de Mexico.
ANIMAL SCIENCE

Ruminant Animal Production
Room: Ouachita
Tuesday 9:00–noon
Chair: Mike Brown, West Texas A&M University, Canyon, TX

121 9:00
Relationship of prepartum concentrations of insulin-like growth factor-I (IGF-I) in cows with birth weight, concentrations of IGF-I, and weaning weights of calves. R. Flores*1, M. L. Looper2, K. P. Coffey1, W. K. Coblentz1, and C. F. Rosenkrans, Jr.1, 1University of Arkansas, 2USDA-ARS, Dale Bumpers Small Farms Research Center.

122 9:15
Effects of cool season annuals with legumes on wintering beef cows. J. D. Shockey*2, W. A. Whitworth1, T. G. Montgomery1, and S. A. Gunter2, 1University of Arkansas SEREC, Moticello, 2University of Arkansas SWREC, Hope.

123 9:30
Perennial versus annual grasses as a supplement to gestating beef cows. S Hutchison*, S. A. Gunter, P. A. Beck, C. B. Stewart, J. D. Shockey, and J. M. Phillips, Southwest Research & Extension Center, University of Arkansas, Hope.

124 9:45
Effects of beef cow parity on responses to early calf weaning. S. Galindo-Gonzalez*1,2, J. D. Arthington1,2, and A. De Vries2, 1University of Florida, Range Cattle Research and Education Center, 2University of Florida, Department of Animal Sciences.

125 10:00

126 10:15

127 10:30
The effects of energy supplementation and metaphylaxis on the performance of newly received cattle. S. A. Gunter*, P. A. Beck1, and D. S. Hubbell, III2, 1University of Arkansas, Southwest Research & Extension Center, Hope, 2Livestock & Forestry Branch Station (LFBS), Batesville.

128 10:45
Effects of anthelmintic treatment on calf gains while grazing tall fescue. C. Rosenkrans, Jr.*1, M. Nihsen1, Z. Johnson1, T. Yazwinski1, D. Kreider1, K. Coffey1, W. Coblentz1, and C. West2, 1Department of Animal Science, University of Arkansas, 2Department of Crop, Soil, and Environmental Sciences, University of Arkansas.

129 11:00
Optimizing N supply for growing steers consuming forage diets supplemented with citrus pulp. J. D. Arthington*1,2 and A. T. Adesogan1, 1University of Florida, Department of Animal Sciences, 2University of Florida, Range Cattle Research and Education Center.

The effect of replacing soybean meal with *Mucuna pruriens* on the performance of sheep. S. Chikagwa-Malunga*1, A. Adesogan1, M. Huisden1, S. Kim1, N. Krueger1, D. Dean1, T. Ososanya1, K. Arriola1, and S. Phatak2, 1University of Florida, 2University of Georgia.

Effects of nitroethane administration on methane production in growing steers. E. G. Brown*1, G. E. Carstens1, L. J. Slay1, S. A. Woods1, M. J. Quinn1, J. L. McReynolds2, R. C. Anderson2, and D. J. Nisbet2, 1Texas Agricultural Experiment Station, 2USDA/ARS, Food and Feed Safety Research Unit.

**Tropically Adapted Breeds - Regional Project**

S1013-S277 III
Room: Caraway I
Tuesday 1:00–3:15
Chair: David G. Morrison, Louisiana State University, Baton Rouge, LA

Performance of tropically adapted breeds in a temperate environment: Calving, growth, reproduction and maternal traits. L. V. Cundiff*, U. S. Meat Animal Research Center, ARS, USDA.


Foraging behavior of tropically adapted breeds. D. Forbes*, Texas Agricultural Experiment Station.


Genotype x environment interactions in Brahman, Angus, and reciprocal-cross cows and their calves. M. Brown*1 and H. Brown, Jr.2, 1USDA-ARS, Grazinglands Research Laboratory, 2University of Arkansas.

3:15 Break
Varying differences between sexes in birth weight and weaning weight of calves sired by tropically adapted breeds at six diverse U.S. locations. A. D. Herring¹, S. F. Cunningham¹, L. V. Cundiff², C. C. Chase, Jr.³, J. O. Sanders¹, W. A. Phillips⁴, J. F. Baker⁵, J. W. Holloway⁶, B. G. Warrington⁶, and S. W. Coleman⁴, ¹Texas A&M University, ²USDA-ARS, ³USDA-ARS, ⁴USDA-ARS, ⁵University of Georgia, ⁶Texas Agricultural Experiment Station.

Genetic (co)variances for growth, carcass, and tenderness traits of Brahman steers. T. Smith*¹, J. Domingue¹, T. Bidner¹, J. Paschal², G. Whipple³, and D. Franke¹, ¹LSU Agricultural Center, ²Texas A&M University, ³University of Nebraska.

Evaluation of heterosis retention for cow productivity traits in Bos indicus/Bos taurus crosses. J. Sanders*¹, K. Key¹, D. Riley², and D. Lunt¹, ¹Texas Agricultural Experiment Station, ²United States Department of Agriculture, Agricultural Research Service, Subtropical Agricultural Research Station.

Direct and maternal breed additive and nonadditive genetic effects for reproductive, growth, and carcass traits in Brahman crossbred cattle. D. Franke*¹, S. Derouen¹, and A. Williams², ¹LSU Agricultural Center, ²The Jacob Alliance.

Carcass and meat characteristics of Bonsmara-influenced cattle. R. K. Miller*¹, S. M. Falkenberg¹, B. G. Warrington², G. W. Chapman³, G. E. Carstens¹, and J. W. Holloway², ¹Texas A&M University, Department of Animal Science, ²Texas A&M Research Center, Uvalde, ³Chapman Ranches.


Effects of breed and carcass electrical stimulation on meat quality characteristics in goats. K. M. Gadiyaram*¹, G. Kannan¹, S. Galipalli¹, T. D. Pringle², and K. W. McMillin³, ¹Fort Valley State University, ²The University of Georgia, ³Louisiana State University AgCenter.
61 1:30
Carcass traits and meat quality of pasture-raised Katahdin crossbred lambs. D. J. Jackson*1, N. C. Whitley1, J. W. Lemaster2, and S. Schoenian2,3, 1University of Maryland Eastern Shore, 2Maryland Cooperative Extension, 3WMREC.

62 1:45
Demographic factors influencing consumer preference of chevon products. G. Kannan*1, M. C. Nelson1, T. E. Hollis1, T. D. Pringle2, and K. W. McMillin3, 1Fort Valley State University, 2The University of Georgia, 3Louisiana State University AgCenter.

63 2:00
Objective and subjective evaluations of value-added chevon and beef products. K. R. Eega*1, K. M. Gadiyaram1, G. Kannan1, V. R. Gutta1, T. D. Pringle2, and K. W. McMillin3, 1Fort Valley State University, 2The University of Georgia, 3Louisiana State University AgCenter.

64 2:15
Production of Dorper × St. Croix White and St. Croix White lambs grazing pasture during the wet season in the US Virgin Islands. R. E. Dodson*, A. J. Weis, and R. W. Godfrey, Agricultural Experiment Station, University of the Virgin Islands.

65 2:30
Effect of feeding regimens on growth, leptin, and carcass composition in meat-type goats raised in Missouri. E. Walker*1, W. Walker*1, N. Whitley2, C. Stahl3, D. Keisler3, and E. Berg3, 1Southwest Missouri State University, 2University of Maryland, Eastern Shore, 3University of Missouri.

2:45 Break

Small Ruminant Production IV
Production and Feeds
Room: Statehouse Ballroom B
Tuesday 3:00–5:00
Chair: Bob Godfrey, University of the Virgin Islands, Kingshill, St. Croix, VI

66 3:00
Nitrogen fertilizer rates on wheat pastures for goats in north Texas. D. Pawelek*1, J. P. Muir1, and B. D. Lambert1,2, 1Texas Agricultural Experiment Station, 2Tarleton State University.

67 3:15
Preference of grazing goats for cool-season annual clovers. T. H. Terrill*1, W. F. Whitehead1, B. P. Singh1, S. Gelaye1, G. Durham2, and C. S. Hoveland2, 1Fort Valley State University, 2The University of Georgia.

68 3:30
Performance by goats and sheep consuming a 65% concentrate diet subsequent to co-grazing of grass/forb pastures at different stocking rates. G. Animut*1,2, A. L. Goetsch1, G. E. Aiken3, R. Puchala1, G. Detweiler1, C. R. Krehbiel2, R. C. Merkel1, T. Sahl1, L. J. Dawson4, and Z. B. Johnson5, 1E (Kika) de la Garza American Institute for Goat Research, Langston University, 2Animal Science Department, Oklahoma State University, 3USDA ARS Dale Bumpers Small Farms Research Center, 4College of Veterinary Medicine, Oklahoma State University, 5Department of Animal Science, University of Arkansas.
Growth performance of weaned fallow deer fawns \((Dama \ dama)\) is unaffected by Cattle-Ase™ supplementation. L. Jonovich*, S. Mapel, D. Neuendorff, A. Lewis, and R. Randel, Texas Agricultural Experiment Station.

Energy utilization by lactating Alpine goats: dietary concentrate level and stage of lactation. I. Tovar-Luna1, A. L. Goetsch*1, R. Puchala1, T. Sahlu1, S. P. Hart1, and Z. B. Johnson2, 1E (Kika) de la Garza Institute for Goat Research, Langston University, 2Department of Animal Science, University of Arkansas.


Evaluating the relationship between temperament and production traits of hair sheep. V. McSween*, R. W. Godfrey, R. E. Dodson, and A. J. Weis, Agricultural Experiment Station, University of the Virgin Islands.

Production and marketing recommendations for profitable goat production in West Virginia. D. Singh-Knights* and M. Knights, West Virginia University.
BIOCHEMISTRY & BIOTECHNOLOGY
Biochemistry and Biotechnology Division
Izard Hall of The Peabody Hotel
Little Rock, Arkansas
Monday, February 7, 2005

8:55 - Introductory Remarks
Dr. Jeff Boles, President
Dr. SK Ballal, Program Chair

9:00 - “Recent developments toward flexible control of ethylene responses in plants.” E.C. Silser and V.P. Grichko, Department of Molecular and Structural Biochemistry, North Carolina State University, Raleigh, NC 27695-7622

9:45 - “Molecular characterization of sheath blight pathogen R.solani and its interaction with Oryza sativa.” Yulin Jia, Pratibha Singh, Yeshi Wamishe and Erxun Zhou, USDA-ARS DB National Rice Research Center, Stuttgart, AR 72160

10:30 - “The Subcellular Localization and Topology of 1L-myo-Inositol 1-Phosphate Synthase in Saccharomyces cerevisiae.” Erika Steele, Department of Biological Sciences, University of Alabama, Tuscaloosa, AL 35487

11:15 - “Bioactive Metabolites in Dioscoreabulbifera.” Theodore C. Fox, Tara M. Sirvent, Allyson Bradley and Jayme Lentz, Department of Biology, University of West Florida, Pensacola, FL 32514-5751

12:00 – 1:00 Lunch Break

1:00 - “Organophosphate-resistant acetylcholine-sterase in the horn fly, and development of a PCR assay for individual flies.” Kevin Temeyer, Kim Lohmeyer and Andy Chen, USDA-ARS, Kerrville, TX 78028-9184

1:45 - “Cholesterol and Phytosterols in Short-Day and Long-Day Onions” Norman E. Schmidt, Matthew Turner, Kimberly Peppers and Damaris Sheffield, Department of Chemistry, Georgia Southern University, Statesboro, GA 30460-8064

2:30 - “Improved Tecnology for Delivering Oxygen to Bioreactions in a Water Matix” Scott Osborn, Biological and Agricultural Engineering, University of Arkansas, Fayetteville, Ar 72701

3:15 - “Genistein Effects on Sheep Reproduction” Anne Grippo, Bill Humphrey, Bud Kennedy, Devon Bryant, Sam Snipes, Kayla Capps and Rene Raeven, Department of Chemistry and Physics, Arkansas State University, State University AR 72467

4:00 - “Mircoarray analysis of ozone-induced oxidative stress in Arabidopsis thaliana” Ramamurthy Mahalingam, Samir Gunjan, Niranjani Jambunathan and Patricia Ayoubi, Department of Biochemistry and Molecular Biology, Oklahoma State University, Stillwater OK 74074

4:45 - Closing Remarks
HORTICULTURAL SCIENCE

SOUTHERN REGION
AMERICAN SOCIETY
FOR
HORTICULTURAL SCIENCE
65th ANNUAL MEETING
Little Rock, Arkansas
Double Tree Hotel
February 5 - 7, 2005

SOUTHERN REGION
AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

OFFICERS

Dr. Janet C. Cole, President
Oklahoma State University
Department of Horticulture and Landscape Architecture
360 Ag Hall
Stillwater, OK 74078-6027

Dr. David Wm. Reed, President-Elect
Department of Horticultural Sciences
Texas A&M University
College Station, TX 78843-2133

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

SECTION
Education
Extension
Floriculture, Ornamentals & Turf
Fruit Crops
Posters
Postharvest/Biotech/Plant Biology
Vegetable Crops
Collegiate Branch
Graduate Students

CHAIRPERSON
Jeff Sibley, Alabama
Allen Owings, Louisiana
Patricia Knight, Mississippi
Scott NeSmith, Georgia
George Boyhan, Georgia
James Rushing, South Carolina
Elizabeth Lamb, Florida
David Creech, Texas
David Reed, Texas

COMMITTEES
Executive
Nominations
Membership

CHAIRPERSON
Georgia McEachern, Texas
Regina Bracy, Louisiana
Paul Smeal, Virginia

AWARD SELECTION
COMMITTEES
L. M. Ware Dist. Teacher Research
Henry Covington Extension
John E. Hutchinson, Young Extension Professional
Excellence in Doctoral Research & Writing Leadership & Admin.
Extension Publication Awards
Outstanding Club Award

CHAIRPERSON
Joe Eakes, Alabama
Jon Lindstrom, Arkansas
Ken Tilt, Alabama
James Boudreaux, Louisiana
Stuart Warren, North Carolina
Mel Garber, Georgia
Gerard Krewer, Georgia
Richard Harkess, Mississippi
SPECIAL EVENTS AND SESSIONS
Double Tree Hotel
Little Rock, Arkansas

SATURDAY, FEBRUARY 5, 2005

8:00 am - 6:00 pm - Registration
Paul Smeal
Double Tree Hotel - Lobby

8:00 am - 5:00 pm - National Sweet Potato Collaborators
Presiding: Arthur Villordon
Room: Double Tree - Grand Ballroom, Salon C

8:00 am - 5:00 pm - Pecan Research and Extension Forum
Presiding: Dan Chapman
Room: Double Tree - Riverside West

8:00 am - 5:00 pm - Southern Blueberry/Small Fruit Workers
Presiding: Steve Stringer
Room: Double Tree - Riverside East

9:30 am - 11:30 am - ACB Program, Share Club Activities and Refreshments
Presiding: Kris-Ann Kaiser, President
Room: Double Tree - Palisades

12:00 noon - ACB Group Lunch

1:00 pm - 5:00 pm - Horticulture Administrators
Presiding: Tim Davis
Room: Double Tree - Board Room

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: George McEachern
Room: Double Tree - Board Room

SUNDAY, FEBRUARY 6, 2005

7:00 am - 6:00 pm - Registration
Paul Smeal
Double Tree Hotel - Lobby or Foyer

8:00 am - 5:00 pm - National Sweet Potato Collaborators
Presiding: Arthur Villordon
Room: Double Tree Hotel - Grand Ballroom-Salon C

9:00 am – noon - Vigna Crop Germplasm Committee
Presiding: Richard Fery
Room: Double Tree Hotel - Palisades
8:00 am - 12 noon - Extension Section  
Presiding: Allen Owings  
Room: Double Tree Hotel - Grand Ballroom-Salon A

8:00 pm - 5:00 pm - Watermelon Research Group  
Presiding: Benny D. Bruton  
Room: Double Tree - Riverside West

8:00 am - 10:00 am - J. B. Edmond Undergraduate Student Paper Competition  
Presiding: Kris-Ann Kaiser, ACB President and Janet Cole, SR-ASHS President  
Room: Double Tree - Riverside East

10:00 pm – noon - Warren S. Barham Graduate PhD Student Paper Competition  
Presiding: David Reed  
Room: Double Tree - Riverside East

1:00 pm - 5:00 pm - Norman F. Childers Graduate MS Student Paper Competition  
Presiding: David Reed  
Room: Double Tree - Riverside East

1:00 pm - 5:00 pm - National Cowpea Improvement Association  
Presiding: Jim Taylor  
Room: Double Tree - Palisades

1:00 pm - 5:00 am - Education Section  
Presiding: Jeff Sibley  
Room: Double Tree - Grand Ballroom-Salon A

6:00 pm - 9:00 pm - Cucurbit Crop Germplasm Committee  
Presiding: Jim McCreight  
Room: Double Tree - Palisades

7:00 am - noon - J. Benton Storey Student Judging Contest Setup  
Room: Double Tree- Grand Ballroom-Salon D

1:00 pm - 3:00 pm - J. Benton Storey Undergraduate Student Horticulture Judging Contest  
Presiding: ACB Officers  
Room: Double Tree Grand Ballroom-Salon D

9:00 am - noon - Set up Posters

3:00 pm - 5:00 pm - Poster Session - Authors at Posters  
Presiding: George Boyhan  
Room: Double Tree - Grand Ballroom – Lobby

4:00-6:00 pm  
Southern Association of Agricultural Scientists General Session  
Room: Statehouse Convention Center  
Multi-State Programs in Teaching, Research and Extension

7:00 pm  
SAAS Reception - Peabody Hotel
7:00 am - 10:00 am - Registration
Paul L. Smeal
Double Tree Hotel - Lobby-Foyer

8:00 am - 10:45 am - Vegetable Crops Section
Chairperson: Elizabeth Lamb
Room: Double Tree - Grand Ballroom - Salon C

8:00 am - 10:45 am - Fruit Crops Section
Chairperson: Scott NeSmith
Room: Double Tree - Riverside East

8:00 am - 11:00 am - Floriculture, Ornamentals and Turf Section
Chairperson: Patricia Knight
Room: Double Tree - Grand Ballroom - Salon A

8:00 am - 10:00 am - Postharvest/Biotechnology/Plant Biology Section
Chairperson: James Rushing
Room: Double Tree – Edgehill

8:00 am -10:45 am - Master Gardener and Consumer Horticulture
Chairperson: Tom Wichman
Room: Double Tree - Riverside West

9:00 am - 10:30 am
ACB Business Meeting
Presiding: Kris-Ann Kaiser, ACB President
Room: Double Tree - Grand Ballroom-Salon D

11:00 am - 12:15 pm
SOUTHERN REGION ANNUAL BUSINESS MEETING & AWARD PROGRAM
Presiding: Janet C. Cole, President
Room: Double Tree - Grand Ballroom-Salon D

1:30 pm - 4 pm - Vegetable Crops Section
Chairperson: Elizabeth Lamb
Room: Double Tree - Grand Ballroom-Salon C

1:30 pm - 4:15 pm - Fruit Crops Section
Chairperson: Scott Nesmith
Room: Double Tree - Riverside East

PROGRAM
SUNDAY, FEBRUARY 6, 2005

J. B. EDMOND UNDERGRADUATE STUDENT PAPER COMPETITION

Room: Double Tree - Riverside East
Presiding: Ms. Kris-Ann Kaiser, Southern Region - ASHS ACB President and Dr. Janet Cole, Southern Region - ASHS President

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

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

2. Designing a Children's Water Garden in the South Carolina Botanical Garden as an Outdoor Learning Lab for Environmental Education. Renee Keydoszius* and M. Haque, Department of Horticulture, P&A Building, Clemson University, Clemson, SC, 29643-0375

3. Fertilizer Source Affects Substrate pH and Electrical Conductivity Drift. Whitney B. Holsted* and Todd J. Cavins, Dept. of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078

4. Identifying Amount and Types of Anthocyanins in Cowpea. Hallie Dodson*, J.B. Murphy, and T.E. Morelock, University of Arkansas, Dept. of Horticulture, Fayetteville, Arkansas 72701

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

Room: Double Tree - Riverside East
Presiding: Dr. David Reed, President-elect, Southern Region - ASHS

Abstracts must be electronically submitted as attachment to Dr. David Reed, dwreed@tamu.edu

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

1. Feeding Preference of Japanese Beetles (Popillia japonica Newman) on Birch Taxa (Betula spp.). Gu Mengmeng*, James A. Robbins, Curt R. Rom, and Jason Macfee, Plant Sciences Building 316, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (crom@uark.edu)

2. Identification of the Compounds Contributing to Antioxidant Activity in Specialty Potatoes (Solanum tuberosum L.). Lavanya Reddivari* and J.C. Miller, Jr., Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (lavanya@neo.tamu.edu)

3. Inheritance of Variegated and Purple Foliage Phenotypes in Hypericum androsaemum L. Richard T. Olsen* and Thomas G. Ranney, Department of Horticultural Science, Kilgore Hall Box 7609, NC State University, Raleigh NC 27695-7609. (rtolsen@unity.ncsu.edu)

4. Molecular Marker Analysis of a Segregating Blackberry Population. Eric T. Stafne*, John R. Clark1, and Kim S. Lewers 2, 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2USDA-ARS Fruit Lab., 10300 Baltimore Ave., BARC-West Bldg. 010A, Beltsville, MD 20705. (estafne@uark.edu)

5. Pollen Dispersion in Rabbiteye Blueberry. Patricio Brevis*, Scott NeSmith and Lynne Seymour. Horticulture Department, Griffin Campus, The University of Georgia, Griffin, GA 30223-1797. (pbrevis@uga.edu)

6. Screening Pecan Cultivars for Drought Using Physiological Diagnostic Tools. Madhulika Sagaram* and Leonardo Lombardini, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (madhulika2@yahoo.com)
HORTICULTURAL SCIENCE

7. **Short Duration Heat Preconditioning and Heat Tolerance in Ornamental Bedding Plants.** Seenivasan Natarajan 1*, Jeff S.Kuehny1, James E.Board 2, 1 J.C.Miller Hall, Horticulture Department, Louisiana State University, Baton Rouge, LA 70803, 2 Dept of Agronomy and Environmental Management, Louisiana State University, Baton Rouge, LA 70803. (snatar1@paws.lsu.edu)

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

Room: Double Tree - Riverside East
Presiding: Dr. David Reed, President-elect, Southern Region - ASHS.

Abstracts must be electronically submitted as attachment to Dr. David Reed, dwreed@tamu.edu

1:00 pm
Order of presentation will be determined by a drawing at beginning of contest.

1. **A Survey of Viruses in Nursery Stock of Blackberry Cultivars.** Mark Bray*, John R. Clark and Rose Gergerich, Dept. of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mbray@uark.edu)

2. **Anthracnose Severity on *Euonymus fortunei* Grown on Plastic or Gravel With or Without Periodic Bleach Applications.** Cheryl R. Boyer* and Janet C. Cole, Oklahoma State University, Department of Horticulture and Landscape Architecture, 360 Ag. Hall, Stillwater, OK 74078-6027. (cherylrboyer@yahoo.com)

3. **Effect of Planting Density on the Ontogeny of Three *Allium* species.** Amanda Broome* and Ellen Peffley, Dept. of Plant Sciences, Texas Tech University, Box 4169, Lubbock, TX 78409-4169. (amanda.broome@ttu.edu)

4. **Effects of Pruning Time on Light Interception and Fruit Quality in Pecan Trees.** Byron Taylor Whisnant* and Leonardo Lombardini, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (btw605@neo.tamu.edu)

5. **Impact of Media Properties on Rooting Stem Cuttings of the Endangered Species, *Clematis socialis*.** C.N. Johnson*, D.J. Eakes, L.L. Bruner and J.L. Sibley, Department of Horticulture, 101 Funchess Hall, Auburn University, AL 36849. (johnscn@auburn.edu)

6. **Optimum Storage Temperatures of Edible Daylilies (*Hemerocallis spp.*.) used in Food Service.** Ashley N. Pollard*, Patti Coggins, Patricia Knight, Christine Coker, and Glenn Fain. Dept. of Food Science, Nutrition and Health Promotion, Mississippi State Univ., Mississippi State, MS 39762. (ashleynpollard@yahoo.com)

7. **Phenolic Content and Antioxidant Activity in Different Pecan Cultivars.** Jose Emilio Villarreal*, Leonardo Lombardini and Luis Cisneros-Zevallos, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133 (jemilio@neo.tamu.edu)

8. **Potential Alternate Methods of Bloom Thinning for Apple.** Vikramjit Bajwa* and Curt R. Rom, Department of Horticulture, University of Arkansas, Plant Sciences Building 316, Fayetteville, AR 72701. (crom@uark.edu)

9. **The Effects of Storage and Ionizing Irradiation on Antioxidant Activity, Phenolics, and Carotenoids in Potato (*Solanum tuberosum* L.).** Tyann Blessington*, D.C. Scheuring, and J.C. Miller, Jr., Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843-2133. (tyann-blessington@neo.tamu.edu)
10. Watermelon Pollenizers Characterized by Plant Growth Habit and Pollen Production. Peter Dittmar*, Jonathan Schultheis and David Monks, North Carolina State Univ., Dept. of Horticultural Science, Box 7609, Raleigh, NC 27695. (pjditmma@ncsu.edu)

EXTENSION SECTION
Room: Double Tree - Grand Ballroom - Salon A
Presiding: Allen Owings

Abstracts must be submitted electronically as an attachment to Allen Owings, aowings@agctr.lsu.edu

8:00 am
Managing a Regional USDA-Funded Food Safety Program. Dennis J. Osborne *, Douglas C. Sanders, Donn R. Ward and James W. Rushing, North Carolina State University, Department of Horticulture, P. O Box 7609, Raleigh, NC 27695 and Clemson University, Coastal Research and Education Center, 2865 Savannah Highway, Charleston, SC 29414. (doug_sanders@ncsu.edu)

8:20 am
Distance Education for Graduate and In-Service Training for Agents. Douglas C. Sanders* and Dennis J. Osborne, North Carolina State University, Department of Horticulture, P. O Box 7609, Raleigh, NC 27695. (doug_sanders@ncsu.edu)

8:40 am
The Southeastern Vegetable Crops Guidelines and SEVEW Meeting. Joe Kemble*, Terry Kelly, Gerald Holmes and Douglas C. Sanders, Auburn University, Department of Horticulture, Funchess Hall, Auburn, AL 36849, University of Georgia, Rural Development Center, P. O. Box 1209, Tifton, GA 31793, and North Carolina State University, Department of Horticulture, P. O Box 7609, Raleigh, NC 27695. (jkemble@acesag.auburn.edu)

9:00 am
Arkansas Green Industry Spring Tune-up Workshop: Focused Training for the Retail Sector. James Robbins*, University of Arkansas, 2301 S. University Avenue, Little Rock, AR 72204. (jrobbins@uaex.edu)

9:20 am

9:40 am - Break

10:00 am
Developing Pesticide Certification Training for Hispanics Working in the Green Industries. Cesar Asuaje* and Joe Garafalo, University of Florida, Cooperative Extension Service, Palm Beach County, West Palm Beach, FL and University of Florida, Cooperative Extension Service, Miami-Dade County, Homestead, FL 33030. (casuaje@co.palm-beach.fl.us)

10:20 am
Hands-on Techniques to Reinforce Reading Pesticide Labels Thoroughly. Mary Lamberts* and Adrian Hunsberger, University of Florida, Cooperative Extension Service, Miami-Dade County, Homestead, FL 33030. (lamberts@ifas.ufl.edu)

10:40 am
Horticulture in a Can. Kathryn Karsh* and Ed Bush, LSU AgCenter, Department of Horticulture, 128 J. C. Miller Hall, Baton Rouge, LA 70803. (kkarsh1@lsu.edu)
HORTICULTURAL SCIENCE

EDUCATION SECTION
Room: Double Tree - Grand Ballroom - Salon A
Presiding: Jeff Sibley

Abstracts must be electronically submitted as attachment to Dr. Jeff Sibley, jsibley@acesag.auburn.edu

1:00 pm
Five-Year Assessment of a Mandatory Internship Program
Brian A. Kahn, Dept. of Horticulture and Landscape Architecture, 360 Agricultural Hall, Oklahoma State University, Stillwater, OK 74078-6027: (brian.kahn@okstate.edu)

1:15 pm
Ethnobotany Education and Outreach through Experiential Learning. Mary Haque, Kelly Johnstone, Meghan Baker, Cindy Roper, Carri Carver Wallace, Michael Whitmire, Stephanie Zabel, James Arnold, Lisa Chancellor, Amy Craddock, Brad Jordan, Renee Keydoszius, and Lisa Wagner, Clemson University, Department of Horticulture, 167 P&A Building, Clemson University, Clemson, SC, 29634-0375. (mhaque@clemson.edu)

1:30 pm
Assessing the Need for a Sustainable and Organic Horticulture Curriculum. Curt R. Rom, Heather Friedrich, and K. Harper, Department of Horticulture, University of Arkansas, Plant Sciences Building 316, Fayetteville, AR 72701 Email: crom@uark.edu

1:45 pm
Multiinstitutional Approach to High School Education in Floriculture –Concepts, Paul A. Thomas and Bodie V. Pennisi, Dept. of Horticulture, The University of Georgia, Athens, GA 30602. bpennisi@uga.edu

2:00 pm
Multiinstitutional Approach to High School Education in Floriculture --Programs and Program Evaluation. Bodie V. Pennisi and Paul A. Thomas, Dept. of Horticulture, The University of Georgia, Athens, GA 30602. bpennisi@uga.edu

2:15 pm
Development of On-line Horticulture Degree Programs at Texas Tech University. Cynthia McKenney(1,2) and Ellen Peffley(1) , 1. Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409. (c-mckenney@tamu.edu). 2. Department of Horticulture Sciences, Texas A&M University, College Station, TX 77843

3:00 pm
Comparison of Baccalaureate Students with Dual Enrolled High School Students in an On-Line Introductory Horticulture Course. Crystal Smith*, Igino Teolis, Cynthia McKenney and Ellen Peffley, Texas Tech University, Lubbock, TX 79409.(clsmith@dallas.tamu.edu)

3:15 pm
International Opportunities for Auburn Horticulture Students. Jeff L. Sibley, J. David Williams, and Luther Waters, Auburn University, Auburn, AL 36849. jsibley@acesag.auburn.edu

POSTERS
Room: Double Tree - Grand Ballroom Lobby
Presiding: George Boyhan
Authors Set up Posters: 9:00 am to noon
Authors at Posters: 4:00 pm to 6:00 pm
Posters should be in place by noon Sunday and remain until noon Monday, following the Business Meeting.

Abstracts must be electronically submitted as attachment to Dr. George Boyhan, gboyhan@uga.edu

*Note: * indicates an entry in the undergraduate student poster competition  
** indicates an entry in the graduate student poster competition

1. **Successful Interspecific Hybridization between Kalmia angustifolium and Kalmia latifolia.** James R. Ballington, N. C. State University, Raleigh, NC  
   (jim.ballington@ncsu.edu)

2. **The First Flowering Event of a Corpse Flower, Amorphophallus titanum, in Texas.** David Creech and Dawn Stover. SFA Mast Arboretum, PO Box 13000, Stephen F. Austin State University, Nacogdoches, TX 75962. (dcreech@sfasu.edu)

3. **Scarification Period and Genotype Effects on Blackberry Seed Germination.** Stanta Cotner, John R. Clark, and Eric Stafne. Department of Horticulture Plant Science 316 University of Arkansas Fayetteville, AR 72701. (jrclark@uark.edu)

4. **Defoliation of Blackberry and Blueberry Genotypes Caused by Japanese Beetle (Popillia japonica).** Eric T. Stafne and John R. Clark 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701 *Presenting author email: (estafne@uark.edu)

5. **Analytical Evaluation of Strawberries from Field and Greenhouse Production Environments.** Fumiomi Takeda 1, Gene E. Lester 2, Craig Chandler 3, Penny Perkins-Veazie 4 and Ronald Prior 5. 1USDA-ARS, Appalachian Fruit Research Station, Kearneysville, WV 25430. 2USDA-ARS, Sub-Tropical Agricultural Research Center, Weslaco, TX 78596. 3Gulf Coast R&E Center, University of Florida, Dover, FL 33527. USDA-JARS, kSouth Central Agricultural Research Laboratory, Lane, OK 74555. 5USDA-ARS, Arkansas Children's Nutrition Center, Little Rock, AR 72202, (FTakeda@afrs.ars.usda.gov)

6. **Gas exchange and Growth of Two Field-grown Maple Tree Species in Response to Three Reference Evapotranspiration Based Irrigation Regimes.** Thayne Montague and Lindsey Fox, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122. (thayne.montague@ttu.edu)

7. **Growth of Annual Bedding Plant Species in a Ground Processed Rice Hull Product.** Heather Quinney and Michael R. Evans. Department of Horticulture, University of Arkansas 72701. (mrevans@uark.edu)

8. **Fungicidal Properties of a Garlic Extract in a Sphagnum Peat-based Growing Substrate.** Ramsey Sealy and Michael R. Evans. Department of Horticulture, University of Arkansas, Fayetteville, AR. Craig Rothrock Department of Plant Pathology, University of Arkansas, Fayetteville AR 72701. (mrevans@uark.edu)

9. **Efficacy of Biological Amendments on Post-transplant Root Rot of Bedding Plant Species.** Ramsey Sealy and Michael R. Evans Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (mrevans@uark.edu)
10. Residual Weed Control with Fall Application of Chateau in Apple and Peach. Joseph G. Masabni, Dwight E. Wolfe. Joseph Masabni. UKREC, P.O.Box 469, Princeton, KY 42445. (jmasabni@uky.edu)

11. All America Daylilies: Landscape Performance and Rust Observations in 2003 and 2004. Allen Owings, Anthony Witcher, Gordon Holcomb and Allen Broyles. LSU AgCenter, Department of Horticulture, 155 J. C. Miller Hall, Baton Rouge, LA 70803. (aowings@agctr.lsu.edu)

12. Sorbic Acid and Garlic Products. Foong Ming Koh and Paul W. Wilson. Horticulture Department, Louisiana State University AgCenter, Horticulture Department, Louisiana State University, Baton Rouge, LA 70803-2120. (pwwilson@lsu.edu)

13. Fermentation of Jalapeño Pepper Mash. Paul W. Wilson and Gloria B. McClure. Horticulture Department, Louisiana State University, Baton Rouge, LA 70803-2120. (pwwilson@lsu.edu)

14. Performance of Roses under Minimal Input Conditions in North Central Texas. W. A. Mackay, C. McKenney, P. Colbaugh, S.W. George, J.J. Sloan, and R. Cabrera. Texas A&M, Dallas 17360 Coit Rd. Dallas, TX 5252-6599 (w-mackay@tamu.edu)

15. Ornamental Pumpkin Production in Mississippi. Christine Coker, Mike Ely, and Thomas Freeman. Mississippi State University, Coastal Research and Extension Center, Beaumont Horticultural Unit, 478 Hwy. 15 N, Beaumont, MS 39423 (coker@ra.msstate.edu)

16. Heat Tolerance Traits of Salvia splendens. Seenivasan Natarajan. #137 J.C.Miller Hall. Horticulture Department, Louisiana State University, Baton Rouge, LA 70803. (snatar1@lsu.edu)

17. New Molecular Markers in Hydrangea and Their Usefulness in Evaluating Diversity, Verifying Hybrids, and Uncovering Genes. Tim Rinehart, USDA, ARS, Southern Horticultural Laboratory, Poplarville, MS 39470. Sandy Reed. USDA, National Arboretum, Nursery Crop Research Station, McMinnville, TN 37110. (trinehart@msa-stoneville.ars.usda.gov)

18. Assessment of Phenolic Acid Quantitation Methodologies for Sweetpotatoes. M.S. Padda and D.H. Picha. Department of Horticulture, LSU AgCenter, Baton Rouge, LA 70803. (dpicha1@lsu.edu)


20. Defoliation of Woody Cut Stems with Pre-harvest, Less Toxic Chemical and Postharvest Environmental Methods. Lane Greer, Ph.D. Assistant Professor, Horticulture. Plant & Soil Sciences. Mississippi State University, Box 9555, Mississippi State, MS 39762. 662-325-4557. (lgreer@pss.msstate.edu)

21. Efficacy of Flurprimidol (Topflor) on Warm-season Bedding Plants. 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)

22. Effect of Storage Conditions and Genotype on Shelf Life of Fresh Cowpea. J.D. Butcher, T.E. Morelock. Department of Horticulture, University of Arkansas, Fayetteville 72701. (dbradfo@uark.edu)
23. Fruiting Cycles of Two Fig, *Ficus carica* Cultivars over a Four Year Period, Charles E Johnson and Alfred F Trappey. LSU AgCenter Department of Horticulture and Department of Food Science. Baton Rouge, La 70803. (cejohnson@agctr.lsu.edu)

24. Horticultural Characteristics of Ninety Different Mayhaw, *Crataegus opaca* Clones From a Thirty Six year old Native Population Alfred F Trappey and Charles E Johnson. LSU AgCenter Department of Food Science and Department of Horticulture. Baton Rouge, La 70803. (cejohnson@agctr.lsu.edu)


29. Incorporating Creative Learning into Horticulture Classes. Mary Haque and Heather Whitmire. Department of Horticulture.167 P&A Building, Clemson University. Clemson, SC, 29634-0375. (mhaque@clemson.edu)


31. Lycopene and Total Phenol Content of Autumn Olive (*Elaeagnus umbellata* ) Selections. P. Perkins-Veazie, B. Black, I. Fordham. USDA-ARS, SCARL, Lane, OK and USDA-ARS, Beltsville, MD. (pperkins-usda@lane-ag.org)

32. A Marketing Feasibility Study of Incorporating Worm Castings to a Substrate Mix for Home Gardening. Kris-Ann Kaiser* and Dr. Pat Williams. Murray State University. 97 Harvard Lane. Murray, KY 42071 (kris-ann.kaiser@murraystate.edu)

33. Criterion Development for Delivering Web-based Plant Identification Courses at Murray State University. Jason Horne* and Dr. Pat Williams. Murray State University. 1604 B Campbell Street. Murray, KY 42071. (jbhome@hotmail.com)

34. A Comparison of Retail Available Growing Mixes for Residential Bedding Plant Production. Anne Rothenburger* and Dr. Pat Williams. Murray State University. 710 B Bagwell Court. Murray, KY 42071. (anne.rothenburger@murraystate.edu)

35. The effects of different fertilizer applications on *Acer freemanii* ‘Autumn Blaze’ and *Acer rubrum* ‘Red Sunset’ for pot-in-pot nursery production. Kathryn Wimberley** and Dr. Pat Williams. Murray State University. 126 Dogwood Hills Drive. Paris, TN 38242. (kathryn.wimberley@murraystate.edu)

37. Alternative Weed Control for Winter Squash. Charles L. Webber III and James W. Shrefler. USDA, ARS, SCARL, P.O. Box 159, Lane, OK 74555. (cwebber-usda@lane-ag.org)

38. Corn Gluten Meal Applications for Weed Control. James W. Shrefler, Charles L. Webber III, Otis L. Faulkenberry III. USDA, ARS, SCARL, P.O. Box 159, Lane, OK 74555. (cwebber-usda@lane-ag.org)

39. The 300-Entry Vegetable Trial: A Home Gardeners Delight. W.B. Evans, K.L. Paridon. P.M. Hudson, and D. Williams. Mississippi State University Truck Crops Branch Experiment Station. 2024 Experiment Station Rd., P.O. Box 231, Crystal Springs, MS 39059-0231. wbe@ra.msstate.edu

40. Tomato Yield and Spotted Wilt Virus Incidence Among Cultivars in a Mississippi Trial. W.B. Evans*, D. M. Ingram. C. Waldrup, B. Layton, A. Milling, T. Bishop, and V. Lee. Mississippi State University Truck Crops Branch Experiment Station. 2024 Experiment Station Rd., P.O. Box 231, Crystal Springs, MS 39059-0231. (wbe@ra.msstate.edu)

41. Evaluating the Salinity Tolerance of Crape Myrtle (Lagerstroemia spp.). Raul I. Cabrera. Texas A&M REC, 17360 Coit Road, Dallas, Texas 75252. (r-cabrera@tamu.edu)

42. Preliminary Findings On Producing Organic Vidalia Onions. George E. Boyhan, Raymond Hicks, C. Randell Hill. University of Georgia, Department of Horticulture, East Georgia Extension Center, PO Box 8112, GSU, Statesboro, GA 30460. (gboyhan@uga.edu)

43. Direct Seeding Vidalia Onions. George E. Boyhan, Juan Carlos Diaz-Perez, Reid L. Torrance, Ronald H. Blackley Jr., C. Randell Hill. University of Georgia, Department of Horticulture, East Georgia Extension Center, PO Box 8112, GSU, Statesboro, GA 30460. (gboyhan@uga.edu)

44. Evaluation of Fertility Practices for Vidalia Onions. George E. Boyhan, Reid L. Torrance, Ronald H. Blackley Jr., M. Jefferson Cook, C. Randell Hill. University of Georgia, Department of Horticulture, East Georgia Extension Center, PO Box 8112, GSU, Statesboro, GA 30460. (gboyhan@uga.edu)

45. Screening of New Herbicides for Weed Control in Three Chenopod Crops. L. Brandenberger, L.K. Wells, and B. Bostian. Oklahoma State University. 360 Ag Hall, Stillwater, OK 74078-6027. (lynn.brandenberger@okstate.edu)

46. 'Vernon': A New Rabbiteye Blueberry Cultivar. D. Scott NeSmith, Univ. of Georgia, Dept. of Hort., Griffin, GA 30223. Arlen Draper and James M. Spiers, USDA-ARS, Southern Horticultural. Laboratory, Poplarville, MS 39470. (snesmith@griffin.uga.edu)

47. Downy and Powdery Mildew Management for Winter Squash. A. H. Beany1, K. Pernezny2, P. J. Stoffella1, N. Havranek2, and J. Sanchez2.1 University of Florida, IFAS, Indian River Research and Education Center, 2199 South Rock Road, Fort Pierce, FL 34945-3138, USA. 2 University of Florida, IFAS, Everglades Research and Education Center, 3200 East Palm Beach Road, Belle Glade, FL 33430-4702, USA.
Abstracts must be electronically submitted as an attachment to Dr. Elizabeth Lamb at emlamb@ifas.ufl.edu

8:00 am
Evaluation of Slow Release Fertilizer Materials on Selected Vegetables. William Terry Kelley*, University of Georgia, Department of Horticulture, P.O. Box 1209, Tifton, GA 31793. (wtkelley@uga.edu)

8:15 am
Effects of Colored Mulches On Small (B Size) Irish Potatoes(2nd year). Dr. Richard L. Hassell*, Coastal Research & Education Center, Clemson University, 2700 Savannah Highway, Charleston, South Carolina 29414. (rhassel@clemson.edu)

8:30 am
Using Cover Crops to Improve Vegetable Production in South Florida. Teresa Olczyk*, University of Florida/IFAS, Miami Dade Cooperative Extension Service, 18710 SW 288th St, Homestead, FL 33030, Yuncong Li, Waldemar Klassen and Qingren Wang, University of Florida IFAS, Tropical Research and Education Center, 18905 SW 280 St, Homestead, FL 33031. (twol@ifas.ufl.edu)

8:45 am
Safety and Efficacy of Broiler Litter in Mississippi Vegetable Production. W.B. Evans*, Y. Vizzier-Thaxton, P.M. Hudson, and K.L. Paridon. Mississippi State University Truck Crops Branch Experiment Station. 2024 Experiment Station Rd., P.O. Box 231, Crystal Springs, MS 39059. (wbe@ra.msstate.edu)

9:00 am
Organic Tomato Production in Oklahoma. Warren Roberts*, Jonathan Edelson, Benny Bruton, Jim Shrefler, and Merritt Taylor, Lane Agricultural Center, Oklahoma State University, P.O. Box 128, Lane, OK, 74555. (wroberts@lane-ag.org)

9:15 am – 9:30 am - Break

9:30 am
Performance of Sandea in Vegetable Crops in Kentucky. Joseph G. Masabni*, UK Research and Education Center, 1205 Hopkinsville Street, Princeton, KY 42445. (JMasabni@uky.edu)

9:45 am
IR4 Supported Pest Control Product Research Plans in the Southern Region for Year 2005. Charles Meister*, Food and Environmental Toxicology Lab, University of Florida/IFAS, P.O. Box 110720, Gainesville, FL 32611. (cmeister@ifas.ufl.edu)

10:00 am
Fungicide Application Frequencies for Potato Late Blight (Phytophthora infestans) Management in the Dominican Republic. Bielinski M. Santos*, and James P. Gilreath, Gulf Coast Research and Education Center, University of Florida/IFAS, 5007 60th St. E., Bradenton, FL 34203, Persio R. Rodríguez, Roots and Tubers Research Program, Dominican Institute for Agricultural and Forestry Research, Dominican Republic. (bmsantos@ifas.ufl.edu)
10:15 am
Efficacy of Drip-delivered Herbicides for Weed Control in Tomato in Puerto Rico. Bielinski M. Santos* and James P. Gilreath, Gulf Coast Research and Education Center, University of Florida/IFAS, 5007 60th St. E., Bradenton, FL 34203, María de L. Lugo and Luis E. Rivera, Crop Protection Department, University of Puerto Rico at Mayaguez, Puerto Rico. (bmsantos@ifas.ufl.edu)

10:30 am
Reducing Methyl Bromide Rates with Virtually Impermeable Films for Soilborne Pest Control in Bell Pepper. Bielinski M. Santos, James P. Gilreath and Timothy N. Motis. Gulf Coast Research and Education Center, University of Florida/IFAS, 5007 60th St. E., Bradenton, FL 34203. (bmsantos@ifas.ufl.edu)

10:45 am
Adjoin for Southern Region – ASHS Business Meeting

1:30 pm
Pumpkin Cultivar Evaluation. Craig R. Andersen* and Danielle R. Williams, Department of Horticulture, University of Arkansas, 316 Plant Science, Fayetteville, AR 72701. (crander@uark.edu)

1:45 pm
Tomato Cultivar Evaluation in Arkansas. D.R. Williams*, C.R. Andersen, S.E. Eaton, L.W. Martin University of Arkansas Department of Horticulture, 316 Plant Science, Fayetteville, AR 72701. (dbradfo@uark.edu)

2:00 pm
Results of the Southern Pea Coop Trials in Oklahoma. L. Brandenberger*, L.K. Wells, J. Sanchez, B. Bostian, Oklahoma State University, Horticulture and Landscape Architecture Department, 360 AGH, Stillwater, OK 74078. (lynn.brandenberger@okstate.edu)

2:15 pm
Melon Pest Manager - Challenges of a New Information Resource. Jim Shrefler*, WWAREC, Oklahoma State University, PO Box 128, Lane, OK 74555. (jshrefler-okstate@lane-ag.org)

2:30 pm
Field Evidence for a New Race of Powdery Mildew on Melon. James D. McCreight*, U.S. Agricultural Research Station, U.S. Department of Agriculture, Agricultural Research Service, 1636 E. Alisal St., Salinas, California 93905, Michael D. Coffey, University of California, Department of Plant Pathology, 3206 Webber Hall, Riverside, CA 92521, Thomas A. Turini, University of California Cooperative Extension, Imperial County, 1050 E. Holton Rd., Holtville, CA 92250, Michael E. Matheron, University of Arizona, Cooperative Extension, Yuma Agricultural Center, 6425 W. 8th St., Yuma, AZ 85364. (mccreight@pw.ars.usda.gov)

2:45 pm – 3:00 pm - Break

3:00 pm
The Effect of In-Row Transplant Spacing on Sprite Melon Yield and Sizes. W.R. Jester* and Brad Taylor, Department of Horticulture Science, North Carolina State University, Cunningham Research Station, 202 Cunningham Road, Kinston, NC 28501. (bill_jester@ncsu.edu)
3:15 pm
Tomato Nutrient Absorption and Nutsedge Management with Propylene Oxide.
Bielinski M. Santos*, and James P. Gilreath, Gulf Coast Research and Education Center, University of Florida/IFAS, 5007 60th St. E., Bradenton, FL 34203. (bmsantos@ifas.ufl.edu)

3:30 pm
Effects of Time of Emergence on Purple and Yellow Nutsedge Area of Interference in Bell Pepper. Bielinski M. Santos*, James P. Gilreath, Camille Esmel, and Myriam Siham, Gulf Coast Research and Education Center, University of Florida/IFAS, 5007 60th St. E., Bradenton, FL 34203. (bmsantos@ifas.ufl.edu)

3:45 pm
Differential Nutsedge Penetration Through Mulch Films. Bielinski M.Santos*, and James P. Gilreath, Gulf Coast Research and Education Center, University of Florida/IFAS, 5007 60th St. E., Bradenton, FL 34203. (bmsantos@ifas.ufl.edu)

FRUIT CROPS SECTION
Room: Double Tree - Riverside East
Presiding: Scott NeSmith
Fruit Crops Section Chair

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

8:20 am
Regionalization and Fruit Crops in the Southern Region: Introduction. D. Scott NeSmith, University of Georgia, Dept. of Horticulture, Griffin, GA 30223. (snesmith@griffin.uga.edu)

8:30 am
Regionalization: Pros and Cons from an Administrative Perspective. Doug A. Bailey, University of Georgia, Dept. of Horticulture, Athens, GA 30602. (dabailey@uga.edu)

8:50 am
Regionalization: Pros and Cons from a Regional Faculty’s Perspective. David W. Lockwood, University of Tennessee, Dept. of Plant Sciences, Knoxville, TN 37996. (dlockwood@utk.edu)

9:10 am
Regionalization: Pros and Cons from an Extension Agent’s Perspective. Robert Boozer, Auburn University, Chilton Research & Extension Center, Clanton, AL 35045. (rboozer@acesag.auburn.edu)

9:30 am - BREAK

9:45 am
Regionalization: USDA-ARS Southern Horticultural Laboratory. James M. Spiers, USDA-ARS, Southern Horticultural Laboratory, Poplarville, MS 39470. (jspiers@ars.usda.gov)

10:05 am
Regionalization: The Southern Region Small Fruit Consortium. Tom Monaco, North Carolina State University, The Southern Region Small Fruit Consortium, Raleigh, NC 27695. (Tom_Monaco@ncsu.edu)
10:25 am
Regionalization: Discussion and wrap-up.

11:00 am
Southern Region ASHS Business Meeting and Awards Program

1:30 pm
**Organic Blueberry Experiments and Observations in Georgia.** Gerard Krewer*, Danny Stanaland, Oscar Liburd, D. Scott NeSmith, Rupert Hepp, and Ben Mullinix, University of Georgia, Dept. of Horticulture, Tifton, GA 31793. (gkrewer@uga.edu)

1:45 pm
**Stigmatic Receptivity and Pollen Tube Growth in Rabbiteye Blueberry.** Patricio Brevis*, D. Scott NeSmith, and Hazel Wetzstein, University of Georgia, Dept. of Horticulture, Griffin, GA 30223. (pbrevis@uga.edu)

2:00 pm
**Status of Blueberry Production in China.** Dave Creech*, He Shanan, and Yu Hong, Stephen F. Austin State University, Dept. of Agriculture, Nacogdoches, TX 75962. (dcreech@sfasu.edu)

2:15 pm
**Pollen Dispersion in Rabbiteye Blueberry.** Patricio Brevis*, D. Scott NeSmith, and Lynne Seymour, University of Georgia, Dept. of Horticulture, Griffin, GA 30223. (pbrevis@uga.edu)

2:30 pm
**Evaluation and Breeding Day-neutral Strawberries for the Southeastern U.S.** James R. Ballington*, North Carolina State University, Horticultural Science Dept., Raleigh, NC 27695. (Jim_Ballington@ncsu.edu)

2:45 pm   BREAK

3:00 pm
**Potential Alternate Methods of Bloom Thinning for Apple.** Vikramjit Bajwa*, and Curt R. Rom, University of Arkansas, Dept. of Horticulture, Fayetteville, AR 72701. (crom@uark.edu)

3:15 pm
**Apple Cultivars for the Southern U.S.** Curt R. Rom* and Jason McAfee. University of Arkansas, Dept. of Horticulture, Fayetteville, AR 72701. (crom@uark.edu)

3:30 pm
**‘White Rock’ and ‘White County’ Fresh Market Peaches.** John R. Clark* and James N. Moore, University of Arkansas, Dept. of Horticulture, Fayetteville, AR 72701. (jrc Clark@uark.edu)

3:45 pm
**The Southern Organic Fruit Initiative: A Regional Cooperative Project to Stimulate Value-Added Fruit Production.** Curt R. Rom*, Donn Johnson, Heather Friedrich, Jennie Popp, and Barbara Bellows, University of Arkansas, Dept. of Horticulture, Fayetteville, AR 72701. (crom@uark.edu)

4:00 pm
**Drip Irrigation Rates for Muscadines.** D. Scott NeSmith*, University of Georgia, Dept. of Horticulture, Griffin, GA 30223. (snesmith@griffin.uga.edu)
8:00 a.m.
The Effects of Combinations of Natural Photoperiods During the Winter, Night-interrupted Lighting, and End of Day Lighting on Growth and Flowering of Rudbeckia and Coreopsis. J. Raymond Kessler* and Gary J. Keever. Auburn University, Department of Horticulture, 101 Funchess Hall, Auburn University, AL 36849. (KESSLJR@auburn.edu).

8:15 a.m.
Landscape Plant Evaluation Highlights from the LSU AgCenter – 2004. Allen Owings*, Anthony Witcher, Gordon Holcomb and Allen Broyles. LSU AgCenter, Department of Horticulture, 155 J. C. Miller Hall, Baton Rouge, LA 70803. (aowings@agctr.lsu.edu).

8:30 a.m.

8:45 a.m.
Successful Approaches Providing Safety Training for Farm and Landscape Employees in South Florida. Henry Mayer, Joe Garofalo*, and Carlos Balerdi. UF/Miami-Dade Extension Service, 18710 SW 288 St., Homestead, FL 33030. (Hmayer@ifas.ufl.edu).

9:00 a.m.
Investigation of Silicon Supplements on Floral Crops. Sophia Kamenidou* and Todd J. Cavins. Dept. of Horticulture and Landscape Architecture, Stillwater, OK 74078. (todd.cavins@okstate.edu).

9:15 a.m.
Extension Program Helps City of North Miami Save Millions in Hurricane Damage. Joe Garofalo*. UF/Miami-Dade Extension Service, 18710 SW 288 St., Homestead, FL 33030. (Jgarofalo@mail.ifas.ufl.edu).

9:30 a.m.
Perennial Plug Growth using Vermicompost-amended Media. Gary R. Bachman*. Department of Agriculture, Illinois State University, Normal, IL 61790-5020. (grbachm@ilstu.edu).

9:45 a.m.
The Response of Ruellia ‘Ragin Cajun’ and Acmella to Temperature and Light Levels and Photoperiod. Allan M. Armitage*. University of Georgia, Department of Horticulture, Athens, GA 30602. (armitage@uga.edu).

10:00 a.m.
Effects of Flurprimidol and Ancymidol on Growth of Geogenanthis undatus ‘Inca’. Bodie V. Pennisi*. University of Georgia, Department of Horticulture, Athens, GA 30602. (bpennisi@uga.edu).
HORTICULTURAL SCIENCE

10:15 a.m.
Short Duration Heat Preconditioning and Heat Tolerance in Ornamental Bedding Plants. Seenivasan Natarajan*. Louisiana State University, Horticulture Department, 137 J.C. Miller Hall, Baton Rouge, LA 70803. (snatar1@paws.lsu.edu).

10:30 a.m.

10:45 a.m.
Growth and Flowering of Hybrid Crape Myrtles in South Mississippi. P.R. Knight*, J.M. Anderson, D. Lee, M. Lee, L. DeJean, and D. Murchison. Mississippi State University, Coastal Research and Extension Center, PO Box 193, Poplarville, MS 39470. (tricia@ra.msstate.edu).

POSTHARVEST/BIO TECHNOLOGY/PLANT BIOLOGY SECTION

Room: Double Tree - Edgehill
Presiding: James Rushing
Postharvest/Biotechnology/Plant Biology Chair

Abstracts must be electronically submitted as attachment to James Rushing, jrshng@clemson.edu

8:15 am
Food Safety Train the Trainer Program. Dennis J. Osborne, Douglas C. Sanders, Donn R. Ward and James W. Rushing, North Carolina State University, Department of Horticulture, P. O Box 7609, Raleigh, NC 27695 and Clemson University, Coastal Research and Education Center, 2865 Savannah Highway, Charleston, SC 29414. (doug_sanders@ncsu.edu)

8:30 am
Evaluating a Simple System for Blackberry Shelf Life. P. Perkins-Veazie,. and J. Clark. P. Perkins-Veazie, USDA-ARS, SCARL Lane,OK 74555, (pperkins-usda@lane-ag.org) and University of Arkansas, Dept. of Horticulture, Fayetteville, AR 72701. (jrclark@uark.edu)

8:45 am
Using Distance Education in a Postharvest Course. Douglas C. Sanders, Dennis J. Osborne, and L. Reyes North Carolina State University, Department of Horticulture, P. O Box 7609, Raleigh, NC 27695. (doug_sanders@ncsu.edu)

9:00 am
Modified Gas Storage to Inhibit Pathogens Inoculated on Blueberries. Silva, J. L., A. Tokitka, F.B. Matta and J.O. Garner Mississippi State University, Horticulture. Plant & Soil Sciences. Mississippi State University, Box 9555, Mississippi State, MS 39762.

9:15 am
Impact of GAP and GMP on Medicinal Plant Marketability. J. W. Rushing, R.J. Dufault, R.L. Hassell and B.M. Shepard, Clemson University, Coastal Research and Education Center, 2865 Savannah Highway, Charleston, SC 29414. (jrshng@clemson.edu)
The abstracts for the papers presented at the Southern Region - American Society for Horticultural Society annual conference in Little Rock, Arkansas, February 5-7, 2005 will be submitted electronically to the appropriate Section Chair. For the preconference groups that wish to submit abstracts, their abstracts will be submitted to their chair or coordinator.

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. Please use WordPerfect or Word as the software to submit.

The abstracts must be to Chairs or Coordinators by February 10, 2003. The Chairs will contact authors of missing abstracts to confirm if they will be submitting an abstract. The abstracts will be submitted by e-mail as an attached word processing file.

At least one author must be a Southern Region - ASHS member who has paid the conference registration fee, as our Society must pay for the publication of abstracts.

Section Chairs and Coordinators will send the abstracts, along with a copy of the program, to Sylvia DeMar, sdemar@ashs.org, at ASHS Headquarters by March 1, 2005.

Send a copy of the program and indicate the papers with abstracts received to Paul L. Smeal, SR-ASHS Secretary-Treasurer, Psmeal@vt.edu.
8:00-5:00 - Pre-conference Workshop
Phytophthora capsici Disease
Dave Thompson (Grand Ballroom Salon A)

**Sunday afternoon: February 6, 2005**

12:00-4:00 p.m.- Registration
(Grand Ballroom Lobby/Foyer)

1:05-1:15 - Welcome
Mike Benson, SDAPS President
(Grand Ballroom Salon B)

Student presentations – John Damicone, SDAPS Past-President, presiding

1:15-1:30
**Using modeled weather for predicting Sclerotinia blight of peanut.** D. L. Smith and B. B. Shew. North Carolina State University, Dept. of Plant Pathology, Raleigh, NC 27695.

1:30-1:45
**Influence of soil texture on Meloidogyne incognita induced yield suppression of cotton.** W. S. Monfort (1), T. L. Kirkpatrick (2), and A. Mauromoustakos (1). (1) Dept. of Plant Pathology, Univ. of Arkansas, Fayetteville, AR 72701; (2) SWREC, Univ. of Arkansas, Hope, AR 71801.

1:45-2:00

2:00-2:15
**Stability of response of advanced peanut breeding lines and Bolivian Bayo Grande to leaf spot diseases and tomato spotted wilt at multiple locations.** S. K. Gremillion (1), A. K. Culbreath (1), J. W. Todd (1), D. W. Gorbet (2), and R. Pitman (3). (1) Univ of Georgia, Tifton, GA; (2) Agronomy Dept., Univ of Florida, Marianna, FL; (3) USDA-ARS, Griffin, GA.

2:15-2:30
**First occurrence of Sclerotinia blight on peanut in Georgia.** J. E. Woodward (1), T. B. Brenneman (1), R. C. Kemerait (1) and J. R. Clark (2). (1) Dept. of Plant Pathology, University of Georgia, Tifton, GA 31793; (2) University of Georgia Cooperative Extension Service, Baxley, GA 31535.

2:30-2:45
**Pathogenicity of Sclerotium rolfsii on winter wheat and peanut.** V. Choppakatla (1), H. A. Melouk (2), R. M. Hunger (1), M. E. Payton (3), and K. D. Chenault (2). (1) Entomology & Plant Pathology, Oklahoma State University (OSU), Stillwater, OK 74078; (2) USDA-ARS, Stillwater, OK 74075; (3) Statistics, OSU, Stillwater, OK.

2:45-3:00 - Break
3:00-3:15  
**A laboratory method to determine soybean resistance to purple pod rot caused by *Cercospora kikuchii***. B. B. Cook and G. L. Sciumbato. Delta Research and Extension Center, Stoneville, MS 38776.

3:15-3:30  

3:30-3:45  
**Incidence of *Phomopsis longicolla* and other fungi associated with soybean seed in early soybean production system plantings in the midsouthern USA.** A. Mengistu and L. G. Heatherly. USDA-ARS, Crop Genetics & Production Research Unit, P. O. Box 345, Stoneville, MS 38776.

3:45-4:00  
**Evaluation of fungicide applications for control of frogeye leaf spot, seed quality, and yield in DP 4748S soybean.** B. Blessitt and D. Poston. Mississippi State University, Delta Research and Extension Center, Stoneville, MS 38776.

4:15-5:00  
SDAPS Executive Committee Meeting  
(Edgehill Room)

4:00-6:00  
**SAAS Opening and General Session and Symposium** (Peabody Hotel, Conway Room)

6:30–8:30  
SAAS Reception (Statehouse Convention Center, Statehouse Ballroom)

---

**Monday, February 7, 2005**

8:00-11:30 - Registration  
(Grand Ballroom Lobby/Foyer)

8:10 - Announcements - Mike Benson, SDAPS Pres. (Grand Ballroom Salon B)

Contributed papers – Boyd Padgett, presiding

8:15-8:30  
**Molecular identification of *Uncinuliella australiana* as the powdery mildew pathogen of crape myrtle (*Lagerstroemia indica*).** A. Shi, M. T Mmbaga, and S. Zhou. Tennessee State University, Otis A. Floyd Nursery Research Center, 472 Cadillac Lane, McMinnville, TN 37110.

8:30-8:45  
**Magnaporthe grisea** race shift for virulence to the major R gene Pi-ta in Arkansas. F. N. Lee (1), R. D. Cartwright (1), Y. Jia (2), and J. C. Correll (1). (1) Plant Pathology, University of Arkansas, Fayetteville, AR 72701; (2) DB NRRC, USDA-ARS-SPA, Stuttgart, AR 72160.

8:45-9:00  
9:00-9:15  
**Stripe rust: An emerging problem in Louisiana wheat.** G. B. Padgett (1), B. C. W. Garber (2), and A. M. Purvis (1). (1) Northeast Research Station, LSU AgCenter; (2) Dean Lee Research Station, LSU AgCenter.

9:15-9:30  
**Occurrence of fusiform rust in plantings of previously inoculated gall-free pine seedlings.** C. H. Walkinshaw, USDA Forest Service, Pineville, LA.

9:30-9:45  

9:45-10:00 - Break

10:00-10:15  

10:15-10:30  

10:30-10:45  
**Suppression of pink root and Botrytis neck rot of onion with fungicides.** K. W. Seebold and D. B. Langston. Dept. of Plant Pathology, University of Georgia, CPES, Tifton, GA 31793.

10:45-11:00  
**Control of Phytophthora root rot in ornamentals with cyazofamid, fenamidine and phosphite fungicides.** D. M. Benson. North Carolina State University, Dept. of Plant Pathology, Raleigh, NC 27695.

11:00-11:15  
**Relative efficacy of three injection patterns of metam sodium for control of Cylindrocladium black rot in twin-row peanut.** T. B. Brenneman. Dept. of Plant Pathology, University of Georgia, CPES, Tifton, GA 31793.

11:15-11:35  
**Special Report on Status of Soybean Rust in U.S.**

11:45-12:45  
**Graduate Student Luncheon** (Riverside West), by invitation only

1:00-4:15  
**Symposium**  
(Grand Ballroom Salon B)  
“Plant Pathology Programs: Past Achievements and Future Directions”

1:00-1:05 - **Introduction.**  
Tim Brenneman  
SDAPS President Elect

1:05-1:30 - **University of Arkansas,**  
Dr. Sung Lim
PLANT PATHOLOGY

1:30-1:55 - University of Georgia
Dr. John Sherwood

1:55-2:20 - Louisiana State University
Dr. Gerard Berggren

2:20-2:45 - North Carolina State
Dr. James Moyer

2:45-3:10 - Texas A & M
Dr. Dennis Gross

3:10-3:30 - Break

3:30-4:15 - Symposium Discussion Panel
(All speakers)

4:15-5:15 - SDAPS Business Meeting
Mike Benson, SDAPS President, presiding

6:00-9:00 - SDAPS Social (cash bar) and
Southern Division deBary Bowl
(Palisades Room)

Tuesday, February 8, 2005

NOTE -- The SDAPS meeting ends Monday night.

The Eastern Regional Conference on the Ecology of Root Infecting Microorganism’s (ERCERIM) will hold its biennial meeting on Feb. 8th beginning at 8:00 AM (Grand Ballroom Salon B). Sessions are planned on Phytophthora, soil health/reduced tillage, and nematode distribution.

After supper there will be an additional discussion time as well. The coordinator for this year’s ERCERIM meeting is Dr. John Rupe at (479) 575-2778 or jrupe@uark.edu.
Program Agenda

Sunday, February 6
Peabody Ballroom Salon A

2:00 – 5:00 PM RCAS Executive Board Meeting

Monday, February 7
Peabody Ballroom Salon A

7:00 AM Registration

8:00 AM State Roll Call

8:15 AM Welcome
Paul Sebesta, President RCAS

8:20 AM Introduction of Moderator - J. Mike Phillips, Moderator of Morning Session
Center Director, SW Research and Extension Center, University of Arkansas

8:25 AM Overview of Arkansas Agriculture
Dr. Greg Weidemann, Associate Vice President-Research and Dean of the Dale Bumpers
College of Agriculture, Food and Life Sciences

8:50 AM Overview of the Arkansas Forest and
Natural Resources Program - Dr. Dick Kluender, Director of the Arkansas Forest
Resources Center and Dean of the School of Forestry, Univ of Arkansas at Monticello

9:20 AM Water Quality Research in Forest
Watersheds - Dr. Hal Leichty, Assoc Professor, UA Monticello Sch of Forestry, Monticello

9:45 AM Break

10:00 AM - Silviculture Research in Arkansas
Forests, Dr. Eric Heitzman, Asst Professor, UA Monticello Sch of Forestry, Monticello

10:30 AM - GIS/GPS Technology in Natural
Resource Management, Dr. Bob Weih, Prof, UA Monticello Sch of Forestry, Monticello

11:00 AM - Reintroduction of Elk Into the Ozarks, Dr. Don White, Assistant Professor,
UA Monticello School of Forestry, Monticello.

12:00 - Depart from Convention Center for Tour

1:15 PM - Water Quality Research in the Ouachita National Forest, The
Weyerhaeuser Company

2:30 PM - Tour the Weyerhaeuser Plywood Mill, Mr. John Wainscott, The
Weyerhaeuser Co., Mountain Pine, AR

4:00 PM - Tour Pine Plantation Management and Commercial Logging Operation,
The Weyerhaeuser Company

6:00 PM - Arrive at Garland County Fairgrounds, Hot Springs, AR
RESEARCH CENTER ADMINISTRATORS

6:20 PM - Welcome to Garland County, Mr. Jimmy Driggers, Staff Chair, Cooperative Extension Service

6:30 PM - Dinner

7:15 PM - Program: “Butterflies, Birds, and Bees,” Mr. Randy Frazier, President, Frazier Communications

8:30 PM - Depart for Hotel

Tuesday, February 8

Peabody Ballroom Salon A
Robert Dunker, Moderator

8:00 AM - “You Can Keep the Change,” Mr. Randy Frazier, President, Frazier Communications (1.5 Continuing Education Units for Professional Development applied for: ARCPACS - A Federation of Certifying Boards in Agriculture, Biology, Earth and Environmental Sciences.)

9:30 AM - “What Should Station Superintendents Do?” Dr. Sandra Maddox, Director, Research Stations Division, North Carolina Department of Agriculture & Consumer Services; and Mr. Walker W. “Mac” McNeil, Director, University Field Labs, North Carolina State University, Raleigh, NC

10:00 AM - Break

10:20 AM - General Business Meeting

12:00 AM - Lunch

1:00 PM - “USDA APHIS Agricultural Select Agent Program,” Dr. Lee Ann Thomas, D.V.M., M.S. APHIS United States Department of Agriculture Riverdale, Maryland

1:45 PM - “Developing a Master Plan for MU’s South Farm,” John Poehlmann, Director of Field Operations, University of Missouri College of Agriculture, Food & Natural Resources Columbia, MO

2:15 PM - “Using Site Specific Soil Sampling to Evaluate Land Areas for Research,” Vaughn Skinner, Resident Director, Arkansas Agricultural Research & Extension Center, Fayetteville, AR

2:45 PM - “A Visit to an Australian AREC”
Dr. Pete Schultz, Director, Hampton Roads Agricultural Research & Extension Center, Virginia Beach, VA

3:00 PM - Break

3:15 PM - “Science at Work in Agriculture: An Innovative Method to Reach Potential Students,” Dr. R. Brent Westerman, Research Scientist & Coordinator of Research Operations Department of Plant and Soil Sciences, Oklahoma State University, Stillwater, OK

3:45 PM Closing Comments

4:00 PM Adjourn
Sunday, February 6, 2005
8:00 a.m. – 11:00 a.m.
Executive Council Meeting
Grampas

10:00 a.m. – 4:00 p.m.
Registration
Poinsett

1:00 p.m. – 2:15 p.m.
Session 1a – Panel
Chicot

A Question of Authentic Engagement: Universities and Community Groups Working the Black Belt Initiative
Facilitator:
Rosalind P. Harris, University of Kentucky
Panelists:
Ntam Baharanyi, Tuskegee University
H. Dreamal Worthen, Florida A&M University
Sokoya Finch, Florida Family Network
Veronica Womack, Georgia College and State University
Terrence Thomas, North Carolina A&T University

1:00 p.m. – 2:15 p.m.
Session 1b – Papers
Grampas

Issues in Rural Education
Chair: Douglas Constance
Sam Houston State University

Rural-Urban Differences in Social Capital Effects on Early Childhood Educational Achievement - Glenn Israel, University of Florida

Why are Rural High School Seniors Less Likely to Earn the Bachelor's Degree? The Effects of School, Family, and Student Resources - Edward Reeves, Morehead State University

Migration of Recent College Graduates: Rural Origins, Rural Destinations, and Reasons for Migrating - Ruth Heuer, Research Triangle Institute

2:30 p.m. – 3:45 p.m.
Session 2a – Panel
Chicot

The Southern SARE (Sustainable Agriculture Research Education Grants Program - Douglas H. Constance, Sam Houston State University and Jeffrey Jordan, University of Georgia - Griffin

2:30 p.m. – 3:45 p.m.
Session 2b – Papers
Grampas
Beliefs of African Americans Regarding Health Disparities in Alabama’s Black Belt: Results from Focus Group Methodology - Andrew Zekeri & Tsegaye Habtemariam, Tuskegee University

An Examination of the Affect of Rural Health Policy and the Black Belt Region of the United States - Benjamin Gray & Terrence Thomas, North Carolina A&T University and Victor Oforio-Boadu, Greensboro, NC

Accessibility of Health Care and Economic Self-Sufficiency Among Southern Low-Income Rural Families - Patricia Hyjer Dyk, University of Kentucky and Frances Lawrence, Louisiana State University Agricultural Center

4:00 p.m. – 6:00 p.m.
SAAS General Session
Conway

6:00 p.m. – 8:00 p.m.
SAAS reception
Statehouse Ballroom

Monday, February 7, 2005
8:00 a.m. – 5:00 p.m.
Registration
Poinsett

8:00 a.m. – 9:15 a.m.
Session 3a – Papers
Grampas

Poverty in the Rural South
Chair: Don E. Albrecht
Texas A&M University

Thinking It Over: Conceptualizing Poverty and Reconceptualizing Rural Poverty - Rosalind P. Harris and Julie Zimmerman, University of Kentucky

Location Specific Poverty Programs and Policies - Deborah M. Tootle, Louisiana State University

Vision of Postmodern Extension: A Catalyst for Wealth Creation in the Black Belt Region - Terrence Thomas, Benjamin Gray, Victor Ofori-Boadu, North Carolina A&T University

8:00 a.m. – 9:15 a.m.
Session 3b – Papers
Chicot

Community Issues
Chair: Glenn Israel
University of Florida

Social Capital, Linking Behavior, and Economic Development in Communities - Jeffrey L. Jordan, University of Georgia – Griffin
RURAL SOCIOLOGY

Past and Anticipated Community Involvement of Master Gardener Trainees - Chyrel A. Mayfield and Gene L. Theodori, Texas A&M University

Exploring the Interaction of Psychological Sense of Community, Community Leadership, and Social Capital within a Viable Community in Florida: A Case Study - Kristina G. Ricketts and Howard W. Ladewig, University of Florida

Measuring the Impacts of Large-Scale Swine Operations on Quality of Life in Rural Communities in Missouri: A Test of Unit Analysis - Anna M. Kleiner, Southeastern Louisiana University

9:30 a.m. – 10:45 a.m.
Session 4a – Papers
Grampas

Small Business
Chair: Gene Theodori, Texas A&M University

Examining the Profile of Small Business in the Alabama Black Belt Region - Derek L. Allen and James O. Bukenya, Alabama A&M University

Economic Impact of Agribusiness Industry in Alabama: An Employment Multiplier Analysis - Shedra C. Rakestraw, Derek L. Allen, and James O. Bukenya, Alabama A&M University

The Impact of Black Farmers’ Class Action Lawsuit on Participants’ Farming Business and Social Well-Being - Esperance Namugabo, Ntam Baharanyi, Robert Zabawa, and Andrew Zekeri, Tuskegee University

9:30 a.m. – 10:45 a.m.
Session 4b – Papers
Chicot

Small Farms and Sustainability
Chair: Robert Zabawa, Tuskegee University


What Factors Affect Diversification of Small Farm Operations? - Fisseha Tegegne, Safdar Muhammad, Enefiok Ekanem, and Sundra Singh, Tennessee State University

Identifying Public Policies that Strengthen Farming as a Livelihood Strategy - Harwood D. Schaffer and Daryll E. Ray, University of Tennessee

11:00 a.m. – 1:00 p.m.
Presidential Luncheon/Awards
Riverview

"Income, Wealth, and Equity Issues in Southern Rural Communities" - Ntam Baharanyi, SRSA President, Tuskegee University

1:30 p.m. – 2:45 p.m.
Session 5a – Papers
Grampas

Food Politics
Chair: Patricia Hyjer Dyk, University of Kentucky
The Views of Organic Food Consumers in Texas - Douglas H. Constance, Sam Houston State University

Striving at Interface: A Pilot Study on Actors’ Perspectives in Local Agri-Food Movement in Central Kentucky - Yong-ju Choi and Kiyohiko Sakamoto, University of Kentucky

Food Needs and Food Pantry Use Among the Older Population in East Alabama - Kiley Harper, Patricia A. Duffy, Joseph Molnar, and Conner Bailey, Auburn University

An Analysis of Factors Affecting the Food Security Status of Low-Income Households - Latersa Hampton, Odili Onianwa, and G. Wheelock, Alabama A&M University; and Andrew Zeker, Tuskegee University

1:30 p.m. – 2:45 p.m.
Session 5b – Panel
Chicot

Challenges and Opportunities for Rural Education
Organizers:
Glenn Israel, University of Florida
Bo Beaulieu, Southern Rural Development Center

Panelists:
Naccomar G. Williams, Walton Family Foundation
Mark Schafer, Louisiana State University
Doug Smith, Western Kentucky University
Glenn Israel, University of Florida

3:00 p.m. – 4:15 p.m.
Session 6a – Papers
Grampas

Sociological Imagination and the Study of Passionate Commitment in Agriculture - George K. Floro, Sul Ross State University

Assessing the Viability of the Inland Shrimp Farming as a Viable Enterprise in Alabama - Anthoney S. Deanes, Tuskegee University

Keeping Up the Urban Forest: Predictors of Exemplary Tree Maintenance Programs in Southern Small Towns - Bonnie Lewis, Southeastern Louisiana State University

Communicating Agricultural Biotechnology to Stakeholders: What are We Missing? - Enefiok Ekanem, Fisseha Tegegne, Safdar Muhammad, Surenda Singh, Tennessee State University,
Mary Mafuyai-Ekanem

3:00 p.m. – 4:15 p.m.
Session 6b – Panel
Chicot

Education’s Role in Promoting Economic and Social Vitality
Moderator:
Glenn Israel, University of Florida
Reactor:
Ed Reeves, Morehead State University
RURAL SOCIOLOGY

Panelists:
Bo Beaulieu, Southern Rural Development Center
Mike Woods, Oklahoma State University
Frank Beck, Illinois State University

4:30 p.m. – 5:30 p.m.
SRSA General Business Meeting

6:00 p.m.
SRSA Social Hour
TBA

Tuesday, February 8, 2005

7:00 a.m. – 8:30 a.m.
SAAS Board Mtg. Breakfast
Fulton

9:00 a.m. - 10:15 a.m.
Session 7a – Panel
Chicot

State Matching Fund Requirement at 1890 Institutions and Tuskegee University: Is it the Solution to Research and Extension Level Funding at the Land Grant HBCUs?

Moderator:
Ntam Baharanyi, Tuskegee University

Panelists:
Alfred Parks, Prairie View A&M University
Alton Thompson, North Carolina A&T University
Stephen Kolison, Tennesse State University
Jaqueline McMcray, University of Arkansas-Pine Bluff
Marvin Burns, Langston University

9:00 a.m. – 10:15 a.m.
Session 7b – Panel
Grampas

Health Insurance and Well-Being in Rural America
Chair: James W. Grimm,
Western Kentucky University

Effects of Managed Health Insurance on Physical and Emotional Well-Being in South Central Kentucky - D. Clayton Smith, Western Kentucky University; James W. Grimm, Western Kentucky University; Zachary W. Brewster, North Carolina State University

Effects of Managed Health Insurance on Physical and Emotional Well-Being in Rural Pennsylvania - Shonreh Doss, Western Kentucky University; D. Clayton Smith, Western Kentucky University; James W. Grimm, Western Kentucky University; Gene Theodori, Texas A&M University; and A.E. Luloff, The Pennsylvania State University

Health Insurance, Health Care, and Well-Being in Rural America - Jennifer Marlowe, D. Clayton Smith and James W. Grimm, Western Kentucky University

10:30 a.m. -11:30 a.m.
Poster Presentations
Poinsett
10:30 a.m. – 2:30 p.m.
Executive Council Meeting
Grampas

1:00 p.m.
SRSA Task Force on Rural Education Workshop Chicot
Organizer: Glenn Israel
2004-2005 SAAS OFFICERS
EXECUTIVE COMMITTEE

President: Dr. Jack Britt, Exec Vice Pres., Univ. of Tennessee, 101 Morgan Hall, 2621 Morgan Circle Dr., Knoxville, TN 37996; 865-97-7342; fax: 865-974-8781; jack-britt@utk.edu

Past President: Dr. John W. Kelly, Vice Pres of PSA, Clemson Univ., 130 Lehotsky Hall, Clemson, SC 29634-0101; 864-656-3015; fax: 864-656-3608; jkelly@clemson.edu

Member at Large: Dr. Dewayne Ingram, Dept of Hort., Univ. of Kentucky, N-318 Ag Sci Bldg North, Lexington, KY 40546-0091; 859-257-1758; fax: 859-257-2859; dingram@uky.edu

Secretary-Treasurer: Mark Legendre, LSU AgCenter, P.O. Box 25203, Baton Rouge, LA, 70894-5203 (225) 578-4164; fax: 225-578-4143; mlegendre@agcenter.lsu.edu

Academic Department Heads: Dr. Dewayne Ingram, Dept of Hort., Univ. of Kentucky, N-318 Ag Sci Bldg North, Lexington, KY 40546-0091; 859-257-1758; fax: 859-257-2859; dingram@uky.edu

Agriculture Communications: Dr. Ricky Telg, Univ. of Florida, 305 Rolfs Hall, Gainesville, FL 32611-0540, 352-392-0502 x224; fax: 352-392-9585; rtelg@ifas.ufl.edu

Agriculture Economics: Dr. Richard Kilmer, Food & Resource Econ, Univ. of Florida, PO Box 110240, Gainesville, FL 32611, 352-392-1881 x304; Kilmer@ufl.edu

Agricultural Education: Dr. Joe Kotrlik, Sch of Human Resource Educ. & Workforce Dev., Louisiana State Univ., Rm 142, Old Forestry Bldg., Baton Rouge, LA 70803, 225-578-5753; fax: 225-578-5755; kotrlik@lsu.edu

Animal Science: Dr. Ken Esbenshade, Col of Agric & Life Sci., North Carolina State Univ., Campus Box 7642, Raleigh, NC 27695-7642; 919-515-2614; fax: 919-515-5266; ken_ebenshade@ncsu.edu

Biochemistry: Dr. Jeffrey O. Boles, Assoc Prof of Biochemistry, Tenn Technological Univ, TTU Box 5055, Cookeville, TN 38505, Office: 931-372-3844; fax: 931-372-6257; jboles@tntech.edu

Horticulture: Janet C. Cole, Dept of Hort & Landscape Architecture, Oklahoma State Univ., 360 Ag Hall, Stillwater, OK 74078-6027, 405-744-5770; fax: 405-744-9709; jccole@okstate.edu

Plant Pathology: Dr. D. Michael Benson, Dept of Plant Pathology, North Carolina State Univ., Campus Box 7629, Raleigh, NC 27695-7629; 919-515-3966; fax: 919-515-5657; mike_benson@ncsu.edu

Research Center Administrators: Paul Sebesta, Univ. of California-Davis, 1004 E. Holton Rd., ECentro, CA 92243; 760-356-3062; fax: 760-356-3060; pgsebesta@ucdavis.edu

Rural Sociological Association: Dr. Ntam Baharanyi, Tuskegee Univ., 306 Milbank Hall, Tuskegee, AL 36088; 334-727-8484; fax: 334-727-8552; baharanyi@tuskegee.edu
2004-2005 SAAS OFFICERS
SECTION OFFICERS

Academic Dept. Heads

President: Dr. Dewayne L. Ingram, Dept. of Horticulture, Univ. of Kentucky, N-318 Agricultural Science Building North, Lexington, KY 40546-0091, Office: 859-257-1758, Fax: 859-257-2859, dingram@uky.edu

Vice President: Dr. Neil Rhodes, Dept of Plant Sciences, Univ. of Tennessee, 2431 Joe Johnson Drive, Knoxville, TN 37996-4561, Office: 865-974-7324, Fax: 865-974-1947, nrhodes@utk.edu

Secretary/Treasurer: Dr. Steve Turner, Mississippi State Univ., 103A Lloyd Ricks Building, Box 5187, Mississippi State, MS 39762, Office: 662-325-2049, Fax: 662-325-8777, turner@agecon.msstate.edu

Ag Communications

President: Dr. Ricky Telg, Univ. of Florida, 305 Rolfs Hall, Gainesville, FL 32611-0540, Office: 352-392-0502 x.224, Fax: 352-392-9585, rtelg@ifas.ufl.edu

Vice President & Program Chair: Dr. Jefferson D. Miller, Ag Communications, Univ. of Arkansas, 205 Agricultural Building, Fayetteville, AR 72701, Office: 479-575-5650, jdmiller@uark.edu

Secretary/Treasurer: Mr. Bobby Soileau, Ag Communications, LSU Agricultural Center, 127 Knapp Hall, Baton Rouge, LA 70803, Office: 225-578-5670, Fax: 225-578-4524, bsoileau@agcenter.lsu.edu

Past President: Dr. Shelly R. Sitton, Oklahoma State Univ., 435 Ag Hall, Stillwater, OK 74078-6031, Office: 405-744-3690, Fax: 405-744-5176, ssitton@okstate.edu

Ag Economics

President: Dr. Richard Kilmer, Food & Resource Economics, Univ. of Florida, P. O. Box 110240, Gainesville, FL 32611, Office: 352-392-1881 x 304, Fax: 352-392-9898, Kilmer@ufl.edu

President-Elect: Kimberly Jensen, Agricultural Economics, Univ. of Tennessee, 2621 Morgan Circle, Knoxville, TN 37996-4518, Office: 865-974-3716, Fax: 865-974-4829, kjensen@utk.edu

Secretary/Treasurer: Drs. Kenneth Paxton & Lonnie Vandeveer, Dept of Ag Econ & Agribusiness, LSU AgCenter, 101 Agric. Administration Bldg., Baton Rouge, LA 70803-5604, Office: 225-578-2266, Fax: 225-578-2716, akpaxt@lsu.edu & lvandeveer@agcenter.lsu.edu

Editor: John Penson, Jr., Dept of Ag Economics, Texas A&M Univ., 352D Blocker, College Station, TX 77843-2124, Office: 979-845-5223, Fax: 979-862-1563, JAAE@tamu.edu

Past President: Dr. Les Myers, Agric & Applied Economics, Virginia Tech Univ., 208 Hutcheson Hall, Blacksburg, VA 24061-0401, Office: 540-231-6301, Fax: 540-231-7417, myersl@vt.edu

Ag Education

President & Program Chair: Dr. Joe Kotrlik, School of Human Resource Educ. & Workforce Dev, Louisiana State Univ., Rm 142, Old Forestry Bldg., Baton Rouge, LA 70803, Office: 225-578-5753, Fax: 225-578-5755, kotrlik@lsu.edu
SECTION OFFICERS

Past President: Dr. David Coffey, Agricultural Science and Technology Education, Western Kentucky Univ., Room 269 E.S.T. Bldg., Bowling Green, KY 42101-3576, Office: 502-745-5962, Fax: 502-745-5972, david.coffey@wku.edu

Animal Science

President: Dr. Ken Esbenshade, College of Agriculture and Life Science, North Carolina State Univ., Campus Box 7642, Raleigh, NC 27695-7642, Office: 919-515-2614, Fax: 919-515-5266, ken_esbenshade@ncsu.edu

President-Elect: Dr. Ron Randel, Texas A&M Univ., P. O. Box 200, Overton, TX 75684-0200, Office: 903-834-6191, Fax: 903-834-7140, r-randel@tamu.edu

ASAS Executive Director: Dr. Jerry Baker, American Society of Animal Science, 1111 North Bunlap Avenue, Savoy, IL 61874, Office: 217-345-8050, Fax: 217-398-4119, jerry.baker@assochq.org

Secretary/Treasurer: Dr. Dale Coleman, Auburn Univ., 212 Upchurch Hall, Auburn, AL 36849-5415, Office: 334-844-1512, Fax: 334-844-1519, colemda@auburn.edu

National Coordinator: Paula Schultz, Amer Society of Animal Science, 1111 North Dunlap Ave, Savoy, IL 61874, Office: 217-356-9050 x21, Fax: 217-398-4119, paulas@assochq.org

Past President: Dr. Debra K. Aaron, Dept of Animal Sci, Univ. of Kentucky, 208 W P Garrigus Bldg, Lexington, KY 40526-0215, Office: 859-257-7553, Fax: 859-257-5318, daaron@uky.edu

Biochemistry

President: Dr. Jeffrey O. Boles, Assoc Prof of Biochemistry, Tenn Technological Univ, TTU Box 5055, Cookeville, TN 38505, Office: 931-372-3844; fax: 931-372-6257; jboles@tntech.edu

Program Chair: Dr. S. K. Ballal, Dept of Biology, Tenn Technological Univ, TTU Box 5055, Cookeville, TN 38505, Office: 931-372-3444; fax: 931-372-6257; kballal@tntech.edu

Horticulture-So. Region

President: Janet C. Cole, Dept of Hort & Landscape Architecture, Oklahoma State Univ., 360 Ag Hall, Stillwater, OK 74078-6027, Office: 405-744-5770, Fax: 405-744-9709, jcole@okstate.edu

President-Elect: David Wm. Reed, Dept of Horticultural Sciences, Texas A&M Univ., College Station, TX 78843-2133, Office: 979-845-0139, Fax: 979-845-0627, dwreed@tamu.edu

Secretary/Treasurer: Dr. Paul L. Smeal, So Region - ASHS, Virginia Tech, 1107 Kentwood Drive, Blacksburg, VA 24060-5656, Office: 540-552-4085, Fax: 540-953-0805, psmearl@vt.edu

Past President: Dr. John R. Clark, Dept. of Horticulture, Univ. of Arkansas, 316 Plant Science, Fayetteville, AR 72701, Office: 479-575-2810, Fax: 479-575-8619, jrcalrk@uark.edu

Plant Pathology

President: Dr. D. Michael Benson, Dept. of Plant Pathology, North Carolina State Univ., Campus Box 7629, Raleigh, NC 27695-7629, Office: 919-515-3966, Fax: 919-515-5657, mike_benson@ncsu.edu
SECTION OFFICERS

Vice President: Dr. Craig Rothroch, Univ. of Arkansas, AR, Office: 479-575-6687, Fax: 479-575-7601, rothrock@comp.aurk.edu

Secretary-Treasurer: Dr. Tom Isakeit, Texas A&M Univ., TX, Office: 979-862-1340, Fax: 979-845-6483, t-sakeit@tamu.edu

Councilor: Dr. Gerald Holmes, North Carolina State Univ., NC, Office: 919-515-9779, Fax: 919-515-7716, gerald_holmes@ncsu.edu

Past President: Dr. John Damicone, Entomology & Plant Pathology, Oklahoma State Univ., 127 Noble Research Center, Stillwater, OK 74078-3033, Office: 405-744-9962, Fax: 405-744-7373, jpd3898@okstate.edu

Research Center Administrators

President: Paul Sebesta, Univ. of California-Davis, 1004 E. Holton Road, ElCentro, CA 92243, Office: 760-356-3062, Fax: 760-356-3060, pgsebesta@ucdavis.edu

Vice President & Program Chair: Robert "Bob" Dunker, Crop Sci Res & Educ. Ctr, Univ. of Illinois, AW-101 Turner Hall, 1102 S Goodwin Ave, Urbana, IL 61801, Office: 217-244-5444, Fax: 217-333-8718, r-dunker@uiuc.edu

Secretary: Randall Rawls, P. O. Box 706, Winfield, AL 35594, Office: 205-487-2150, Fax: 205-487-3909, rrawls@acesag.auburn.edu

Business Manager: Denny Thompson, 74 Research Drive, Fletcher, NC 2873-7729, Office: 828-684-7197, Fax: 828-684-7503, denny.thompson@ncmail.net

Local Arrangements Chair: Mike Phillips, 362 Highway 174N, Hope, AR 71801, Office: 870-777-9702, Fax: 870-777-8441, mphilips@uaex.edu

Past President: Dr. Bill Peterson, Dept. of Management Operations, Univ. of Kentucky, N3 Agriculture Science Center North 0091, Lexington, KY 40546, Office: 859-257-2983, Fax: 859-323-1013, wopeters@uky.edu

Rural Sociology

President: Dr. Ntam Baharanyi, Tuskegee Univ., 306 Milbank Hall, Tuskegee, AL 36088, Office: 334-727-8484, Fax: 334-727-8552, baharany@tuskegee.edu

Vice President: Dr. Patricia Hyjer Dyk, Dept of Comm & Leadership Dev, Univ. of Kentucky, 500 HP Garrigus Bldg, Lexington, KY 40546-0215, Office: 859-257-3228, Fax: 859-257-1164, pdyk@uky.edu

Program Chair: Dr. Don Albrecht, Texas A&M Univ., 2125 TAMU, College Station, TX 77843-2125, Office: 979-845-9781, Fax: 979-845-8528, albrecht@rsocsun.tamu.edu

Secretary: Dr. Gene Theodori, Texas A&M Univ., 2125 TAMU, College Station, TX 77843-2125, Office: 979-862-8561, Fax: 979-845-8528, g-theodori@tamu.edu

Past President: Dr. Glenn Israel, Program Dev & Evaluation, Univ. of Florida, PO Box 110540, Gainesville, FL 32611, Office: 352-392-0502, Fax: 352-392-9585, gdi@mail.ifas.ufl.edu
ANNUAL RECEPTION
Sponsored by

SOUTHERN FARM BUREAU LIFE
INSURANCE COMPANY

An affiliate of the following ten state Farm Bureaus:

Arkansas Farm Bureau Federation
Stanley Reed, President
P.O. Box 31
Little Rock, AR  72203

Florida Farm Bureau Federation
Carl B. Loop, Jr., President
P.O. Box 147030
Gainesville, FL  32614-7030

Georgia Farm Bureau Federation
Wayne Dollar, President
Rt. 2, Box 112
Ochlocknee, GA  31773

Kentucky Farm Bureau Federation
Sam Moore, President
P.O. Box 20700
Louisville, KY  40250-0700

Louisiana Farm Bureau Federation
Ronald Anderson, President
P.O. Box 95004
Baton Rouge, LA  70895-9004

Mississippi Farm Bureau Federation
David Waide, President
P.O. Box 1972
Jackson, MS  39215-1972

North Carolina Farm Bureau Federation
Larry Wooten, President
P.O. Box 27766
Raleigh, NC  27611

South Carolina Farm Bureau Federation
David Winkles, President
P.O. Box 754
Columbia, SC  29202

Texas Farm Bureau
Kenneth Dierschke, President
P.O. Box 2689
Waco, TX  76702-2389

Virginia Farm Bureau Federation
Bruce Hiatt, President
P.O. Box 27552
Richmond, VA  23261

Conference participants are encouraged to write and thank their state Federation for the support of the SAAS Social.
Southern Association of Agricultural Scientists

Future Meeting Dates & Locations

2006 – Orlando, FL (Feb. 04-08)

2007 – Mobile, AL (Feb. 03-07)

2008 – Texas (Feb. 02-06)