

Agenda

Conservation Tillage School/Southern Conservation Ag Systems Conference

July 29-31, 2008 - University of Georgia, Tifton Campus Conference Center, Tifton, Georgia

Tuesday, July 29

10:00 - 1:00 p.m. **Registration and Poster Set-Up**

10:30 - 11:30 a.m. SCASC Steering Committee Meeting (by invitation only)

1:00 - 3:00 p.m. **Welcome (Small Auditorium)** - Gary Hawkins

Plenary Session - *Water Issues in the Southeast: the Role of Agriculture and Conservation Tillage*

- Dr. David Stooksbury, Georgia State Climatologist
- Dr. Jim Hairston, Water Issues Outreach, Auburn University
- Shana Udvardy, Water Program Manager, Georgia Conservancy
- Glenn Horvath, Project Coordinator, Suwanee River Water Management District, Florida

3:00 - 3:30 p.m. **Break** (among posters) – **(Ballroom B&C)**

3:30 - 5:00 p.m. **Concurrent Sessions**

▪ **Water/Irrigation Issues and Conservation Tillage (Room 1)**

- *Deficit Irrigation and Conservation Tillage Effects on Water Use and Yield of Cotton* – R.L. Baumhardt, USDA-ARS, TX
- *Hydrologic Impacts of Strip Tillage for a Coastal Plain Soil* – D.D. Bosch, USDA-ARS, GA
- *On Farm Observation of Reduced Irrigation as a Result of Conservation Tillage* – Lamar Black, Farmer, Jenkins County, GA

▪ **Pest Management in Conservation Tillage (Small Auditorium)**

- *Planting & Termination Dates Affect Winter Cover Crop Biomass in a Conservation Tillage Corn-Cotton Rotation: Implications for Weed Control & Yield* – M. Saini, Auburn University
- *Using Crop Rotation and a Hooded Sprayer to Control Weeds on a South Carolina Farm* – Mark Edwins, Farmer, Dorchester County, SC
- *Herbicide Resistant Palmer Amaranth: Implications for Conservation Tillage* – Jeremy Kichler, Macon County Extension Coordinator, GA

▪ **Current and Future Technology for Conservation Tillage (Room 6&7)**

- *Pearl Millet and Conservation Tillage* – J.P. Wilson, USDA-ARS, GA
- *Tillage and Timing of Babiagrass Termination in a Sod Rotation for Peanut* – R.S. Tubbs, University of Georgia
- *Nitrogen Fertilizer Timing, Source and Rate for a Winter Cereal Cover Crop* – K.S. Balkcom, USDA-ARS, AL

5:00 - 6:00 p.m. **Reception/Mixer** (Around poster session with all authors present)

6:00 - 8:00 p.m. **Dinner (Ballroom B&C)**

Keynote – *Implementing Conservation Programs in the Farm Bill, Assessments of Programs and Research Needs*

- Mr. John Redding, President, National Association of Conservation Districts

Wednesday, July 30

7:30 - 8:00 a.m. **Breakfast (Ballroom B&C)**

8:00 - 8:10 a.m. **Load Vehicles for Field/Farm Tours**

8:25 a.m. • Tour Stop #1

9:30 a.m. • Tour Stop #2

10:35 a.m. • Tour Stop #3

11:30 a.m. - Noon **Load Vehicles and Return to Tifton Campus Conference Center**

12:00 - 1:30 p.m. **Lunch (Ballroom B&C)**

Keynote – *Precision Agriculture & Conservation Tillage*

- Dr. Ed Barnes, Director of Agricultural Research, Cotton, Inc.

1:30 - 3:00 p.m. **Concurrent Sessions**

- **Farm Bill Conservation Programs/Implementing & Monitoring Programs (Small Auditorium)**
 - *Conservation Programs in the Farm Bill: NRCS Perspective* - Andy Page, USDA-NRCS, GA
 - *Conservation Programs in the Farm Bill: Extension Perspective* – W.L. Harris, Special Programs, Center for Agribusiness & Economic Development, UGA
- **Water/Irrigation Issues and Precision Agriculture (Room 6&7)**
 - *Cover Cropping and Strip Tillage Improve Soil Moisture Retention for Peanut in the Semi-Arid Climate of West Texas* – W.H. Faircloth, USDA-ARS, GA
 - *Rooting Dynamics Associated with Minimal Tillage in the Semi-Arid Peanut Production Region of West Texas* – D.L. Rowland, USDA-ARS, GA
 - *Using GPS with Conservation Tillage* – Trey Dunaway, Farmer, Pulaski County, GA
 - *Strip Till Peanuts and Precision Agriculture* – R.M. Barentine, Pulaski County Extension Coordinator, GA
- **Organic and Conservation Tillage Economics (Room 1)**
 - *Economic Feasibility Analysis of Transitioning to Organically Grown Peanuts* – D.A. Keiser, University of Georgia
 - *Conservation Tillage, Irrigation and Variety Selection Impacts on Cotton Quality Premiums, Discounts and Profitability: Evidence from the Gin* – J.S. Bergtold, Kansas State University
 - *Economics of Zero-Grade Rice Management from the Perspectives of the Landlord and the Tenant* – J.A. Hignight, University of Arkansas

3:00 - 3:30 p.m. **Break** (among posters) - **(Ballroom B&C)**

3:30 - 5:00 p.m. **Concurrent Sessions**

- **Farm Bill Conservation Programs/Implementing & Monitoring of Programs (Room 1)**
 - *Conservation Programs in the Farm Bill: NRCS Perspective* - Andy Page, USDA-NRCS, GA
 - *Conservation Programs in the Farm Bill: An Extension Perspective* – W.L. Harris, Special Programs, Center for Agribusiness & Economic Development, UGA
- **Precision Agriculture and Bioenergy Shifts (Room 6&7)**
 - *Cotton Yield Response to Variable Rate Nematicides According To Risk Zones* – B.V. Ortiz, University of Georgia
 - *Precision Agriculture and Computer Farm Software Programs* – Keith Rucker, Tift County Extension Agent, GA
 - *Can Pyrolysis Chars Increase Corn Yield and Sequester Carbon in Conservation Tillage Systems?* – J.W. Gaskin, University of Georgia
 - *Monitoring Biomass for Use as Bio-Fuels* – W.B. Parker, Jenkins County Extension Coordinator, GA
- **Pest Management in Conservation Tillage (Small Auditorium)**
 - *Tillage Impacts on Cotton Pre-emergence Herbicide Loss by Overland Flow and Subsurface Drainage in the Coastal Plain Region* – T.L. Potter, USDA-ARS, GA
 - *Increasing Farm Sustainability through the Use of Cover Crops for Weed Suppression in Non-Transgenic Conventional Cotton* – R.M. Barentine, Pulaski County Extension Coordinator, GA
 - *On-Farm Pest Management and Conservation Tillage* – Barry Martin, Farmer, Pulaski County, GA

5:00 - 6:00 p.m. **Reception/Mixer** (among posters) - **(Ballroom B&C)**

6:00 - 8:00 p.m. **Dinner - (Ballroom B&C)**

Keynote – *Long-term Conservation Tillage, Innovator in Alabama in Tillage and Precision Agriculture*

- Don Glenn, Farmer, Lawrence County, AL

Thursday, July 31

8:00 - 9:30 a.m. **Concurrent Sessions**

- **Water/Irrigation Issues and Conservation Tillage (Small Auditorium)**
 - *Peanut, Cotton, Irrigation, Sod-Based Rotation, Yield and Water Use Efficiency* – Duli Zhao, University of Florida
 - *Benefits of Annual Crop-Sod Rotation in No-Tillage Systems: Water Availability and Profit* – G.B. Triplett, Mississippi State University
 - *Water Infiltration Increased as a Result of Conservation Tillage* – Michael Maw, Farmer, Tift County, GA

- **Current and Future Technology for Conservation Tillage (Room 6&7)**
 - *On-Farm Conservation Tillage Tobacco* – Eddie McGriff, Coffee County Extension Coordinator, GA
 - *Effects of Transmission Speed on Equipment Performance During Tillage and Utilizing Spatial Equipment Performance Data for Management Decisions* – C.M. Kichler, UDA-ARS, AL
 - *Adapting Conservation Tillage Approaches for California's Central Valley: Recent Progress of the Conservation Tillage Workgroup* – Jeff Mitchell, University of California - Davis

- **Organic Production and Conservation Tillage (Room 4&5)**
 - *Nutrient Release Rates from Organic Mulches and Cover Crops* – M.J. Mulvaney
 - *Utilization of Mulches Increases Yield and Improves Weed Control in No-Till Organic Broccoli* – J.C. Diaz-Perez
 - *Transitioning to Organic Peanut, Rye & Soybean Production* – Relinda Walker, Farmer, Screven County, GA and Ray Hicks, Screven County Extension Coordinator, GA

- **Bioenergy Shifts (Room 1)**
 - *Possible Effects of Corn Stover Removal on Soil Erosion in Iowa – A Panel Data Analysis* – Subbu Kumarappan, Michigan State University
 - *Maximizing Cotton Production and Rye Cover Crop Biomass Through Timely In-Row Subsoiling* – R.L. Raper, USDA-ARS, AL
 - *On-Farm Alternative Bioenergy Crops* – Eddie McGriff, Coffee County Extension Coordinator, GA

9:30 - 10:00 a.m. **Break** (among posters) - **(Ballroom B&C)**

10:00 - 11:30 a.m. **Farmer Panel (Small Auditorium)** – Landowner Issues and Needs from Technical Service Providers

11:30 a.m. - Noon **Wrap-up, Final Questions, Evaluations** (box lunch) – **(Ballroom B&C)**