

Name: Timothy L. Grey

Rank: Assistant Professor of Crop and Soil Science



Education:

<u>Degree</u>	<u>Year</u>	<u>Institution</u>	<u>Major Field</u>
B.S.	1986	University of Kentucky	Agronomy
M.S.	1992	Auburn University	Agronomy/ Crop, Soil, and Weed Science
Ph.D.	1996	Auburn University	Agronomy/ Crop, Soil, and Weed Science

List of Academic Positions:

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1984	University of Kentucky - Extension	Integrated Pest Management Scout
1991 - 92	Auburn University - Research	Graduate Research Assistant
1994 - 96	Auburn University - Research	Graduate Research Associate
1998 - 2002	University of Georgia - Research	Assistant Research Scientist Agronomist - Weed Science
2002-2005	University of Georgia - Research	Assistant Professor Agronomist - Weed Science, Pesticide Fate and Activity

List of Private Positions:

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1985 - 86	ICI of America - New Haven KY	Research Intern - Weed Science
1987 - 90	Self employed - Cecilia KY	Farmer
1993	Self employed - Cecilia KY	Farmer
1997	Monsanto Corporation - KY	Consultant - Biotechnology Weed Science

Membership in Professional Societies:

International Weed Science Society
Weed Science Society of America
Southern Weed Science Society
Beltwide Cotton Research Conference
American Peanut Research and Education Society
Georgia Crop Production Alliance
Kentucky Young Farmers Association
Kentucky and Georgia Farm Bureaus

Honors and Awards:

2006 Junior Research Scientist Award for Excellence, University of Georgia - Tifton Campus
1998 Central Hardin High School Future Farmers of America, Honorary Chapter Degree, Hardin Co. KY
1998 University of Kentucky Agriculture Outstanding Young Alumni Award
1995 Second place award-James L. Bryson Student Oral Presentations Southern Nurserymen's Association

International Invited Presentations:

2003 11th International Rapeseed Congress, Copenhagen Denmark.
2004 4th International Weed Science World Congress, Durban South Africa.

Publications (Career):

Refereed Journal Articles in press: 42 (24 as lead author) Popular Press articles: 3 Abstracts: 80
Journal Articles and Grants Reviewed: 52 (since 1999)

Work Experience:

University of Georgia

Department of Crop and Soil Science-Weed science research in peanut, cotton, soybean, wheat, canola, pine trees, and the vegetable crops sweet corn, squash, watermelon, and pepper, and weed biology. Topics of investigation included herbicide performance and behavior, crop establishment, growth, development, yield, and economic response to weeds, and herbicide by insecticide interactions. Currently researching the effects of polyethylene mulch on soil herbicide dissipation and pesticide dissipation from polyethylene mulch via photodegradation and irrigation. Served on regional research committee that reviewed herbicide-soil relationships in the Southeastern United States (S-286). Currently serving on SERA-IEG 33 and SERA-IEG 11 committees that studies current issues in weed biology, weed/crop interactions, and weed management in the southern region. I have traveled extensively to regional, national, and international meetings to present research.

Auburn University

Department of Agronomy and Soils. Weed science research in peanut and corn. Laboratory and field studies on the effects of herbicide sorption and mobility in plants, soils, fertilizers, and container media. Research into pesticide activity and fate in the environment determining chemical behavior in pH-altered soils and systems using exchange resins and gel-electrophoresis.

University of Kentucky

Department of Agronomy and Soils, Seed Testing Laboratory. Field and laboratory testing of seed using standards set forth by the Association of Official Seed Analysts. Conducted germination and cold test, cross-pollination, collected crop response and yield data for soybean, wheat, and corn.

Imperial Chemical Industries of America.

Field testing of pesticides to determine pest spectrum, chemical rates, and crop response.

Extension Experience:

Assisting weed extension specialist with setting up and conducting extension training of agents at field day training sessions in Tifton, May 30, 2002 and May 12, 2004. Collaborating with peanut and cotton extension team by speaking at county peanut meetings and discussing herbicides and weed control.

Deep South Weed Tour

Auburn University	1991-1992, 1994-1996
University of Georgia	1999 through 2004
Tour Directory	2002 - 2004

Monsanto Corporation, 1997

Contacted and met with valued retailers in four regional sales districts of Kentucky. Promoted Roundup Ready soybeans and corn to seed salesmen, designed field trials for promotions, and coordinated and conducted promotional field days.

Australia, visiting scientist - August 1998 and December of 1999

Visited and met with farmers, scientist, and industry personal from the agriculture production areas of Australia including the cotton and small grain production regions of The Darling Downs in New South Wales and Queensland, and the small grain and canola production regions in Victoria and Western Australia.

University of Kentucky

Cooperative Extension Service Integrated Pest Management Scout, Hardin County, Kentucky. Scouted crops for pest and crop development. Reported results to farmers and local extension service, assisted in making recommendations about pesticides, stand counts, and yield potential for corn, soybeans, wheat, and alfalfa.

Teaching Experience:

Pesticide Management Class. ENT0425/CRSS4250 - Team taught course about pesticides. I developed classes by utilizing the Herbicide Resistance Action Committee and Weed Science Society recommendations for mode of action management for weed resistance.

Chemistry and Use of Herbicides in Crop Production. AY 714 - Laboratory and part-time class instructor, Graduate level Herbicide Chemistry Class, Auburn University. Instructed on the use of herbicides in crops, horticulture, and lawn care. Emphasis was placed on herbicide chemistry and efficacy using radio-labeled tracer techniques, and fate of pesticides in the environment.

Departmental graduate student advisor and editor of Agronomy Graduate Student Orientation Handbook. Served as committee chair with Agronomy Department faculty and was responsible for modifications, corrections, and additions in handbook designed to assist incoming graduate students with their responsibilities to Auburn University and the Department of Agronomy for research and timely graduation.

Other Training:

Herbicide Action Course. Purdue University. October 1999.

Radiation Safety permit. University of Georgia. 2003.

Graduate Students:

Aaron Wise	University of Georgia, MS Advisor - 2005 to present
Jay B. Haider	University of Georgia, MS committee - 2005 to present
Rob Millings	University of Georgia, MS committee - 2005 to present
Paula Steptoe	University of Georgia, MS committee - 2003 to 2005
Jay Farrell	University of Georgia, Ph.D. committee - 2001 to 2003
Rebecca English	University of Georgia, Ph.D. committee - 2001 to 2003
Satish Kottipalli	Auburn University, MS committee - 2004
Glenn Fain	Auburn University, Ph.D. committee - 1999-2001

PUBLICATIONS - Refereed Journals:

1. **Grey, T.L.**, N.U. Mantripagada, A.S. Culpepper, and T.M. Webster. 2007. Halosulfuron-methyl, S-metholachlor, and sulfentrazone dissipation on bare-soil compared to soil under polyethylene mulch. *Pest Management Sci.* 62: Co-author review.
2. MacCrae, A., A.S. Culpepper, and **T.L. Grey**. 2007. Winter wheat (*Triticum aestivum*) tolerance to mesosulfuron. *Weed Technol.* Co-authors review.
3. **Grey, T.L.**, A.S. Culpepper, and T.M. Webster. 2007. Fall vegetable response to herbicides spring applied under polyethylene mulch. *Weed Technol.* 20: Co-author review.
4. Webster, T.M., W. Faircloth, T. Flanders, and **T.L. Grey**. 2007. Critical period of tropical spiderwort control in peanut (*Arachis hypogaea*). *Weed Sci.* Co-authors review.
5. **Grey, T.L.**, A.S. Culpepper, A.C. York, and A.M. Stewart. 2007. Glyphosate-resistant cotton (*Gossypium hirsutum*) response to glyphosate-based systems containing pyriithibac or trifloxysulfuron. *Weed Tech.* 20: Co-author review.
6. **Grey, T.L.**, P.A. Dotray, T.M. Webster, and W.J. Grichar. 2007. Soil and residual herbicide affect on peanut (*Arachis hypogaea*) seedling development. *Peanut Sci.* Submitted.
7. **Grey, T.L.**, T.M. Webster, J.W. Davis, and A.S. Culpepper. 2007. Glyphosate hinders purple (*Cyperus rotundus*) and yellow nutsedge (*C. esculentus*). *Weed Sci.* 55: USDA review.
8. **Grey, T.L.**, D.C. Bridges, P.L. Raymer, and J.W. Davis. 2006. Imazethapyr rate responses for wild radish, conventional, and imidazolinone-tolerant canola. *Plant Health Progress.* In press.
9. Culpepper, A.S., **T.L. Grey**, W.K. Vencill, J.M. Kichler, T.M. Webster, S.M. Brown, A.C. York, J.W. Davis, and W.W. Hanna. 2006. Glyphosate-resistant Palmer amaranth (*Amaranthus palmeri*)

- confirmed in Georgia. Weed Sci. 54: In press.
10. Prostko, E.P. **T.L. Grey**, and J.W. Davis. 2006. Texas panicum (*Panicum texanum*) control in irrigated field corn (*Zea mays*) with conventional and glyphosate herbicide systems. Weed Technol. 20: In press.
 11. **Grey, T.L.**, G. D. Buntin, P.M. Roberts, and D.C. Bridges 2006. Potential interaction of pendimethalin and systemic insecticides for thrips control in cotton Agron. J. 98:141-147.
 12. **Grey, T.L.**, P.L. Raymer, and D.C. Bridges. 2006. Postemergence rate and timing affects on weed control and herbicide resistant canola. Weed Technol. 20: In press.
 13. Gilliam, C., G. Wehtje, **T.L. Grey**, and E. Blythe. 2006. Potential for halosulfuron to control eclipta (*Eclipta prostrata*) in container-grown landscape plants and its sorption to container rooting substrate. Weed Technol. 20: 361-367.
 14. **Grey, T.L.** and D.C. Bridges. 2006. Control method and time of emergence effects on Florida beggarweed (*Desmodium tortuosum*) competition in peanut (*Arachis hypogaea*). Peanut Sci. 33: In press.
 15. Steptoe, P.J., W.K. Vencill, and **T.L. Grey**. 2006. Influence of moisture stress on herbicidal control of an invasive weed, Benghal Dayflower (*Commelina benghalensis*). J. of Plant Diseases and Protection. 113: 907-914.
 16. Webster, T.M., M.G. Burton, A.S. Culpepper, J.T. Flanders, **T.L. Grey**, and A.C. York. 2006. Tropical spiderwort (*Commelina benghalensis*) control and emergence patterns in preemergence herbicide systems. J. Cotton Sci. 10: 68-75.
 17. **Grey, T.L.** and G.W. Wehtje. 2005. Residual weed control systems in peanut (*Arachis hypogaea*). Weed Technol. 19:560-567.
 18. Wehtje, G.W. and **T.L. Grey**. 2005. Response of selected peanut (*Arachis hypogaea*) cultivars to early postemergence chlorimuron applications. Peanut Sci. 32: 119-123.
 19. **Grey, T.L.**, E.P. Prostko, C.W. Bednarz, and J.W. Davis. 2005. Cotton (*Gossypium hirsutum*) response to simulated imazapic residues. Weed Technol. 19:1045-1049.
 20. Prostko, E.P. **T.L. Grey**, R.N. Morgan, and J.W. Davis. 2005. Oat (*Avena sativa*) response to imazapic residues. Weed Technol. 19:875-878.
 21. Ferrell, J.A., W.K. Vencill, Kang Xia, and **T.L. Grey**. 2004. Sorption and desorption of flumioxazin to soil, clay minerals and ion-exchange resin. Pest Management Sci. 60:40-46.
 22. **Grey, T.L.**, D.C. Bridges, H.G. Hancock, and J.W. Davis. 2004. Influence of sulfentrazone rate and application method on peanut (*Arachis hypogae*) weed control. Weed Technol. 18:619-625.
 23. Norsworthy, J.K. and **T.L. Grey**. 2004. Addition of nonionic surfactant to glyphosate plus chlorimuron. Weed Technol. 18:588-593.
 24. Kwon, J.W., K.L. Armbrust, and **T.L. Grey**. 2004. Hydrolysis and photolysis of flumioxazin in aqueous buffer solutions. Pest Management Sci. 60:939-943.
 25. **Grey, T.L.**, P.L. Raymer, and G.D. Buntin. 2004. Tolerance of ALS-Resistant Canola to Soil Applied Residual Herbicides Used in Row Crop. GCIRC Bulletin 21:28-32.
 26. Raymer, P.L. and **T.L. Grey**. 2003. Challenges in comparing transgenic and nontransgenic soybean cultivars. Crop Sci. 43:1584-1589.
 27. **Grey, T.L.** and D.C. Bridges. 2003. Winter wheat (*Triticum aestivum*) tolerance and Italian ryegrass (*Lolium multiflorum*) control with diclofop, flufenacet, metribuzin, metsulfuron, and chlorsulfuron combinations. Weed Technol. 17:219-233.
 28. Fain, G.B., C.H. Gilliam, G.R. Wehtje, **T.L. Grey**, J.A. Osborne, and K.M. Tilt. 2003. Evaluation of experimental extended delivery granular pre-emergent herbicide formulations for direct application to nursery containers. J. Environ. Hort. 21:1-5.
 29. Prostko, E.P., **T. L. Grey**, W. C. Johnson, III, D. L. Jordan, W. J. Grichar, B. A. Besler, K. D. Brewer, and E. F. Eastin. 2003. Influence of preplant applications of 2,4-D, dicamba, tribenuron, and tribenuron plus thifensulfuron on peanut (*Arachis hypogaea*) yield. Peanut Sci. 30:18-22.
 30. **Grey, T.L.**, E.P. Prostko, D.C. Bridges, E.F. Eastin, W.C. Johnson, III, W.K. Vencill, B.J. Brecke, G.E. MacDonald, J.A. Tredaway, J.W. Everest, G.R. Wehtje, and J.W. Wilcut. 2003. Residual weed control with imazapic, diclosulam, and flumioxazin for southeastern peanut (*Arachis hypogaea*). Peanut Sci. 30:23-28.

31. **Grey, T.L.** and P.L. Raymer. 2002. Sicklepod (*Senna obtusifolia*) and red morningglory (*Ipomoea coccinea*) control for glyphosate-resistant soybean (*Glycine max*) with narrow rows and postemergence herbicide mixtures. *Weed Technology*. 16:669-674.
32. **Grey, T.L.**, D.C. Bridges, and D.S. NeSmith. 2001. Response of several transplanted pepper (*Capsicum annuum*) cultivars to variable rates and methods of application of clomazone. *HortScience* 36: 104-106.
33. **Grey, T.L.**, D.C. Bridges, E.F. Eastin and G.E. MacDonald. 2002. Influence of application rate and timing of flumioxazin on weed control in peanut (*Arachis hypogaea*) *Peanut Sci.* 29:24-29.
34. Bridges, D.C., **T.L. Grey**, and B.J. Brecke. 2002. Pyriithiobac and bromoxynil combinations with MSMA for improved weed control in bromoxynil-tolerant cotton (*Gossypium hirsutum*). *Cotton Science* 6:91-96.
35. **Grey, T.L.**, D.C. Bridges, and D.S. NeSmith. 2002. Transplanted pepper (*Capsicum annuum*) tolerance to selected herbicides and method of application. *J. Veg. Crop Pro.* 8:27-39.
36. **Grey, T.L.**, D.C. Bridges, and E.F. Eastin. 2001. Influence of application rate and timing of diclosulam on weed control in peanut (*Arachis hypogaea*) *Peanut Sci.*28:13-19.
37. **Grey, T.L.**, D.C. Bridges, and B.J. Brecke. 2000. Response of seven peanut (*Arachis hypogae*) cultivars to sulfentrazone. *Weed Technol.* 14:51-56.
38. **Grey, T.L.**, R.H. Walker, G.R. Wehtje, J. Adams Jr., O. Kwon, J.D. Weete, F.E. Dayan, and H.G. Hancock. 2000. Behavior of sulfentrazone with ionic exchange resins, electrophoresis gels, and cation-saturated soils. *Weed Science* 48: 239-247.
39. **Grey, T.L.**, D.C. Bridges, and D.S. NeSmith. 2000. Tolerance of cucurbits to the herbicides clomazone, ethalfluralin, and pendimethalin. I. Summer Squash. *HortScience*, 35:632-636.
40. **Grey, T.L.**, D.C. Bridges, and D.S. NeSmith. 2000. Tolerance of cucurbits to the herbicides clomazone, ethalfluralin, and pendimethalin. II. Watermelon. *HortScience* 35:637-641.
41. **Grey, T.L.**, D.C. Bridges, P. Raymer, L. Day, and D.S. NeSmith. 2000. Differential tolerance of sweet corn (*Zea mays*) cultivars to the herbicides nicosulfuron and primisulfuron. *HortScience* 35:1070-1073.
42. Keel, K., C.H. Gilliam, G.R. Wehtje, and **T.L. Grey**. 1998. Herbicide adsorption and release properties of five oxadiazon-coated fertilizers. *Journal of Environmental Hort.* 16: 230-234.
43. Paudel, K.P., N.R. Martin Jr., G. Wehtje, and **T.L. Grey**. 1998 Economic decision making using enterprise budgeting and statistical analysis: an illustration in weed control practices in peanut (*Arachis hypogae*) production. *J. of Production Ag.* 11: 48-52.
44. **Grey, T.L.**, G.R. Wehtje, R.H. Walker, and H.G. Hancock. 1997. Sulfentrazone adsorption and mobility as affected by soil type and pH. *Weed Science* 45:733-738.
45. Hicks, T.V. G.R. Wehtje, and **T.L. Grey**. 1998. The Interaction of pyridate and 2,4-DB in peanut (*Arachis hypogae*), Florida beggarweed (*Desmodium tortuosum*) and sicklepod (*Cassia obtusifolia*). *Weed Sci.* 46: 284-288.
46. Wehtje, G.R., R.H. Walker, **T.L. Grey**, and H.G. Hancock. 1997. Response of purple (*Cyperus rotundus*) and yellow nutsedges (*C. esculentus*) to selective placement of sulfentrazone. *Weed Sci.* 45:382-387.
47. **Grey, T.L.**, G.R. Wehtje, R.H. Walker, and B.H. Hajek. 1996. Sorption and mobility of bentazon in Coastal Plain soils. *Weed Sci.* 44: 166-170.
48. **Grey, T.L.**, G.R. Wehtje, B.F. Hajek, C.H. Gilliam, G.J. Keever, and P. Pace. 1996. Sorption, mobility, and filtration of metolachlor in container media. *J. of the American Soc. for Hort. Sci.* 121: 478-482.
49. **Grey, T.L.**, G.R. Wehtje, R.H. Walker, and K.P. Paudel. 1995. Comparison of imazethapyr and paraquat-based weed control systems in peanut (*Arachis hypogae*) *Weed Technol.* 9:813-818.

Proceedings and Abstracts:

1. **Grey T.L.**, P.A. Dotray, and W.J. Grichar. 2006. Soil and residual herbicide affect on peanut (*Arachis hypogaea*) seedling development. *American Peanut Research & Education Society Abstracts* 38:67.
2. **Grey, T.L.**, and T.M. Webster. 2006. Tropical spiderwort (*Commelina benghalensis*) stem desiccation and recovery. *American Peanut Research & Education Society Abstracts* 38:85.

3. Carter, J.R., R.H. Goddard, T.M. Webster, J.T. Flanders, A.S. Culpepper, and **T.L. Grey**. 2006. Do Mourning doves disperse seed of Tropical spiderwort (*Commelina benghalensis*). American Peanut Research & Education Society Abstracts 38:85.
4. Faricloth, W.H., T.M. Webster, **T.L. Grey**, J.T. Flanders, and E.P. Prostko. 2006. Critical period of tropical spiderwort (*Commelina benghalensis*) control in peanut. American Peanut Research & Education Society Abstracts 38:83.
5. Wise, A.M., E.P. Prostko, W.K. Vencill, and **T.L. Grey**. 2006. Evaluation of suspect ALS resistance of Palmer amaranth. American Peanut Research & Education Society Abstracts 38:48.
6. Vencill, W.K. **T.L. Grey**, and A.S. Culpepper. 2006. Fate of selected herbicides in a plasticulture system. Abstracts of Papers, 231st American Chemical Society (ACS) National Meeting, 231:64.
7. **Grey, T.L.**, A.S. Culpepper, T.M. Webster, and N. Mantri. 2006. Dissipation of field applied herbicides from low density polyethylene mulch. In: Weed Science Society of Abstracts 46:In press.
8. Vencill, W.K., **T.L. Grey**, and A.S. Culpepper. 2006. Dissipation of ¹⁴C-herbicides from polyethylene mulch. In: Weed Science Society of Abstracts 46: In press.
9. MacRae, A.W., A.S. Culpepper, and **T.L. Grey**. 2006. Squash and tomato response to herbicide residue on low density polyethylene mulch. In: Weed Science Society of Abstracts 46:In press.
10. Prostko, E.P., J.T. Flanders, A.S. Culpepper, T.M. Webster, **T.L. Grey**, W.K. Vencill, and J.R. Carter. 2006. Extension and research programs addressing the threat of tropical spiderwort in Georgia. In: Weed Science Society of Abstracts 46: In press.
11. Webster, T.M., **T.L. Grey**, J.T. Flanders, and A.S. Culpepper. 2006. Critical period of tropical spiderwort control in cotton. In: Weed Science Society of Abstracts 46:In press.
12. Culpepper, S.A., J. Kichler, A. York, **T.L. Grey**, and T.M. Webster. 2006. Managing glyphosate-resistant Palmer amaranth in Georgia cotton. In: Weed Science Society of Abstracts 46:In press.
13. Vencill, W.K., **T.L. Grey**, and A.S. Culpepper. 2006. Physiological characterization of glyphosate-resistant Palmer amaranth. In: Weed Science Society of Abstracts 46:In press.
14. **Grey, T.L.**, A.S. Culpepper, and T.M. Webster. 2006. Measuring the persistence of halosulfuron, metolachlor, and sulfentrazone using analytical and bioassay techniques for bare soil versus soil under polyethylene mulch. In: Proceedings of the Southern Weed Sci. Soc. 59. In press.
15. Culpepper, A.S., **T.L. Grey**, and T.M. Webster. 2006. Purple nutsedge and yellow squash response to methyl bromide alternative fumigants applied under eight types of mulch. In: Proceedings of the Southern Weed Sci. Soc. 59. In press.
16. Wise, A.M., **T.L. Grey**, E.P. Prostko, T.M. Webster, and W.K. Vencill. 2006. Diclosulam and imazapic combinations for weed control in Georgia peanut. In: Proceedings of the Southern Weed Sci. Soc. 59. In press.
17. Webster, T.M., **T.L. Grey**, J.T. Flanders, and A.S. Culpepper. 2006. Tropical spiderwort growth and fecundity in Georgia. In: Proceedings of the Southern Weed Sci. Soc. 59. In press.
18. Prostko, E.P. and **T.L. Grey**. 2006. A comparison of Accent and Option for Texas panicum control in field corn. In: Proceedings of the Southern Weed Sci. Soc. 59. In press.
19. Prostko, E.P. and **T. L. Grey**. 2005. The influence of Cadre on the yield and germination of Georgia Green peanut. American Peanut Research & Education Society Abstracts 37:62.
20. **Grey, T.L.** and E. P. Prostko. 2005. Carfentrazone for peanut weed control. American Peanut Research & Education Society Abstracts 37:60.
21. **Grey, T.L.** P. Steptoe, and W.K. Vencill. 2005. ¹⁴C-herbicides absorption and mobility in tropical spiderwort. In: Symposium on Tropical Spiderwort; An Exotic Invasive Weed in the Southeast US: In press.
22. Prostko, E.P., **T.L. Grey**, and R.N. Morgan. 2005. Oat response to imazapic residues. In: Weed Science Society of America Abstracts. 45:312.
23. Culpepper, A.S. and **T.L. Grey**. 2005. Squash and tomato response to herbicides applied topically to low density polyethylene mulch prior to transplant. In: Weed Science Society of Abstracts 45:22.
24. **Grey, T.L.** and P.R. Raymer. 2005. Traditional and imidazolinone resistant canola tolerance to residual herbicides in the Southeastern US. In: Weed Science Society of Abstracts. 45:12.
25. **Grey, T.L.**, A.S. Culpepper, and T.M. Webster. 2005. Fall vegetable and strawberry response and soil persistence of halosulfuron on bare-soil versus polyethylene mulch conditions. In: Proceedings of the Southern Weed Sci. Soc. 58. 155.

26. **Grey, T.L.** and A.S. Culpepper. 2005. Residual herbicide carryover simulation in transplanted *Vidalia* onions. In: Proceedings of the 2005 Southeast Regional Vegetable Conference. P. 101-102.
27. **Grey, T.L.** and A.S. Culpepper. 2005. Prowl 3.3 EC spray and fertilizer impregnation studies in strip-tillage cotton. In: Proceedings of the Beltwide Cotton Conference. 29: 2871-2872.
28. Webster, T.M., A.S. Culpepper, T. Flanders, and **T.L. Grey**. 2005. Planting date affects on tropical spiderwort -free interval in cotton. In: Proceedings of the Beltwide Cotton Conference. 29:2842-2843.
29. **Grey, T.L.**, A.S. Culpepper, and T.M. Webster. 2004. Soil persistence and vegetable response to halosulfuron in bare-soil verses polyethylene mulch conditions. In: Abstracts of the 4th International Weed Science Congress, 4:80.
30. **Grey, T.L.** A.S. Culpepper, A. York, and A.M. Stewart. 2004. Roundup Ready Cotton Response to Staple and Envoke. In: Proceedings of the Beltwide Cotton Conference. 28:2863.
31. R.G. Parker, A.C. York, A.S. Culpepper, and **T.L. Grey**. 2004. Comparison of Glyphosate Products in Roundup Ready Cotton. In: Proceedings of the Beltwide Cotton Conference. 28:2912.
32. **Grey, T.L.** and A.S. Culpepper. 2004. Sweet Corn cultivar response to foramsulfuron applied 21 days after planting. In: Proceedings of the 2004 Southeast Regional Vegetable Conference. P. 116.
33. E.P Prostko and **T.L. Grey**. 2004. A comparison of full and reduced rate weed management programs in peanut. In: Proceedings of the Southern Weed Sci. Soc. 57:43.
34. **Grey, T.L.** and A.S. Culpepper. 2004. Six sweet corn cultivar response to foramsulfuron applied 21 days after planting. In: Proceedings of the Southern Weed Sci. Soc. 57:149.
35. T.M. Webster, A.S. Culpepper, **T.L. Grey**, and J.T. Flanders. 2004. Emergence patterns of tropical spiderwort in cotton. In: Proceedings of the Southern Weed Sci. Soc. 57:228.
36. S.V. Kattapalli, G. Wehtje, and **T.L. Grey**. 2004. Admixture interactions of preemergence-applied herbicides used in peanuts. In: Proceedings of the Southern Weed Sci. Soc. 57:293.
37. **Grey, T.L.**, A.S. Culpepper, N. Mantripagada, and T.M. Webster. 2004. Soil persistence of residual herbicides for bare-ground verses polyethylene mulch conditions. In: Proceedings of the Southern Weed Sci. Soc. 57:324.
38. **Grey, T.L.**, P.L. Raymer, and D.C. Bridges. 2003. Herbicide tolerant canola systems for the southeastern U.S. In: Abstracts of the 11th International Rapeseed Congress. Vol. 1:1.
39. **Grey, T.L.**, G.D. Buntin, P.M. Roberts, and D.C. Bridges. 2003. Thrips injury and early-season cotton growth: potential interaction of pendimethalin injury and systemic insecticides. In: Proceedings of the Beltwide Cotton Conference. 27:1458.
40. **Grey, T.L.**, P.L. Raymer, and D.C. Bridges. 2003. Herbicide resistant canola systems for weed control in the southeastern U.S. In: Proceedings U.S. Canola Research Conference.
41. **Grey, T.L.**, P.L. Raymer, and D.C. Bridges. 2003. Effectiveness of herbicide-tolerant canola systems in southeastern U.S. canola. In: Weed Science Society of Abstracts. 43:85.
42. **Grey, T.L.**, E.P Prostko, W.K. Vencill, and W.C. Johnson. 2003. Georgia peanut response to flumioxazin timing, rate, and formulation. In: Proceedings of the Southern Weed Sci. Soc. 56: 301.
43. **Grey, T.L.**, A.S. Culpepper, and T.M. Webster. 2003. Fall vegetable response to halosulfuron, metolachlor, and sulfentrazone spring applied under plastic. In: Proceedings of the Southern Weed Sci. Soc. 56: 116.
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Year		Timothy Grey grant monies	\$
2002	1	July 2002 Georgia Ag Commodity Commission for Soybean. Evaluation of reduced tillage Roundup Ready soybean weed control following metribuzin wheat systems using residual herbicides and narrow row spacing	\$5,000
		Various monies for Grey project	\$32,600
2003	2	July 2003 Georgia Ag Commodity Commission for Soybean. Evaluation of reduced tillage Roundup Ready and Roundup Ready- STS soybean following mesosulfuron wheat systems for annual ryegrass control.	\$2,000
	3	July 2003. USDA SARE Canola. Traditional and Acetolactate Synthase Resistant Canola Tolerance to Soil Applied Residual Herbicides Used in Row Crop Production in the Southeastern United States	\$15,000
		Various monies for Grey project	\$20,600
2004	4	July 2004. USDA SARE Canola. Traditional and Acetolactate Synthase Resistant Canola Tolerance to Soil Applied Residual Herbicides Used in Row Crop Production in the Southeastern United States.	\$15,000
	5	October 2004. USDA CSRESS Methyl Bromide Transitions: Replacing methyl bromide using integrated systems including mulches, herbicides and soil fumigants. (co-author with Culpepper, et al.)	\$28,400 (\$419,318)
	6	December 17, 2004. VA-HUD Turfgrass Environmental Research Grant. Point sources of pesticides in turf and modeling of fate from point sources.	\$53,800

Year		Timothy Grey grant monies	\$
2004	7	March 2004. Georgia Peanut Commission Tropical Spiderwort Management in Peanuts (co-author with Eric Prostko)	\$2000 (\$5000)
	8	March 2004. Georgia Corn Commission Economic Comparision of Weed Management Strategies for Texas panicum Control in Field Corn (co-author with Eric Prostko)	\$1500 (\$5000)
		Various monies for Grey project	\$12,300
2005	9	July 2005. USDA SARE: Canola. Evaluation of Imidazolinone Resistant Canola in Strip-tillage Roundup Ready Cotton and Tropical Corn in Double-Crop Systems and Determination of Carryover Potential of Imazamox	\$14,500
	10	October 2005. Georgia Dept. of Agriculture, APHIS Tropical Soda apple control:Project Title 'Herbicide rates for control of tropical soda apple.	\$30,500
	11	Various and contingency monies for Grey project	\$24,150
2006	12	January 2006. Southeastern Peanut Research Initiative. Peanut response to late-season glyphosate applications.	\$10,000
	13	January 2006. Southeastern Peanut Research Initiative. Peanut cultivar responses to residual herbicides in growth chamber experiments.	\$5000
	14	June 2006. USDA SARE: Canola. Evaluation of Imidazolinone Resistant Canola in Strip-tillage Roundup Ready Cotton and Tropical Corn in Double-Crop Systems and Determination of Carryover Potential of Imazamox: Year 2.	\$15,000
	15	Studies to investigate the potential for glyphosate resistant Amaranthus species in Georgia by the University of Georgia by various companies (Co-author with Culpepper et al.)	Funding approved
	16	October 2004. USDA CSRESS Methyl Bromide Transitions: Integrating alternative methyl bromide systems for on farm production. (co-author with Culpepper, et al.)	Funding approved
	17	Various and contingency monies for Grey project	\$3000
2002-2006		Total grants awarded to Grey project	\$288,350