



**Marvin Leonard Wells**  
*University of Georgia--Tifton Campus*  
*Department of Horticulture*  
*4604 Research Way*  
*Tifton, GA 31793*

*email: lwells@uga.edu -*

**Education**

1996-May 1999: Ph. D., Entomology, University of Georgia  
1994-1996: M.S., Biology, Georgia Southern University  
1989-1994: B.S., Biology, Valdosta State University

**Positions Held**

July 2012-Present	Associate Professor	University of Georgia
December 2006-July 2012	Assistant Professor	University of Georgia
December 2004-Nov. 2006	Pecan Specialist/ANR Agent	University of Georgia
July 2002-November 2004	ANR Agent-Dougherty Co.	University of Georgia
June 1999-June 2002	Postdoctoral Associate	University of Georgia

**Graduate Student Committee Service/Mentoring**

Thomas Ingram, MS student, University of Georgia Plant Pathology, 2010-2012  
Cody Casey, MPPPM student, University of Georgia-Tifton Campus, 2011-2013  
Yi Gong, Ph.D., Food Science & Technology, University of Georgia, 2011-2015  
Kyle Brown, M.S., Plant Pathology, University of Georgia, 2013-2015

**Personal/Professional Enrichment/Professional Service:**

Board of Directors, Southeastern Pecan Growers Association, 2010-Present  
Advisory Board, Georgia Agricultural Commodity Commission for Pecans  
University of Georgia Faculty Council, 2009-2012  
University of Georgia CAES Faculty Council, 2009-2012  
Educational Advisor, Georgia Pecan Growers Association  
UGA CAES Liaison for Southeastern Pecan Growers Association  
Program Chair, Pecan Production Workgroup, Southern Region Annual Meeting,  
American Society for Horticultural Science, 2010  
Program Chair, Pecan Production Workgroup, Southern Region Annual Meeting,  
American Society for Horticultural Science, 2009  
Georgia Association of County Agricultural Agents, Board of Directors: 2008-2009  
Ad Hoc Reviewer: HortScience  
Ad Hoc Reviewer: HortTechnology  
Ad Hoc Reviewer: Journal of the American Society for Horticultural Science

Ad Hoc Reviewer: Southern Sustainable Agriculture Research & Extension Program  
Program Chair, Pecan Production Workgroup, Southern Region Annual Meeting,  
American Society for Horticultural Science, 2006  
Program Chair and Co-Moderator, Southeastern Pecan Growers Association Annual  
Meeting, 2006  
Program Chair and Co-Moderator, Georgia Pecan Growers Association Annual Meeting  
2005-Present  
Program Chair, Georgia Pecan Growers Association Fall Field Day 2005-Present  
Communications Chair, Georgia Association of County Agricultural Agents, 2006-2007  
Pecan Production Program, UGA CAES Congressional Tour, 2005  
Ad Hoc Reviewer: Environmental Entomology  
Ad Hoc Reviewer: Journal of Entomological Science  
Ad Hoc Reviewer: USDA National Research Initiative Competitive Grant Program  
(Entomology and Nematology)  
Co-Moderator: Section Cc. Insect Vectors in Relation to Plant Disease, 2001 Ent. Soc.  
Am. Annual Meeting  
Session Moderator: Ph.D. Student Paper Competition, 65th Annual Meeting, Georgia  
Entomological Society  
Judge, 2002 Abraham Baldwin Agricultural College Regional Science and Engineering  
Fair  
Commercial Pesticide Applicator's License, Plant Agriculture

#### **Professional Society Memberships**

American Society for Horticultural Science  
American Society for Horticultural Science, Southern Region  
Southeastern Pecan Growers Association  
Georgia Pecan Growers Association

#### **Oral Presentations of Research**

- Wells, M.L.** and D.V. Hagan. 1996. Biology of pine tip moths and their parasites in  
Bulloch County, Georgia. 60th Annual Meeting, Georgia Entomological Society,  
Savannah, Georgia.
- Wells, M.L.** and D.V. Hagan. 1996. Effects of pine stand age and silvicultural treatment  
on populations of pine tip moths (*Rhyacionia* spp.) and their parasites. 57th  
Annual Meeting, Association of Southeastern Biologists, Statesboro,  
Georgia.
- McPherson, R.M., **M.L. Wells**, and C.S. Bundy. 1998. Seasonal abundance of three  
coccinellids on Georgia flue-cured tobacco. 38th Tobacco Worker's Conference,  
Lexington, Kentucky.
- McPherson, R.M., **M.L. Wells**, and C.S. Bundy. 1998. Dynamics of stink bugs and  
velvetbean caterpillars in an early soybean production system. Annual Meeting,  
Entomological Society of America, Las Vegas, Nevada.
- Wells, M.L.**, R.M. McPherson, J.R. Ruberson, and G.A. Herzog. 1998. Integrating  
biological control with selective insecticides for environmentally sound  
management of cotton aphids. Beltwide Cotton Research Conference, San Diego,  
California.

- Wells, M.L., J.R. Ruberson, R.M. McPherson, G.A. Herzog.** 1999. Biotic suppression of the cotton aphid in the Georgia Coastal Plain. Beltwide Cotton Research Conference, Orlando, Florida.
- Wells, M.L., R.M. McPherson, and J.R. Ruberson.** 1999. Functional response of *Scymnus creperus* fourth-instar larvae and adults feeding on cotton aphids. 63rd Annual Meeting, Georgia Entomological Society, Tifton, Georgia.
- McPherson, R.M., C.S. Bundy, and M.L. Wells.** 1999. Insect pest management tactics for soybeans. Global Soy Forum 1999, Chicago, Illinois.
- Wells, M.L., and R.M. McPherson.** 1999. Population dynamics and functional feeding response of coccinellids on flue-cured tobacco in Georgia. 39th Tobacco Worker's Conference, Williamsburg, Virginia.
- Wells, M.L., A.K. Culbreath, and J.W. Todd.** 2001. Effect of Actigard on thrips and tomato spotted wilt virus in Georgia peanut. Southeastern Branch Meeting, Entomological Society of America, Augusta, Georgia.
- Wells, M.L., A.K. Culbreath, and J.W. Todd.** 2001. Early season thrips populations and implications for tomato spotted wilt virus management. 65th Annual Meeting, Georgia Entomological Society, Tifton, Georgia.
- Wells, M.L., A.K. Culbreath, and J.W. Todd.** 2001. Effects of Actigard on tomato spotted wilt virus and thrips in peanut. 33rd Annual Meeting, American Peanut Research and Education Society, Oklahoma City, Oklahoma.
- Wells, M.L., A.K. Culbreath, and H.R. Pappu.** 2001. Impatiens necrotic spot virus in Georgia peanut. Annual Meeting, American Phytopathological Society, Salt Lake City, Utah.
- Wells, M.L., A.K. Culbreath, A.S. Csinos, J.W. Todd, and B. Mandal.** 2001. Bionomics of spring tobacco thrips: Implications for tomato spotted wilt virus management. Annual Meeting, Entomological Society of America, San Diego, California.
- Bertrand, P.F., R. Reed, F. Connelly, and M.L. Wells.** 2002. The effect of minimum tillage on the incidence of TSWV in tobacco. 40th Tobacco Worker's Conference, Pinehurst, North Carolina.
- Connelly, F., M.L. Wells, and P.F. Bertrand.** 2002. The effect of colored mulch on the incidence of TSWV in tobacco. 40th Tobacco Worker's Conference, Pinehurst, North Carolina.
- Wells, M.L., A.S. Csinos, A.K. Culbreath, and B. Mandal.** 2002. Pre-planting thrips populations: Implications for management of tomato spotted wilt virus. 40th Tobacco Worker's Conference, Pinehurst, North Carolina.
- Gitaitis, R.D., M.L. Wells, F.H. Sanders, D.G. Riley, and R.R. Walcott.** 2002. Association of the bacterium *Pantoea ananatis* with tobacco thrips, *Frankliniella fusca*. American Phytopathological Society Southern Division Meeting, Orlando, Florida.
- Wells, M.L., A.K. Culbreath, and J.W. Todd.** 2002. The role of cotton in tomato spotted wilt virus epidemics of peanut in Georgia. 34<sup>th</sup> Annual Meeting, American Peanut Research and Education Society, Raleigh, North Carolina.
- Wells, M.L.** 2009. Mechanical fruit thinning enhances production of 'Sumner' and 'Cape Fear' Pecan. ASHS Annual Meeting. American Society for Horticultural Science, St. Louis, Missouri.

- Wells, M.L.** 2013. A reduced early season irrigation schedule for Southeastern U.S. pecan production International Society for Horticultural Science. 1<sup>st</sup> International Symposium of Pecan and other *Carya* species. College Station, Texas.
- Fonsah, E.G., S.N. Awondo, **M.L. Wells**, W.G. Hudson, and D. Collins. 2013. Economic analysis of Southeastern pecan production using enterprise budget. International Society for Horticultural Science. 1st International Symposium of Pecan and other *Carya* species. College Station, Texas.
- Heerema, R., **M.L. Wells**, L. Lombardini, M. Nesbitt, C. Warren, Y. Gong, and R. Pegg. 2014. Pecan kernel antioxidant capacity and oil composition are affected by mechanical pruning and by nut position in tree canopy. International Horticultural Congress, Brisbane, Queensland, Australia.

### **Invited Oral Presentations**

- Wells, M.L.** 2001. Tospovirus and thrips studies in Georgia peanut. Tifton Chapter, Sigma Xi Scientific Research Society Seminar, Tifton, Georgia.
- Wells, M.L.** 2001. Tospovirus and thrips studies in Georgia. University of Georgia, Plant Pathology Departmental Seminar, Athens, Georgia.
- Wells, M.L.** 2006. Nutritional survey of Georgia pecan orchards and yield response to the N:K ratio. Southeastern Pecan Growers Association Annual Meeting, Panama City, Florida.
- Wells, M.L.** 2006. Foliar Boron Studies of Pecan and Economic Update of Pecan Production. Alabama Pecan Growers Association, Fairhope, AL.
- Wells, M.L.** 2007. Foliar boron nutrition of pecan. Southeastern Pecan Growers Association Annual Meeting, Panama City, Florida.
- Wells, M.L.** 2007. Areas of growth or decline in the southeastern pecan industry. Western Pecan Growers' Association Annual Meeting, Las Cruces, New Mexico.
- Wells, M.L.** 2007. Current weed control options for orchards utilizing clover and survey of pecan variety choices by Georgia pecan growers. Georgia Pecan Growers Association Annual Meeting, Albany, GA.
- Wells, M.L.** 2007. Current pecan production practices in Georgia. Louisiana Pecan Growers Association Annual Meeting, Monroe, Louisiana.
- Wells, M.L.** 2007. Cold/freeze injury of pecan. Florida Pecan Growers Association, Monticello, Florida.
- Wells, M.L.** 2007. Pecan production practices used by successful pecan growers in Georgia. Alabama Pecan Growers Association, Fairhope, Alabama.
- Wells, M.L.** 2008. Cold Injury and Pecans, Southeastern Fruit & Vegetable Growers Association Annual Conference, Savannah, GA
- Wells, M.L.** 2008. Foliar Boron Nutrition of Pecan. Oklahoma Pecan Growers Association. Tulsa, Oklahoma.
- Wells, M.L.** 2008. Effects of foliar boron on pecan production in the southeast. Texas Pecan Growers Association Annual Meeting. Houston, Texas.
- Wells, M.L.** 2008. Reducing fertilizer costs and improving orchard floor management. Florida Pecan Growers Association, Annual Meeting. Live Oak, Florida.
- Wells, M.L.** 2008. The cost of growing pecans. National Pecan Shellers Association, Annual Meeting. San Francisco, California.

- Wells, M.L.** 2009. Pecan nutrition and carbohydrate reserves. X Seminario Internacional de Nopal Pecanero. Hermosillo, Sonora, Mexico.
- Wells, M.L.** 2009. Alternative fertilization methods for pecans in the Southeast. National Pecan Scientists Meeting. Samuel Roberts Noble Foundation, Ardmore, Oklahoma.
- Wells, M.L.** 2009. Cultural practices to improve pecan production. Arkansas Pecan Growers Association Annual Meeting. Arkansas Pecan Growers Association, Little Rock, Arkansas.
- Wells, M.L.** 2009. Pecan cultivar selection. Arkansas Pecan Growers Association Annual Meeting. Arkansas Pecan Growers Association, Little Rock, Arkansas.
- Wells, M.L.** 2009. Orchard soil health and pecan management. SE Pecan Growers Assoc. Annual Meeting. SE Pecan Growers Assoc., Destin, FL
- Wells, M.L.** 2009. The cost of producing pecans: Can we grow them for less? SE Regional Fruit & Vegetable Conference. SE Fruit & Vegetable Growers Association, Savannah, GA
- Wells, M.L.** 2009. Management of clover and poultry litter for pecan orchard nutrition. Alabama Pecan Growers Association Conference. Fairhope, Alabama.
- Wells, M.L.** 2009. Spacing, training, thinning, and pruning pecan trees. Florida Pecan Growers Association Annual Meeting. Monticello, FL.
- Wells, M.L.** 2009. Status of orchard soil & pecan tree fertility in Georgia orchards. Georgia Pecan Growers Association Annual Conference. Perry, GA
- Wells, M.L.** 2010. Good agricultural practices for pecan. Southeastern Fruit and Vegetable Growers Conference. Savannah, GA.
- Wells, M.L.** 2010. Good agricultural practices for pecan. Western Pecan Growers' Conference, Las Cruces, New Mexico.
- Wells, M.L.** 2010. Implementing good agricultural practices for pecans. Texas Pecan Growers Association Annual Conference. San Marcos, Texas.
- Wells, M.L.** 2010. The importance of irrigation in southeastern pecan orchards. Alabama Pecan Growers Association Annual Conference. Fairhope, Alabama.
- Wells, M.L.** 2010. Planting and care of young pecan trees. Annual Meeting. SE Pecan Growers Assoc., Destin, FL.
- Wells, M.L.** 2010. Managing clover and poultry litter for pecan production. Georgia Pecan Growers Association Annual Conference. Perry, GA.
- Wells, M.L.** 2010. Problems with the 2010 pecan crop. Georgia Farm Bureau Conference, Jekyll Island, GA.
- Wells, M.L.** 2011. Precision fertilizer management for pecan. Southeastern Fruit & Vegetable Conference, Savannah, GA.
- Wells, M.L.** 2011. Problems with Quality and Shuck Opening in Southeastern Pecans. SE Pecan Growers Assoc., Biloxi MS.
- Wells, M.L.** 2011. How Much Water do Pecans Need? Georgia Pecan Growers Association Annual Conference. Perry, GA.
- Wells, M.L.** 2011. Problems with Pecan Quality in 2010. Tri-State Pecan Conference, Shreveport, LA.
- Wells, M.L.** 2011. Orchard Soil Enhancement with Clover Cover Crops. Fla. Pecan Growers Assoc. Meeting, Monticello, Fla.
- Wells, M.L.** 2011. Orchard soil enhancement with clover cover crops. Alabama Pecan

- Growers Assoc. Meeting, Fairhope, Al.
- Wells, M.L.** 2012. Foliar sulfur sprays for pecans. Southeastern Fruit & Vegetable Conference, Savannah, GA.
- Wells, M.L.** 2012. The effects of drought on pecan quality. SE Pecan Growers Assoc., Point Clear, Alabama.
- Wells, M.L.** 2012. Planting and care of young pecan trees. Georgia Pecan Growers Association, Perry GA.
- Wells, M.L.** 2012. Pecan planting trends in Georgia. Texas Pecan Growers Conference, San Marcos, TX.
- Wells, M.L.** 2012. Nutrition management of pecan. Florida Pecan Growers Association Annual Meeting, Monticello, FL
- Wells, M.L.** 2012. Pecan irrigation. Florida Pecan Growers Association Annual Meeting, Monticello, FL
- Wells, M.L.** 2013. A reduced early season irrigation schedule for Southeastern Pecan Production. SE Pecan Growers Assoc., Destin, FL.
- Wells, M.L.** 2013. Enhancing nitrogen and irrigation efficiency of pecan. Georgia Pecan Growers Association, Perry GA.
- Wells, M.L.** 2013. Enhancing nitrogen fertilizer efficiency for pecan. Texas Pecan Growers Conference, College Station, TX.
- Wells, M.L.** 2013. Tree Spacing, Alternate Tree Pruning and Removal, and Tree Transplanting. Florida Pecan Growers Association Field Day, Monticello, FL
- Wells, M.L.** 2013. Developments in the Georgia Pecan Industry. Alabama Pecan Growers Association Annual Meeting, Fairhope, Alabama
- Wells, M.L.** 2014. The Bottom Line: Getting Back to the Basics of Pecan Production. Georgia Pecan Growers Association, Perry GA.
- Wells, M.L.** 2014. Pecan production in Georgia, USA. Australian Pecan Growers Association, Beaudesert, Queensland, Australia.
- Wells, M.L.** 2014. Cost of pecan production in the Southeastern United States. National Pecan Shellers Association, Seattle, Washington
- Wells, M.L.** 2014. Georgia Pecan Production Trends. Georgia Farm Bureau Conference, Jekyll Island, GA
- Wells, M.L.** 2015. The Pecan: America's Tree of Life. Valdosta State University, Science Seminar

#### **Educational Programs:**

##### **2005**

- Pecan Fertility and Orchard Floor Management, UGA Pecan Scout School
- Effects and Application of Nickel to Pecan, State-Wide County Pecan Production Meetings (16)
- 2005 Pecan Season Review, Georgia Farm Bureau Annual Conference

##### **2006**

- Pecan Management, State-Wide County Pecan Production

Meetings (14)

- Pecan Varieties, Pollination, and Crop Load Management, Commercial Pecan Production Training for UGA County Extension Agents
- Pecan Fertility, Nutritional Disorders, Sunlight, and Herbicides, Commercial Pecan Production Training for UGA County Extension Agents
- Alabama/Georgia Pecan Growers Orchard Tour
- Cutting the Cost of Pecan Production, Georgia Farm Bureau Annual Conference
- Program Chair, Georgia Pecan Growers Association Annual Meeting
- Program Chair, Georgia Pecan Growers Association Field Day
- Program Chair, Pecan Session, Southeastern Fruit & Vegetable Growers Association Annual Conference

**2007**

- Cutting the Cost of Pecan Production, State-Wide County Pecan Production Meetings (16)
- Pecan Grafting Clinics (2)
- Pecan Fruit Thinning Clinics (3)
- Boron Studies on Pecan, Alabama/Georgia/Louisiana Pecan Growers Orchard Tour, Tifton, GA
- Program Chair, Georgia Pecan Growers Association Annual Meeting
- Weed Control Options for Orchards Utilizing Clover and Current Variety Choices by Georgia Pecan Growers, Georgia Pecan Growers Association Annual Meeting
- Program Chair, Georgia Pecan Growers Association Field Day
- Program Chair, Pecan Session, Southeastern Fruit & Vegetable Growers Association Annual Conference
- 2007 Pecan Season Review, Pierce County Pecan Field Day and Meeting, Pierce County, Georgia
- 2007 Pecan Season Review, Georgia Farm Bureau Annual Conference

**2008**

- Reducing Orchard Fertilizer Costs, State-Wide County Pecan Production Meetings (16)
- Pecan Production 101---Wimba Training Course for New County Extension Agents
- Pecan Tree Pruning Clinics (2)
- Program Chair, Georgia Pecan Growers Association Annual Meeting
- Program Chair, Georgia Pecan Growers Association Field Day
- UGA Pecan Fertility Trials, Georgia Pecan Growers Association Fall Field Day

- Program Chair, Pecan Session, Southeastern Fruit & Vegetable Growers Association Annual Conference

## 2009

- The Cost of Producing Pecans, , State-Wide County Pecan Production Meetings (15)
- Pecan Tree Pruning Clinic, Appling County, Ga.
- Pecan Scout School
- Pecan Fruit Thinning Demonstration, Crisp County, Ga.
- Program Chair, Georgia Pecan Growers Association Annual Meeting
- Program Chair, Pecan Session, Southeastern Fruit & Vegetable Growers Association Annual Conference

## 2010

- Pecan Management, State-Wide County Pecan Production Meetings (14)
- Program Chair, Georgia Pecan Growers Association Annual Meeting
- Program Chair, Pecan Session, Southeastern Fruit & Vegetable Growers Association Annual Conference
- Program Chair, Georgia Pecan Growers Association Field Day

## 2011

- Pecan Management Update, State-Wide County Pecan Production Meetings (14)
- Program Chair, Georgia Pecan Growers Association Annual Meeting
- Program Chair, Pecan Session, Southeastern Fruit & Vegetable Growers Association Annual Conference
- Program Chair, Georgia Pecan Growers Association Field Day
- Pecan Scout School

## 2012

- Pecan Management Update, State-Wide County Pecan Production Meetings (15)
- Program Chair, Georgia Pecan Growers Association Annual Meeting
- Program Chair, Pecan Session, Southeastern Fruit & Vegetable Growers Association Annual Conference
- Program Chair, Georgia Pecan Growers Association Field Day
- Beginner's Pecan Production Course
- Pecan Tree Pruning Clinic, Peach County, GA
- Pecan Tree Pruning Clinic, Tattnall/Evans Co., GA
- Southeast Georgia Pecan Field Day, Baxley, GA

## 2013

- Pecan Management Update, State-Wide County Pecan Production Meetings (16)
- Program Chair, Georgia Pecan Growers Association Annual Meeting



- Program Chair, Pecan Session, Southeastern Fruit & Vegetable Growers Association Annual Conference
- Program Chair, Georgia Pecan Growers Association Field Day
- Pecan Scout School
- Pecan Tree Pruning Clinic, Mitchell County, GA
- Southeast Georgia Pecan Field Day, Baxley, GA
- 2013 Pecan Season Update, Pierce County Pecan Field Day and Meeting, Pierce County, Georgia
- Regional New Extension Agent Training, Hawkinsville, GA

#### 2014

- Pecan Management Update, State-Wide County Pecan Production Meetings (15)
- Program Chair, Georgia Pecan Growers Association Annual Meeting
- Program Chair, Georgia Pecan Growers Association Field Day
- Pecan Tree Pruning Clinic, Evans County, GA
- Pecan Grafting Clinics (3): Cook, Brooks, and Appling Counties
- UGA CAES, Southeast District Agent Training
- Southeast Georgia Pecan Field Day, Baxley, GA
- 2014 Pecan Season Update, Pierce County Pecan Field Day and Meeting, Pierce County, Georgia

#### Research Poster Presentations

- Wells, M.L., D.V. Hagan, S. McKeever, and C.W. Berisford. 1996. Abundance and diversity of arthropod parasites of the Nantucket pine tip moth (Lepidoptera: Tortricidae) in Bulloch County, Georgia. North American Forest Insect Work Conference, San Antonio, Texas.
- Wells, M.L., J.R. Ruberson, and R.M. McPherson. 1997. Integrative management of cotton aphids in Georgia. Annual Meeting, Entomological Society of America, Nashville, Tennessee.
- Wells, M.L., R.M. McPherson, J.R. Ruberson, and G.A. Herzog. 1998. Integrative management of cotton aphids in the Georgia Coastal Plain. 62nd Annual Meeting, Georgia Entomological Society, Jekyll Island, Georgia.
- Wells, M.L., R.M. McPherson, and J.R. Ruberson. 1998. Population dynamics of coccinellids in tobacco. Annual Meeting, Entomological Society of America, Las Vegas, Nevada.
- Wells, M.L., J.R. Ruberson, R.M. McPherson, and Gary A. Herzog. 1999. Biotic suppression of cotton aphids in the Georgia Coastal Plain. Southeastern Branch Meeting, Entomological Society of America, Destin, Florida.
- Wells, M.L., A.K. Culbreath, H.R. Pappu, and J.W. Todd. 1999. Survey of tospoviruses from Peanut (*Arachis hypogaea*) in Georgia. Annual Meeting, Entomological Society of America, Atlanta, Georgia.
- Wells, M.L., A.K. Culbreath, H.R. Pappu, and J.W. Todd. 2000. A field survey for tospoviruses in Georgia peanut. 32nd Annual Meeting, American Peanut Research and Education Society, Point Clear, Alabama.
- Wells, M.L., A.K. Culbreath, J.W. Todd, S.L. Brown, and D.W. Gorbet. 2000. A

regression approach for assigning tomato spotted wilt virus risk assessment index values to new peanut cultivars. Annual Meeting, American Phytopathological Society, New Orleans, Louisiana.

- De Assiss Filho, F.M., B. Mandal, **M.L. Wells**, J.L. Sherwood, C.M. Deom, H. R. Pappu, J.W. Todd, and A.K. Culbreath. 2001. Integrated approach to mitigate spotted wilt. Georgia Peanut Farm Show. Georgia Peanut Producer's Association, Albany, Georgia.
- Wells, M.L.**, R.C. Kemerait, and A.K. Culbreath. 2003. Effectiveness of Reduced Fungicide Spray Programs for Peanut in Dougherty County, Georgia. Georgia Association of County Agricultural Agents Annual Meeting/Professional Improvement Conference. Valdosta, Georgia.
- Wells, M.L.**, K.A. Harrison. 2004. Evaluation of EASY Pan Irrigation Scheduling for Pecan Orchards. Georgia Association of County Agricultural Agents Annual Meeting/Professional Improvement Conference. Jekyll Island, Georgia.
- Wells, M.L.** 2005. Survey of Leaf Nutrition & Soil Fertility in Georgia Pecan Orchards. Georgia Association of County Agricultural Agents Annual Meeting/Professional Improvement Conference. Tifton, GA.
- Wells, M.L.** 2007. Effect of Foliar Boron Application on Pecan. American Society for Horticultural Science Annual Meeting, Scottsdale, AZ.
- Wells, M.L.** 2008. Response of Two Pecan Cultivars to Spring Freeze Injury. American Society for Horticultural Science Annual Meeting, Orlando, FL.
- Wells, M.L.** 2009. Effects of soil applied imazapic on pecan production. Georgia Association of County Agricultural Agents Annual Meeting/Professional Improvement Conference. Savannah, GA.
- Wells, M.L.** 2011. Effects of clover cover crops and poultry litter on pecan orchard soil microbial activity. American Society for Horticultural Science Annual Conference, Waikoloa, Hawaii.
- Wells, M.L.** 2013. A reduced early season irrigation schedule for Southeastern U.S. pecan production. American Society for Horticultural Science Annual Conference, Palm Desert, California.
- Wells, M.L.** 2014. Enhancing irrigation efficiency for pecans in humid climates. 29<sup>th</sup> International Horticultural Congress, Brisbane, Australia.

## Books

- Dutcher, J. D., **Wells, M. L.**, Brenneman, T. B., Patterson, M. G. (2009). Integration of insect and mite, disease, and weed management to improve pecan production. *In* Intergrated pest and disease management vol. 5.. In A. Ciancio and K. G. Mukerji (Ed.), *Springer Publishing*. (ed., vol. 5, pp. 33 pages). Dordrecht.
- Wells, M.L.** 2013. Agricultural practices to reduce microbial contamination of nuts. *In* Harris, L.J. (Ed.). *Improving the Safety & Quality of Nuts*. Woodhead Publishing. Cambridge, UK.
- Wells, M.L.** 2016. *The Pecan: America's Tree of Life*. The University of Alabama Press. Tuscaloosa, AL (In Press).

### Refereed Journal Publications

- Wells, M.L.**, and R.M. McPherson. 1999. Population dynamics of three coccinellids in flue-cured tobacco and functional response of *Hippodamia convergens* feeding on tobacco aphids. *Environmental Entomology* 28: 768-773.
- Wells, M.L.**, R.M. McPherson, J.R. Ruberson, and G.A. Herzog. 2000. Effect of fungicide applications on activity of *Neozygites fresenii* and cotton aphid suppression. *Journal of Economic Entomology* 93:1118-1126.
- Wells, M.L.**, R.M. McPherson, and J.R. Ruberson. 2001. Predation of parasitized and unparasitized cotton aphids by larvae of two coccinellids. *Journal of Entomological Science* 36: 93-96.
- Wells, M.L.**, D.V. Hagan, and R.M. McPherson. 2001. Survey of parasitoids associated with *Rhyacionia frustrana* in Bulloch County, Georgia. *Journal of Entomological Science* 36: 101-104.
- McPherson, R.M., **M.L. Wells**, and C.S. Bundy. 2001. Impact of the early soybean production system on arthropod pest populations in Georgia. *Environmental Entomology* 30: 76-81.
- Wells, M.L.**, R.M. McPherson, J.R. Ruberson, and G.A. Herzog. 2001. Coccinellids in cotton: Population response to pesticide applications and feeding response to cotton aphids. *Environmental Entomology* 30: 785-793.
- Wells, M.L.**, H.R. Pappu, A.K. Culbreath, J.W. Todd, and S.L. Brown. 2001. Field survey of impatiens necrotic spot virus in Georgia peanut. *Peanut Science* 28: 34-37.
- Wells, M.L.**, A.K. Culbreath, J.W. Todd, S.L. Brown, and D.W. Gorbet. 2002. A regression approach for comparing field resistance of peanut cultivars to tomato spotted wilt tospovirus. *Crop Protection* 21: 467-474.
- Wells, M.L.**, R.D. Gitaitis, and F.H. Sanders. 2002. The association of tobacco thrips, *Frankliniella fusca*, with two species of bacteria of the genus *Pantoea*. *Annals of the Entomological Society of America* 95: 719-723.
- Wells, M.L.**, A.K. Culbreath, and J. W. Todd. 2002. Effect of in-furrow and foliar applications of acibenzolar-S-methyl and phorate on tomato spotted wilt virus and thrips in peanut. *Peanut Science* 29:136-141.
- Wells, M.L.**, A.K. Culbreath, A.S. Csinos, and J.W. Todd. 2002. Effects of a plant activator and insecticides on tobacco thrips feeding and survival. *Journal of Agricultural and Urban Entomology* 19:117-120.
- Wells, M.L.**, A.K. Culbreath, J.W. Todd, A.S. Csinos, B. Mandal, and R.M. McPherson. 2002. Dynamics of spring tobacco thrips populations: Implications for management of tomato spotted wilt virus. *Environmental Entomology* 31:1282-1290.
- Gitaitis, R.D., R.R. Walcott, **M.L. Wells**, J.C. Diaz-Perez, and F.H. Sanders. 2003. Transmission of *Pantoea ananatis*, causal agent of center rot of onion, by tobacco thrips, *Frankliniella fusca*. *Plant Disease* 87: 675-678.
- Wilson, J.P., C.C. Holbrook, B. Mandal, D.L. Rowland, **M.L. Wells**, and D.M. Wilson.

2004. Efficacy of foliar applications of particle films and genotype for managing thrips, disease, and aflatoxin in peanut. Online. Plant Health Progress doi:10.1094/PHP-2004-0419-01-RS.

- Wells, M.L.**, and B.W. Wood. 2007. Relationships between leaflet nitrogen: potassium ratio and yield of pecan. *HortTechnology* 17: 473-479.
- Wells, M.L.**, P. J. Conner, J. F. Funderburk, and J. G. Price. 2008. Effects of foliar-applied boron on fruit retention, fruit quality, and tissue boron concentration of pecan. *HortScience* 43: 696-699.
- Wells, M.L.** 2008. Response of 'Desirable' and 'Kiowa' pecan to a late spring freeze. *HortTechnology* 18: 455-459.
- Wells, M.L.**, and B.W. Wood. 2008. Foliar boron and nickel applications reduce water-stage fruit-split of pecan. *HortScience* 43: 1437-1440.
- Wells, M.L.** 2009. Pecan nutrient element status and orchard soil fertility in the southeastern United States coastal plain. *HortTechnology* 19: 432-438.
- Wells, M.L.**, D.S. Carlson, and R.P. Edwards. 2009. Profitability of mechanical fruit thinning of 'Sumner' and 'Cape Fear' pecan. *HortTechnology* 19: 518-520.
- Wells, M. L.**, and E.P. Prostko. 2010. Effects of soil applied imazapic on pecan production. *HortTechnology* 20: 427-430.
- Wells, M.L.** 2010. Influence of aldicarb on growth and fruiting of pecan transplants. *HortTechnology* 20: 556-559.
- Wood, B.W., **M.L. Wells**, and F. Funderburke. 2010. Influence of elevating tree potassium on fruit drop and yield of pecan. *HortScience* 45: 911-917.
- Wells, M.L.** 2011. Response of pecan orchard soil chemical and biological quality indicators to poultry litter application and clover cover crops. *HortScience* 46: 306-310.
- Wells, M.L.** 2011. Nitrogen availability in pecan orchard soil: implications for pecan fertilizer management. *HortScience* 46: 1294-1297.
- Shapiro-Ilan, D. I., W. A. Gardner, **L. Wells**, and B. W. Wood. 2012. Cumulative impact of a clover cover crop on the persistence and efficacy of *Beauveria bassiana* in suppressing the pecan weevil (Coleoptera: Curculionidae). *Environmental Entomology* 41: 298-307.
- Wells, M.L.** 2012. Pecan tree productivity, fruit quality, and nutrient element status utilizing clover and poultry litter as alternative nitrogen fertilizer sources. *HortScience* 47(7):927-931.
- Wells, M.L.** 2013. Pecan response to nitrogen fertilizer placement. *HortScience* 48:369-372.
- Shapiro-Ilan, D., W.A. Gardener, **M. L. Wells**, T.E. Cottrell, R.W.Behle, and B.W. Wood. 2013. Effects of entomopathogenic fungus species and impact of fertilizers on biological control of pecan weevil. *Environmental Entomology* 42:253-261.
- Smith, M.W., W.D. Goff, and **M.L. Wells**. 2013. Pecan orchard renewal: Influence of established trees and remaining stumps on transplant growth and crown gall infection. *HortScience* 48:720-723.
- Grey, T.L., F.S. Turpin, **M.L. Wells**, and T.M. Webster. 2014. A survey of weeds and herbicides in Georgia pecan. *Weed Technology* 28:552-559
- Wells, M.L.**, J. Brock, and T. Brenneman. 2014. Effects of foliar sulfur sprays on pecan independent of pecan scab control. *HortScience* 49:434-437.

- K.S. Robbins, Y. Ma, **M.L. Wells**, P. Greenspan, and R.B. Pegg. 2014. Separation and characterization of phenolic compounds from U.S. pecans by liquid chromatography–tandem mass spectrometry. *Journal of Agricultural and Food Chemistry* 62:4332-4341.
- Wells, M.L.** 2014. Pecan planting trends in Georgia. *HortTechnology* 24:475-479.
- K.S. Robbins, Y. Gong, **M.L. Wells**, P. Greenspan, and R.B. Pegg. 2015. Investigation of the antioxidant capacity and phenolic constituents of U.S. pecans. *Journal of Functional Foods* 15:11-22.
- Wells, M.L.** 2015. Growth and nitrogen status of young pecan trees using fertigation. *HortScience* (In Press).
- Wells, M.L.** 2015. Irrigation water management for pecans in humid climates. *HortScience* (In Press).

13

### **Regional Publications**

- Wells, M.L.** (Editor). 2007. *Southeastern Pecan Growers Handbook*. University of Georgia Cooperative Extension Publication 1327.

### **Extension Publications**

- Wells, M.L.** 2005. Mouse Ear of Pecan. University of Georgia Cooperative Extension Circular 893.
- Hudson, W.G., J.H. Brock, S. Culpepper, and **M.L. Wells**. 2005. Georgia Pecan Pest Management Guide. University of Georgia Cooperative Extension Bulletin 841.
- Wells, M.L.**, and K.A. Harrison. 2006. Cultural Management of Commercial Pecans. University of Georgia Cooperative Extension Bulletin 1304 .
- Wells, M.L.**, and P. Conner. 2006. Pecan Varieties for Georgia Orchards. University of Georgia Cooperative Extension Circular 898.
- Hudson, W.G., J.H. Brock, S. Culpepper, and **M.L. Wells**. 2006. Georgia Pecan Pest Management Guide. University of Georgia Cooperative Extension Bulletin 841.
- Wells, M.L.** 2006. Establishing a Pecan Orchard. University of Georgia Cooperative Extension Bulletin 1314.
- Hudson, W.G., J.H. Brock, S. Culpepper, and **M.L. Wells**. 2007. Georgia Pecan Pest Management Guide. University of Georgia Cooperative Extension Bulletin 841.
- Wells, M.L.** 2007. Cultural, Nutritional, and Environmental Disorders of Pecan. University of Georgia Cooperative Extension Bulletin 1332.
- Wells, M.L.**, W.G. Hudson, and J. Brock. 2008. Pecans For The Home or Backyard Orchard. University of Georgia Cooperative Extension Bulletin 1348.
- Hudson, W.G., J.H. Brock, S. Culpepper, and **M.L. Wells**. 2008. Georgia Pecan Pest Management Guide. University of Georgia Cooperative Extension Bulletin 841.
- Hudson, W.G., J.H. Brock, S. Culpepper, and **M.L. Wells**. 2009. Georgia Pecan Pest Management Guide. University of Georgia Cooperative Extension Bulletin 841.
- Wells, M.L.**, and G. Hawkins. 2009. Best Management Practices for Poultry Litter in Pecan Orchards. University of Georgia Cooperative Extension Circular 939.
- Wells, M.L.** 2009. Clover Management in Pecan Orchards. University of Georgia Cooperative Extension Bulletin 1360.

**Wells, M.L.** 2011. Budding and Grafting of Pecan. University of Georgia Cooperative Extension Bulletin 1376.

### **Educational Videos**

**Wells, M.L.** and B. Haire. 2010. Mechanical Fruit Thinning of Pecan DVD.

### **Research Reports**

Riley, D., R.M. McPherson, and **M.L. Wells**. 2005. Thrips vectors of tomato spotted wilt virus, pp. 13-16. *In* Tospoviruses in Solonaceae and other crops in the Coastal Plain of Georgia. University of Georgia College of Agricultural and Environmental Sciences Research Report No. 704.

Riley, D., R.M. McPherson, **M.L. Wells**, and S. L. Brown. 2005. Thrips on Solanceous crops, pp. 24-26. *In* Tospoviruses in Solonaceae and other crops in the Coastal Plain of Georgia. University of Georgia College of Agricultural and Environmental Sciences Research Report No. 704.

### **Miscellaneous Publications**

Crowe, B.D., J.D. Taylor, R.M. McPherson, and **M.L. Wells**. 1997. Tobacco aphid control in flue-cured tobacco, 1996 Arthropod Management Tests 1997. 22: 325.

Crowe, B.D., J.D. Taylor, R.M. McPherson, C.S. Bundy, and **M.L. Wells**. 1997. Tobacco aphid control in Georgia flue-cured tobacco. 1996 Georgia Tobacco Research Extension Report. Univ. Ga. Agric. Environ. Sci. Cooperative Research-Extension Publication No. 1-97: 33-35.

Taylor, J.D., R.M. McPherson, B.D. Crowe, and **M.L. Wells**. 1997. Tobacco budworm and hornworm control in Georgia flue-cured tobacco. 1996 Georgia Tobacco Research Extension Report. Cooperative Research-Extension Publication No. 1-97: 38-44.

McPherson, R.M., J.D. Taylor, B.D. Crowe, and **M.L. Wells**. 1998. Tobacco budworm and thrips control. 1997 Georgia Tobacco Research Extension Report. Cooperative Research-Extension Publication No. 1-98: 59-63.

McPherson, R.M., B.D. Crowe, and **M.L. Wells**. 1998. Late-season tobacco hornworm control. 1997 Georgia Tobacco Research Extension Report. Cooperative Research-Extension Publication No. 1-98: 77-79.

Taylor, J.D., C.S. Bundy, **M. L. Wells**, and R.M. McPherson. 1998. Control of stink bugs and lepidopterans on Georgia soybeans, 1997. Arthropod Management Tests 1998. 23: 284-285.

McPherson, R.M., J.D. Taylor, and **M.L. Wells**. 1999. Tobacco budworm control. 1998 Georgia Tobacco Research Extension Report. Cooperative Research-Extension Publication No. 1-99: 81-85.

**Wells, M.L.**, and R.M. McPherson. 1999. Coccinellids as biological control agents of tobacco aphids. 1998 Georgia Tobacco Research Extension Report. Cooperative Research-Extension Publication No. 1-99: 92-94.

**Wells, M.L.**, J.R. Ruberson, R.M. McPherson, and G.A. Herzog. 1999. Selective use of pesticides and natural enemies to enhance the IPM system for cotton aphids. 1998

- Georgia Cotton Research-Extension Report. Cooperative Research-Extension Publication No. 4: 209-212.
- McPherson, R.M., J.D. Taylor, and **M.L. Wells**. 1999. Tobacco budworm control on flue-cured tobacco, 1998. *Arthropod Management Tests* 1999. 24: 306-307.
- McPherson, R.M., **M.L. Wells**, and C.S. Bundy. 1999. Control of stink bugs and velvetbean caterpillar on Georgia soybeans, 1998. *Arthropod Management Tests* 1999. 24: 289-290.
- McPherson, R.M., **M. L. Wells**, and C.S. Bundy. 2000. Tobacco budworm control and impact on other tobacco insect pests. 1999 Georgia Tobacco Research-Extension Report. Cooperative Research-Extension Publication No. 1-2000: 93-96.
- McPherson, R.M., **M. L. Wells**, and C.S. Bundy. 2000. Budworm control on flue-cured tobacco. 1999 Georgia Tobacco Research Extension Report. Cooperative Research-Extension Publication No. 1-2000: 106-110.
- Wells, M.L.**, A.S. Csinos, and H.R. Pappu. 2001. Alternative applications of Admire for tomato spotted wilt virus management. 2000 Georgia Tobacco Research-Extension Report. Cooperative Research-Extension Publication No. 1-2001: 156-157.
- Wells, M.L.**, A.S. Csinos, H.R. Pappu, M.G. Stephenson. 2001. Environmental factors affecting tomato spotted wilt virus. 2000 Georgia Tobacco Research-Extension Report. Cooperative Research-Extension Publication No. 1-2001: 167-168.
- Gitaitis, R.D., F.H. Sanders, R.R. Walcott, D.G. Riley, and **M.L. Wells**. 2001. Detection of *Pantoea ananatis*, causal bacterium of center rot of onion in tobacco thrips. 2000 Georgia Onion Research-Extension Report. Cooperative Extension Publication No. 3-2001: 27.
- Wells, M.L.**, B. Mandal, A.S. Csinos, and M.G. Stephenson. 2002. Greenhouse evaluation of tobacco thrips population development and feeding damage on eleven varieties of flue-cured tobacco. 2001 Georgia Tobacco Research-Extension Report. Cooperative Research-Extension Publication No. 1-2002: 138-139.
- Wells, M.L.**, A.S. Csinos, and H.R. Pappu. 2002. Alternative applications of Admire for TSWV management. 2001 Georgia Tobacco Research-Extension Report. Cooperative Research-Extension Publication No. 1-2002: 129-130.
- Csinos, A.S., B. Mandal, **M.L. Wells**, M.G. Stephenson, J.E. Laska, and N. Martinez. 2002. Control of TSWV with actigard timing, methods, and efficacy and phytotoxicity tests. 2001 Georgia Tobacco Research-Extension Report. Cooperative Research-Extension Publication No. 1-2002: 121-124.
- Brock, J.H., P.F. Bertrand, and **M.L. Wells**. 2005. Evaluation of Orbit/Super Tin tank mixes for control of scab on pecan. *Fungicide and Nematicide Tests* 60: STF012.

#### Conference Proceedings/Abstracts

- McPherson, R.M., **M.L. Wells**, and C.S. Bundy. 1998. Seasonal abundance of three coccinellids on Georgia flue-cured tobacco. Proc. 38th Tobacco Worker's Conference.
- Wells, M.L.**, R.M. McPherson, J.R. Ruberson, and G.A. Herzog. 1998. Integrating biological control with selective insecticides for environmentally sound management of cotton aphids, pp. 1058-1061. *In Proceedings Beltwide Cotton Production and Research Conferences*, San Diego, California, National Cotton Council of America, Memphis, Tennessee.
- Wells, M.L.**, J. R. Ruberson, R.M. McPherson, and G.A. Herzog. 1999. Biotic suppression of the cotton aphid in the Georgia Coastal Plain, pp. 1011-1014. *In Proceedings Beltwide*

- Cotton Production and Research Conferences, Orlando, Florida, National Cotton Council of America, Memphis, Tennessee.
- McPherson, R.M., C.S. Bundy, and **M.L. Wells**. 1999. Insect pest management tactics for soybeans, pp. 79-83. *In Proceedings Midwest Soybean Conference 4, Global Soy Forum, Chicago, Illinois.*
- Wells, M.L.**, A.K. Culbreath, H.R. Pappu, and J.W. Todd. 2000. A field survey for tospoviruses in Georgia peanut, p. 19. *In Proceedings American Peanut Research and Education Society Vol 32, Annual Meeting, Point Clear, Alabama.*
- Wells, M.L.**, A.K. Culbreath, and J.W. Todd. 2001. Effects of actigard on tomato spotted wilt virus and thrips in peanut, p. 24. *In Proceedings American Peanut Research and Education Society Vol 33, Annual Meeting, Oklahoma City, Oklahoma.*
- Wells, M.L.**, A.K. Culbreath, and J.W. Todd. 2002. The role of cotton in tomato spotted wilt virus epidemics of peanut in Georgia, p. 105. *In Proceedings American Peanut Research and Education Society Vol. 34, Annual Meeting, Raleigh, North Carolina.*
- Wells, M.L.** 2006. Nutritional survey of Georgia pecan orchards and yield response to the N:K ratio. *In Proceedings Southeastern Pecan Growers Association 99: 101-109.*
- Wells, M.L.** 2007. Effect of foliar boron application on pecan. *HortScience 42: 956.*
- Wells, M.L.** 2007. Foliar boron nutrition of pecan. *Proceedings Southeastern Pecan Growers Association 100: 129-132.*
- Wells, M.L.** 2007. Areas of growth or decline in the southeastern pecan industry. *Proceedings Western Pecan Growers Conference 41: 24-25.*
- Wells, M.L.**, and W.D. Goff. 2008. Effects of orchard thinning on shuck split and kernel quality, *Proceedings Southeastern Pecan Growers Association 101: 115-120.*
- Wells, M.L.** 2008. Foliar boron applications to pecan. *Proceedings Oklahoma Pecan Growers Association 78: 32-38.*
- Wells, M.L.** 2008. Response of two pecan cultivars to spring freeze injury. *HortScience 43: 1274.*
- Wells, M.L.** 2009. Orchard soil health and pecan management. *Proceedings Southeastern Pecan Growers Association 102: 106-109.*
- Wells, M.L.**, and E.G. Fonsah. 2009. Poultry litter budget for Georgia. *Proceedings Southeastern Pecan Growers Association 102: 122-128.*
- Wells, M.L.** 2009. Mechanical fruit thinning enhances production of Cape fear and Sumner Pecan. *HortScience 44: 1016.*
- Wells, M.L.** 2010. Good agricultural practices for pecans. *Proceedings Western Pecan Growers Conference 44: 38-41.*
- Wells, M.L.** 2010. Planting and care of young pecan trees. *Proceedings Southeastern Pecan Growers Association 103: 35-40.*
- Wells, M.L.** 2011. Effects of clover cover crops and poultry litter on pecan orchard soil microbial activity. *HortScience 43: 1274.*

#### **Popular Media and Trade Publications**

- Gardening Report for Zone 8a - *Georgia Gardening Magazine* 2002-2004
- Top 10 Tomato Tips- *Progressive Farmer Magazine*, June/July 2004.



- Bi-weekly agriculture and horticulture column, Albany Herald - August 2002-December 2006.
- Contributing Editor and regular columnist, *The Pecan Grower Magazine*, 2004-Present.
- Regular Columnist for monthly publication, *Pecan South Magazine*, 2004-Present
- Dr. Wells has made 53 television appearances since 2002 to discuss areas of responsibility
- Dr. Wells has appeared on 42 radio programs since 2005
- Dr. Wells has been interviewed 64 times since 2002 by various newspaper and popular media

#### Other Media

- UGA Pecan Blog (<http://blog.extension.uga.edu/pecan/>)
- UGA Extension Pecan Website (<http://www.tifton.uga.edu/ugapecan/>)

#### Awards & Recognition

- 2004** 3<sup>rd</sup> Place, Educational Poster, Georgia Association of County Agricultural Agents; "Dougherty County Pecan Extension Program"
- 2004** Georgia Association of County Agricultural Agents Mass Communication Award Fact Sheet
- 2004** Georgia Association of County Agricultural Agents Mass Communication Award Direct Mail Piece
- 2004** Georgia Association of County Agricultural Agents Mass Communication Award Newspaper Column
- 2004** National Association of County Agricultural Agents Mass Communication Award, Regional Finalist—Newspaper Column
- 2005** 1<sup>st</sup> Place, State Staff Educational Poster, Georgia Association of County Agricultural Agents: "Survey of Leaf Nutrition & Soil Fertility in Commercial Pecan Orchards"
- 2006** American Society for Horticultural Science, Southern Region Extension Communication Award, Blue Ribbon Winner: "Mouse Ear of Pecan"
- 2006** Georgia Association of County Agricultural Agents, Young Professional Award
- 2008** John E. Hutchison Extension Award, American Society for Horticultural Science, Southern Region

American Society for Horticultural Science, Southern Region Extension Communication Award, Blue Ribbon Winner: "Southeastern Pecan Growers Handbook"

Outstanding Presentation Award, Southeastern Pecan Growers Association

- 2009** President's Teamwork Award. Georgia Pecan Growers Association.  
2<sup>nd</sup> Place, State Staff Educational Poster, Georgia Association of County Agricultural Agents. "Effects of Soil Applied Imazapic on Pecan Production"
- 2011** President's Award, Georgia Pecan Growers Association  
Outstanding Extension Publication Award (Video Section), American Society for Horticultural Science, "Mechanical Fruit Thinning of Pecan"
- 2013** Outstanding Presentation Award, Southeastern Pecan Growers Association
- 2014** Distinguished Alumnus Award, Valdosta State University, College of Arts & Sciences, Department of Biology

### **External Funding**

- 1998** Co-Principal Investigator  
Stink Bug Control Evaluations in Soybean and Cotton  
Funded by Rhone Poulenc  
\$2500
- Co-Principal Investigator  
Impact of Dimilin on Egg Hatch and Survival of Stink Bugs  
Funded by Uniroyal  
\$2000
- 2000** Co-Principal Investigator  
Alternative Applications of Admire for TSWV Management  
Funded by Georgia Agricultural Commodity Commission for Tobacco  
\$2000
- Co-Principal Investigator  
Environmental Factors Affecting TSWV  
Funded by Georgia Agricultural Commodity Commission for Tobacco  
\$9500
- 2001** Co-Principal Investigator  
Alternative Applications of Admire for TSWV Management  
Funded by Georgia Agricultural Commodity Commission for Tobacco  
\$2000
- Co-Principal Investigator  
Examining the Georgia Tobacco Farmscape for Early Season Thrips vectors of Tomato Spotted Wilt

Funded by Georgia Agricultural Commodity Commission for Tobacco  
\$4900

**2002**

Co-Principal Investigator  
Mapping the Distribution of Tomato Spotted Wilt Virus and Impatiens  
Necrotic Spot Virus in Peanut Fields Throughout Georgia  
Funded by Georgia Peanut Commission  
\$500

**2004**

Co-Principal Investigator  
Evaluation of EASY Pan Irrigation Scheduling for Pecan Orchards.  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$1500

19

Co-Principal Investigator  
Application Methods for Imidacloprid in Pecan  
Funded by Bayer Crop Science  
\$1500

19

**2005**

Principal Investigator  
Micronutrient Survey of Commercial Pecan Orchards  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$2500

Principal Investigator  
Growth Response of Pecan Transplants to Imidacloprid  
Funded by Bayer Crop Science  
\$2000

**2006:**

Principal Investigator  
Alternative Fertilizer Strategies for Pecan  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$3000

Principal Investigator (Editor)  
Georgia Pecan Grower's Handbook  
Funded by Georgia Agricultural Commodity Commission for Pecans,  
Georgia Pecan Growers Association and UGA CAES Contingency Funds  
\$20,000

Principal Investigator

Effect of Dimilin/Boron Applications on Pecan Yield  
Funded by Chemtura  
\$3000

**2007:** Principal Investigator  
Nutritional Management Strategies to Increase Pecan Profitability  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$8000

Principal Investigator  
Weed Management for Enhancement of Clover in Commercial Pecan  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$3000

Principal Investigator  
Growth Response of Pecan Transplants to Imidacloprid and Aldicarb  
Funded by Bayer Crop Science  
\$2000

Principal Investigator  
Acramite Investigations on Pecan  
Funded by Chemtura  
\$3000

**2008:** Principal Investigator  
Humic Acid Trials on Pecan  
Funded by Helena Chemical  
\$5000

Principal Investigator  
Enhancing Nitrogen Efficiency for Pecans  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$9000

Co-Principal Investigator  
Monitoring the Soil Moisture Profile of Pecan Drip Irrigation Systems in a  
Coastal Plain Soil  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$11,000

**2009:** Principal Investigator  
Enhancing Fertilizer and Water Use Efficiency for Pecans  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$10,000

Principal Investigator  
Mechanical Fruit Thinning of Pecan DVD

Funded by Georgia Agricultural Commodity Commission for Pecans  
\$2500

Co-Principal Investigator  
Hydrophilic and Lipophilic Antioxidant Capacities of Georgia Pecans  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$10,081

Principal Investigator  
Humic Acid Trials on Pecan  
Funded by Helena Chemical  
\$6000

Principal Investigator  
Effects of Foliar Potassium Nitrate Sprays on Pecan Production  
Funded by SQM  
\$1500

**2010**

Principal Investigator  
Optimizing Fertilizer and Water Use Efficiency for Pecans  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$10,000

Principal Investigator  
Alion Herbicide Trial  
Funded by Bayer Crop Science  
\$2500

Principal Investigator  
Dimilin Yield Enhancement of Pecan  
Funded by Chemtura  
\$4000

Co-PI  
Hydrophilic and Lipophilic Antioxidant Capacities of Pecan  
Funded by Georgia Agricultural Commodity Commission for Pecans  
\$10,531

Principal Investigator  
Humic Acid Trials on Pecan  
Funded by Helena Chemical  
\$6000

**2011**

Principal Investigator  
Nitrogen, Sulfur, and Water management for Pecans

Funded by Georgia Agricultural Commodity Commission for Pecans  
\$8,500

Principal Investigator  
Pecan Research, Demonstration, and Education Orchard  
Funded by Georgia Agricultural Commodity Commission for  
Pecans  
\$3,750

Co-PI  
Systems Approach At Improving The Long-Term Competitiveness Of  
U.S. Pecans Based On Their Nutritional And Health-Promoting  
Components  
Funded by USDA SCRI  
\$1,219,636 (Wells portion: \$86,000)

Principal Investigator  
Dimilin Yield Enhancement of Pecan  
Funded by Chemtura  
\$2500

Principal Investigator  
Alion Herbicide Trial  
Funded by Bayer Crop Science  
\$2000

Principal Investigator  
MCCP Trials for Pecan  
Dow AgroSciences  
\$8000

Donation  
Pecan Research & Extension  
Southeastern Pecan Growers Association  
\$1000

**Professional Meetings Attended**

- 60th (1996) Annual Meeting, Georgia Entomological Society, Savannah, Georgia
- 57th (1996) Annual Meeting, Association of Southeastern Biologists, Statesboro, Georgia
- 61st (1997) Annual Meeting, Georgia Entomological Society, Helen, Georgia
- 1997 Annual Meeting, Entomological Society of America, Nashville, Tennessee
- 1998 Beltwide Cotton Production and Research Conferences, San Diego, California
- 62nd (1998) Annual Meeting, Georgia Entomological Society, Jekyll Island, Georgia

1998 Annual Meeting, Entomological Society of America, Las Vegas, Nevada  
1999 Beltwide Cotton Production and Research Conferences, Orlando, Florida  
1999 Annual Meeting, Entomological Society of America, Southeastern Branch, Destin, FL  
63rd (1999) Annual Meeting, Georgia Entomological Society, Tifton, Georgia  
1999 Annual Meeting, Entomological Society of America, Atlanta, Georgia  
64th (2000) Annual Meeting, Georgia Entomological Society, Athens, Georgia  
32nd (2000) Annual Meeting, American Peanut Research and Education Society, Point  
Clear, Alabama  
2000 Annual Meeting, American Phytopathological Society, New Orleans, Louisiana  
2001 Annual Meeting, Entomological Society of America, Southeastern Branch, Augusta,  
Georgia  
65th (2001) Annual Meeting, Georgia Entomological Society, Gainesville, Georgia  
33rd (2001) Annual Meeting, American Peanut Research and Education Society, Oklahoma  
City, OK  
2001 Annual Meeting, American Phytopathological Society, Salt Lake City, Utah  
2001 Annual Meeting, Entomological Society of America, San Diego, California  
40<sup>th</sup> (2002) Tobacco Worker's Conference, Pinehurst, North Carolina  
34<sup>th</sup> (2002) Annual Meeting, American Peanut Research and Education Society, Raleigh,  
North Carolina  
38<sup>th</sup> (2003) Annual Conference, Georgia Pecan Grower's Association, Perry, Georgia  
2003 Georgia Association of County Agricultural Agents AM/PIC, Valdosta, Georgia  
39<sup>th</sup> (2004) Annual Conference, Georgia Pecan Grower's Association, Perry, Georgia  
2004 Georgia Association of County Agricultural Agents AM/PIC, Jekyll Island, Georgia  
2005 Fruit & Vegetable Growers Annual Conference, Savannah, Georgia  
2005 Southeastern Pecan Growers Association Annual Meeting, Orange Beach, Alabama  
2005 National Pecan Scientists Workshop, Branson, Missouri  
2006 American Society for Horticultural Science, Southern Region Annual Meeting,  
Orlando, Florida  
2006 Southeastern Pecan Growers Association Annual Meeting, Panama City Beach, Florida  
2007 Southeastern Pecan Growers Association, Annual Meeting, Panama City Beach,  
Florida  
2007 Western Pecan Growers Association Annual Conference, Las Cruces, New Mexico  
2007 American Society for Horticultural Science, Annual Meeting, Scottsdale, Arizona  
2008 Southeastern Pecan Growers Association Annual Meeting, Biloxi, Mississippi  
2008 American Society for Horticultural Science, Southern Region, Annual Meeting, Dallas,  
Texas  
2008 Oklahoma Pecan Growers Association, Tulsa, Oklahoma  
2008 Texas Pecan Growers Association, Houston, Texas.  
2008 American Society for Horticultural Science, Annual Meeting, Orlando, Florida  
2008 National Pecan Shellers Association, San Francisco, California  
2009 American Society for Horticultural Science, Southern Region Annual Meeting,  
Atlanta, Georgia.  
2009 Arkansas Pecan Growers Association Annual Meeting, Little Rock, Arkansas  
2009 Southeastern Fruit & Vegetable Growers Annual Conference, Savannah, Georgia  
2009 Southeastern Pecan Growers Association Annual Meeting, Destin, Florida

2009 Georgia Pecan Growers Association Annual Meeting, Perry, Georgia  
2009 National Pecan Scientists Workshop, Ardmore, Oklahoma  
2009 American Society for Horticultural Science Annual Meeting, St. Louis, Missouri  
2009 X Seminario Internacional de Nogal Pecanero. Hermosillo, Sonora, Mexico  
2009 Alabama Pecan Growers Association Conference. Fairhope, Alabama  
2009 Florida Pecan Growers Association Annual Meeting, Monticello, Florida  
2009 Georgia Association of County Agricultural Agents, Savannah, Georgia  
2009 National Association of County Agricultural Agents Annual Meeting, Portland, Oregon  
2010 Southeastern Fruit & Vegetable Growers Conference, Savannah, GA  
2010 Georgia Pecan Growers Assoc. Conference, Perry, GA  
2010 Georgia Pecan Growers Assoc. Field Day, Ft. Valley, GA  
2010 Georgia Farm Bureau Conference, Pecan Session, Jekyll Island, GA  
2010 ASHS-SR Conf., Orlando, FL  
2010 Southeastern Pecan Growers Assoc. Ann. Mtg., Destin, FL  
2010 Western Pecan Growers Conference, Las Cruces, NM  
2010 Texas Pecan Growers Conference, San Marcos, TX  
2010 Alabama Pecan Growers Conference, Fairhope, AL  
2011 Southeastern Fruit & Vegetable Growers Conference, Savannah, GA  
2011 Georgia Pecan Growers Assoc. Conference, Perry, GA  
2011 Georgia Pecan Growers Assoc. Field Day, Tifton, GA  
2011 Southeastern Pecan Growers Assoc. Ann. Mtg., Biloxi, MS  
2011 Louisiana Pecan Growers Conference, Shreveport, LA  
2011 Alabama Pecan Growers Conference, Fairhope, AL  
2011 American Society for Horticultural Science, Waikoloa, Hawaii  
2013 American Society for Horticultural Science, Palm Desert, California  
2013 International Society for Horticultural Science, 1<sup>st</sup> International Pecan Symposium,  
College Station, TX  
2014 International Horticultural Congress, Brisbane, Queensland, Australia  
2014 Australian Pecan Growers Association, Beaudesert, Queensland, Australia  
2014 National Pecan Shellers Association, Seattle, Washington