

August 2022

## **TINA GRAY TEAGUE**

Professor of Entomology & Plant Science  
Arkansas State University --  
University of Arkansas Agricultural Experiment Station

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### **EDUCATION**

Ph.D. Entomology, Texas A&M University, College Station  
M.S. Entomology, University of Arkansas, Fayetteville  
B.S. Zoology, University of Arkansas, Fayetteville

### **PROFESSIONAL EXPERIENCE**

Professor 1998 - present, Arkansas State University  
Adjunct Professor, 1998-present, Dept. of Entomology, University of Arkansas, Fayetteville  
Adjunct Professor 2011-2018, Dept. of Biological Sciences, University of Arkansas Little Rock  
Associate Professor 1993-1998, Arkansas State University  
Assistant Professor 1988-1993, Arkansas State University  
Research Scientist, 1986-1988, Rio Farms Agricultural Research Foundation, Monte Alto, TX  
Research Assistant, 1981-1986, Department of Entomology, Texas A&M University  
Agricultural Technician, 1979-81, Department of Entomology, University of Arkansas

### **PROFESSIONAL MEMBERSHIP [\*ELECTED MEMBERSHIP]**

Entomological Society of America  
Arkansas Entomological Society (President 1994-1995)  
Kansas Entomological Society  
Southwestern Entomological Society  
Soil and Water Conservation Society  
Agronomy Society / Crop Science Society of America  
Arkansas Crop Protection Association (Sec. 1995-97, VP '98, Pres-elect '99, President '00)  
Sigma Xi (President 1994-95, ASU Chapter) \*  
Gamma Sigma Delta\*  
Phi Kappa Phi\*

### **CURRENT RESEARCH**

My research focuses on insect pest management systems for sustainable cotton and row crop production systems in the Mississippi Delta region of Arkansas. Program objectives include evaluation and development of economically viable and environmentally sustainable tactics for

management of arthropod pests in production systems that incorporate soil and water conservation practices. I acknowledge and appreciate the on-going research funding and support from the UA System Division of Agriculture, Cotton Incorporated, the Judd Hill Foundation, USDA-ARS, USDA-NRCS.

#### **AWARDS AND HONORS:**

- Outstanding Research Award –Arkansas State University College of Agriculture - 2021
- Outstanding Conservationist – 2018. Presented at the Arkansas Soil and Water Education Conference, Jonesboro, AR, 31 January 2018.
- Cotton Researcher of the Year – 2017. Presented at the Cotton & Rice Conservation Systems Annual Meeting, Baton Rouge, LA, January 2017
- Partnership Award – Arkansas Land and Farm Development Corporation – Presented at their annual meeting, Brinkley AR 1992
- Baerg Outstanding MS Student Award – Department of Entomology, University of Arkansas 1980

#### **MAJOR COMMITTEE & SERVICE APPOINTMENTS**

- Arkansas Soil and Water Education Conference – Founder and Co-chair: 1998-2006 and 2022; Steering Committee Member 2007 – present.
- Arkansas - USDA-NRCS – State Committee, Water Quality: 2011-present
- Arkansas Boll Weevil Eradication Technical Advisory Committee, 1996 to 2009 (eradication completed).
- Southern Extension Research Activity - Information Exchange Group 23 (Boll Weevil SERA-IEG) - Secretary 1997, Chair 1998.
- Appointed by Arkansas Governor Jim Guy Tucker to the Arkansas Task Force on Food Processing and Agricultural Business, 1993-95.
- Arkansas Land and Farm Development Corporation Farming Systems Board of Advisors, 1993-94.
- Delta Community Development Corp. - Board of Directors of Morning Fresh, Inc. 1993-94.

#### **GRADUATE THESIS COMMITTEES (*MOST RECENT 7 YEARS*)**

- Soolaf Kathiar – Ph.D. Biology; 2011-2014 University of Arkansas, Little Rock (committee)
- Justin Chlapecka – MS, Agriculture 2013-2015 (advisor)
- Austin Lewis – MS, Agriculture – 2012-2015 (co-advisor with M.L. Reba)
- Erin J. Kelly – MS, Agriculture; 2012-2016 (advisor)
- Kyle Wilson-MS, Plant Pathology, 2014-2016 University of Arkansas (committee)
- Ray Benson – Ph.D. EVS – 2014-present (advisor)
- Brittany Barnes – MS, Agriculture – 2015-2022 (co-advisor with M.L. Reba)
- Hunter Wood – MS, Agriculture – 2017-2019 (co-advisor with M.A.A. Adviento-Borbe)

## **TECHNICAL REVIEW PANELS**

USDA NIFA SBIR Technical Review Panel-Plant Production & Protection–Engineering. 2016-17  
USDA-ARS National Program 304: Crop Protection & Quarantine, Scientific Quality Review  
Panel 2015  
Fulbright Council for International Exchange of Scholars - Specialist Program Reviewer 2010-  
2013  
USDA SARE – Southern Region Technical Review Panel 2004-2006  
USDA National Pest Management Alternative Program Review Panel 2001  
USDA SARE – Southern Region Technical Review Panel, 1993-95

## **PUBLIC SCHOOLS STEM TEACHERS - ARKANSAS STRIVE**

Research & Public School Partnerships through the University of Arkansas Little Rock  
[https://ualr.edu/strive/previous\\_partnerships/](https://ualr.edu/strive/previous_partnerships/)  
Kristen Edwards (Lee County High School - 1996); Michele Guinn (Paragould High School-  
2006); Jessica Horton (Westside Jr. High School, 2010); Ashleah Farley (Trumann High  
School 2014).

## **RESEARCH GRANTS**

Teague, T.G., M.L. Reba, & M.A.A. Adviento-Borbe. 2022. (\$40,000). Pest Management in cotton  
conservation production systems. Cotton Incorporated, Raleigh, NC.  
Teague, T.G., N.R. Wilson, J. Nowlin. 2022-2023. (\$20,000) Optimizing Fertilizer Management in  
Arkansas Cotton in Rotation with Peanut. Arkansas Soil Testing and Research Fund.  
Teague, T.G., M.L. Reba, & M.A.A. Adviento-Borbe. 2021. (\$40,000). Pest Management in cotton  
conservation production systems. Cotton Incorporated, Raleigh, NC.  
Wilson, C, T.G. Teague, J. Nowlin. 2021-2022. (\$20,000) Optimizing Fertilizer Management in  
Arkansas Cotton in Rotation with Peanut. Arkansas Soil Testing and Research Fund.  
Wilson, C, T.G. Teague, J. Nowlin. 2021-2023. (\$30,000) Optimizing Fertilizer Management Peanut  
Production Systems in Arkansas. Arkansas Peanut Growers' Association Research Fund.  
Teague, T.G. and M.L. Reba, 2020-2022. (\$1,070,855 - Federal \$674,915 & in-kind \$395,940)  
Quantifying Effectiveness of Conservation Practices Using Edge-of-Field Monitoring. USDA-  
ARS Technology Assistance Grant.  
Teague, T.G., M.L. Reba, and M.A.A. Adviento-Borbe. 2020. (\$40,000). Optimizing Integrated Pest  
Management Tactics in Cotton Production Systems that Incorporate Soil & Water Conservation  
Practices. Cotton Incorporated, Raleigh, NC.  
Adviento-Borbe, M.A.A., T.G. Teague, and M.L. Reba. 2020-2022. (\$45,000). Conservation practices  
for reducing water quality impairment, yield losses, and global warming potentials in cotton  
production. Arkansas State Support Committee, Raleigh, NC.  
Reba, M. L., T.G. Teague, and N.R. Benson (\$43,000). 2019. Technology Integration to Improve  
Irrigation Efficiency in Arkansas Soybean Production. Arkansas Soybean Promotion Board.

- Adviento-Borbe, M.A.A., M.L. Reba, and T.G. Teague. 2019. (\$5,000). Influence of tillage practices on water quality of irrigation runoff in cotton production. Arkansas State Support Committee, Raleigh, NC.
- Runkle, B, M.L. Reba, T.G. Teague. 2019. (\$5,000). Eddy covariance measurements of carbon dioxide and water fluxes in Midsouth cotton. Cotton Incorporated, Raleigh, NC.
- Teague, T.G. and M.L. Reba. 2018-2022 (\$180,312) Edge of Field Water Quality Monitoring on Clark and Sons Farms in Cooperation with USDA-NRCS and the Mississippi River Basin Healthy Water Initiative Washington, D.C.
- Teague, T.G., M.L. Reba, and M.A.A. Adviento-Borbe. 2018. (\$40,000). Optimizing Integrated Pest Management Tactics in Cotton Production Systems that Incorporate Soil & Water Conservation Practices Cotton Incorporated, Raleigh, NC.
- Adviento-Borbe, M.A.A., M.L. Reba, and T.G. Teague. 2018. (\$5,000). Influence of tillage practices on water quality of irrigation runoff in cotton production. Arkansas State Support Committee, Raleigh, NC.
- Reba, M. L., T.G. Teague, and N.R. Benson (\$43,000). 2018. Technology Integration to Improve Irrigation Efficiency in Arkansas Soybean Production. Arkansas Soybean Promotion Board.
- Teague, T.G., M.L. Reba, D. K. Morris, and Ray Benson. 2017. (\$30,000). Cultural Control Tactics in IPM to Reduce Crop Protection Costs in Cotton. Cotton Incorporated, Raleigh, NC.
- Teague, T.G., M.L. Reba, M.A.A. Adviento-Borbe, N. Aryal, D.K. Morris, R. Benson. 2017. (\$15,000). On-Farm Water, Soil and Plant Monitoring to Improve Cotton Sustainability. Cotton Incorporated, Raleigh, NC.
- Reba, M. L., T.G. Teague, N.R. Benson and J.L. Chlapecka (\$43,000). 2017. Technology Integration to Improve Irrigation Efficiency in Arkansas Soybean Production. Arkansas Soybean Promotion Board.
- Adviento-Borbe, M.A.A., M.L. Reba, B. Robertson, and T.G. Teague. 2017. (\$15,000). Influence of tillage practices on water quality of irrigation runoff and total N loss in a cotton production. Arkansas State Support Committee, Raleigh, NC.
- Reba, M.L., T.G. Teague, B. Robertson, M.A.A. Adviento-Borbe, & N. Aryal. 2017. (\$17,000). Improving Research Capacity for Nutrient Management & Irrigation Research in Arkansas Cotton. Cotton Incorporated, Arkansas State Support Committee, Raleigh, NC.
- Robertson, B., T.G. Teague, and T. Barber. 2017. (\$15,000). Cereal Rye Cover Crop Termination Timing. Arkansas State Support Committee, Cary, NC.
- Teague, T.G., M.L. Reba, D. K. Morris. 2016. (\$30,000). Cultural Control Tactics in IPM to Reduce Crop Protection Costs in Cotton. Cotton Incorporated, Raleigh, NC.
- Teague, T.G., M.L. Reba, and M.A.A. Adviento-Borbe. 2016. (\$20,000). On-Farm Water, Soil and Plant Monitoring to Improve Cotton Sustainability. Cotton Incorporated, Raleigh, NC.
- Reba, M.L., M.A.A. Adviento-Borbe, and T.G. Teague. 2016. (\$5,000). Water Quality Monitoring to Improve Cotton Sustainability. Cotton Incorporated, Arkansas State Support Committee, Fayetteville, AR.
- Teague, T.G. and M.L. Reba. 2016-2020 (\$90,312) Edge of Field Water Quality Monitoring on Gordon Miller (Craighead) Farms Partnership in Cooperation with USDA-NRCS and the Mississippi River Basin Healthy Water Initiative. Washington, D.C.

- Teague, T.G. and M.L. Reba. 2016-2020 (\$102,956) Edge of Field Water Quality Monitoring on S&R Farms (Poinsett County) in Cooperation with USDA-NRCS and the Mississippi River Basin Healthy Water Initiative. Washington, D.C.
- Reba, M. L., T.G. Teague and E.J. Vories. 2016. (\$22,000). Plant, soil and weather based cues for irrigation timing in soybean production. Arkansas Soybean Promotion Board.
- Reba, M. L. and T.G. Teague. 2016. (\$13,620). Increasing yield through irrigation management and improving infiltration. Cotton Incorporated Arkansas State Support Committee.
- Teague, T.G. and M.L. Reba. 2015-2020 (\$88,848) Edge of Field Water Quality Monitoring on Wildy Farms (Mississippi County) in Cooperation with USDA-NRCS and the Mississippi River Basin Healthy Water Initiative. Washington, D.C.
- Teague, T.G., M.L. Reba, C.R. Shumway & D. K. Morris. 2015. (\$30,000). Cultural Control Tactics in IPM to Reduce Crop Protection Costs in Cotton. Cotton Incorporated, Raleigh, NC.
- Teague, T.G., D. K. Morris, M.L. Reba, and E. Vories, K. 2015. (\$15,000). On-Farm Water, Soil and Plant Monitoring to Improve Cotton Sustainability. Cotton Incorporated, Raleigh, NC.
- Reba, M. L., T.G. Teague and E.J. Vories. 2015. (\$22,000). Plant, soil and weather-based cues for irrigation timing in soybean production. Arkansas Soybean Promotion Board.
- Reba, M. L. and T.G. Teague. 2015. (\$13,620). Increasing yield through irrigation management and improving infiltration. Cotton Incorporated Arkansas State Support Committee.
- Teague, T.G. and M.L. Reba. 2015. (\$5,000). On farm validation of the Field Print Calculator in cotton. The Cotton Foundation. Memphis, TN.
- Teague, T.G. and M.L. Reba 2014. (\$10,000) Future Scientist's Program for Northeast Arkansas Teachers - Judd Hill Foundation, Trumann, AR.
- Teague, T.G., C.R. Shumway, D.K. Morris, M.L. Reba. 2014. (\$30,000). Integrating Soil and Water Conservation and Pest Management strategies for Sustainable Cotton Production. Cotton Incorporated, Raleigh, NC.
- Teague, T.G., C.R. Shumway, D.K. Morris, M.L. Reba, E. Vories, and K. Fisher. 2014. (\$20,000). On-Farm Water, Soil and Plant Monitoring to Improve Cotton Sustainability. Cotton Incorporated, Raleigh, NC.
- Bourland, F.M, and T.G. Teague, G. Studebaker. 2014 (\$18,000). Evaluation and Utilization of Resistance to Tarnished Plant Bug in Cotton. Cotton Incorporated, Raleigh, NC.
- Teague, T.G. and M.L. Reba. 2014. (\$5,000). On farm validation of the Field Print Calculator in cotton. The Cotton Foundation. Memphis, TN.
- Reba, M.L. and T.G. Teague. 2014. (\$20,00). Increasing Cotton Yield through Irrigation Management. Cotton Incorporated State Support Committee.
- Teague, T.G. and M.L. Reba. 2014-2016. (\$51,463). USDA NRCS: Edge of Field Water Quality Monitoring in Support of the Little River Ditches Nutrient Loss Reduction MRBI/CCPI Pilot Project. Poinsett Co. Conservation District.
- Reba, M.L. and T.G. Teague. 2014. (\$25,000) Plant, soil and weather based cues for irrigation timing in soybean production. Arkansas State Soybean Promotion Board.
- Daniels, Mike, Michele Reba, Dennis Busch, Andrew Sharpley, Chris Henry, Yushun Chen, Jennifer Bouldin, Tina Gray Teague and Dewayne Johnson. 2012-2015. Building the capacity for edge-of-field monitoring of conservation through field demonstration, regional coordination, training and

- outreach. USDA Conservation Innovation Grant. 2013-2015 (Federal \$969, 295 (in-kind \$969,300; Total \$1,978,596).
- Teague, T.G., M.L. Reba., C. Henry, E. Vories, Chris DeClerk, Robby Harpole, and Chris Culver. 2012-2015. Demonstration and validation of irrigation management tools to preserve water availability for row crop agriculture. USDA-NRCS Conservation Innovation Grant – Arkansas (\$150,000 with cash contributions from Judd Hill Foundation (\$12,000) Delta Plastics (\$10,000), ASU COAT (\$4,000) & Soybean Promotion Board (\$11,500).
- Teague, T.G., C.R. Shumway, D. K. Morris, Bouldin, J.L. 2011-2014 Integrating Soil, Crop and Pest Monitoring Using Spatial Technology on Arkansas Cotton Farms to Achieve Nutrient Loss Reduction. USDA-NRCS, Conservation Innovation Grant. (\$184,214)
- Northeast Arkansas Conservation Districts, Charles Glover, President [awardee] with writing team R. Cripps, T.G. Teague, J. L. Bouldin, 2011-2014. (\$3,093,614). USDA NRCS CCPI: Mississippi River Basin Healthy Watershed Initiative (MRBI) Project: Little River Ditches Nutrient Loss Reduction Project. Funded (all funds go to NEA producers).
- Northeast Arkansas Conservation Districts, Charles Glover, President [awardee] with writing team R. Cripps, T.G. Teague, J. L. Bouldin. 2011-2014. (\$2,908,836). USDA NRCS CCPI: Mississippi River Basin Healthy Watershed Initiative (MRBI) Project: Lower St. Francis Nutrient Loss Reduction Project. (all funds go to NEA producers)
- Teague, T.G., C. R. Shumway, D. K. Morris, M. L. Reba. 2013. (\$40,000). Integrating Soil and Water Conservation and Pest Management strategies for Sustainable Cotton Production. Cotton Incorporated, Raleigh, NC.
- Bourland, F.M, and T. G. Teague, G. Studebaker. 2013 (\$27,000). Evaluation and Utilization of Resistance to Tarnished Plant Bug in Cotton. Cotton Incorporated, Raleigh, NC.
- Teague, T.G., C. R. Shumway, D. K. Morris, M. L. Reba, Vories, E, Fisher, K, and J. Bouldin. 2013.(\$20,000). On-Farm Water, Soil and Plant Monitoring to Improve Cotton Sustainability. Cotton Incorporated, Raliegh, NC.
- Teague, T.G. and M.L. Reba. 2013. (\$5,000). On-farm validation of the Field Print Calculator in cotton. Cotton Foundation. Memphis, TN.
- Teague, T.G., C. R. Shumway, D. K. Morris, L. Espinoza, M.L. Reba. 2012. Integrating Soil and Water Conservation and Pest Management strategies for Sustainable Cotton Production. Cotton Incorporated Core. 2012 (\$40,000).
- Teague, T.G., C. R. Shumway, D. K. Morris, L. Espinoza, J.L. Bouldin. 2011. Integrating Soil and Water Conservation and Pest Management strategies for Sustainable Cotton Production. Cotton Incorporated Core. (\$40,000).
- Teague, T.G., F.M. Bourland, J. Bouldin, S. Green, C. Shumway, K. Morris, M. Mozaffari, C. Rothrock, L.L. Nalley, 2011. Integrating Soil and Plant Monitoring to Improve Soil & Water Conservation for Sustainable Cotton Production 2011-12 (\$60,000)
- Bouldin, J.L., Teague, T.G., Reba, M., Warby, R.A.F. 2011-2013. Arkansas Natural Resources Commission. Little River Ditches Watershed Monitoring -- (\$222,928)
- Teague, T.G., S. Green, J. Bouldin, C. Shumway. 2010. Integrating Soil and Water Conservation and Pest Management strategies for Sustainable Cotton Production. Cotton Incorporated Core. (\$40,000)

- Teague, T.G., F.M. Bourland, J. Bouldin, S. Green, C. Shumway, K. Morris, M. Mozaffari, C. Rothrock, L.L. Nalley, 2010. Integrating Soil and Plant Monitoring to Improve Soil & Water Conservation for Sustainable Cotton Production. Cotton Incorporated State Support Committee. 2010-2012 \$120,000
- Bourland, F.M., D. Studebaker and T.G. Teague. 2009-2012. Evaluation and utilization of resistance to tarnished plant bug in cotton. Cotton Incorporated National Core Fund. \$96,000.
- Teague, T.G., S. Green, J. Bouldin, C. Shumway. 2009. Integrating Soil and Water Conservation and Pest Management strategies for Sustainable Cotton Production. Cotton Incorporated Core. (\$40,000)
- Teague, T.G., S. Green, J. Bouldin, C. Shumway. 2008. Integrating Soil and Water Conservation and Pest Management strategies for Sustainable Cotton Production. Cotton Incorporated Core. (\$40,000)
- Teague, T.G. 2007-2009. Interactions of Irrigation and Insect Pests: Crop Vigor and Compensation Following Stress (\$26,544 /year for 3 years).
- Teague, T. G. 2006. Validation of the COTMAN Termination Rules for Irrigation: Cotton Incorporated Core. \$15,000 (1 yr)
- Bourland, F.M., D. Studebaker and T.G. Teague. 2006-2008. Evaluation and utilization of resistance to tarnished plant bug in cotton. Cotton Incorporated National Core Fund. \$71,000 (3 yr).
- Teague, T.G. Using crop maturity measures to time final furrow irrigation in cotton. Judd Hill Foundation \$10,000 (1 yr).
- Steinkraus, Don and T.G. Teague. 2005. Trap crops and biopesticides for tarnished plant bug control to reduce reliance on organophosphate insecticides in Midsouth cotton. USDA – Pest Management Alternatives Program. \$111,373 (2 yr).
- Vories, Earl, T. G. Teague, Jeremy Greene, William Robertson, Phil Tacker, Ernie Clawson, Bobby Phipps, Chris Sansone, Tommy Doederlein, Lyle Pringle. 2005. Determining the Optimum Timing for the Final Furrow Irrigation on Cotton Based on Crop Monitoring. Cotton Incorporated National Core Fund. \$7,000 (1yr)
- Teague, T.G., Mark Cochran , Diana Danforth, Scott Stiles, Jason Stewart , Earl Vories, Randy Luttrell. 2004. Interactions of Irrigation and Insect Pests: Late Season Crop Susceptibility to Plant Bugs and Stink Bugs in High-Yielding Cotton Production Systems. Cotton Incorporated Arkansas State Support Committee \$59,469 (3 yr)
- Teague, T.G., D. M. Oosterhuis, D. M. Danforth, Scott Stiles. 2003. Crop stress indices, system management style and cultivar control for fiber quality and yield stability. Cotton Incorporated Arkansas State Support Committee \$42,000 (3 yr)
- Teague, T.G. 2002. Validation of the break-even shed rate component of COTMAN: Cotton Incorporated National Core Fund. \$22,500 (3 yr)
- Teague, T.G. 2002. Validation of the COTMAN Insecticide Termination Decision Rule. Cotton Incorporated National Core Fund \$15,800 (3 yr)
- Teague, T.G., D. M. Oosterhuis, and D. M. Danforth. 2002. A New Crop Monitoring Indicator of Pending Stress in Cotton. Cotton Incorporated Arkansas State Support Committee \$10,000 (1 yr)
- Luttrell R.G. and T. G. Teague. 2002. Large Farm Variability in COTMAN and Cotton Insect Management Records: A Foundation for Community-Wide Management Systems. Cotton Incorporated National Core Fund \$54,000 (3 yr).

- Tugwell, N.P., D. M. Oosterhuis, T. G. Teague and D. M. Danforth. 2001. A New Crop Monitoring Indicator of Pending Stress in Cotton. Cotton Incorporated Arkansas State Support Committee \$10,000 (1 yr)
- Tugwell, N.P. and T. G. Teague. 2001. Validation of the break-even shed rate component of COTMAN: Arkansas. Cotton Incorporated National Core Fund. \$17,500 (1 yr)
- Tugwell, N.P., D. M. Oosterhuis, T. G. Teague and D. M. Danforth. 2000. A New Crop Monitoring Indicator of Pending Stress in Cotton. Cotton Incorporated Arkansas State Support Committee \$10,000 (1 yr)
- Tugwell, N.P., D. M. Oosterhuis, T. G. Teague. 2000. Validation of the break-even shed rate component of COTMAN: Arkansas \$3,400 (1 yr). Cotton Incorporated Core Funding.
- Teague, T.G., N. P. Tugwell and W. C. Yearian. 1997-99. Implementation and field evaluation of alternative boll weevil eradication methodologies and technologies. Cotton Incorporated Arkansas State Support Committee \$261,800 (3 yrs.)
- Tugwell, N. P. and T. G. Teague. 1996. BAIT STICK: A pheromone-based tactic for use in an eradication strategy for regions with low boll weevil infestations. Cotton Incorporated. \$24,500 (1 yr)
- Teague, T. G. 1996. Soil conservation and crop production/insect pest management in cotton - demonstrations on the Judd Hill Plantation. Judd Hill Foundation, Judd Hill, AR. \$60,000 (3 yr.).
- Dabney, S. and Teague, T. G. 1996. Soil conservation and pest management impacts of grass hedges. United States Department of Agriculture, Sustainable Agriculture Research and Education Program, Southern Region: \$145,000 (3 yr.).
- Yearian, W. C., Teague, T. G., N. P. Tugwell, D. Johnson. 1996. Identifying and mapping over wintering habitat for enhancing success of alternative tactics of boll weevil eradication. Cotton Incorporated State Support Committee. \$154,000 (1 yr).
- Teague, T. G., N. P. Tugwell, and D. A. Johnson. 1995. Integration of boll weevil aggregation and suppression technology into the eradication program. Cotton Incorporated - State Support Committee. \$20,000, (1 yr.).
- Teague, T. G. (Project Coordinator) 1992. Organic soil amendments of agricultural by-products for vegetable production systems in the Mississippi Delta Region. United States Department of Agriculture, Sustainable Agriculture Research and Education Program, Southern Region: \$140,000 (3 yr.).
- Carson, Janet, Seth Dabney, T.G. Teague et al. 1992. Habitat enhancement for beneficial insects in vegetable production systems. United States Department of Agriculture, Sustainable Agriculture Research and Education Program, Southern Region: \$200,000 (3 yrs).

## **PUBLICATIONS**

### ***Book Chapters (invited)***

- Teague, T.G. 2016. Plant-insect interactions and cotton development. pp 21-65 *In*: J. Snider and D.M. Oosterhuis (Eds.), Linking Physiology to Management. Cotton Foundation Reference Book. The Cotton Foundation. Cordova, TN, USA.
- Luttrell, R.L., T.G. Teague, M.J. Brewer. 2015. Cotton insect pest management. *In*: D. Fang (Ed.), Cotton. (Agronomy Monograph no. 24, 2<sup>nd</sup> edition). American Society of Agronomy, Inc., Crop

Science Society of America, Inc., Soil Science Society of America, Inc., Publishers, Madison, WI, USA.

Teague, T.G. and F.M. Bourland. Plant monitoring and pest assessment. *In*: J.E. Woodward, T. Kirkpatrick and C. Rothrock (Eds.) Compendium of Cotton Diseases, 3rd Edition. America Phytopathological Society Press. St. Paul, MN. (*In Press*).

### ***Journals and Proceedings Papers***

Teague, T.G and N.R. Benson. 2022. Interactions of early and late season insect pest control in cotton grown in different cover crop systems with different seeding rates. *In*: F.M. Bourland (Ed.), Summaries of Arkansas Cotton Research 2022, Arkansas Agricultural Experiment Station Research Series. *in press*.

Teague, T.G., A.M. Mann, N.R. Benson, J.W. Nowlin. 2022. Thrips injury, seeding rate, and cover crop management effects on maturity and yield of Midsouth cotton. pp 601-615 *In*: S. Boyd, M. Huffman, L. Krogman, and A. Sarkissian (Eds.), Proc. of the 2022 Beltwide Cotton Conferences, National Cotton Council, Memphis, TN.

Teague, T.G. N.R. Benson, J. Nowlin, and C. Wilson. 2022. Cotton response to sidedress Nitrogen fertilizer when grown in a cotton-peanut rotation. pp 83-90 *In*: N.A. Slaton (ed.). W.E. Sabbe Arkansas Soil Fertility Studies 2021. University of Arkansas Agricultural Experiment Station Research Series Fayetteville.

Teague, T.G. Insecticide termination in cotton: Plant monitoring to know when to quit. *forthcoming*: Volume 16 (reports for 2022) Plant Disease Management Reports, The American Psychopathological Society, St. Paul, Minn.

Teague, T.G., A.M. Mann, A.J. Baker, N.R. Benson, J.W. Nowlin. 2021. Interactions of Nitrogen Fertilizer, Cotton Seeding Rate, and Late Season Insecticide for Tarnished Plant Bug Control in Midsouth Cotton. pp. 568-577 *In*: S. Boyd, M. Huffman, L. Krogman, and A. Sarkissian (Eds.), Proc. of the 2021 Beltwide Cotton Conferences, National Cotton Council, Memphis, TN.

Delhom, C.D, King, H.A, C.B. Armijo, M. Uloa, J.R. Mahan, T.G. Teague, E.F. Hequet, E.M. Barnes, N. Kothari, R.W. Kurtz, G. Morgan, B. Vandenberg, L. Messinger G. Zoch, M.D. Buser. 2021. Partnerships for data innovation (PDI) Cotton – Tools and Dashboards. Proc. of the 2021 Beltwide Cotton Conferences, National Cotton Council, Memphis, TN. pp. 384-388 *In*: S. Boyd, M. Huffman, L. Krogman, and A. Sarkissian (Eds.), Proc. of the 2021 Beltwide Cotton Conferences, National Cotton Council, Memphis, TN.

Teague, T.G, J. Krob, A.J. Baker, J. Nowlin, and N.R. Benson. 2020. Interactions of cotton seeding rate, cover crop termination timing and pest insect control. pp.90-99 *In*: F.M. Bourland (Ed.), Summaries of Arkansas Cotton Research 2020, Arkansas Agricultural Experiment Station Research Series 668.

Teague, T.G., N.R. Benson, J. Krob, A.J. Baker, and J. Nowlin. 2020. On-farm evaluation of reduced cotton seeding rates in a Mid-South system incorporating a winter cover crop with two termination times. pp. 614-627 *In*: S. Boyd, M. Huffman, L. Krogman, and A. Sarkissian (Eds.), Proc. of the 2020 Beltwide Cotton Conferences, National Cotton Council, Memphis, TN.

Teague, T.G., N.R. Benson, A.J. Baker, and M.L. Reba. 2020. Irrigation termination timing and interactions with crop protectants in northeast Arkansas soybean. pp. 215-219 *In*: J. Ross (Ed), Arkansas Soybean Research Studies 2019. Arkansas Agricultural Experiment Station Research Series. 670.

- Fong, B.N, M.L. Reba, T.G. Teague, B.R.K. Runkle, K. Suvocarev. 2020. Eddy covariance measurements of carbon dioxide and water fluxes in US mid-south cotton production. *Agriculture, Ecosystems & Environment* v. 292 pp.106813.
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## PRESENTED PAPERS

- Adviento-Borbe A.A., S. Karki, T.G. Teague, M.L. Reba. 2022. Multiple conservation practices for reducing greenhouse gas emissions in irrigated cotton. Beltwide Cotton Conference, San Antonio, TX, 4-6 January 2022.
- Teague, T.G., A.M. Mann, N.R. Benson, J.W. Nowlin. 2022. Thrips injury, seeding rate, and cover crop management effects on maturity and yield of Midsouth cotton. Beltwide Cotton Conference, San Antonio, TX, 4-6 January 2022.
- Teague, T.G., A.M. Mann, A.J. Baker, N.R. Benson, J.W. Nowlin. 2021. Interactions of Nitrogen Fertilizer, Cotton Seeding Rate, and Late Season Insecticide for Tarnished Plant Bug Control in Midsouth Cotton. Beltwide Cotton Conference, Virtual, 5-8 January 2021.
- Teague, T.G. 2021. Partnerships for Data Innovation (PDI) Cotton – Cotton Monitoring and Mapping Data Collection. Precision Agriculture Special Meeting / Beltwide Cotton Conference, Virtual, 8 January 2021.
- Adviento-Borbe, M.A.A., B.M. Levenbach, R. Woodruff, T.G. Teague, and M.L. Reba. 2021. Management Practices for Reducing Sediment Losses in Arkansas Cotton. Beltwide Cotton Conference, Virtual, 5-8 January 2021.
- Adviento-Borbe, M.A.A., Sandhya Karki, M.L. Reba, and T.G. Teague. 2021. Impacts of Conservation Practices and Irrigation on Greenhouse Gas Emissions in Mid-South Cotton. Beltwide Cotton Conference, Virtual, 5-8 January 2021.
- Barnes, E.M, G. Morgan, R.W. Kurtz, T.G. Teague, C.D. Delhom, M.D. Buser, M. Ulloa, J.R. Mahan. 2020. Partnerships for Data Innovation (PDI) Cotton - the Potential for Precision Data Collection and Aggregation. Beltwide Cotton Conference, Virtual, 5-8 January 2021.
- Kurtz, R.W., E. Barnes, G. Morgan, T.G. Teague, C.D. Delhom, M.D. Buser, M. Ulloa, J.R. Mahan. 2020. Partnerships for Data Innovation (PDI) Cotton - the Potential for Entomological Data Collection and Aggregation. Beltwide Cotton Conference, Virtual, 5-8 January 2021.
- Morgan, G., E. Barnes, Kurtz, R.W., T.G. Teague, C.D. Delhom, M.D. Buser, M. Ulloa, J.R. Mahan. 2020. Partnerships for Data Innovation (PDI) Cotton - Opportunities for Agronomic and Variety Data Aggregation and Visualization. Beltwide Cotton Conference, Virtual, 5-8 January 2021.
- Ullona, M., J.R. Mahan, C.D. Delhome, Barnes, E.M, G. Morgan, R.W. Kurtz, T.G. Teague, L. Messinger, G. Zoch, B. Vandenberg, and M.D. Buser. Partnerships for Data Innovation (PDI) Cotton 2021. Partnerships for Data Innovation (PDI) Cotton - the Potential for Precision Data Collection and Aggregation. Beltwide Cotton Conference, Virtual, 5-8 January 2021.

- Teague, T.G., A. Mann, A.J. Baker, N.R. Benson, and J. Nowlin. 2020. Factors Affecting Tarnished Plant Bug Spatial Dispersion Patterns and Feeding Injury Associated in Mid-south Cotton -- Implications for Zone Management. 2020 Entomological Society of America Annual Meeting, 17-20 November 2020, Virtual.
- Teague, T.G., J.L. Krob, J. Nowlin, A.J. Baker, and N.R. Benson. 2020. On-farm evaluation of reduced cotton seeding rates in a Mid-South system incorporating a cereal rye winter cover crop with different termination timings. Beltwide Cotton Conference, Austin, TX, 7-10 January 2020.
- Teague, T.G. 2020. Reducing control costs for tarnished plant bug in Mid-South cotton: Practical opportunities using management zones. Beltwide Cotton Conference, Austin, TX, 7-10 January 2020.
- Reba, M.L., B.N. Fong, T.G. Teague, M. A. A. Adviento-Borbe, and B. K. Runkle. US Mid-South cotton ecosystem respiration measurements. Beltwide Cotton Conference, Austin, TX, 7-10 January 2020.
- Adviento-Borbe, M.A.A., R. Woodruff, M.L. Reba, J. Massey and T.G. Teague. 2020. Contribution of conservation practices to water quality in Arkansas cotton: Results of a 2-year study. Beltwide Cotton Conference, Austin, TX, 7-10 January 2020.
- Krob, J.L., A.J. Baker, T.G. Teague. 2019. Influence of seeding rates and termination timing of winter cover crops on insect pest abundance in Midsouth cotton. 2019 Entomological Society of America Annual Meeting, 17-20 November 2019, St. Louis, MO.
- Runkel, B., Fong, B.N., M.L. Reba, and T.G. Teague. 2019. Eddy Covariance measurements of water and carbon dioxide fluxes in Mid-South US cotton. Beltwide Cotton Conference, New Orleans, LA, 8-10 January 2019.
- Teague, T.G. 2019. Pest management considerations in Midsouth cotton production systems that incorporate soil & water conservation practices. Beltwide Cotton Conference, New Orleans, LA, 8-10 January 2019.
- Teague, T.G., K.D. Wilson, N.R. Benson, H. Campbell, J. Nowlin, and B. Robertson. 2019. Seeding rate and winter cover crop effects on maturity and yield of Arkansas cotton. Beltwide Cotton Conference, New Orleans, LA, 8-10 January 2019.
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- Wood, H.K., M.A.A. Adviento-Borbe, M.L. Reba, B. Robertson and T.G. Teague. 2018. Influence of Furrow Tillage and Nitrogen Fertilizer Management on Water Quality, Soil Nitrogen Dynamics, and Lint Yield in NE Arkansas Irrigated Cotton Production. 2018 Agronomy Society of America, CSSA and CSA Annual Meeting, 4-7 November 2018, Baltimore, MD.
- Campbell, H.K., K. D. Wilson, A.M.H. Mann, M.L. Reba, & T.G. Teague. 2018. Variation in soil moisture levels in no-till, cover crop, and conventional tillage systems in NE Arkansas cotton. Presentation to the 102<sup>nd</sup> Meeting of the Arkansas Academy of Science, 6-7 April 2018, Jonesboro, AR.
- Wilson, K.D., T.G. Teague, A.M.H. Mann, and T. Faske. 2018. Cotton yield response to nematicide applications across spatially variable soil textures in NE Arkansas. Southern Region Phytopathological Society Annual Meeting, Fayetteville, AR, 16-18 February 2018.

- Campbell, Haylee, K.D. Wilson, A.M.H. Mann, T.G. Teague, 2018. Validation of insect control termination timing in Arkansas Cotton. Annual Meeting of the Arkansas Entomological Society. Fayetteville, AR, 17 February 2018.
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- Campbell, Haylee, K.D. Wilson, A.M.H. Mann, T.G. Teague, 2018. Validation of insect control termination timing in Arkansas Cotton. STEM posters at the Capital, Little Rock AR, 14 February 2018.
- Teague, T.G., A.H. Mann, and M.L. Reba. 2018. Soil & water conservation practices in Arkansas cotton – Interactions with cultural control tactics in IPM. Beltwide Cotton Conference, San Antonio, TX, 3-5 January 2018.
- Wilson, K.D., T.G. Teague, A.M.H. Mann, and T. Faske. 2018. Cotton and pest response to nematicide-insecticide combinations applied at planting across different soil textures in a spatially variable field - Year II. Beltwide Cotton Conference, San Antonio, TX, 3-5 January 2018.
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- Wood, H.K., M.A.A. Adviento-Borbe, M.L. Reba, B. Robertson and T.G. Teague. 2018. Soil exchangeable Nitrogen retention at various soil depths in irrigated cotton production. 2018. Beltwide Cotton Conference, San Antonio, TX, 3-5 January 2018.
- Adviento-Borbe, M.A.A., M.L. Reba, B. Robertson, and T.G. Teague. 2018. Water Quality of surface runoff and lint yield in irrigated cotton. Production Beltwide Cotton Conference, San Antonio, TX, 3-5 January 2018.
- Teague, T.G. 2017. Plant monitoring for crop termination decisions in US Midsouth cotton. 2017 Australian Cotton Research Conference, Canberra, Australia, 5-7 September, 2017.
- Mann, A.M., B. Barnes, T. Faske, T.G. Teague, 2017. Cotton and pest response to in-furrow nematicide-insecticide combinations applied at-planting across different soil textures in a spatially variable field. Annual Meeting of the Southeastern Branch, Entomological Society of America, Memphis, TN, 12-15 March 2017
- Abiento-Borbe, M.A. A., B. Barnes, A.M. H. Mann, O. Iseyemi, M.L. Reba, B. Robertson, and T.G. Teague. 2017. Tillage and N Management Practices Impact Water Quality of Runoff Water in Irrigated Cotton Systems. Beltwide Cotton Conference, Dallas, TX, 4-6 January 2017.
- Barnes, B.D., T.G. Teague and M.L. Reba. 2017. Evaluation of polyacrylamide on irrigation efficiency, soil conservation, and water quality in furrow irrigated Mid-South cotton production. Beltwide Cotton Conference, Dallas, TX, 4-6 January 2017.
- Mann, A.M., M.L. Reba, and Teague, T.G. 2017. Irrigation and Cultivar Effects in No-till, Cover Crop, and Conventional Tillage Systems in Arkansas Cotton. Beltwide Cotton Conference, Dallas, TX, 4-6 January 2017.
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- Benson, N.R., A.H. Mann, D.K. Morris, T.G. Teague. 2016. Seeding rate decisions and impacts on spatial yield variability in Northeast Arkansas Cotton. Beltwide Cotton Conference, New Orleans, LA, 5-7 January 2016.
- Barnes, B., T.G. Teague, and M.L. Reba. 2016. Impacts of Polyacrylamide (PAM) in irrigation management and to improve water quality. Beltwide Cotton Conference, New Orleans, LA, 5-7 January 2016.
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- Teague, T.G. 2016. Zone management to reduce costs for insecticidal control of *Lygus lineolaris* in Midsouth US cotton. World Cotton Congress-VI, Goiania, Brazil, 2-6 May 2016.
- Teague, T.G. 2016. Zone Management - Is it practical for insect pest control in Midsouth cotton? Beltwide Cotton Conference, New Orleans, LA, 5-7 January 2016.
- Teague, T.G. and D.K. Morris. 2015. Zone Management Approaches in IPM of Tarnished Plant Bug in Midsouth Cotton. Annual Meeting of the Entomological Society of America in conjunction with the Annual Meeting of the ASA-CSSA-SSSA. Minneapolis, Minnesota, 15-18 November 2015.
- Chlapecka, J.L., A.H. Mann, N.R. Benson, M.L. Reba, D.K. Morris, T.G. Teague. 2015. Soybean irrigation initiation timing using evapotranspiration and soil moisture sensor cues. Annual Meeting of the ASA-CSSA-SSSA. Minneapolis, Minnesota, 15-18 November 2015.
- Benson, N.R., A.H. Mann, D.K. Morris, T.G. Teague. 2015. Site specific management in cotton: seeding rates in a highly variable field in Northeast Arkansas Annual Meeting of the ASA-CSSA-SSSA. Minneapolis, Minnesota, 15-18 November 2015.
- Barnes, B.D., T.G. Teague, M.L. Reba. 2015. Impacts and benefits of polyacrylamide (PAM) on irrigation management, soil conservation, and water quality in Midsouth cotton production. Annual Meeting of the ASA-CSSA-SSSA. Minneapolis, Minnesota, 15-18 November 2015.
- Teague, T.G. and D.K. Morris. 2015. Zone management & cotton IPM: Late season control of *Lygus lineolaris*. 8<sup>th</sup> International integrated Pest Management Symposium. Salt Lake City, Utah, 23-26 March 2015.
- Teague, T.G., E.J. Kelly, and A.W. Fisher, 2015. Influence of tillage system & irrigation initiation timing on susceptibility of three cotton cultivars to tarnished plant bug- Year II. Beltwide Cotton Conference, San Antonio, TX, 5-7 January 2015.
- Teague, T.G., D.K. Morris and D. Wildy 2015. Selective application timing for late season tarnished plant bug control in irrigated and rainfed management zones in center pivot irrigated cotton. Beltwide Cotton Conference, San Antonio, TX, 5-7 January 2015.
- Benson, N.R. D.K. Morris, D. Wildy, E.J. Kelly and T.G. Teague. 2015. Cotton Response to Three Seeding Rates in a Highly Variable Field in Northeast Arkansas: Implications for Site Specific Management. Beltwide Cotton Conference, San Antonio, TX, 5-7 January 2015.

- Benson, N.R., D.K. Morris, and T.G. Teague. 2015. Integrated technologies for improving cotton maturity and profitability. Beltwide Cotton Conference, San Antonio, TX, 5-7 January 2015.
- Benson, N.R., T.G. Teague, and F.M. Bourland 2014. Managing Midsouth cotton for earliness: Texas style IPM but with an Arkansas Twist!. Entomological Society of America's 62nd Annual Meeting, Portland, Oregon, USA. 16-19 November 2014.
- Teague, T.G., F.M. Bourland, G. Studebaker 2014. Host plant resistance: Evaluating cotton resistance & tolerance to tarnished plant bug in Arkansas. Southeast Branch Entomological Society of America. Greenville, SC. 2-5 March 2014.
- Teague, T.G. and E.J. Kelly. 2014. Influence of tillage system and irrigation initiation timing on susceptibility of three cotton cultivars to tarnished plant bug. Beltwide Cotton Conference, New Orleans, LA, 6-8 January 2014
- Teague, T.G., E.J. Kelly, D.M. Danforth, and David Wildy. 2014. Insect control termination decisions across irrigated and rainfed management zones in center pivot irrigated cotton Beltwide Cotton Conference, New Orleans, LA, 6-8 January 2014
- Teague, T.G., F.M. Bourland, G. Studebaker. 2014. Host plant resistance to tarnished plant bug in Arkansas: III Laboratory Evaluations. Beltwide Cotton Conference, New Orleans, LA, 6-8 January 2014
- Bourland, F.M., T.G. Teague, G. Studebaker. 2014. Host plant resistance to tarnished plant bug in Arkansas: I: Breeding and Variety Trials. Beltwide Cotton Conference, New Orleans, LA, 6-8 January 2014
- Studebaker, G., F.M. Bourland, T.G. Teague. 2014. Host plant resistance to tarnished plant bug in Arkansas: II Large field and small plot studies. Beltwide Cotton Conference, New Orleans, LA, 6-8 January 2014
- Strait, N., M.L. Reba, T.G. Teague, E.J. Kelly, J.L. Bouldin. 2014. Edge-of-field water quality monitoring in Northeastern Arkansas. Beltwide Cotton Conference, New Orleans, LA, 6-8 January 2014
- Reba, M.L., T.G. Teague, E.J. Kelly. 2014. Incorporating soil moisture measurements with plant growth monitoring. Beltwide Cotton Conference, New Orleans, LA, 6-8 January 2014.
- Lewis, A.L., M.L. Reba, T.G. Teague, E.J. Kelly, C.G. Henry, E.D. Vories, D.K. Morris. 2014 Field validation of irrigation planning tools in major Arkansas crops. Beltwide Cotton Conference, New Orleans, LA, 6-8 January 2014.
- Kelly, E.J., T.G. Teague, D.K. Morris, T. Spurlock, D.K. Fisher, Leo Espinoza, M.L. Reba. 2014. Spatial variability of cotton plant response to heterogeneous soils in the Midsouth. Beltwide Cotton Conference, New Orleans, LA, 6-8 January 2014.
- Teague, T.G., E.J. Kelly, M.L. Reba, D.K. Morris, T.N. Spurlock, J. Bouldin, and L. Espinoza. 2014. Integrating Soil, Crop and Pest Monitoring Using Spatial Technology on Arkansas Cotton Farms to Achieve Nutrient Loss Reduction. Soil and Water 69th International Annual Conference of the Soil and Water Conservation Society, Lombard, Illinois, 27-30 July 2014
- Benson, N.R., T.G. Teague and F.M. Bourland. 2014. Cotton IPM Texas Style with and Arkansas Twist: Importance of Earliness Management in Northeast Arkansas Production. Entomological Society of America's 62nd Annual Meeting, Portland, Oregon, USA, 16-19 November 2014.
- Chen, Yushin, Mike Daniels, Michele Reba, Andrew Sharpley, Jennifer Bouldin, Tina G. Teague, Chris Henry, Pearl Daniel, Neal Mays, Sagar Shrestha, Jack Farrelly, Mike Eggleton, Steve Lochmann, Dennis Frame, Dennis Busch, Amber Radatz, Eric Cooley, Beatrix Haggard, James

- Hendrix, and Donnie Miller. 2013. Effects of Agricultural Land Use, Climate Change, and Watershed Restoration on Water Quality and Biological Resources in the Mississippi River Basin. *In: Overview and Case Studies*. Abstract of the 2013 American Fisheries Society Annual Meeting, Little Rock, AR, USA, September 8-12.
- Kelly, E.J., T.G. Teague, D.K. Morris, and T. Spurlock. 2013. Spatial variability of *Lygus lineolaris* in Midsouth Cotton. Annual Meeting of the Entomological Society of America, Austin, TX, 10-14 November 2013.
- Reba, M.L., T.G. Teague, P. Counce, C. Henry, and E. Vories. 2013. Water resources management of cotton and rice production the Mid-South. American Water Resources Association, Specialty Conference Agricultural Hydrology and Water Quality II. St. Louis, MO. 24-27 March.
- Reba, M.L., Tina Gray Teague, Earl D. Vories. 2013. A Retrospective Review of Cotton Irrigation Termination in the Midsouth. Beltwide Cotton Conference, San Antonio, TX, 7-10 January 2013.
- Teague, T.G., E.J. Kelly, D. K. Morris, M. L. Reba, Vories, E, Fisher, K, and J. Bouldin. 2013. Integrating Soil, Crop and Pest Monitoring Using Spatial Technology on Arkansas Cotton Farms to Achieve Nutrient Loss Reduction. 68<sup>th</sup> International Annual Conference of the Soil and Water Conservation Society, Reno, NV. 21-24 July 2013.
- Teague, T. G. and C.R. Shumway. 2013. Cotton response to irrigation timing and use of enhanced efficiency nitrogen fertilizer and biosolids. Beltwide Cotton Conference, San Antonio, TX, 7-10 January 2013.
- Teague, T.G., Erin J. Kelly, D. Keith Morris, Diana M. Danforth. 2013. Zone management in center pivot irrigated fields – Improving Efficiency in Insect control termination using COTMAN in spatially variable cotton fields. Beltwide Cotton Conference, San Antonio, TX, 7-10 January 2013. National Cotton Council of America, Memphis, TN.
- Kelly, E.J., T.G. Teague, D. K. Morris. 2013. Monitoring insect pest populations across soil EC based management zones in Midsouth cotton with and with wheat cover crop. Beltwide Cotton Conference, San Antonio, TX, 7-10 January 2013. National Cotton Council of America, Memphis, TN.
- Bouldin, J.L., Reba, M.L., Teague, T.G. 2012. Sediment and nutrient reduction initiatives in the Arkansas Delta Ecoregion, Society of Environmental Toxicology and Chemistry, Long Beach, CA, 11-15 November.
- Bouldin, J.L., Reba, M.L., Teague, T.G. 2012. Sediment and nutrient reduction initiatives in the Arkansas Delta Ecoregion, National NPS Workshop, Tulsa, OK. 14-17 October.
- Borland, F.M, G. Studebaker, T. G. Teague. 2012. Resistance to tarnished plant bugs in cotton varieties? Cotton Incorporated Agricultural & Environmental Research 2012 Crop Management Seminar and Workshops. 7-9 November 2012. Tunica, MS.
- Kathiar, S. Janet Lanza, T.G. Teague and K.D. Neeley. 2012. The effect of tillage systems on abundance of arthropods in cotton fields – pitfall trap studies in NE Arkansas. 2012 Southeastern/Southwestern Joint Annual Meeting of the Entomological Society of America. 4-7 March 2012. Little Rock, AR.
- Reba, M.L., M. Daniels, Y. Chen, A. Sharpley, T. Teague and J. Bouldin. 2012. A network for monitoring agricultural water quantity and water quality in Arkansas, Eos, Transactions of the American Geophysical Union, Fall Meeting Supplement, Abstract H31G-1204.

- Reba, M.L, J. Bouldin, T. Teague and J. Choate. 2011. Reducing runoff and nutrient loss from agricultural land in the Lower Mississippi River Basin, Eos, Transactions of the American Geophysical Union, Fall Meeting Supplement, Abstract H41B-1021.
- Teague, T.G. and K. D. Neeley. 2012. Techniques for Evaluating Feeding Preference in Host Plant Resistance Studies with the Tarnished Plant Bug (*Lygus lineolaris*) in Cotton. 88<sup>th</sup> Annual Meeting of the Kansas (Central States) Entomological Society. Jonesboro, AR. 6-7 April 2012.
- Teague, T.G, 2012. Cotton irrigation timing impacts on pest status of tarnished plant bug. 88<sup>th</sup> Annual Meeting of the Kansas (Central States) Entomological Society. Jonesboro, AR. 6-7 April 2012
- Teague, T.G., K.D. Neeley, F.M. Bourland. 2012. Tarnished Plant Bug (*Lygus lineolaris* (Palisot de Beauvois) Host Plant Resistance Evaluations in Midsouth Cotton. Third International Lygus Symposium, Scottsdale, AZ, 28-31 October 2012.
- Teague, T.G. and K.D. Neeley 2012. Evaluation and utilization of resistance to tarnished plant bug in cotton. Cotton Insect Research and Control Conferences, Beltwide Cotton Conferences, Orlando, FL. 3-6 January 2012.
- Teague, T.G. 2011. Tarnished plant bug and the plant growth regulator, mepiquat chloride -- Influence on cotton fruiting dynamics. Presented at the Annual Meeting of the Southeastern Branch Entomological Society of America, San Juan, Puerto Rico, 19-22 March 2011.
- Teague, T.G. 2011. Irrigation Timing and Tarnished Plant Bug Management – Implications for Late Season Susceptibility to Tarnished Plant Bug and Crop Termination Decisions - Year III. Poster presentation at the 2010 Beltwide Cotton Conference, Atlanta, GA, 4-7 January 2011.
- Teague, T.G. and C.R. Shumway. 2011. Cotton response to irrigation timing and use of enhanced efficiency nitrogen fertilizer and biosolids. Poster presentation at the 2010 Beltwide Cotton Conference, Atlanta, GA, 4-7 January 2011.
- Teague, T.G., J. Bouldin, C.R. Shumway, S. Green, R. Warby, K. Morris, A. Flanders. 2011. Crop Protection and Tillage – Focusing management to build sustainable cotton systems – year three. Poster presentation at the 2010 Beltwide Cotton Conference, Atlanta, GA, 4-7 January 2011.
- Luttrell, R.L., K.C. Allen, P. O’Leary, T.G. Teague. 2011. Insect infestations, crop development and evolving management approaches on a northeast Arkansas cotton farm. Oral presentation at the 2010 Beltwide Cotton Conference, Atlanta, GA, 4-7 January 2011.
- Nalley, L.L, D.M. Danforth, Z. Niederman, T. G. Teague, David Wildy. 2011. A Scan level cotton carbon life cycle assessment – has bio-tech reduced the carbon emission from cotton production in the USA? Poster presentation at the 2010 Beltwide Cotton Conference, Atlanta, GA, 4-7 January 2011.
- Teague, T. G. and D. M. Danforth. 2010. Irrigation timing and tarnished plant bug management: Implications for late season susceptibility to tarnished plant bug and crop termination decisions- Year II. Poster presentation at the 2010 Beltwide Cotton Conference, New Orleans, LA.
- Teague, T. G., J.L, Willers, F. M. Bourland, and George Milliken. 2010. Investigation of field lot size on variation in white flower anther injury associated with tarnished plant bug host plant resistance evaluations in Arkansas cotton. Poster presentation at the 2010 Beltwide Cotton Conference, New Orleans, LA.
- Teague, T.G., V.S. Green, J.L. Bouldin, C.R. Shumway, and L. Fowler. 2010. Crop protection and tillage: focusing management to build sustainable cotton systems. Poster presentation at the 2010 Beltwide Cotton Conference, New Orleans, LA.

- Sappington, D. R., T. R. Brueggen, J. L. Bouldin, S. Green, C. Shumway, T.G. Teague. 2010. Improving water quality with better management practices in Midsouth cotton. Oral presentation at the 2010 Beltwide Cotton Conference, New Orleans, LA.
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- Teague, T. G., J. V. Edelson, and T. C. Royer. 1987. Cabbage root aphid: biology and control. *In*: Proceedings of the 1987 Texas Vegetable Association Convention, Weslaco, Texas.
- Teague, T. G., James R. Cate, and J. Tom Cothren. 1986. The influence of N fertilization on weight gain of *Heliothis virescens* in cotton. Beltwide Cotton Conference, Las Vegas, Nevada.
- Teague, T. G., James R. Cate, and J. Tom Cothren. 1985. The effect of nitrogen fertilization on establishment of *Heliothis virescens* (F.) in cotton. Beltwide Cotton Conference, New Orleans, Louisiana.
- Horton, D. L., T. G., Teague, W. C. Yearian, J. R. Phillips. 1982. The effect of benomyl and thiabendazole on parasite development in *Heliothis zea*. Southeastern Branch Meeting of the Entomological Society of America, Atlanta, Georgia.
- Phillips, J. R., W. F. Nicholson, T. G. Teague, J. Bernhardt, and T. F. Mueller. 1981. Community insect pest management programs. *In*: Proceedings of the Cotton Biological Control Conference. pp. 44-9. Dallas, Texas.
- Teague, T. G. and J. R. Phillips. 1980. The effect of the commercial formulation of *Heliothis* nuclear polyhedrosis virus (Elcar) on *Heliothis* parasite searching behavior. Central States Branch Meeting of the Entomological Society of America, Stillwater, Oklahoma.

#### INVITED PROFESSIONAL PRESENTATIONS

- Teague, T.G. 2011- 2022. Cotton Sustainability and Cotton Incorporated's Agricultural Research Program in the Midsouth. Featured speaker at the Annual National Cotton Council and Cotton Incorporated Import Support Program National Farm Tour – National Cotton Council, Memphis Tenn, and University of Arkansas Lon Mann Research Station, Marianna, Arkansas – October each year (Covid canceled 2020, 2021, planned for 2022)
- Teague, T.G. 2022. Water and Drainage – Keys to Agricultural History in Northeast Arkansas. Invited seminar to University of Memphis Earth Science and Memphis Museum of Science and History, Memphis, TN, 13 April, 2022.
- Teague, T.G. 2022. Agricultural Research – STEM Opportunities in Agriculture: Impacts in Northeast Arkansas. Invited presentation to Economics Arkansas Educators and Arkansas State University Heritage Site, Johnny Cash Boyhood Home, Dyess, AR, 14 June 2022.
- Teague, T.G. 2021. Insecticide Termination: Plant monitoring to know when to quit. *Invited Grow*: Plant Health Exchange “Focus on Cotton” webcast for the American Phytopathological Society (APS) Webcast. <https://www.planthealthexchange.org/Pages/default.aspx>. (peer reviewed).
- Teague, T.G. 2021. Cotton Research at the Judd Hill Foundation Farm. Invited presentation to the University of Arkansas System Division of Agriculture iLead Program, University of Arkansas Northeast Research and Extension Center, Keiser, AR. 14 October 2022.
- Teague, T.G. 2015. A Woman in Agriculture: My Career in Teaching and Research. Invited speaker to the Annual Women in Leadership Conference. Arkansas Northeastern College, Blytheville, Arkansas, 31 March 2015.
- Teague, T.G. 2014. Hat Juggling 101: The path of a woman in science. Invited presentation to the Women in Entomology section at the Entomological Society of America's 62nd Annual Meeting, Portland, Oregon, USA. 16-19 November 2014.

- Teague, T.G. 2013. Insect Pest Management Tactics in Cover Crop Systems. Southern Cover Crops Workshop. USDA-Natural Resources Conservation Service. Jonesboro, AR, 24-25 July.
- Teague, T. G. 2012. COTMAN in Research. Cotton Incorporated Agricultural & Environmental Research 2012 Crop Management Seminar and Workshops. 7-9 November 2012. Tunica, MS.
- Teague, T.G. 2011. Good News in US Cotton – Progress in the Journey toward Sustainability. Invited Distinguished Speaker in the College Colloquium, University of Arkansas Little Rock College of Science and Mathematics Science and College of Engineering and Information Technology, 18 February 2011, Little Rock, AR.
- Teague, T.G. 2011. Integrating Soil and Water Conservation and Pest Management Tactics for Sustainable Cotton Production. Invited presentation to the Agriculture Research Unit of Cotton Inc. Cary, North Carolina, 8 July 2011.
- Teague, T.G. 2011. IPM Includes Irrigation Management in Arkansas Cotton. Water for Fish and Farmers in the Mississippi Delta, Mississippi State University, Stoneville, Mississippi 13-14 September, 2011.
- Teague, T. G. 2008. Cotton Crop Vigor and Tarnished Plant Bugs – Should Management Change Across Variable Fields? Proceedings of the 11<sup>th</sup> annual National Conservation-Tillage Cotton and Rice Conference, Jan 20-22, Robinsonville, Mississippi.
- Teague, T.G., D.M. Danforth, J. Lund. Compensation Capacity of High and Low Vigor Cotton Plants in Response to Pre-Flower Injury by Tarnished Plant Bug (Heteroptera: Miridae). World Cotton Research Conference 4. 10-14 September 2007. Lubbock, TX.
- Teague, T. G. 2006. Insecticide Termination validation research in Midsouth cotton. The Cotton Incorporated Annual Crop Management Seminar: Special COTMAN Workshop. 31 October 2006, Memphis, TN
- Teague, T. G. 2006. Water Use Efficiency in Agriculture: The COTMAN Decision Guide for Timing the Final Irrigation in Cotton. Midsouth Society of Environmental Toxicology and Chemistry. 26 May 2006. Arkansas State University. Jonesboro, AR.
- Teague, T. G. 2004. COTMAN Insecticide Termination – Decision Guides for Tarnished Plant Bugs. The Cotton Incorporated Annual Crop Management Seminar: Special COTMAN Workshop. 9 November 2004, Robinsonville, Mississippi.
- Teague, T. G. 2004. Tarnished Plant Bug Induced Injury to Cotton. The Cotton Incorporated Annual Crop Management Seminar. 10 November 2004, Robinsonville, Mississippi.
- Teague, T. G. 2002. Validation of the COTMAN Expert System Insecticide Validation Rules. The Cotton Incorporated Annual Crop Management Seminar: Special COTMAN Workshop. 4 November 2002, Robinsonville, Mississippi.
- Teague, T. G. 2002. Production Methods to Reduce Risk of Late Season Insect Damage. The Cotton Incorporated Annual Crop Management Seminar. 5 November 2002, Robinsonville, Mississippi.
- Teague, T. G. 2001. Future Integrated Pest Management Challenges in Midsouth Cotton: Tarnished Plant Bug. Presented to the Mississippi Entomological Association Annual Meeting. 13 November 2001. Starkville, Mississippi.
- Teague, T. G. 2001. Cotton Entomology in the US and Northeast Arkansas. International Cotton Advisory Committee Research Associate Program, 2001 National Cotton Tour. 14 May 2001. Leachville, Arkansas.

- Teague, T. G. 2001. COTMAN Expert System. An invited workshop presented to members of the Texas A&M and Texas Tech University Cotton Research Group. 30 May 2001. Lubbock, Texas.
- Tugwell, N.P. and T. G. Teague. 2000. Square and Boll Retention: The Entomologist's Response. The Cotton Incorporated Annual Crop Management Seminar. 17 November 2000, Memphis, Tennessee.
- Teague, T. G. 1999. Timing irrigation by plant growth and fruit retention. Arkansas Annual Cotton Research Meeting. 9 February 1999, Blytheville, Arkansas.
- Teague, T. G. 1998. The COTMAN Expert System as a Research Tool for Examining Stress. A Workshop presented to the Cotton Incorporated Root Health Working Group. 3 February, Ft Worth, Texas
- Teague, T. G. 1998. Cotton insect pest management across the US cotton belt. A series of lectures to university researchers and students at the Xinjiang Agriculture Academy, 3-17 July 1998, Urumiqi, People's Republic of China.
- Teague, T. G. 1998. Managing for earliness in Midsouth cotton. A lecture to Dow AgroSciences Discovery Research Personnel at their World Headquarters, 17 June 1998, Indianapolis, Indiana.
- Teague, T. G. 1998. Innovations in cotton insect pest management. Annual Meeting of the Southern Sustainable Agriculture Working Group, 24 January 1998, Memphis, Tennessee.
- Dabney, S. and T. G. Teague. 1998. Grass hedges for soil erosion control - field studies in Mississippi and Arkansas. Sustainable Agriculture Professional Development Seminar. 22 January 1998, Memphis, Tennessee.
- Teague, T. G. 1995. Sustainable agriculture research you can use on your farm: SARE research using wastes for soil fertility. Invited lecture to the Southern Sustainable Agriculture Working Group Conference. 13-15 January 1995, Gulf Shores, Alabama.
- Teague, T. G. 1998. Boll weevil eradication technology for Arkansas Cotton. Annual Arkansas Cotton Research Conference. 17 February 1998, Pine Bluff, Arkansas.
- Teague, T. G. 1994. Agricultural wastes as soil amendments in sustainable vegetable production systems. Identifying alternative uses for agricultural and environmental resources workshop. Northeast Arkansas Rural Development Forum. Arkansas State University, 4 April 1994, Jonesboro, Arkansas.
- Teague, T. G. 1994. Regional research on compost and natural fertilizers. Oklahoma State Horticulture Industries Show, 8 January 1994, Tulsa, Oklahoma.
- Teague, T. G. 1993. Use of organic soil amendments for vegetable crop production on the ALFDC Demonstration Farm. Culture, Issues and Services Workshop at the Arkansas Land and Farm Development Corporation 12th Annual Conference. 22 October 1993, Fargo, Arkansas.
- Teague, T. G. 1993 Utilization of pelletized chicken litter in a fertility program for vegetables. 38th Annual Rural Life Conference, University of Arkansas at Pine Bluff, 29 January 1993, Pine Bluff, Arkansas.
- Teague, T. G. 1993 Habitat management for natural enemies: theory and practice. Oklahoma State Horticulture Industries Show, 8 January 1993, Tulsa, Oklahoma.
- Teague, T. G. 1992 Pelletized poultry litter effects on vegetable production in Eastern Arkansas. Poultry Litter Utilization Workshop, Winrock International Sustainable Agriculture Program, 2 June 1992, Fayetteville, Arkansas.