

Curriculum Vitae
Tederson Luiz Galvan
Department of Entomology
1980 Folwell Avenue
University of Minnesota, St. Paul, MN 55108
Phone: 612-624-3670; Fax: 612-625-5299
galva008@umn.edu

Education

- Ph.D. Candidate, Entomology, University of Minnesota, Twin Cities, Spring 2008 (anticipated)
- B.S. Agronomy, Federal University of Vicosa, MG, Brazil, Dec 2003

Professional Experience

- Graduate Research Assistant, Department of Entomology, University of Minnesota, MN, Jan 2004-present
- Undergraduate Research Assistant, Department of Entomology, University of Minnesota, MN, Jan-Aug 2003
- Plant Grower, Mahoney's Growing Division, Woburn, MA, Jan-Dec 2002
- Undergraduate Research Assistant, Integrated Pest Management Laboratory, Department of Animal Biology, Federal University of Vicosa, MG, Brazil, Jan 1998-Dec 2001

Teaching Experience

Teaching Assistant, Applied Experimental Design (AGRO5121), Department of Agronomy, University of Minnesota, Spring 2007.

Languages

English, Portuguese, and Spanish.

Service

Committees

- Student Representative of the C.V. Riley Award Committee 2006 to present – North Central Branch of the Entomological Society of America.
- Student Representative of the Student Affairs Committee 2006 to present – North Central Branch of the Entomological Society of America.
- Frenatae Entomology Graduate Students Organization, Secretary (2006-2007)

Awards

Professional society

Second-place – 10-minute paper presentation student competition, Meeting of the North Central Branch of the Entomological Society of America, Bloomington, IL (2006).

University

- Dr. Alexander A. Granovsky Pest Management Scholarship (2005) \$1,000
- Doctoral Dissertation Fellowship, University of Minnesota (2007 – 2008) \$21,500
- Graduate School Thesis Research Grant, University of Minnesota (2007) \$1,700

Research Grants

- 2006 Marion Brooks Wallace and Graduate School Fellowship. “Antennal and behavioral responses of the multicolored Asian lady beetle (Coleoptera: Coccinellidae) to potential attractants and repellents using GC-EAD and olfactometry” \$4,300.00 – *primary author*.
- Minnesota Department of Agriculture – IPM Program. “Evaluation of practical, rapid sampling plans for the multicolored Asian lady beetle in grapes.” (July 2005 - June 2006) \$5,000 – *co-author*
- North Central Region – Sustainable Agriculture Research and Education. “From beneficial insect to economic pest: a sustainable management response to the Asian lady beetle in Midwestern grapes.” (July 2004 – December 2005) \$9,600 – *primary author*

Training

Insect Chemical Ecology, ICE07, June 4 – 16, 2007, Division of Chemical Ecology, Swedish University of Agricultural Sciences, Alnarp, Sweden.

Society Memberships

Entomological Society of America (2004-present)
 American Society for Enology and Viticulture (2006-present)
 European Chemoreception Research Organization (2007-present)

Publications

Refereed Journals:

1. **Galvan, T.L.**, R.L. Koch and W.D. Hutchison. 2008. Potential implications of fruit feeding on overwintering survival of the multicolored Asian lady beetle, and the ability for these insects and paper wasps to injure wine grape berries. *Entomologia Experimentalis et Applicata*. (Accepted depending on revisions).
2. **Galvan, T.L.**, S. Kells and W.D. Hutchison. 2008. Determination of 3-alkyl-2-methoxy-pyrazines in lady beetle-infested wine by solid-phase microextraction headspace sampling. *Journal of Agricultural and Food Chemistry*. (**In press**).
3. Koch, R.L and **T.L. Galvan**. 2008. Bad side of a good beetle: the North American experience with *Harmonia axyridis*. *BioControl* (**In press**).
4. **Galvan, T.L.**, E. C. Burkness, Z. Vickers, P. Stenberg, A.K. Mansfield and W.D. Hutchison. 2007. Sensory-based action threshold for the multicolored Asian lady beetle-related taint in wine grapes. *American Journal of Enology and Viticulture*, 58 (4): 518-522.
5. Bacci, L., A L.B. Crespo, **T.L. Galvan**, E.J.G. Pereira, M.C. Picanco, G.A. Silva, M. Chediak. 2007. Toxicity of insecticides to the sweetpotato whitefly (Hemiptera: Aleyrodidae) and its natural enemies. *Pest Management Science*, 63: 699-706.
6. **Galvan, T.L.**, E. C. Burkness and W.D. Hutchison. 2007. Enumerative and binomial sequential sampling plans for the multicolored Asian lady beetle (Coleoptera: Coccinellidae) in wine grapes. *Journal of Economic Entomology*, 100 (3): 1000-1010.
7. **Galvan, T.L.**, E.C. Burkness and W.D. Hutchison. 2006. Efficacy of selected insecticides for management of the multicolored Asian lady beetle on wine grapes near harvest. Online. *Plant Health Progress* doi:10.1094/PHP-2006-1003-01-RS.

8. **Galvan, T.L.**, E.C. Burkness and W.D. Hutchison. 2006. Influence of berry injury on infestations of the multicolored Asian lady beetle in wine grapes. Online. Plant Health Progress doi:10.1094/PHP-2006-0607-01-BR.
9. **Galvan, T.L.**, R.L. Koch and W.D. Hutchison. 2006. Toxicity of indoxocarb and spinosad to the multicolored Asian lady beetle (Coleoptera: Coccinellidae) via three routes of exposure. *Pest Management Science*, 62: 797-804.
10. Gusmao, M.R., M.C. Picanco, R.N.C. Guedes, **T.L. Galvan**, and E.J.G. Pereira. 2006. Economic injury level and sequential sampling plan for *Bemisia tabaci* in outdoor tomato. *Journal of Applied Entomology*, 130 (3): 160-166.
11. Ribeiro, A.P.O., E.J.G. Pereira, **T.L. Galvan**, M.C. Picanco, E.A.T. Picoli, D.J.H. da Silva, M.G. Fari, and W.C. Otoni. 2006. Effect of eggplant transformed with *oryzacystatin* gene on *Myzus persicae* and *Macrosiphum euphorbiae*. *Journal of Applied Entomology*, 130 (2): 84-90.
12. Ribeiro, A.P.O., W.C. Otoni, M.C. Picanco, **T.L. Galvan**, E.J.G. Pereira, E.A.T. Picoli, and D.J.H. da Silva. 2005. Resistencia de berinjela transgenica contendo o gene *orizacistatina* a *Mechanitis polymnia* e *Machanitis lysimnia* (Resistance of transgenic eggplant carrying the *orizacistatina* gene to *Mechanitis polymnia* and *Machanitis lysimnia*). *Acta Scientiarum Agronomy*, 27 (4): 647-650.
13. **Galvan, T.L.**, R.L. Koch and W.D. Hutchison. 2005. Toxicity of commonly used insecticides in sweet corn and soybean to the multicolored Asian lady beetle (Coleoptera: Coccinellidae). *Journal of Economic Entomology*, 98 (3): 780-789.
14. **Galvan, T.L.** R.L. Koch and W.D. Hutchison. 2005. Effects of spinosad and indoxacarb on survival, development and reproduction of the multicolored Asian lady beetle (Coleoptera: Coccinellidae). *Biological Control*, 34: 108-114.
15. **Galvan, T. L.**, F. Marquini, A. A. Semeão, and M. C. Picanço. 2003. Fatores que afetam a localização de *Bemisia argentifolii* em folhas de couve comum (Factors that affect the location of the silverleaf whitefly, *Bemisia argentifolii*, on kale leaves). *Revista Ceres* 50 (290):543.
16. Picanco, M. C. **T. L. Galvan**, J. C. C. Galvao, E. C. Silva, and L. Moreira. 2003. Intensidades de perdas, ataque de insetos-praga e incidência de inimigos naturais em cultivares de milho em cultivo de safrinha (Intensity of losses, attack of insect pests, and presence of natural enemies in cultivars of corn). *Ciência e Agrotecnologia*, 27 (2): 339-347.
17. **Galvan, T. L.**, M. Picanço, L. Bacci, E. J. Pereira, and A. L. B. Crespo. 2002. Seletividade de oito inseticidas a Vespidae predadores de lagartas em citros (Selectivity of eight insecticides to Vespidae predators of citrus caterpillars). *Pesquisa Agropecuária Brasileira*, 37 (2):117-122.
18. Bacci, L., M. Picanco, M. R. Gusmao, A. L. B. Crespo, and **T. L. Galvan**. 2002. Inseticidas seletivos à tesourinha *Doru luteipes* (Scudder) utilizados no controle do pulgão verde em brássicas (Selective insecticides to the earwing *Doru luteipes* (Scudder) used for controlling the green peach aphid in Brassicaceae). *Horticultura Brasileira*, 20 (2): 174-179.

Proceedings:

Galvan, T. L., R. L. Koch, E. C. Burkness, S. J. Wold Burkness, and W. D. Hutchison. 2005. Research Updates on Multicolored Asian Lady Beetle Management in Minnesota Grapes. *In: Proceedings of the Upper Midwest Regional Fruit and Vegetable Growers Conference, St. Cloud, MN, February 3-4.*

Fact sheet:

Galvan, T. L., E. C. Burkness and W. D. Hutchison. 2005. Grape Flea Beetle. Vegetable Pest Fact Sheets, *VegEdge* Web site, Dept. of Entomology, University of Minnesota Extension Service, St. Paul, MN

(<http://www.vegedge.umn.edu/vegpest/grapes/FleaBeetle.htm>)

Newsletter article:

Galvan, T. L., M. Picanco, E. J. G. Pereira, M. D. Moreira., and L. Bacci. Efeito inseticida de quatro plantas ao bicho mineiro (Insecticide effect of four plants to coffee leaf miner). Coffee Break – O Cafezal. Garca, Sao Paulo, Brazil.

(<http://www.coffeebreak.com.br/ocafezal.asp?SE=8&ID=75>)

Extension articles:

1. **Galvan, T. L.,** E. C. Burkness, and W. D. Hutchison. 2006. Wine grapes in the Midwest: reducing the risk of the multicolored Asian lady beetle. Public. 08232. Univ. of Minnesota Extension Service, St. Paul, MN.
2. **Galvan, T. L.,** E. C. Burkness, and W. D. Hutchison. 2007. Progress in Developing a Practical IPM Program for the multicolored Asian lady beetle in grapes. Notes From the North, Minnesota Grape Growers Association, Red Wing, MN, 33 (1), 15-15.

Presentations

Research--Submitted:

1. **Galvan, T.L.,** R.L. Koch and W.D. Hutchison. 2007. Overwintering of the multicolored Asian lady beetle (Coleoptera: Coccinellidae): The influence of autumn feeding on wine grapes. Poster Presentation, student competition, Annual Meeting of the Entomological Society of America, San Diego, CA.
2. **Galvan, T. L.** 2007. Estimated Sensory Thresholds of *Harmonia axyridis* in Winegrapes. 20-minute paper presentation, Annual Meeting of the American Society for Enology and Viticulture, Reno, NV.
3. **Galvan, T. L.,** E. C. Burkness, and W. D. Hutchison. 2006. A good lady with some bad habits: A Sustainable Approach to Managing the Multicolored Asian Lady Beetle as an Economic Pest in North American Vineyards. 10-minute paper presentation, Meeting of the Brazilian Entomological Society, Recife, PE, Brazil.
4. **Galvan, T. L.,** E. C. Burkness, and W. D. Hutchison. 2006. Enumerative and binomial sequential sampling plans for the multicolored Asian lady beetle in wine grapes. 10-minute paper presentation, student competition, Meeting of the North Central Branch of the Entomological Society of America, Bloomington, IL.
5. **Galvan, T. L.,** E. C. Burkness, and W. D. Hutchison. 2006. Efficacy of insecticides for management of the multicolored Asian lady beetle on wine grapes under field and laboratory

conditions. 10-minute paper presentation, Meeting of the North Central Branch of the Entomological Society of America, Bloomington, IL.

6. **Galvan, T.L.**, R.L. Koch and W.D. Hutchison. 2005. Toxicity of indoxocarb and spinosad to the multicolored Asian lady beetle (Coleoptera: Coccinellidae) via three routes of exposure. Poster Presentation, student competition, Annual Meeting of the Entomological Society of America, Fort Lauderdale, FL.
7. **Galvan, T. L.**, R. L. Koch, E. C. Burkness, S. J. Wold Burkness, and W. D. Hutchison. 2005. Phenology and management of the multicolored Asian lady beetle in Minnesota Grapes. 10-minute paper presentation, student competition, Meeting of the North Central Branch of the Entomological Society of America, West Lafayette, IN.
8. **Galvan, T.L.**, R. L. Koch, W.D. Hutchison. 2004, November. Selectivity of insecticides to *Harmonia axyridis* (Coleoptera: Coccinellidae) under field and laboratory conditions. 10-minute paper presentation, student competition, Annual Meeting of the Entomological Society of America, Salt Lake City, UT.

Extension--Invited:

1. **Galvan, T. L.**, R. L. Koch, E. C. Burkness, S. J. Wold Burkness, and W. D. Hutchison. 2005. Research Updates on Multicolored Asian Lady Beetle Management in Minnesota Grapes. Upper Midwest Regional Fruit and Vegetable Growers Conference, St. Cloud, MN, February 3-4, *30-minute presentation*
2. Hutchison, W. D. and **T. L. Galvan**. 2005. The multicolored Asian lady beetle as a new pest of grapes: 1st year research update. Annual Minnesota Grape Grower Association Conference, Rochester, MN (Feb.), *60-minute presentation*.