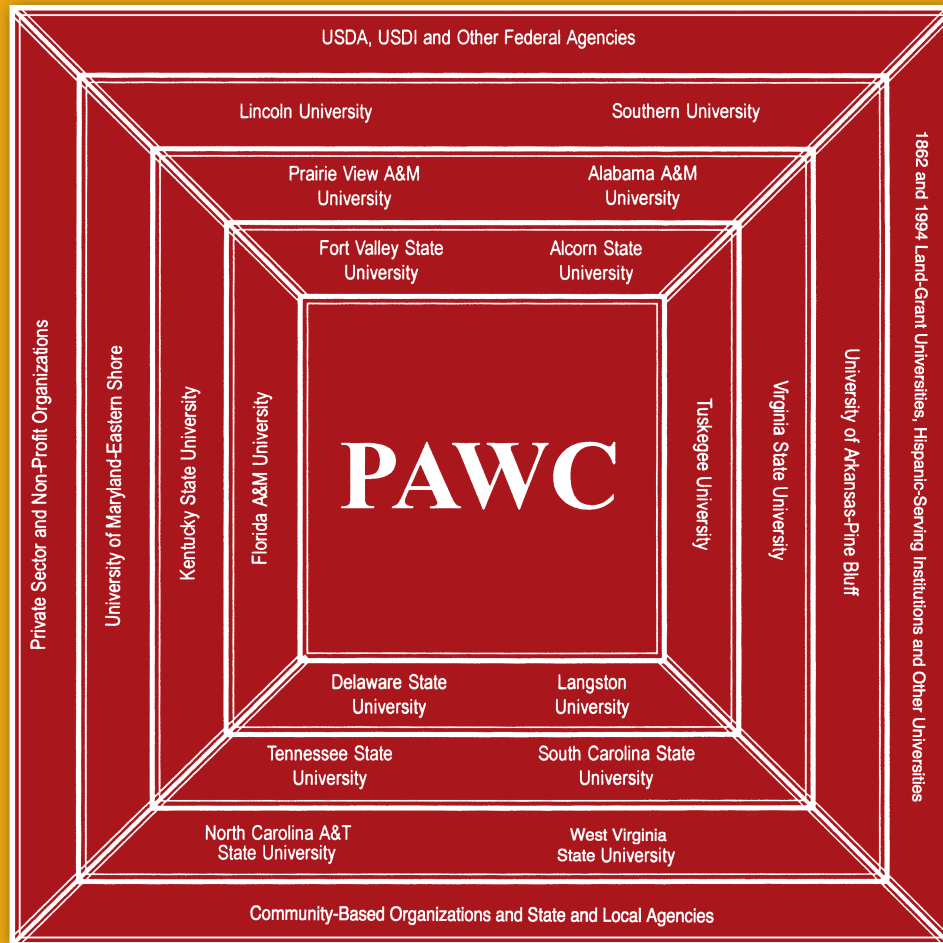


68th

Professional Agricultural Workers Conference



Theme: Empowering Underserved Farmers and Rural Communities by Changing Legislation, USDA Eligibility Requirements, and Program Delivery

Tuskegee University • Tuskegee, AL
Kellogg Hotel and Conference Center

December 5-7, 2010

PRECONFERENCE MEETINGS AND ACTIVITIES
The Kellogg Conference Center at Tuskegee University

FRIDAY, DECEMBER 3

9:00 am – 5:00 pm **TUSKEGEE UNIVERSITY FORESTRY AND NATURAL RESOURCES
ADVISORY COUNCIL**
The Kellogg Hotel and Conference Center

Chair: Deidre Smith, *USDA/Forest Service Liaison, Tuskegee University*

SATURDAY, DECEMBER 4

9:00 am – 12:00 pm **TUSKEGEE UNIVERSITY FORESTRY AND NATURAL RESOURCES
ADVISORY COUNCIL, *continued***

SUNDAY, DECEMBER 5

9:00 am – 11:00 am **CHURCH SERVICE**
The Tuskegee University Chapel

1:00 pm – 4:00 pm **EXHIBIT AND POSTER SET UP**

2:00 pm – 5:30 pm **PAWC REGISTRATION**

2:00 pm – 5:30 pm **GAMMA SIGMA DELTA UNDERGRADUATE AND
GRADUATE STUDENT PAPER AND POSTER COMPETITION**
Meeting Rooms D & E—Undergraduate Competition
Meeting Rooms F & G—Graduate Competition

2:00 pm – 5:30 pm **SMALL FARM LEADERSHIP INSTITUTE WORKSHOP—*The Southern
University Agricultural Research and Extension Center—Dawn Mellion-Patin
Ballroom C***

3:00 pm – 6:00 pm **PLANTING SEEDS OF OPPORTUNITY: INFORMATIONAL SESSION FOR
STUDENTS & PROFESSIONALS IN AGRICULTURAL & NATURAL SCIENCES**
Ballroom A

3:00 pm **TOUR OF TUSKEGEE CAMPUS—Meet in *Lobby***

4:00 pm **ORIENTATION FOR CASE STUDIES FACILITATORS & RECORDERS**
Meeting Room B

5:30 pm **STUDENT RECEPTION—*Sponsored by USDA/APHIS***
Atrium

6:30 pm **TUSKEGEE UNIVERSITY CHRISTMAS CHOIR CONCERT**
The Tuskegee University Chapel

8:30 pm **MEET THE PARTICIPANTS—*President's Reception***
The Ballroom

12:00 pm – 1:30 pm

L. A. POTTS LUNCHEON SUCCESS STORIES

The Ballroom

Presiding: Deidre Smith, *USDA Forest Service Liaison, Tuskegee University*

Invocation: Ron Smith, *Tuskegee University Cooperative Extension Program*

Cultural Activity: *A Woman Was Born Today --If the Love of God Did Not Exist*
by Ellen Byrd
and
I am an American
by Women & Youth in Agriculture

SUCCESS STORIES

Iowa State University
Annie's Project: Education For Women
by Ruth Hambleton

Winston County Self Help Cooperative
Know your Farmer, Know Your Food
by Frank Taylor

Tuskegee University Cooperative Extension Program
Wilcox/Lowndes County Summer Health and Fitness Academy
by Milliscent Braxton and George Hunter

2:00 pm – 3:30 pm

Part III: Recommendations for Legislation, USDA Eligibility Requirements, and Program Delivery

The Auditorium

3:30 pm – 4:00 pm

BREAK

Break Lounge

4:00 pm – 5:30 pm

CONCURRENT WORKSHOPS (WK) AND PAPER PRESENTATIONS (PP)

PP1: Success Story Breakout Session *Meeting Room A*

Moderator: Nelson Daniels, *Prairie View A & M University*

WK1: Strengthening Partnerships with USDA *Meeting Rooms F & G*

Moderator: Dawn Mellion-Patin, *The Southern University Agricultural Research and Extension Center*

Presenters:

- Rhonda Benton, Rhema Ranch, Banks, AL
Strengthening Relationships with USDA, Farmers, Ranchers and Rural and Urban Communities by Understanding the Process...A Conversation Continued
- Marie Campos, Native Hispanic Institute
Forging a USDA Path Out of Poverty

- D. Chongo Mundende, Langston University
The Voiceless Majority: Empowering Underserved Producers to Get Their Voice
- Gwendolyn J. Johnson, Tuskegee University
Housing Issues in Rural West Alabama: How USDA Can Assist in Alleviating This Problem

WK2: USDA and State Programs

Meeting Rooms D & E

Moderator: Donald McDowell, *North Carolina A & T University*

Presenters:

- William Henderson, USDA/Alabama Farm Service Agency State Office and Danny Lindsey, Alabama FSA Elmore Farm Loan Team
Producer and Program Eligibility Requirement and Relevance to FSA Disaster Assistance Programs
- Mary Ahearn, USDA/Economic Research Service
New Directions in the 2008 Farm Bill and Diversity in U.S. Agriculture
- Andy Mason, USDA/National Agroforestry Center
Agroforestry: Income Opportunities for Farmers and Woodland Owners
- Candiss Williams, USDA/Agricultural Research Service, Tifton, GA
Modeling for Conservation Practices
- Angela Hurst, Alabama State Department of Agriculture
Alabama Specialty Crop Program & Alabama Farm Ranchland Protection Project

PP1: Production Issues

Meeting Room B

Moderator: LaShunda Anderson, *Alcorn State University*

Presenters:

- Antionette Knox, Tuskegee University and Lynetta Freeman, Purdue University School of Veterinary Medicine
A Potential Model for the Prevention of Hypertrophic Scar
- Casey Graves, Tuskegee University and Emily Rodamaker, Chad O’Gorman, and Kevin Wells, University of Missouri
Construction and Assembly of a Set of Reporter Genes
- James E. Golden, Tuskegee University and Kiho Lee and Zoltan Machaty, Purdue University
Developing new methods for parthenogenetic activation of pig oocytes
- Mieko Thompson, University of Tennessee, Knoxville
Biochar Influence on Soil Microorganisms

- Nii O. Tackie, Mudiayi Ngandu, Jazmian D. Allen, Ntam Baharanyi and Oluwagbemiga Ojumu, Tuskegee University
Assessing the Characteristics and Status of Small and Limited Resource Meat Goat Farmers in the Alabama Black Belt
- Sunday Dada, Tuskegee University
Cowpea Fodder for Finishing Spanish Boer Bucks

5:30 pm – 6:30 pm

NETWORKING AND SPECIAL MEETINGS

6:30 pm

**SIXTEENTH ANNUAL MANRRS – TUSKEGEE UNIVERSITY
G. W. CARVER CHAPTER STUDENT AWARDS DINNER**
The Ballroom

Presiding: Frank E. Chestnut, III, *Vice President, MANRRS, Tuskegee University,
George Washington Carver Chapter*

Musical Selections: Kafele Bandele

Speakers: LaWanda Thomas, *National Recruitment Coordinator
for USDA, APHIS Veterinary Services*
&
Earl Yates, *Africa Regional Director, Peace Corps, Retired*

Recognitions: 2010 MANRRS Chapter of the Year for Region 3, 2010 3rd Place
National Chapter of the Year, 2010 Annual Cluster Supporters

Sponsor: USDA/APHIS-Veterinary Services

11:45 pm – 1:00 pm

THE KAREN JOHNSON MEMORIAL LUNCHEON AND LECTURE
Kentucky State University

The Ballroom

Presiding: Wilhelmina Bratton, *USDA Forest Service*

Invocation: Ramble Ankumah, *Head, Department of Agriculture and Environmental Sciences, Tuskegee University*

Presentation: Louie Rivers, *Director, Small Farm Outreach Training and Technical Assistance Project, Kentucky State University*

1:15 pm - 2:30 pm

KEYNOTE ADDRESS

The Chapel

Presiding: Pearlie Reed, *Assistant Secretary for Administration, USDA*

Introduction of Guest Speaker: Gilbert L. Rochon, *President, Tuskegee University*

Keynote Speaker: Tom Vilsack, *Secretary of Agriculture, USDA*

2:30 pm – 4:00 pm

CONCURRENT WORKSHOPS (WK) AND PAPER PRESENTATIONS (PP)

PP2: Empowering Small Farmers and Rural Communities

Meeting Rooms D & E

Moderator: Ray McKinnie, *North Carolina A & T State University*

Presenters:

- Elizabeth B. Myles, *Mississippi Small Farm Development Center*
Entering Commercial Markets
- John O’Sullivan, *North Carolina A&T State University*
Rebuilding Local Food Systems in North Carolina
- Jason Johnson, *Texas AgriLife Extension Service, Tim Eggers, Iowa State University and Bob Wells*
Investing for Farm Families: Empowering Families to Make Better Financial Decisions
- Albert Myles and Rachael Carter, *Mississippi State University*
Planning a Rural Grocery Cooperative in the Mississippi Delta
- Jerome Brown, *USDA NRCS, RC & D*
Georgia New State-Wide EBT-Farmers Market Program
- Paul Reeves, *UPEPO Energy Group, Tulsa, OK*
Renewable Energy Development

PP3: Alternative Production for Small Farmers

Meeting Room A

Moderator: Jozette Young, *South Carolina State University*

Presenters:

- Drew Jillian Agnew, *Tuskegee University*
Organics and the Importance of Organic Farming
- LaShunda Anderson, Patrick Igbokwe, Joseph Jackson, and Wanda Millis, *Alcorn State University*

A Potential Alternative Income for Underserved Farmers: Shiitake Mushroom Production

- Rick L. Holness, Patrica Perez, Grace Summers, and Keith Baldwin, North Carolina A&T State University Cooperative Extension Program.
Grafting of Heirloom Tomatoes to Promote Yield and Enhance Local Food Production
- Gregory Glover, The University of Georgia Cooperative Extension System
Sustainable Small Scale Hydroponic Row Cropping of Georgia Collard Greens and Nile Tilapia
- Jamie Flood and Michelle Worosz, Auburn University
Satsuma Mandarin Industry in Southern Alabama: Looking for Historical Indicators for Today's Market
- Nalita Holt, Brennon Luster, and Joseph Onyilagha, University of Arkansas at Pine Bluff
Flavonoids and Insect Feeding Resistance in Camelina sativa

PP4: Planning Successful Programs

Meeting Room B

Moderator: Alfred Jackson, *Tuskegee University*

Presenters:

- Marion Simon, Kentucky State
The Third Thursday Third Thing: Guiding Sustainable Agriculture in Kentucky
- Gina Beckles, Program Evaluation Services, Inc., Titusville, FL
Five Types of Questions Asked During a Program Evaluation
- Laurence Crane, National Crop Insurance Services
Crop Insurance Overview: What's New for 2011
- Michelle Eley, North Carolina A&T State University, Cooperative Extension Program
Building Agricultural Capacity of Hmong Farmers in North Carolina
- Tim Eggers, Ruth Hambleton, Bob Wells, and Madeline Schultz
Empowering Underserved Audiences with Education
- Samuel Craig Little John, South Carolina State University
Radio Frequency Identification Technology Usage for the Increased Security of South Carolina Produce

PP5: International Programs, Pt. 1

Meeting Rooms F & G

Chair: Eloise Carter, *International Programs, Tuskegee University*

Presiding: Catherine Watkins, *Human Resources, USDA/FAS/OICD*

Presenters:

- Deborah Campbell, Dbyard International, LLC
African Woman Agribusiness Network, AWAN: A continent wide group of women who have come together as one organization to support business opportunities for women in Africa
- Romaine Williams, Office of Food for Peace and Famine Early Warning System Network (FEWS NET)
Role and Scope of Food for Peace and FEWS NET in Providing Disaster Assistance in a Time of Crisis
- Christi Copeland, University of Missouri
Management of Selected International Projects at the University of Missouri
- Michael Robie, Senior Recruiter, Peace Corps, Atlanta Office
Promising Opportunities Available Through Peace Corps

4:00 pm – 4:30 pm

BREAK: Healthy

Break Lounge

4:30 pm – 6:00 pm

CONCURRENT WORKSHOPS (WK) AND PAPER PRESENTATIONS (PP)

PP5: International Programs, Pt. 2

Meeting Rooms F & G

Chair: Eloise Carter, *Office of International Programs, Tuskegee University*

Presiding: Catherine Watkins, *Human Resources, USDA/FAS/OICD*

Presenters:

- Edward Mabaya, Stellenbosch University
Factors Influencing Agriculture and Agribusiness Development in Africa
- Thulasizwe Mkhabela, Stellenbosch University
Trouble in the Land of Plenty: Food (In) Security and Productivity Gains in South African Agriculture
- Yoliswa Hlanganise, Stellenbosch University
Impact of In-field Rainwater Harvesting Technology on Household Food Security
- Gwako M. Sefoko, Stellenbosch University
Transformation in the South African Agricultural Sector
- Harold May, Suchet Loois and Ramble Ankumah, Family, Inc, and Tuskegee University
The FAMILY Concept of Sustainable Community Development and the Cholera Epidemic in Haiti—What is the Connection?

PP6: Food, Nutrition and Health

Meeting Room D

Moderator: Elaine Bromfield, *Tuskegee University*

Presenters:

- Melissa Johnson and Ralphenia Pace, Tuskegee University
Sweetpotato leaves: properties and synergistic interactions that promote health and prevent disease
- Jebaraj Asirvatham, University of Illinois at Urbana-Champaign
Examining Diet Quality and Body Mass Index in Rural Areas in Quantile Regression Regression Framework over a 10-year Period
- Berthena Conyer, Norma Dawkins and Beatrice Phillips, Tuskegee University
Determination of Selected Risk Factors for Cardiovascular Disease among African American College Age Students at Tuskegee University
- Norma Dawkins, Vivian Carter and Barbara Howard, Tuskegee University
Community Response to Health Survey in Preparation Healthy Lifestyle Program
- Eunice Bonsi, Wisdom Plahar, Robert Zabawa, Conrad Bonsi, Prosper Doamekpor, Ellene Kebede and Desmond Mortley, Tuskegee University
Formulation and Quality Evaluation of Weaning Foods based on Orange-Flesh Sweetpotato (OFS) Flour to Alleviate Infant Malnutrition in Ghana
- Deidre Tice, Sharon Weatherspoon and Byungjin Min, Tuskegee University
Microbial loads of fresh produce from local markets

PP7: International Economic Development

Meeting Room A

Moderator: Miles Robinson, *Tuskegee University*

Presenters:

- Marikis N. Alvarez, Arnold Dorsett, Philip Miller, Inter-American Institute for Cooperation on Agriculture
Revitalizing the Agricultural Sector in the Bahamas and its Potential for Agro-tourism
- William Bowser and Carl Nelson, University of Illinois Urbana-Champaign
Institutions, Investments, and Income Diversifications: Pathways to Economic Developments for Brazil's Quilomobo Communities

- Nur Raudah Rahman and Jon C. Phillips, Jon C. Phillips, Cal Poly Pomona University
Productivity of International Outsourcing: Halal Broiler Industry in Malaysia
- Wang Yong, Zachary Senwo, Xiongwen Chen and Robert Taylor, Alabama A&M University
Strengthening Minority Global Perspectives in Agricultural Research and Education

PP8: Rural Development

Meeting Room E

Moderator: Youssouf Diabate, *Tuskegee University*

Presenters:

- Nii O. Tackie, Henry J. Findlay, Rory Stephens, Oluwagbemiga Ojumu, and Abdul-Wahab Salifu, Tuskegee University
A Case Study of Record-Keeping Practices and Perceptions of Farmers in Rural Communities
- Mohammed Ibrahim and Benjamin Onyango, Fort Valley State University
Students' perceptions of genetically modified food products risks: Evidence from Fort Valley State University
- Christopher Mathis, Jr. and Shobha Choudhari, South Carolina State University
Assessment of the Hispanic Participation in the Free School Lunch Programs of South Carolina over the Period of Four Years (2000-2003)
- Andrew Zekeri, Tuskegee University
Community Economic Development in the Gulf Counties of Alabama Impacted by Hurricane Katrina: The Influence of Social Capital
- Nii O. Tackie, Robert Zabawa, Kokoasse Kpombrekou-A, Maria-Judith Kretchy, Miriam A. Boateng, and Oluwagbemiga Ojumu
Analyzing Perceptions of Consumers and Impact of Selected Socioeconomic Variables on Organic Farming and Products

WK5: Learning Math, Science and Agriculture—Challenges and Outcomes in

Meeting Room B

Moderator: Carol Zippert, *Tuskegee University*

Presenters:

- Juanita Pierce and James Sanders, Newman School of Learning
K-6 Science Camp
- Jacqueline McArthur, Walter Hill, Guy Trammel and Carlton Morris, Tuskegee University
Gardening with Youth as a Means of Developing Science, Work and Life Skills

- Chanci Williams Coleman, Eagles Landings High School
High School Agriculture Science Programs in Southeast Georgia
- Christy Johnson, Barbara Hildreth, Kashawnda Smith, Emily Owens, James Sanders, Walter Hill, Wilcox Central High School
Nontraditional Teachers Making a Difference in the Lives of Students
- Ashley Rose, Walter Hill, and William Leonard, Tuskegee University
Student Response to Nature and Science through Art
- Jill Hill, Elaine Bromfield and Carolyn Sippial, Tuskegee University
Facilitating Undergraduate Student Learning in College Algebra
- Carlton Morris, Walter Hill, Qazi Mohammed, Dennis Likens, and Melvin Gaston, Tuskegee University
Alabama Black Belt NSF-Noyce Science & Math Teacher Scholars

6:00 pm – 6:30 pm

NETWORKING AND SPECIAL MEETINGS

Meeting Room A

6:30 pm

**GEORGE WASHINGTON CARVER PUBLIC SERVICE
HALL OF FAME AWARDS BANQUET AND LECTURE**
The Ballroom

Presiding: Gina E. Eubanks, *Vice Chancellor of Extension, Southern University
Agricultural Research and Extension Center*

Musical Selections: Kathryn Hill, *Mezzo Soprano, USDA Office of Communications*

Invocation: William Lennard, *College of Agricultural, Environmental and Natural
Sciences, Tuskegee University*

Introduction of Speaker

Speaker: Owusu Bandele, *Professor, Horticulture and Organic Agriculture, Retired,
Southern University and A&M College, Baton Rouge, Louisiana*

Induction into the Hall of Fame

- Hazo W. Carter, Jr., *President, West Virginia State University*
- George M. Paris, *Alabama State Department of Agriculture and
Industries*

By

Gilbert L. Rochon, *President, Tuskegee University*

Remarks and Acknowledgements – Walter A. Hill, *Chair PAWC*

Graduate Poster Presentations

THE COMMODITY AND COLLECTIVE CHAINS OF VIDALIA ONIONS

JOLENE J. GLENN and J.J. Molnar, Auburn University

TETRACYCLINE IS NOT A PREDICTOR OF TIGECYCLINE RESISTANCE IN CLOSTRIDIUM DIFFICILE

M. A. STAYTON, S. R. Curry, J. L. Gee, J. W. Marsh, and L. H. Harrison, University of Pittsburgh

SOCIAL CAPITAL AND RURAL DEVELOPMENT: THE CASE OF DALLAS COUNTY IN ALABAMA

YIMIN ZHAO and E. Kebede, Tuskegee University

Undergraduate Poster Presentations

RELATIONSHIPS AMONG BODY CONFORMATION, TESTICULAR TRAITS AND SEMEN OUTPUT IN ELECTRO-EJACULATED PUBERTAL KIKO GOAT BUCKS

PATRICIA BRADLEY, C. Okere, E. Rick Bridges, Bolden-Tiller, D. Ford and A. Paden, Tuskegee University

EVALUATING THE INFLUENCE OF BREED ON HAIR COAT CHARACTERISTICS AND BODY TEMPERATURE OF HAIR SHEEP IN THE TROPICS

TRAMAINE CREIGHTON, Tuskegee University and R. W. Godfrey, the University of the Virgin Islands, St. Croix

PHOSPHORUS ACCUMULATION IN AN ORGANIC FARMING SYSTEM

KELVINA DOSS and K. Kpombekou-A, Tuskegee University

UTILIZATION OF SOW PRODUCTIVITY INDEX (SPI) TO OPTIMIZE REPRODUCTIVE EFFICIENCY IN A SOW HERD.

CANDACE ELLIS, C. Okere, O. Bolden-Tiller and W. McElhenney, Tuskegee University

BODY CONFORMATION AND HEMATOLOGICAL PARAMETERS OF INTACT BOER BUCKS UNDER INTENSIVE MANAGEMENT SYSTEM.

BRITTANY PALMER, N. Gurung, C. Okere and H. Muhammed, Tuskegee University

PERFORMANCE IN ANIMAL SCIENCE PROFICIENCY AS RELATED TO STUDENT CLASS STANDING, FARM OR NON-FARM BACKGROUND

DAVI-ANNE PHILLIP, C. Okere, O. Bolden-Tiller, W. Witola, N. Gurung and W. McElhenney, Tuskegee University

PARITY EFFECTS ON REPRODUCTIVE EFFICIENCY IN PUREBRED LARGE WHITE SOWS

JASMINE STREETER, C. Okere, and O. Bolden-Tiller, Tuskegee University

ELUCISATION OF THE UNIQUE PHOSPHOLIPIDS BIOSYNTHETIC PATHWAYS IN THE PROTOZOAN PARASITE CRYPTOSPORIDIUM PARVUM

JANEEA VENTOUR and W. H. Witola, Tuskegee University

Graduate Oral Presentations

EXAMINING DIET QUALITY AND BODY MASS INDEX IN RURAL AREAS IN A QUANTILE REGRESSION FRAMEWORK OVER A 10-YEAR PERIOD

JEBARAJ ASIRVATHA, University of Illinois, Urbana-Champaign

SPONTANEOUSLY HYPERTENSIVE RATS' RESPONSE TO DIETS CONTAINING TRADITIONAL AND NOVEL VEGETABLE GREENS ON FATTY ACID COMPOSITION

SHAINA ATTOH, Tuskegee University

INSTITUTIONS, INVESTMENTS, AND INCOME DIVERSIFICATION: PATHWAYS TO ECONOMIC DEVELOPMENT FOR BRAZIL'S QUILOMBO COMMUNITIES

WILLIAM BOWSER and C. H. Nelson, University of Illinois, Urbana-Champaign

MEAT INSPECTION REGULATION: THE FEDERAL-STATE RELATIONSHIP

RIVA DENNY, Auburn University

INFLUENCE OF COLLECTION PERIOD AND FATTY ACID EXTRACTION-METHYLATION PROCEDURE ON THE FATTY ACID PROFILE OF 'WHATLEY-LORETAN' SWEETPOTATO LEAVES (IPOMOEA BATATAS L.)

MELISSA JOHNSON and R. D. Pace, Tuskegee University

ASSESSING THE EFFECTS OF LAND USE ON MICROBIAL DIVERSITY AND PHYLOGENY ACROSS A MIXED CULTURE AGROECOSYSTEM

RAYMON SHANGE, R. Ankumah, R. Zabawa and L. Githinji, Tuskegee University

THE IMPACT ON MACROECONOMIC FACTORS ON UNEMPLOYMENT IN ALABAMA BLACK BELT AND NON-BLACK BELT COUNTIES, 1990-2009

BERNADETTE N. WINSTON, R. Zabawa and N. Baharanyi, Tuskegee University

Undergraduate Oral Presentations

A STUDY ON THE CALIBRATION AND MEASUREMENT OF RADIUM ISOTOPES WITH THE RADECC SYSTEM

BOAZ BETT, Z. Chang, W. S. Moore, South Carolina State University

EFFECTS OF DIVERSE SALINITY ON GROWTH AND RESPIRATION IN TILAPIA

LINDSEY CALLIER, D. Anadu and A. G. Chakrabarti, South Carolina State University

EFFECT OF PT: CO: C LOADING ON THE CATALYTIC PROPERTIES OF CATALYST FOR OXYGEN REDUCTION REACTION (CATALYST OF FUEL CELL)

JOSEPH L. CARSON, B. N. Popov, South Carolina State University

A NEW CARBORANE-LOADED LIQUID SCINTILLATOR FOR THE DETECTION OF THERMO NEUTRONS

KYLE E. CHILDS and Z. Chang, South Carolina State University

LOWERING COST OF LEAD BATTERY BY INEXPENSIVE ELECTROLYTES AND ELECTRODES

OBI CHUKUEMEKA, and A. G. Chakrabarti, South Carolina State University

MICROBIOLOGICAL SAFETY OF IRRIGATION WATER USED BY A LOCAL FARMER

ALEX FREDERICK, Fur-Chi Chen, R. Stone and S. Godwin, Tennessee State University

DETERMINING HOST USE AND MOVEMENT PATTERNS OF CIGARETTE BEETLES, LASIODERM SERRICORNE,(L.) USING TRACE ELEMENT MARKERS

BRIAN LAMONT GARY and R. Mahroof, South Carolina State University

UNDERSTANDING SMALL SCALE FARMERS IN SOUTH AFRICA AND ENHANCING ECONOMIC

JOSHUA GREEN and H. Paul, Florida A&M University and D. Alexander, University of Ft. Hare, Alice, Eastern Cape, South Africa.

INFLUENCE OF TRANSGENIC (D4E1) AND NON-TRANSGENIC COTTON ON SOIL ENZYMATIC ACTIVITY OVER A GROWING PERIOD

JAMIE KEITH, L. J. Odom, and R. O. Ankumah, Tuskegee University

PERFORMANCE OF PASTURED POULTRY (BROILERS) FED SWEET POTATO ROOT MEAL

ANGEL LAWS, T. Phillips, B. Palmer, R. Beckford, K. Reynold, J. R. Bartlett, V. A. Khan, E. G. Rhoden, and P.K. Biswas, Tuskegee University

PRODUCTION COSTS AND NET RETURNS OF PRODUCING SWEETPOTATO ROOT MEAL FROM EIGHT CULTIVARS

MARK McHUGH, R. Beckford, R. Armand, J. Golden, E. High, E. Sparks, V. A. Khan, J. R. Bartlett, E. G. Rhoden, P. K. Biswas and K. Willian; Tuskegee University

MAKING A 12-VOLT CAR BATTERY USING INEXPENSIVE ELECTRODES AND ELECTROLYTES

TRAVIS PASCOE, L. Callier, and A. G. Chakrabarti, South Carolina State University

EVALUATION OF THREE PRUNING HEIGHTS ON DRY MATTER YIELD AND FEED VALUE OF POSTHARVESTED COWPEA PLANTS GROWN ON POLYETHYLENE MULCH

JACOB SPARKS, Opelika High School, Opelika, AL and J. Streeter, G. Gaymon, E. Sparks, N. Ellison, E. G. Rhoden, V. A. Khan, J. R. Bartlett, R. Smith, P. K. Biswas and K. Willian, Tuskegee University

TEMPERATURE EFFECTS ON TILAPIA RESPIRATION

KYLA WILLIAMS, D. Anad, and A. G. Chakrabarti, South Carolina State University

PRELIMINARY RESULTS FROM THE PLACEMENT OF INTER ROW POLYETHYLENE MULCH ON THE YIELD OF SIX SWEETPOTATO CULTIVARS

DINAH WIMBISH, V. A. Khan, J. R. Bartlett, E. G. Rhoden, R. Smith, P. K. Biswas and K. Willian, Tuskegee University

Professional Posters

NEW ROOTS FOR THE UPROOTED

Michelle Eley, North Carolina A & T State University Cooperative Extension Program and Pahoua Xiong, United Hmong Association of North Carolina

THE INFLUENCE OF BIOCHAR ON PHYSICAL AND HYDRAULIC PROPERTIES OF SOIL

Leonard Githinji, Ramble Ankumah, and Raymon Shange, Tuskegee University

SHORT-TERM IMPACT AND EVALUATION OF TUSKEGEE UNIVERSITY EXTENSION EDUCATION PROGRAMS

Uma Karki, Nar Gurung, and Ntam Baharanyi, Tuskegee University

UNDERSTANDING OK WOMEN IN AGRICULTURE ASSOCIATION SERVICE TO SOCIALLY DISADVANTAGED FARMERS

Tammy Steele and Cathy Johnson, National Women in Agriculture Association

WINSTON COUNTY SELF HELP COOPERATIVE

Frank Taylor, Winston County Self Help Cooperative, MS

PAWC VISION AND MISSION STATEMENTS

VISION

The Professional Agricultural Workers Conference (PAWC) is a forum committed to a world that values and promotes equal opportunity and equitable access to information and technology for sustainable development of communities and natural resources.

MISSION

To enhance the skills and contributions of agricultural and related professionals (business, government, university and community professionals) involved in discovery, dissemination and use of emerging technologies, information, problem solving, policy formulation and strategy development for the advancement of people and communities.

GOALS/OBJECTIVES

- (1) Provide an annual forum for the exchange of cutting-edge knowledge and information
 - (2) Initiate and follow-up on programs and policy initiatives
 - (3) Provide information for public decision-makers and stakeholders
 - (4) Recognize and award those professionals who have made outstanding contributions to society
 - (5) Mentor and nurture future generations of professionals (agricultural and related sciences)
 - (6) Facilitate partnerships, collaborations, networking among corporations, individuals, groups, and organizations
 - (7) Foster professional development and life-long learning opportunities
 - (8) Foster an environment for institutional capacity building for people, organizations, and communities
-

SPONSORS

U. S. Department of Agriculture:

Economic Research Service; Natural Resources Conservation Service; Forest Service; Alabama Farm Service Agency; Agency for Plant and Animal Health Inspection Service; Risk Management Agency; Sustainable Agriculture Research and Education; Southern Rural Development Center

Wal-Mart

ACKNOWLEDGEMENTS

The 68th Professional Agricultural Workers Conference (PAWC) is grateful to the following organizations and individuals:

U. S. Department of Agriculture:

Economic Research Service; Natural Resources Conservation Service; Rural Cooperative-Business Service; Forest Service; Farm Service Agency; Agency for Plant and Animal Health Inspection Service; Foreign Agriculture Service/ICD; National Institute of Food and Agriculture; Risk Management Agency; Office of Civil Rights

United States Department of Interior/National Park Service

American Agricultural Economics Association (AAEA) Foundation and

Committee on Opportunities and Status of Blacks in Agricultural Economics (COSBAE)

Department of Agriculture and Industries, State of Alabama

1890 Land Grant Colleges and Universities

Association of Public and Land Grant Universities (APLU)

Southern University Law Center

Tuskegee University:

College of Agricultural, Environmental and Natural Sciences; George Washington Carver Agricultural Experiment Station; Cooperative Extension Program; Center for Continuing Education; Office of International Programs, Center for Minority Land and Community Security

COMMITTEES

Walter A. Hill, Tuskegee University PAWC Chair

Robert Zabawa and Tasha Hargrove, Tuskegee University, PAWC Co-Coordinators

John Williams, USDA/APHIS (ret.) Chair PAWC Advisory Committee

Pearlie Reed, Assistant Secretary for Administration, USDA, Special Assistance

Advisory and Planning:

Paul Anderson, National Park Service

Ntam Baharanyi, Tuskegee University

Lionel J. (Bo) Beaulieu, SRDC

Sarah Bobrow-Williams, Bobrow-Williams Group LLC

Wilhelmina Bratton, USDA/FS

Carolyn Brooks, Assoc. of 1890 Res. Dir.

William Buchanan, USDA/RMA

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