

FY-09 and CY-09 Funded research

- 1) Extension Cotton Team FY09 studies:
 - i. Cotton Field Demonstration Program
 - ii. Cotton Education Programs – Production Workshop; King Cotton, etc.
- 2) Managing Glyphosate-Resistant Palmer amaranth in Georgia Cotton – *Dr. Stanley Culpepper*
- 3) Simulation Analysis and Economic Impact of the Georgia Cotton Industry – *Dr. Archie Flanders*
- 4) Application of Weather Data to Help Improve Cotton Production – *Dr. Gerrit Hoogenboom*
- 5) Management of Irrigation and Mepiquat Chloride Application with Remote Sensing, & Growth & Yield Characteristics of Two Cotton Varieties under Irrigated & Dryland Conditions – *Dr. Glen Ritchie*
- 6) Cotton Crop Management & Physiology: Identification of Drought Tolerance Characteristics in Multiple Cotton Varieties – *Dr. Glen Ritchie*
- 7) Densification of Cotton Stalk into High Quality Pellets for Energy Production – *Dr. Sudhagar Mani*
- 8) Evaluation of yield, fiber quality, growth characteristics, and maturity of two-gene Bt cotton varieties – *Dr. Jared Whitaker*
- 9) Costs & Returns for Georgia Cotton Production – *Dr. John R. Allison*
- 10) Development of Transgenic Cotton Cultivars Adapted to Georgia Environments – *Dr. Peng W. Chee*
- 11) Development of Diagnostic Markers for Root-Knot Nematode Resistant Genes in Cotton – *Dr. Peng W. Chee*
- 12) Breeding Georgia-Adapted Cotton Germplasm and Cultivars with Emphasis on Root-Knot Nematode Resistance – *Dr. Edward Lubbers/Dr. Peng W. Chee*
- 13) Soil & Plant Response to Reduced Supplemental Irrigation in Three Tillage Systems & Their Effects on Cotton Sustainability - *Dr. Wilson Faircloth*
- 14) Biological Nematicides for Cotton Production – *Dr. James P. Noe*
- 15) Using Soil & Remotely Sensed Data to Locate & Precisely Manage Nematodes by Zones – *Dr. Calvin Perry*
- 16) Evaluating Remote Sensing Tools to Monitor Cotton Response to Irrigation and Tillage Management – *Dr. Calvin Perry*
- 17) Development of a Wireless Irrigation Control System - *Dr. Craig Kvien*
- 18) Insecticide Resistance Monitoring of Heliothines in Cotton – *Dr. Greg Payne*
- 19) Importance of Natural Enemies for Stink Bug Control – *Dr. John R. Ruberson*
- 20) Strengthening Management Decisions with Stocker Cattle in Cotton-Cover Crop Systems to Increase Profitability – *Dr. Harry Schomberg*
- 21) Conservation, Profitability, and Policy – *Dr. Don Shurley*
- 22) Evaluating the Feasibility of Variable Rate Application of Nitrogen in Georgia – *Dr. George Vellidis*
- 23) Herbicide Stewardship Programs for Herbicide Resistant Cotton in Georgia – *Dr. William K. Vencill*
- 24) Development of Stink Bug Infestations in Conservation Tillage Cotton Influenced by Cover Crop and Timing of Herbicide Burndown – *Dr. John All*
- 25) Development of a Rapid Sensing Technology for Detection of Stink Bug Infestation on Cotton Bolls – *Dr. Changying Li*
- 26) Nutrient Cycling & Cover Crop Decomposition in Strip-Till & Conventional Cotton Tillage Systems – *Dr. R. Scott Tubbs*
- 27) Effect of Soil Texture on the Damage Caused to Cotton by Reniform Nematodes – *Dr. Katherine Stevenson*
- 28) Effect of Soil Texture on the Damage Caused to Cotton by Reniform Nematodes – *Dr. Richard Davis*