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Education and Degrees

- 1995-2000 **Ph.D. Entomology.** The University of Massachusetts at Amherst, Amherst, MA 01003. Dissertation: Olfactory and Visual Stimuli Guiding Adult Plum Curculios, *Conotrachelus nenuphar* (Herbst) (Coleoptera: Curculionidae), to Host Plants.
- 1992-1995 **M.S. Ecology.** The Pennsylvania State University, University Park, PA 16802. Thesis: Influence of flowering of *Acer saccharum* Marsh. on reproduction of *Taeniothrips inconsequens* (Uzel) (Thysanoptera: Thripidae).
- 1986-1990 **B.S. Biology.** Wilson College, Chambersburg, PA 17201. Honors Project: Presence of concretions in Malpighian tubules in an unidentified species of crane fly (Diptera: Tipulidae): light and transmission electron microscopy studies.

Research and Administrative Experience

- 2015 – Present **Acting Director/Research Leader.** USDA-ARS, Appalachian Fruit Research Station. Kearneysville, WV 25430. Duties include supervisory leadership and management of human resources including scientific staff, technicians, administrative, secretarial and maintenance personnel, and farm workers, physical resources including main laboratory building, greenhouses, growth chambers, farm center and 500 acre research farm, and associated fiscal resources.
- 2000-Present **Research Entomologist.** USDA-ARS, Appalachian Fruit Research Station. Kearneysville, WV 25430. Duties include conducting research concerning behavioral and chemical ecology of key insect pests associated with deciduous tree fruit production.

- 1995-2000 **Research Assistant.** University of Massachusetts at Amherst, Amherst MA 01003. Cooperated on numerous behavioral ecology-based research projects as a graduate student.
- 1994 **Pennsylvania State Project Coordinator.** North American Maple Decline Project. Collaborative project among researchers from northeastern and northern central United States and Canada assessing long term sugar maple health. Conducted and supervised extensive field surveys in forested plots throughout Pennsylvania and New York.
- 1992-1995 **Research Assistant.** The Pennsylvania State University, University Park, PA 16802. Cooperated on field-based ecological research projects associated as a graduate student.
- 1990-1992 **Environmental Consultant.** Cumberland Analytical Laboratories, Chambersburg, PA 17201. Collected and analyzed air samples for airborne particulates. Conducted on-site inspections for compliance with environmental codes.

Teaching Experience

- 2002-Present **Adjunct Faculty.** Virginia Polytechnic Institute and State University, Department of Entomology, Blacksburg VA 24061
- 2010 **Adjunct Faculty.** Shepherd University, Shepherdstown, WV 25430. Taught senior capstone course to students in the Environmental Studies program. Course was designed to help them analyze and present results generated from their independent research projects.
- 2007-2012 **Instructor.** Potomac Valley Audubon Society, Provided lecture and field activity on insects and other arthropods to West Virginia Master Naturalist Class participants.
- 2001-Present **Internship Supervisor.** Shepherd University, Shepherdstown, WV 25430. Served as Internship Supervisor for over a dozen students in Biology and Environmental Science programs.
- 1999-2000 **Adjunct Lecturer.** Curry College, Milton, MA 02186. Environmental Science. Taught introductory environmental science course to students in the Continuing Education Program (4 semesters).
- 1997-1999 **Lecturer.** University of Massachusetts at Amherst, Amherst, MA 01003. Insects and Human Society. Taught over 100 non-science major undergraduates required general education course (2 semesters).

- 1996-1999 **Guest Lecturer.** University of Massachusetts at Amherst, Amherst, MA 01003. Integrated Pest Management. Lectured on the topic of integrated pest management in the urban environment (4 semesters).
- 1995-2000 **Research Supervisor.** University of Massachusetts at Amherst, Amherst MA 01003. Trained undergraduate research technicians to conduct numerous laboratory and field experiments.
- 1994-1995 **Teaching Assistant.** The Pennsylvania State University, University Park, PA 16802. Forest Pest Management. Responsible for all laboratory presentations and activities. Presented lectures. Prepared and graded quizzes, lab practicals and portions of lecture exams (2 semesters).
- 1988-1990 **Peer Tutor.** Learning Resources Center, Wilson College, Chambersburg, PA 17201. Tutored students in biology, chemistry, and mathematics courses (4 semesters).

Publications

Refereed Publications

1. **Leskey, T.C.**, D.A.J. Teulon and E.A. Cameron. 1997. Effects of temperature and pollen on fecundity and longevity of *Taeniothrips inconsequens* (Uzel). **Environnmental Entomology**. 26(3): 566-571.
2. Teulon, D.A.J., **T.C. Leskey** and E.A. Cameron. 1998. Pear thrips (Thysanoptera: Thripidae) life history and population dynamics in sugar maple in Pennsylvania. **Bulletin of Entomological Research**. 88: 83-92.
3. Prokopy, R.J., M. Marsello, **T.C. Leskey**, & S.E. Wright. 1999. Evaluation of pyramid traps for monitoring plum curculio adults in apple orchards. **Journal of Entomological Science**. 34: 144-153.
4. Prokopy, R.J., C.B. Wirth and **T.C. Leskey**. 1999. Movement of plum curculio adults toward host trees and traps: flight versus crawling. **Entomologia Experimentalis et Applicata**. 91: 385-392.
5. **Leskey, T.C.** and R.J. Prokopy. 2000. Sources of apple odor attractive to adult plum curculios. **Journal of Chemical Ecology**. 26: 639-653.
6. Prokopy, R.J., **Leskey, T.C.**, J. Piñero, and J. Rull. 2000. Managing agricultural pests. **Issues Science and Technology**. 16: 11-12.

7. Mayer, D., L. Long, T. Smith, J. Olsen, H. Riedl, R. Heath, **T. Leskey**, and R. Prokopy. 2000. Attraction of adult *Rhagoletis indifferens* to unbaited and odor-baited red spheres and yellow rectangles. **Journal of Economic Entomology**. 93:347-351.
8. Prokopy, R.J., B.W. Chandler, **T.C. Leskey**, and S.E. Wright. 2000. Comparison of traps for monitoring plum curculio adults (Coleoptera: Curculionidae) in apple orchards. **Journal of Entomological Science**. 35(4): 411-420.
9. **Leskey, T.C.**, R.J. Prokopy, S.E. Wright, P.L. Phelan and L.W. Haynes. 2001. Evaluation of individual components of plum odor as potential attractants for adult plum curculios. **Journal of Chemical Ecology**. 27(1): 1-17.
10. **Leskey, T.C.** and R.J. Prokopy. 2001. Adult plum curculio (Coleoptera: Curculionidae) attraction to fruit and conspecific odors. **Annals of the Entomological Society of America**. 94(2): 275-288.
11. Prokopy, R.J., P.L. Phelan, S.E. Wright, A. Minalga, R. Barger and **T.C. Leskey**. 2001. Compounds from host fruit odor attractive to plum curculio adults (Coleoptera: Curculionidae). **Journal of Entomological Science**. 36(2): 122-134.
12. **Leskey, T.C.** and R.J. Prokopy. 2002. A branch-mimicking trap for capturing adult plum curculios (Coleoptera: Curculionidae). **Entomologia Experimentalis et Applicata**. 102: 253-259.
13. **Leskey, T.C.** and J.C. Bergh. 2003. A simple character for sex differentiation of pupae and pupal exuvia of the dogwood borer, *Synanthedon scitula* (Harris). **Florida Entomologist**. 86: 379-381.
14. **Leskey, T.C.** and R.J. Prokopy. 2003. Influence of barometric pressure on plum curculio olfactory discrimination and oviposition behavior. **European Journal of Entomology**. 100: 517-520.
15. Bergh, J.C. and **T.C. Leskey**. 2003. Biology, ecology and management of dogwood borer, *Synanthedon scitula* (Harris) in eastern apple orchards. **The Canadian Entomologist**. 135: 1-21.
16. **Leskey, T.C.** and S. E. Wright. 2004. Monitoring plum curculio populations in apple and peach orchards in the mid-Atlantic. **Journal of Economic Entomology**. 97: 79-88.
17. Bergh, J.C, **T.C. Leskey** and A. Zhang. 2004. Discrimination by male dogwood borer, *Synanthedon scitula* (Harris) among traps baited with commercially available pheromone lures in apple orchards. **Journal of Economic Entomology**. 97: 344-352.
18. **Leskey, T.C.** and S. E. Wright. 2004. Influence of host tree proximity on adult plum curculio (Coleoptera: Curculionidae) responses to monitoring traps. **Environmental Entomology**. 33: 389-396.

19. **Leskey, T.C.** and H. W. Hogmire. 2005. Monitoring stink bugs in mid-Atlantic apple and peach orchards. **Journal of Economic Entomology**. 98: 143-153.
20. **Leskey, T.C.**, A. Zhang, and M. Herzog. 2005. Non-fruiting Host Tree Volatile Blends: Novel Attractants for the Plum Curculio (Coleoptera: Curculionidae). **Environmental Entomology**. 34: 785-793.
21. **Leskey, T.C.** and J.C. Bergh. 2005. Factors promoting infestation in newly planted, non-bearing apple orchards by dogwood borer, *Synanthedon scitula* (Harris) (Lepidoptera: Sesiidae). **Journal of Economic Entomology**. 98: 2121-2132.
22. Zhang, A., **T.C. Leskey**, J.C. Bergh and J.F. Walgenbach. 2005. Sex pheromone of the dogwood borer, *Synanthedon scitula* (Harris). **Journal of Chemical Ecology**. 31: 2463-2479.
23. **Leskey, T.C.** 2006. Visual cues and capture mechanisms associated with traps for plum curculios (Coleoptera Curculionidae). **Journal of Entomological Science**. 41: 97-106.
24. Hogmire, H.W. and **T.C. Leskey**. 2006. An improved trap for monitoring stink bugs in apple and peach orchards. **Journal of Entomological Science**. 41: 9-21.
25. Bergh, J.C., **T.C. Leskey**, J.M. Sousa, and A. Zhang. 2006. Diel periodicity of emergence and premating reproductive behaviors of adult dogwood borer (Lepidoptera: Sesiidae). **Environmental Entomology**. 35: 435-442.
26. **Leskey, T.C.**, J.C. Bergh, J.F. Walgenbach, and A. Zhang. 2006. Attractiveness and specificity of pheromone-baited traps for male dogwood borer, *Synanthedon scitula* (Harris) (Lepidoptera: Sesiidae). **Environmental Entomology**. 35: 268-275.
27. **Leskey, T.C.** and S.E. Wright. 2007. Host preference of the plum curculio. **Entomologia Experimentalis et Applicata**. 123: 217-227.
28. **Leskey, T.C.** and A. Zhang. 2007. Impact of Temperature on Plum Curculio, *Conotrachelus nenuphar* (Herbst) (Coleoptera: Curculionidae) Responses to Odor-Baited Traps. **Journal of Economic Entomology**. 100: 343-349.
29. Myers, C.T., **T.C. Leskey**, and P.L. Forsline. 2007. Susceptibility of fruit from diverse apple and crabapple germplasm to attack from plum curculio, *Conotrachelus nenuphar* (Herbst). **Journal of Economic Entomology**. 100: 1663-1671.
30. **Leskey, T.C.** and H.W. Hogmire. 2007. Response of the Brown Stink Bug, *Euschistus servus* (Say) (Hemiptera: Pentatomidae) to the Aggregation Pheromone, Methyl (2E,4Z)-Decadienoate. **Journal of Entomological Science**. 42P: 548-557.
31. **Leskey, T.C.** 2008. Phenology of ovarian development of female plum curculio: presence of multivoltine populations. **Journal of Entomological Science**. 43: 208-216.

32. **Leskey, T.C.**, J.C. Piñero, S. Wood, and R.J. Prokopy. 2008. Odor baited trap trees: a potential management tool for the plum curculio. **Journal of Economic Entomology**. 101: 1302-1309.
33. **Leskey, T.C.**, J.C. Bergh, J.F. Walgenbach and A. Zhang. 2009. Evaluation of pheromone-based strategies for the dogwood borer in commercial apple orchards. **Journal of Economic Entomology**. 102: 1085-1093.
34. **Leskey, T.C.**, S.E. Wright, W. Anger, G. Chouinard, D. Cormier, A. Pichette, and A. Zhang. 2009. An electroantennogram technique for the plum curculio, *Conotrachelus nenuphar* (Herbst) (Coleoptera: Curculionidae). **Environmental Entomology**. 38: 870-878.
35. Bergh, J.C., **T.C. Leskey**, J. Walgenbach, W.E. Klingemann, D. Kain, and A. Zhang. 2009. Dogwood borer (Lepidoptera: Sesiidae) abundance and seasonal flight activity in apple orchards, urban landscapes, and woodlands in five eastern states. **Environmental Entomology**. 38: 530-539.
36. Boiteau, G., F. Meloche, C. Vincent, and **T.C. Leskey**. 2009. Effectiveness of glues used for harmonic radar tag attachment and impact on survival and behavior of three insect pests. **Environmental Entomology**. 38: 168-175.
37. Frank, D.L., **T.C. Leskey**, and J.C. Bergh. 2009. Post-mating behavior of the female dogwood borer (Lepidoptera: Sesiidae) in apple orchards. **Environmental Entomology**. 38: 1219-1225.
38. **Leskey, T.C.**, B.D. Short, S.E. Wright., and M.W. Brown. 2009. Diagnosis and variation in appearance of Brown Stink Bug (Hemiptera: Pentatomidae) Injury on Apple. **Journal of Entomological Science**. 44: 1-10.
39. Boiteau, G., F. Meloche, C. Vincent, and **T.C. Leskey**. 2010. Harmonic radar: assessing the impact of additional tag weight on walking activity of Colorado potato beetle, plum curculio, and western corn rootworm. **Journal of Economic Entomology**. 103: 63-69.
40. **Leskey, T.C.**, S.E. Wright, G.J. Puterka, and D.M. Glenn. 2010. Effect of Surround WP on Behavior and Mortality of the Apple Maggot Fly, *Rhagoletis pomonella* (Walsh) (Diptera: Tephritidae). **Journal of Economic Entomology**. 103:394-401.
41. Frank, D.L., **T.C. Leskey**, and J.C. Bergh 2010. Development of a rearing methodology for the dogwood borer (Lepidoptera: Sesiidae). **Annals of the Entomological Society of America**. 103: 50-56.
42. **Leskey, T.C.**, T.J. Hancock, and S.E. Wright. 2010. Host Tree-Related Differences in Trap Captures and Electroantennogram Activity for the Plum Curculio, *Conotrachelus nenuphar* (Herbst) (Coleoptera: Curculionidae). **The Canadian Entomologist**. 142: 284-293.

43. Frank, D.L., **T.C. Leskey**, and J.C. Bergh. 2010. Morphological Characterization of the Antennal Sensilla of the Dogwood Borer (Lepidoptera: Sesiidae) **Annals of the Entomological Society of America**. 103: 993-1002.
44. Frank, D.L., C.C. Brewster, **T.C. Leskey**, and J.C. Bergh. 2011. Factors Influencing the Temporal and Spatial Patterns of Dogwood Borer (Lepidoptera: Sesiidae) Infestations in Newly Planted Apple Orchards. **Environmental Entomology**. 40: 173-183.
45. Boiteau, G., C. Vincent, F. Meloche, **T.C. Leskey**, and B.G. Colpitts. 2011. Evaluation of Tag Entanglement as a Factor in Harmonic Radar Studies of Insect Dispersal. **Environmental Entomology**. 40: 94-102.
46. Boiteau, G., F. Meloche, C. Vincent, and **T.C. Leskey**. 2011. Harmonic radar: Efficacy at detecting and recovering insects on agricultural host plants. **Pest Management Science**. 67: 213-219.
47. Piñero J.C, A. Agnello, A. Tuttle, **T.C. Leskey**, H. Faubert, G. Koehler, G. Morin, K. Leahy, L. Loss, D. Cooley, and R.J. Prokopy. 2011. Effectiveness of odor-baited trap trees for plum curculio (Coleoptera: Curculionidae) monitoring in commercial apple orchards in the Northeast. **Journal of Economic Entomology**. 104: 1613-1621.
48. Frank, D.L., A. Zhang, **T.C. Leskey**, and J.C. Bergh. 2011. Electrophysiological response of female dogwood borer (Lepidoptera: Sesiidae) to volatile compounds from trees. **Journal of Entomological Science**. 46: 204-215.
49. **Leskey T.C.**, S.E. Wright., B.D. Short. and A. Khrimian. 2012. Development of behaviorally based monitoring tools for the brown marmorated stink bug, *Halyomorpha halys* (Stål) (Heteroptera: Pentatomidae) in commercial tree fruit orchards. **Journal of Entomological Science**. 47: 76-85.
50. Wright, S.E, **T.C. Leskey**, J. Piñero, I. Jacombe, and R.J. Prokopy. 2012. Integration of insecticidal, phagostimulatory, and visual elements of an Attract-and-Kill system for apple maggot fly, *Rhagoletis pomonella* (Walsh) (Diptera: Tephritidae). **Journal of Economic Entomology**. 105: 1548-1556
51. **Leskey T.C.**, B.D. Short., B.B. Butler and S.E. Wright. 2012. Impact of the invasive brown marmorated stink bug, *Halyomorpha halys* (Stål) in mid-Atlantic tree fruit orchards in the United States: case studies of commercial management. **Psyche**. Article ID 535062, DOI:10.1155/2012/535062.
52. **Leskey, T.C.**, G.C. Hamilton, A.L. Nielsen, D.F. Polk, C. Rodriguez-Saona, J.C. Bergh, D. A. Herbert, T.P. Kuhar, D. Pfeiffer, G. Dively, C.R.R. Hooks, M.J. Raupp, P.M. Shrewsbury, G. Krawczyk, P.W. Shearer, J. Whalen, C. Koplinka-Loehr, E. Myers, D. Inkley, K.A. Hoelmer, D-Y. Lee, and S.E. Wright. 2012. Pest Status of the Brown Marmorated Stink Bug, *Halyomorpha halys* (Stål), in the USA. **Outlooks on Pest Management**. 23: 218-226.

53. **Leskey, T.C.**, D-H. Lee, B.D. Short and S.E. Wright. 2012. Impact of insecticides on the invasive *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae): analysis on the insecticide lethality. **Journal of Economic Entomology**. 105: 1726-1735.
54. Zhang, A., **T.C. Leskey**, C. Bergh, and J. Walgenbach. 2013. Sex pheromone dispenser type and trap design affect capture of dogwood borer. **Journal of Chemical Ecology**. 39: 390-397.
55. Lee, D-H., S.E. Wright, and **T.C. Leskey**. 2013. Impact of insecticide residue exposure on the invasive pest, *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae): analysis of adult mobility. **Journal of Economic Entomology**. 106: 150-158.
56. Joseph, S., C. Bergh, S.E. Wright and **T.C. Leskey**. 2013. Factors affecting captures of brown marmorated stink bug, *Halyomorpha halys* (Hemiptera: Pentatomidae) in baited pyramid traps. **Journal of Entomological Science**. 48: 43-51.
57. Rodriguez-Saona, C., J. Wise, D. Polk, **T.C. Leskey**, and C. Vandervoot. 2013. Lethality of reduced-risk insecticides against plum curculio (Coleoptera: Curculionidae) in blueberries with emphasis on their curative activity. **Pest Management Science**. 69: 1334-1345.
58. **Leskey, T.C.**, S.E. Wright, J. Saguez and C. Vincent. 2013. Impact of insecticide and fungicide residue contact on plum curculio, *Conotrachelus nenuphar* (Herbst), mobility and mortality: Implications for pest management. **Pest Management Science**. 69: 464-470
59. Lee, D.-H., B.D. Short, S.V. Joseph, J.C. Bergh and **T.C. Leskey**. 2013. Review of the biology, ecology, and management of *Halyomorpha halys* (Hemiptera: Pentatomidae) in China, Japan, and the Republic of Korea. **Environmental Entomology**. 42: 627-641.
60. Lee, D.-H., S.E. Wright, G. Boiteau, C. Vincent, and **T.C. Leskey**. 2013. Effectiveness of glues for harmonic radar tag attachment on *Halyomorpha halys* (Hemiptera: Pentatomidae) and their impact on adult survivorship and mobility. **Environmental Entomology**. 42: 515-523.
61. Shapiro Ian, D.I., S.E. Wright, A.F. Tuttle, D.R. Cooley, and **T.C. Leskey**. 2013. Using entomopathogenic nematodes for biological control of plum curculio, *Conotrachelus nenuphar*: Effects of irrigation and species in apple orchards. **Biological Control**. 67:123-129.
62. **Leskey, T.C.** B.D. Short and D-H. Lee. 2013. Efficacy of insecticide residues on adult *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae) mortality and injury in apple and peach orchards. **Pest Management Science**. 70: 1097-1104
63. Hock, V., G. Chouinard, E. Lucas, D. Cormier, **T.C. Leskey**, S.E. Wright, A. Zhang, and A. Pichette. 2014. Establishing abiotic and biotic factors necessary for reliable male pheromone production and attraction to pheromones by female plum curculios *Conotrachelus nenuphar* (Coleoptera: Curculionidae). **The Canadian Entomologist**. 146: 528-547.

64. Frank, D., A. Zhang, S.E. Wright, J. Walgenbach, J.C. Bergh, and **T.C. Leskey**. 2014. Effect of a pheromone antagonist-based disruption blend on dogwood borer (Lepidoptera: Sesiidae) mate-finding and infestation in a commercial apple orchard. **Journal of Entomological Science**. 49: 44-45.
65. Lee, D.-H., B.D. Short, A.L. Nielsen and **T.C. Leskey**. 2014. Impact of organic insecticides on the survivorship and mobility of *Halyomorpha halys* (Stål) Hemiptera: Pentatomidae) in the laboratory. **Florida Entomologist**. 97(2): 414-421.
66. Khirmian, A., A. Zhang, D.C. Weber, H-Y Ho, J.R. Aldrich, K.E. Vermillion, M.A. Siegler, S. Shirali, F. Guzman and **T.C. Leskey**. 2014. Discovery of the aggregation pheromone of the brown marmorated stink bug (*Halyomorpha halys*) through the creation of stereoisomeric libraries of 1-bisabolen-3-ols. **Journal of Natural Products**. 77(7):1708-1717
67. Weber, D.C., G.C. Walsh, A.S. DiMeglio, M.M. Athanas, **T.C. Leskey**, and A. Khirmian. 2014. Attractiveness of harlequin bug, *Murgantia histrionica*, aggregation pheromone: field response to isomers, ratios, and dose. **Journal of Chemical Ecology**. 40:1251–1259.
68. Lee, D-H., J.P. Cullum, J.L. Anderson, J.L. Daugherty, L.M. Beckett and **T.C. Leskey**. 2014. Characterization of overwintering sites of the invasive brown marmorated stink bug in natural landscapes using human surveyors and detector canines. **PLOSone**. DOI::10.1371/journal.pone.0091575
69. Boiteau, G., C. Vincent, **T.C. Leskey**, B.G. Colpitts, P. MacKinley and D-H. Lee 2014. Impact of host plant connectivity, crop border and patch size on adult colorado potato beetle retention. **PLOSone**. DOI: 10.1371/journal.pone.0095717
70. **Leskey, T.C.**, V. Hock, G. Chouinard, D. Cormier, K. Leahy, D. Cooley, A. Tuttle, A. Eaton and A. Zhang. 2014. Evaluating electrophysiological and behavioral responses to volatiles for improvement of odor-baited Trap tree management of *Conotrachelus nenuphar* (Coleoptera: Curculionidae). **Environmental Entomology**. 43: 753-761.
71. Weber, D.C., **T.C. Leskey**, G.C. Walsh and A. Khirmian. 2014. Synergy of aggregation pheromone with methyl (*E,E,Z*)-2,4,6-decatrienoate in attraction of *Halyomorpha halys* (Hemiptera: Pentatomidae). **Journal of Economic Entomology**. 107: 1061-1068.
72. Lee, D-H, A.L. Nielsen and **T.C. Leskey**. 2014. Dispersal capacity and behavior of nymphal stages of *Halyomorpha halys* (Hemiptera: Pentatomidae) evaluated under laboratory and field conditions. **Journal of Insect Behavior**. 27:639–651.
73. Rice, K.B., J.C. Bergh, E.J. Bergmann, D.J. Biddinger, C. Dieckhoff, G. Dively, H. Fraser, T. Gariepy, G. Hamilton, T. Haye, A. Herbert, K. Hoelmer, C.R. Hooks, A. Jones, G. Krawczyk, M.J. Raupp, C. Rodriguez-Saona, P. Shearer, P. Shrewsbury, D. Venugopal, J. Whalen, N. Wiman, **T.C. Leskey** and J.F. Tooker. 2014. Biology, Ecology, and Management of Brown

Marmorated Stink Bug (Hemiptera: Pentatomidae). **Journal of Integrated Pest Management**. DOI: <http://dx.doi.org/10.1603/IPM14002>

74. Lee, D-H, C-G. Park, B.Y.Seo, G. Boiteau, C. Vincent, and T.C. Leskey. 2014. Detectability of *Halyomorpha halys* (Hemiptera: Pentatomidae) by portable harmonic radar in agricultural landscapes. **Florida Entomologist**. 97(3):1131-1138,
75. Joseph, S.V. J.W. Stallings, **T.C. Leskey**, G. Krawczyk, D. Polk, B. Butler and J.C. Bergh. 2014. Spatial distribution of brown marmorated stink bug (Hemiptera: Pentatomidae) injury at harvest in mid-Atlantic apple orchards. **Journal of Economic Entomology**. 107: 1839-1848.
77. Weber, D.C., G.C. Walsh, T.C. Leskey, A. Dimeglio, M. Athanas, K. Chauhan, and A. Khrimian. 2014. Attraction of harlequin bug (Hemiptera: Pentatomidae) to male-produced pheromone and host plants in the field. **Journal of Chemical Ecology**. 40: 1251-1259.
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79. **Leskey, T.C.**, A. Khrimian, D.C. Weber, J.C. Aldrich, B.D. Short, D-H. Lee and W.R. Morrison III. 2015. Behavioral responses of the invasive *Halyomorpha halys* (Stål) to traps baited with stereoisomeric mixtures of 10, 11-epoxy-1-bisabolen-3-ol. **Journal of Chemical Ecology**. 41:418–429.
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Extramural Funding Summary

Summary of Competitive Grants Received (2000-2017)	
Total Number of Extramural Grants Funded	40
Total Extramural Grant Funding as PD ,Co-PD and Co-PI	\$24,842,430*
Total and (%) Extramural Grant Funding as PD	\$14,328,344* (57.6%)
Total and (%) Extramural Grant Funding as Co-PD/PI only	\$10,514,086* (42.4%)
Total and (%) Extramural Grant Funding to ARS as PD and Co-PD	\$6,289,533* (25.3%)
Total Extramural Grant Funding to AFRS (Leskey)	\$4,298,929* (17.3%)

**Includes ARS Indirect Costs*

Competitive Grants Details

- 2016-2021 **USDA-ARS Areawide.** An Areawide Biointensive Management Plan for Brown Marmorated Stink Bug (BMSB), *Halyomorpha halys* (Stål), to Reduce Impacts Throughout the Agro-Urban Interface. \$1,856,390.
- 2016-2018 **USDA-NIFA SCRI.** Management Of Brown Marmorated Stink Bug In Us Specialty Crops. (co-PD, *Lead Institution: NC State*). \$3,700,000.
- 2016-2018 **Northeast SARE. USDA.** Refining an attracticidal sphere management system for spotted wing drosophila in small fruit production. (PD). \$198,902

- 2016-2018 **Ministry of Primary Industries (New Zealand).** BMSB Surveillance Project: Trap Improvement and Lure Attractiveness. (PD). \$180,664
- 2015-2018 **USDA-NIFA CPPM.** Managing an invasive drosophilid species in agriculture using innovative behavioral manipulation strategies. (Co-PD, *Lead Institution: Rutgers*). \$300,000.
- 2015-2018 **USDA-NIFA OREI.** Development and implementation of systems-based organic management strategies for spotted wing drosophila. (Co-PI, *Lead Institution: UGA*). \$2,000,000.
- 2015-2017 **USDA-NIFA CPPM.** IPM-CPR: A Systems-Level Approach To Manage Brown Marmorated Stink Bug And Conserve Beneficial Insects In Tree Fruit. (Co-PD, *Lead Institution: Rutgers*). \$299,952.
- 2015-2017 **State Horticultural Association of Pennsylvania.** Amplifying Natural Enemy Impacts: Enhancing Attraction of Brown Marmorated Stink Bug (*Halyomorpha halys*) and its Natural Enemies with Semiochemicals to Flower Patches. (PD). \$25,000.
- 2015-2016 **Northeastern IPM Center. Partnership Grant.** Brown Marmorated Stink Bug (BMSB) IPM Working Group: Addressing Consumer/Pest Management Professional Needs and Coordination Expertise (PD). \$20,333.
- 2014-2016 **Northeast SARE. USDA.** Building attract-and-kill systems for management of brown marmorated stink bug in apple orchards. (PD). \$249,967.
- 2014-2016 **USDA Specialty Crops Research Initiative.** USDA-NIFA. Biology, Ecology and Management of Brown Marmorated Stink Bug in orchard crops, small fruit, grapes, vegetables and ornamentals. Two-year renewal of existing project (PD). \$ 5,357,738 (total project = \$10,898,894).
- 2014 **Northeastern IPM Center. Partnership Grant.** Brown Marmorated Stink Bug (BMSB) IPM Working Group: Sustaining Coordinated Efforts and Multiplying Expertise (PD). \$10,000.
- 2013-2015 **Northeastern Regional IPM. USDA-NIFA.** A Novel Attract-and-Kill Approach for Managing the Invasive Pest Spotted Wing Drosophila in Multiple Small Fruit Crops (Co-PD, *Lead Institution: Rutgers*). \$175,000.
- 2013 **Virginia Agricultural Council.** Laboratory and Field Evaluations of Attracticidal Spheres as Tools for Control of Spotted Wing Drosophila (SWD), *Drosophila suzukii* (Matsumura) (Co-PD, *Lead Institution: Virginia Tech.*). \$8,254.

- 2013 **North American Bramble Growers Research Foundation.** Identification of effective toxicants for inclusion in attracticidal spheres for management of *Drosophila suzukii* (Matsumura). (PD) \$5000.
- 2013-2014 **Virginia Department of Agriculture and Consumer Services.** Interpreting data from brown marmorated stink bug traps in apple orchards: toward development of trap-based thresholds for management decisions. (Co-PD, *Lead Institution: Virginia Tech*). \$150,000.
- 2013 **Washington Tree Fruit Research Commission.** Improving early detection of brown marmorated stink bug (Co-PD, *Lead Institution: WSU*). \$286,053.
- 2013 **Northeastern IPM Center. Partnership Grant.** Brown Marmorated Stink Bug (BMSB) IPM Working Group: Extending Knowledge and Reducing Duplication of Effort (PD). \$10,000.
- 2012-2015 **Organic Research and Extension Initiative. USDA-NIFA.** Whole Farm Organic Management of Brown Marmorated Stink Bug and other Pentatomids through Habitat Manipulation. (Co-PD, *Lead Institution: Rutgers*) \$2,672,327.
- 2012 **North American Bramble Growers Research Foundation.** Laboratory and Semi-field Evaluations of Attracticidal Spheres as a Tool for Control of *Drosophila suzukii* (Matsumura). (PD) \$5000.
- 2012-2014 **Pest Mananagement Alternatives Program. USDA-NIFA.** An Integrated Multi-Tactic Approach for Managing Native Weevil Pests of Multiple U.S. Fruit Crops. \$200,000. (co-PD, *Lead Institution: Rutgers*).
- 2012 **Northeastern IPM Center. Partnership Grant.** Brown Marmorated Stink Bug (BMSB) IPM Working Group: Continuity, New Priorities, and Consumers. (PD) \$15,000 .
- 2011 **Northeastern IPM Center. Partnership Grant..** Continuation and Expansion of Brown Marmorated Stink Bug (BMSB) Working Group Activities). (PD) \$20,000.
- 2011-2014 **USDA Specialty Crops Research Initiative.** USDA-NIFA. Biology, Ecology and Management of Brown Marmorated Stink Bug in orchard crops, small fruit, grapes, vegetables and ornamentals. (PD). \$5,739,966 (total project = \$10,898,894).
- 2010 **USDA-NIFA Critical Issues Grant.** Biology, Distribution, and Pest Status of the Brown Marmorated Stink Bug in Agronomic, Fruit and Vegetable Crops, and Urban Areas. (Co-PD, *Lead Institution: Rutgers*). \$90,000.

- 2010 **Northeastern IPM Center.** Partnership Grant. Working Group Meeting to Facilitate Collaboration and Establish Objectives for Brown Marmorated Stink Bug (BMSB). (PD). \$8,000
- 2009-2013 **USDA Specialty Crops Research Initiative.** USDA-NIFA. Manipulating Host- and Mate-Finding Behavior of Plum Curculio: Development of a Multi-Life Stage Management Strategy for a Key Fruit Pest. (PD). \$559,531.
- 2009-2011 **Northeastern Region IPM. USDA-CSREES.** Development of Advanced Integrated Pest Management for Northeastern Apples. (Co-PD, *Lead Institution: UMASS*). \$164,626.
- 2008-2010 **Pest Management Alternatives Program. USDA-CSREES.** A comprehensive approach for behavioral control of the apple maggot fly. (PD). \$228,540.
- 2008 **Northeastern IPM Center.** Partnership Grant. Behaviorally-based management strategies for the plum curculio and apple maggot fly in northeastern apple orchards (PD). \$7,222.
- 2007 **New England Tree Fruit Research Commission.** Evaluation of Attracticidal Spheres for Apple Maggot Fly in New England Apple Orchards. (PD). \$800.
- 2007-2009 **Pest Management Alternatives Program. USDA-CSREES.** Development of an effective mating disruption formulation for the dogwood borer to reduce reliance on organophosphate insecticides in apple orchards. (Co-PD, *Lead Institution: Virginia Tech.*). \$262,587.
- 2007-2009 **State Horticulture Association of Pennsylvania.** Horticultural impact of dogwood borer infestation on establishment and growth of newly planted apple orchards. (PD). \$20,626.
- 2006 **New Hampshire Department of Agriculture.** Evaluation of odor-baited trap trees (Bomb Trees) for direct control of the plum curculio. (PD). \$4990.
- 2006 **New England Tree Fruit Research Commission.** Evaluation of odor-baited trap trees (Bomb Trees) for direct control of the plum curculio. (PD). \$1485.
- 2005-2007 **Southern Region IPM. USDA-CSREES.** Pheromone-Based Management of Dogwood Borer, *Synanthedon scitula* Harris, in Southern Apple Orchards. (Co-PD, *Lead Institution: Virginia Tech.*). \$151,827
- 2005 **Entomological Society of America.** Travel grant for participants in a Program Symposium entitled Bridging the gap between basic behavioral research and crop protection applications for tree fruit agroecosystems: honoring the life and work of Ronald J. Prokopy. \$2000.

- 2004 **Northeast Sustainable Agriculture and Research Education Partnership Grants.** Use of a baited trap crop for stink bug management in peaches. (Project Cooperator, *Lead Institution: WVU*). \$11,000
- 2003-2005 **Southern Region IPM. USDA-CSREES.** Improved Monitoring Techniques and Decision Tools for the Dogwood Borer, *Synanthedon scitula* Harris, in Southern Apple Orchards (Co- PD, *Lead Institution: Virginia Tech.*). \$82,460.
- 2002-2003 **Virginia Department of Agriculture and Consumer Services Agricultural Council.** Insect-Plant Interactions and Biology of Dogwood Borer, *Synanthedon scitula* (Lepidoptera: Sesiidae) Harris, In Apple. (Co-PD, *Lead Institution: Virginia Tech.*). \$6000.
- 2001-2002 **Virginia Department of Agriculture and Consumer Services Agricultural Council.** Sources of olfactory stimuli for female dogwood borer (Lepidoptera: Sesiidae). (Co-PD, *Lead Institution: Virginia Tech.*). \$4000.

Cooperative Agreements

- 2010-2012 **Pennsylvania State University.** Identification of effective insecticides for brown marmorated stink bug. \$100,000.
- 2010-2015 **Virginia Tech.** Monitoring and Management tools for brown marmorated stink bug. \$277,439.
- 2013- 2018 **Virginia Tech.** Development and evaluation of an attract and kill strategy for brown marmorated stink bug in apple orchards. \$194,742.
- 2014- 2019 **Virginia Tech.** Behavioral effects of the brown marmorated stink bug pheromone and pheromone synergist on overwintering site selection in apple orchards. \$170,000.

Honors and Awards

- 2016 **Outstanding Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2015 **Outstanding Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2015 **International IPM Recognition Award.** In recognition of the national efforts to combat the invasive brown marmorated stink bug via the StopBMSB project for which the incumbent is the leader. International IPM Symposium.
- 2014 **Outstanding Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2013 **Superior Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.

- 2013 **Excellence in IPM Award.** Eastern Branch of the Entomological Society of America.
- 2012 **International IPM Award.** In recognition of the Eco-Apple/Red Tomato project for which the incumbent is a team member. International IPM Symposium
- 2012 **Superior Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2011 **Superior Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2011 **Outstanding Leadership Award.** United States Apple Association. In recognition of her leadership for developing a national research and outreach effort to address the invasive brown marmorated stink bug.
- 2010 **Outstanding Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2009 **Superior Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2009 **Hall of Fame Inductee.** Rockwood Area School District, Rockwood, PA. For outstanding achievement in her career and for her community service.
- 2008 **Superior Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2008 **Volunteer of the Year.** Big Brothers Big Sisters of the Eastern Panhandle of the West Virginia. In recognition of participation and volunteer activities with this group.
- 2007 **NAA-ARS Early Career Scientist of the Year.** North Atlantic Area. USDA-ARS. For development of behaviorally based management tools and strategies for plum curculio and dogwood borer pests in tree fruit production.
- 2007 **Outstanding Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station
- 2006 **Outstanding Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2005 **Program Symposium.** Symposium organized by the incumbent was selected as one of the five prestigious Program Symposia for the Annual Meeting of the Entomological Society of America in Fort Lauderdale, FL.
- 2005 **Superior Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2004 **Superior Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2003 **Outstanding Young Alumna Award,** Wilson College. In recognition of scientific achievements and community service.
- 2002 **Outstanding Yearly Performance Award.** USDA-ARS, Appalachian Fruit Research Station.
- 2001 **John Henry Comstock Award,** Eastern Branch, Entomological Society of America.
- 2000 **Harry A. Rosenfeld Award in Applied Entomology,** Department of Entomology. University of Massachusetts at Amherst. In recognition of excellent dissertation research and contributions to the field of applied entomology.

- 1999-2000 **University of Massachusetts University Fellowship Recipient**, University of Massachusetts at Amherst.
- 1998 **Symposium Winner**, University of Massachusetts Graduate Research Symposium. First Place. College of Food and Natural Resources.
- 1998 **Lorena Martin Spillers Scholarship**, National Council of State Garden Clubs.
- 1998 **Violet E. MacLaren Conservation Scholarship**, Garden Club Federation of Massachusetts.
- 1997 **Sarah Bradley Tyson Memorial Fellowship**, Women's National Farm and Garden Association.
- 1995-2000 **Research Assistantship**. Department of Entomology, University of Massachusetts at Amherst.
- 1994 **Gamma Sigma Delta inductee**, The Pennsylvania State University Chapter.
- 1993-1995 **Departmental Assistantship**. Department of Entomology. The Pennsylvania State University.
- 1990 **Magna Cum Laude Graduate**, Wilson College.
- 1989 **National Collegiate Student Government Award**.
- 1988 **Scheffield Scholarship**, The Pennsylvania Easter Seal Society, Department of Camping and Recreation, Camp Counselor Award.
- 1987-1990 **Wilson College Academic Achievement Award**.

Media Coverage

Print and Web-Based

- 2016 **Tri-City Herald**. Stink bug infestation heading toward tri-cities by Annette Cary. October 22, 2016
- 2016 **Baltimore Sun**. Battling the invasive stink bug by Jonathan Pitts. September 1, 2016
- 2015 **U.S. News and World Report**. Wasp that kills stink bugs found; could help fruit orchards, by Nicholas Geranios. October 22, 2015.
- 2015 **New York Times**. Wasp that kills stink bugs found; could help fruit orchards, by AP. October 22, 2015.
- 2015 **Washington Examiner**. Stink bug killer discovered, and it's from Asia, too, by Paul Bedard. September 15, 2015
- 2015 **Democrat & Chronicle**. September 30, 2015. Stink bugs smell up Rochester homes, by Sarah Taddeo.
- 2014 **WTAE Pittsburgh**. October 12, 2014. Stink bugs costing Pennsylvania farmers millions, by Rick Wills.
- 2014 **The Columbus Dispatch**. October 8, 2014. Feds start second annual census of the invasive brown marmorated stink bugs, by Laura Arenschield.
- 2014 **WV Public Radio**. September 16, 2014. Help the USDA Count Stink Bugs in West Virginia, by Liz McCormick.
- 2014 **WJLA Washington DC**. August 27, 2014. Stink bug study: residents sought to help, by the Associated Press.

- 2014 **Pittsburgh Tribune Review.** August 23, 2014. Unusually cold winter, spring reduces populations of Western PA stink bugs, by Alica McElhaney.
- 2014 **NBC 10 Philadelphia.** May 20, 2014. Right on Time, The Malodorous Stink Bug Arise, by Richard Koenig.
- 2014 **National Geographic News.** October 17, 2014. Stink bugs have spread to 41 states; can we stop them? by Jason Bittel.
- 2014 **Washington Examiner.** September 9, 2014. USDA: stink bug peak Oct. 1; brown homes attract the most, by Paul Bedard.
- 2014 **Frederick News-Post.** September 1, 2014. Stink bugs prefer homes in woody, agricultural areas, by Ike Wilson.
- 2014 **The News Journal / DelawareOnline.** July 30, 2014. Pheromone works to help catch stink bugs, by Molly Murray.
- 2014 **Entomology Today.** April 10, 2014. Entomologists use does to hunt down stink bugs, by Entomology today.
- 2014 **Washington Examiner.** April 7, 2014. Stink bugs invade Europe; France, Italy Hit, by Paul Bedard.
- 2014 **The Baltimore Sun.** Sorry. Winter isn't killing the stink bugs, by Susan Reimer.
- 2014 **Washington Post.** March 3, 2014. Winter's freeze stopped ash borers and stink bugs cold, but they're primed for a comeback, by Darryl Fears.
- 2014 **Frederick News Post.** March 3, 2014. Long hard winter benefits agriculture, by Ike Wilson.
- 2014 **NBC 10 Philadelphia.** February 21, 2014. Did winter kill all the stink bugs? by Queen Muse.
- 2013 **New York Times.** November 23, 2013. Wanted Dead or Alive (No, Just Dead), by Anne Raver.
- 2013 **Wall Street Journal.** October 20, 2013. Shutdown raises a stink – but not the kind you think, by Elizabeth Williamson.
- 2013 **Washington Post.** September 29, 2013. Stink bugs are plentiful in Mid-Atlantic states, and they're ready to come indoors for winter, by Darryl Fears.
- 2013 **Washington Post.** September 2, 2013. Residents sought to help in stink bug study, by Cecilia Mason.
- 2013 **Washington Examiner.** August 24, 2013. Feds build citizen army to attract and annihilate stink bugs: 100,000 found in a shed, by Paul Bedard.
- 2013 **Washington Post.** May 26, 2013. Scientists wage war on pervasive stink bugs, by Daryl Fears
- 2013 **Pittsburgh Post-Gazette.** April 22, 2013. Pennsylvania could see stink bugs' return, by Amy McConnell Schaarsmith
- 2013 **The Washington Examiner.** April 16, 2013. Stink bugs spread to 39 states, pest population soars 60 percent, by Paul Bedard
- 2013 **The Frederick News-Post.** April 15, 2013. Bracing for stink bug onslaught, by Ike Wilson.
- 2013 **Citizensvoice.com.** April 15, 2013. Welcome to Creepy, Crawly Season, by Jill Whalen.
- 2013 **National Geographic News.** March 1, 2013. Stink bug threat has farmers worried, by Catherine Zuckerman.

- 2013 **The Winchester Star.** January 24, 2013. Stink bugs could be back in force in 2013, by Rebecca Layne.
- 2013 **The Washington Post.** January 6, 2013. Stink bugs ready to mount comeback, by Caitlin Gibson.
- 2012 **Washington Times.** October 15, 2012. Summer heat brings back the stink bugs, by Shivan Sarna.
- 2012 **USA Today.** October 8, 2012. Stink bugs plot foul-smelling return, by Doyle Rice.
- 2012 **Pittsburgh Post-Gazette.** June 20, 2012. Where have all the stink bugs gone?, by Emily Dobler.
- 2012 **Frederick News Post.** June 11, 2012. New methods to battle stink bugs, by Ike Wilson.
- 2012 **Baltimore Sun, Miami Herald, Kansas City Star.** February 5, 2012. Storms may have killed off many stink bugs, by Candus Thomson
- 2012 **Wall Street Journal.** January 9, 2012. Out of odor: offensive-smelling bugs put U.S. Farmers on the Defensive, by Heather Haddon.
- 2012 **The Washington Times.** October 15, 2012. Summer heat brings back the stink bug, by Shivan Sarna.
- 2012 **LiveScience.** September 25, 2012. Stink bug invasion promises foul fall, by Eli MacKinnon.
- 2012 **Washington Post.** March 16, 2012. Stink bugs ‘migrating’ to the Deep South, by Daryl Fears.
- 2011 **Hagerstown Herald Mail.** September 6, 2011. Nationally recognized stink bug expert. They’re on the way, by Richard Belisle.
- 2011 **National Wildlife Federation Magazine.** August 2011. Invasive species: little bugs cause big stink, by Michael Lipske.
- 2011 **Washington Post.** August 7, 2011. Invasive bugs making a big stink, by Darryl Fears.
- 2011 **LA Times.** August 1, 2011. Stink bug invasion puts entomologist in demand, by Richard Simon.
- 2011 **Winchester Star.** July 23, 2011. They’re back: stink bugs set for round 2, by Val Van Meter.
- 2011 **US News and World Report.** June 30, 2011. EPA acts on stink bug emergency, by Paul Bedard.
- 2011 **AFP.** June 28, 2011. Asian ‘megapest’ is chomping up US Orchards, by Kerry Sheridan.
- 2011 **Washington Post.** June 23, 2011. Bill would make stink bugs a top priority for USDA, by Caitlin Gibson.
- 2011 **The Daily Mail.** Now U.S. plagued by stink bug epidemic, causing \$37m in damage as one-fifth the apple harvest ruined, by Daily Mail.
- 2011 **Associated Press.** (Boston Globe, Miami Herald, Daily Mail UK). May 20, 2011. Stink bug spread worries growers across nation by David Dishneau and Genaro Armas.
- 2011 **USA Today.** April 26, 2011. For gardeners, stink bugs are not a problem to sniff at, by Janice Lloyd

- 2011 **USA Today.** April 26, 2011. Researchers searching for ways to squash invasive species, by Janice Lloyd
- 2011 **New York Times.** April 21, 2011. Stink bugs: It could be worse, by Anne Raver.
- 2011 **Washington Post.** April 21, 2011. The return of stink bugs, by Caitlin Gibson.
- 2011 **Columbia Dispatch.** April 17, 2011. Farmers worry as stink bugs cover Ohio, by Jason Shough.
- 2011 **US News and World Report.** April 8, 2011. Washington whispers: foul stink bug targets wine grapes, by Paul Bedard.
- 2011 **USA Today.** March 27, 2011. Beware of the Stink bug: Pungent pest population on the rise, by Doyle Rice.
- 2011 **Frederick News Post.** March 19, 2011. All hands on deck for stink bug solution, by Ike Wilson.
- 2011 **Baltimore Sun.** February 28, 2011. Tiny wasp could curb massive stink bug invasion, by Mary Carole McCauley.
- 2011 **USA Today.** February 11, 2011. Full coverage, West Virginia.
- 2011 **Hagerstown Herald-Mail.** February 9, 2011. Nearly four hundred jam into auditorium to learn more about stink bugs, by Richard Belisle.
- 2010 **Time Magazine.** September 27, 2010. Home turf war: Stink bugs are closing in on bedbugs' territory', by Meredith Melnic.
- 2010 **Baltimore Sun.** September 23, 2010. Maryland farmers besieged by stink bugs, by Frank. D. Roylance.
- 2010 **New York Times.** September 26, 2010. Move over bed bugs: stink bugs have landed, by Ken Maguire.
- 2010 **Washington Post.** September 24, 2010. Invasion of stink bugs has homeowners, farmers seeking relief, by Lena Sun.

Broadcast

- 2016 **Wisconsin Public Radio.** Brown marmorated stink bug – a growing agricultural pest in the U.S. by Scott Bordon and Karen Faster. April 28, 2016
- 2015 **WRNR Talk Radio,** September 28, 2015. Fall invasion of the brown marmorated stink bug with Rob Mario.
- 2015 **WRNR Talk Radio,** May 6, 2015. Springtime insect pests including brown marmorated stink bug with Rob Mario.
- 2014 **NPR All Things Considered.** May 2, 2014. How a pan, a lamp and a little pit of water can trap a stink bug, by Robbie Harris.
- 2014 **WVTF Public Radio.** May 1, 2014. The perfect stink bug trap is all natural!, by Robbie Harris
- 2013 **Voice of America.** November 13, 2013. Spread of Asian Stink Bug Threatens US Crops by Tom Banse.
- 2013 **NPR News.** From 'death jars' to wasps: a quest to stamp out the stink bug, by Alan Yu.
- 2013 **WV Public Radio.** August 21, 2013. You can help scientists study stink bugs, by Cecilia Mason.
- 2013 **The Diane Rehm Show.** May 7, 2013. Environmental Outlook: Stink Bugs, by Diane Rehm.

- 2013 **BBC News**, Washington. April 26, 2013. US Farms Turned into Stink Bug Battlefield, by Jane O'Brien
- 2013 **BBC News**, Washington. April 25, 2013. Stink bugs: the scientific battle against an insect invasion, by Jane O'Brien.
- 2013 **Weather.com**. April 28, 2013. Stink Bug Infestation: The Search for a Predator
- 2013 **BBC News**. Washington. April 25, 2013. How to stop stink bugs: Radar tracks infestation, by Jane O'Brien.
- 2013 **NPR News**, April 6, 2013. Spring Blooms, and so do the creepy crawlers, by Jackie Lyden
- 2013 **NPR News**. January 18, 2013. Stink bug's resurfacing may squash farmers' hopes for a strong 2013, by Sabri Ben-Anhour.
- 2013 **WAMU. Morning Edition**. January 2, 2013. Stink Bug Population Will Bounce Back In 2013, by Sabri Ben-Achour.
- 2012 **WHAG. NBC25**. June 5, 2012. Fruit growers wary of stink bug,s by Jennifer Lee.
- 2011 **CSPAN**. September 17, 2011. Economic cost of stink bugs' with Rob Charleston, Washington Journal.
- 2011 **WV Public Broadcasting**. August 26, 2011. Stink bug research continues by Cecilia Mason, This Week in West Virginia
- 2011 **Fox News**. August 4, 2011. Authorities scramble to stop Asian stink bug invasion with Jon Scott, Happening Now.
- 2011 **WV Public Radio**. July 18, 2011. Stink bug battle on the horizon, by Cecilia Mason.
- 2011 **PBS. The News Hour**. May 24, 2011. Is a wasp the solution to save valued crops?, by Jenny Marder.
- 2011 **WV Public Radio**. May 10, 2011. State readies for stink bug invasion with Cecilia Mason.
- 2011 **WAMU. The Animal House**. May 7, 2011. Stink bugs with Sam Litzinger.
- 2011 **WTTG Fox 5**. April 24, 2011. Scientists keeping up fight against stink bugs, by Beth Parker.
- 2011 **WBAL. NBC11**. April 14, 2011. Experts: Stink bug has become multimillion dollar problem, by Lisa Robinson.
- 2011 **Federal News Radio**. March 31, 2011. USDA working to fight stink bug infestation, by Suzanne Kubota.
- 2011 **WHAG. NBC25**. February 8, 2011. Shepherdstown stink bug seminar attracts hundreds, by Alex Hoff.
- 2010 **NPR. Science Friday**. October 1, 2010. Smelly invaders want to crawl into your home with Ira Flatow.
- 2010 **WTTG FOX5**. September 25, 2010. Stink bugs causing damage to Maryland Crops, by Beth Parker.
- 2010 **WV Public Radio**. August 27, 2010. Stink bugs damaging crops with Cecilia Mason.

Commodity Press

- 2016 **Growing Produce**. New project targets BMSB – sustainably by Rosemary Hallberg. October 30, 2016.

- 2015 **Good Fruit Grower.** October 2015. New “alien” wasp found in Washington State; could be bad news for stink bug.
- 2015 **Agricultural Research.** March 2015. Sniffing out overwintering stink bugs, by Sharon Durham.
- 2015 **Growing Produce.** March 2015. USDA uses man’s best friend to track stink bug, by Growing Produce Staff.
- 2015 **Good Fruit Grower.** Search continues for stink bug predators, by Melissa Hansen.
- 2014 **Growing Produce.** Seeing the Postives in Brown Marmorated Stink Bug Invasion, by James R. McFerson.
- 2014 **Good Fruit Grower.** November 2014. Controlling the stinkers: Great strides have been made against brown marmorated stink bug, by Richard Lenhart.
- 2014 **WSU News.** Invading stink bugs eat Cinderella’s pumpkins, by Linda Weiford.
- 2014 **NZ Farmer.** Kicking up a stink over another unwanted pest, by Gerard Hutching.
- 2013 **Fruit Growers News.** April 2013. Controlling BMSB top priority for research project ,by Sharon Durham and Dennis O’Brien.
- 2013 **The Grower.** January 18, 2013. Study: Black pyramid traps catch more marmorated stink bugs, by Vicky Boyd.
- 2012 **WSU News.** March 4, 2014. Scientist SWAT team combats stink bug invasion, by Linda Weiford.
- 2012 **Good Fruit Grower.** March 1, 2012. Stink bug poses big threat, by Geraldine Warner.
- 2012 **Fruit Grower News.** March 2012. Tiny wasp could be stink bug’s downfall.
- 2012 **AgInfo.Net. Fruit Grower Report.** January 2012. Brown Marmorated Stink Bug, by Greg Martin.
- 2011 **American Agriculturalist.** December 6, 2011. USDA Researchers and Extension Tackling Unprecedented Pest Threat.
- 2011 **Lancaster Farming.** November 19, 2011 Stink Bug Numbers Show Overall Decline, by Ayleen Stelhorn
- 2011 **Growing Produce.** August 31, 2011. Beast of the East, by Brian Sparks
- 2011 **Good Fruit Grower.** May 15, 2011. Stink bug spreads in Pacific Northwest, by Geraldine Warner.
- 2011 **Fruit Grower News.** April 2011. Maryland family celebrates 50 years for farm market, by Derrek Sigler.
- 2011 **Good Fruit Grower.** March 1, 2011. Defense strategies. Insect threatens a multibillion-dollar tree fruit industry, by Richard Lenhart.
- 2011 **The Packer.** February 24, 2011. Karst chat with Tracy Leskey: What about the brown marmorated stink bug, by Tom Karst.
- 2011 **Fruit Grower News.** February 2011 This bug really stinks by Derrek Sigler.
- 2010 **The Grower.** December 2010. Invasive bug wreaks havoc in the East, Mid-Atlantic, by Vicky Boyd
- 2010 **American/Western Fruit Grower.** Stink Bug: A Grower’s Nightmare, by Brian Sparks.

- 2010 **Fruit Grower News.** October 2010. Brown marmorated stink bug is a dangerous pest.
- 2010 **Good Fruit Grower.** October 1, 2010. Growers tackle onerous stink bug, by Richard Lenhert.
- 2010 **Lancaster Farming.** September 4, 2010. Stink bugs becoming a concern for fruit growers, by Chris Torres.
- 2010 **Good Fruit Grower.** May 1, 2010. Fatal attraction. Researchers are looking at ways to lure plum curculio into trap trees or small areas that can be treated with insecticide, by Richard Lenhert.

Mentoring, Supervisory, and Collaborative Activities

Post-Doctoral Researchers

1. Dr. Angel Acebes-Doria (2017-present)
2. Dr. Kevin Rice (2015 – present)
3. Dr. William Robert Morrison (2014 – 2016)
4. Dr. Doo-Hyung Lee (2011-2014)
5. Dr. Christie Harris (2011-2013) – co-supervisor with Dr. Aijun Zhang
6. Dr. Shimat Joseph (2011-2012) – co-supervisor with Dr. Chris Bergh

Graduate Students

1. Whitney Hadden. Ph.D. Candidate. Virginia Tech. co-advisor with Dr. Chris Bergh
2. Nicole Quinn. Ph.D. Candidate. Virginia Tech. co-advisor with Dr. Chris Bergh.
3. Angelita Acebes-Doria. Ph.D. 2016. Virginia Tech. co-advisor with Dr. Chris Bergh.
4. Torri Hancock. M.S. 2015. Virginia Tech Co-advisor with Dr. Chris Bergh.
5. John Cullum. M.S. 2017. Virginia Tech Co-advisor with Dr. Chris Bergh.
6. John Aigner. Ph.D. 2016 Virginia Tech. Committee Member.
7. John Cambridge. Ph.D. 2016. Rutgers University. Committee Member.
8. Raphael Valentin Ph.D. Candidate. Rutgers University. Committee Member.
9. Ben Chambers. Ph.D. Candidate Virginia Tech. Committee member.
10. Virginia Hock. Ph.D. Candidate. University of Quebec. Committee Member.
11. Amanda Bakken. M.S. 2014. NC State. Committee Member.
12. Jhalendra Rijal. Ph.D. 2014. Virginia Tech. Committee Member.
13. Sudan Gyawaly. M.S. 2011. WVU. Committee Member.
14. Daniel Frank. Ph.D. 2009. Virginia Tech. Co-advisor with Dr. Chris Bergh.
15. Xing Zhang. Ph.D. 2006. Virginia Tech. Committee Member.

Student Employees and Interns

1. Kyle Bejeckla
2. MacKenzie Allen*
3. Josh Griffin*
4. Hayley Bush
5. Brandon Nicolosi*
6. Austin Ogden
7. Matthew Weltz*

Leskey CV

8. Morgan Douglas
9. Brittany Poling*
10. Olivia Lane*
11. Samuel Brandt*
12. Erica Payne
13. Zachary Moore
14. Sean Wiles
15. Britney Rankin
16. Zoe Milburn
17. Rebecca Posa
18. Kent Thomas
19. Medo Hallack
20. Stephen Jones
21. Joseph Freeman
22. Jessica Goode*
23. Jessica (Thompson) Frank
24. Brandon Silver
25. Adam Sperry
26. Rachel Gray*
27. John Cullum
28. Cathy Wirth*
29. Torri Hancock
30. Dennis Bennett

*Indicates student completed internship or senior capstone project in lab

Laboratory Support Scientists and Technical Staff

1. Sharon Jones
2. Brent Short
3. Chris Hott
4. Lee Carper
5. Anthony Rugh
6. Torri Hancock
7. John Cullum
8. Samuel Brandt
9. Cameron Scorza
10. Starker Wright

Visiting Scientists

1. Carol Bedoya, University of Canturbury, Christchurch, NZ
2. Laura Nixon, Lincoln University, Christchurch, NZ
3. Clarissa Mathews, Shepherd University.
4. Bo Yoo Seo, Rural Development Agency, South Korea.
5. Chang-Gyu Park, Rural Development Agency, South Korea.
6. Bryan Butler, University of Maryland.
7. Jeanne Sullivan, West Virginia Wesleyan University.
8. Charles Vincent, Agriculture AgriFoods Canada.

9. Julien Saguez, Agriculture AgriFoods Canada.
10. Clement Akotsen-Mensah, Auburn University.
11. Simon Aime, Agriculture AgriFoods Canada and ISRA Lyon, France.

Educational Outreach Activities

- 2016 **Maryland Horticultural Society Summer Tour.** Provided presentations on brown marmorated stink bug and spotted wing drosophila projects at commercial orchards in MD.
- 2016 **Young Grower Alliance Tour.** Appalachian Fruit Research Station. Hosted a stationwide tour of laboratory, greenhouse and field to highlight current research projects.
- 2013 **Student Climate and Conservation Congress Instructor.** National Conservation Training Center, Shepherdstown WV 25443. Provided a course to middle school student environmental leaders on impact of and behavioral techniques for the study of invasive species.
- 2012 **Student Climate and Conservation Congress Instructor.** National Conservation Training Center, Shepherdstown WV 25443. Provided a course to middle school student environmental leaders on impact of and behavioral techniques for the study of invasive species.
- 2007-2010 **Master Naturalist Instructor.** National Conservation Training Center, Shepherdstown WV 25443. Provided day-long course on field-oriented entomological topics to master naturalist students.
- 2005-2009 **Science Olympiad Activity Leader.** National Conservation Training Center, Shepherdstown WV 25443. Provided activity designed to teach middle school age children about the principles of ecologically-based mark-release-recapture experiments.
- 2005 **Summer Science Institute for Girls Instructor.** Summer Science Institute for Girls, Wilson College, Chambersburg PA 17201. Presented program on behavioral and chemical ecology of tree fruit insects and behaviorally-based mechanisms for their control in orchards and provided hands-on exercises designed to teach students how to conduct laboratory and field-based ecological experiments.
- 2004 **Apple Harvest Festival Coordinator.** USDA-ARS, Appalachian Fruit Research Station, Kearneysville WV 25430. Organized events, activities, and tours for the public at AFRS during annual local festival.
- 2002 **Summer Science Institute for Girls Instructor.** Wilson College, Chambersburg PA 17201. Presented program on behavioral and chemical ecology of tree fruit insects and provided hands-on exercises designed to teach students how to conduct laboratory and field-based ecological experiments.
- 2002 **Instructor.** Families at the Center, Hagerstown Community College, Hagerstown MD. Presented a hands-on program entitled, 'Going Buggy' to elementary school children.
- 2001-Present **Tour Program Leader.** USDA-ARS, Appalachian Fruit Research Station, Kearneysville WV 25430. Presented program on behavioral and

- chemical ecology of tree fruit insects and behaviorally-based mechanisms for their control in orchards to elementary, middle, and high school students, college students, girl and boy scout troops, master gardener students, visitors from EPA and other government agencies, fruit growers from United States, Israel, Australia, and South Africa, and the general public.
- 2001 **Green Ribbon Day Coordinator.** USDA-ARS, Appalachian Fruit Research Station, Kearneysville WV 25430. Organized events, activities, and tours for winners of scholastic science fairs held throughout West Virginia.
- 1997 **Workshop Leader.** Earth Connections, University of Massachusetts at Amherst, Amherst, MA 01003. Participated in outreach program designed to educate teenagers about the value of sustainable agriculture and integrated pest management.
- 1996-1999 **Outreach Volunteer.** University of Massachusetts at Amherst, Amherst, MA 01003. Prepared and participated in outreach activities designed for elementary school children to teach them about the subject of entomology using demonstrations, displays, and live insects.
- 1993-1995 **Outreach Volunteer.** The Pennsylvania State University, University Park, PA 16802. Prepared and participated in outreach activities designed for elementary school children including 'The Great Insect Fair' to teach them about the subject of entomology using demonstrations, displays, and live insects.

Professional Presentations

Invited Presentations (**If additional authors, indicates individual who made the presentation*)

- 2016 **West Virginia University.** Development of behaviorally based tools for management of the invasive brown marmorated stink bug. **T.C. Leskey.** Morgantown, WV.
- 2016 **University of Kentucky.** Development of behaviorally based tools for management of the invasive brown marmorated stink bug. **T.C. Leskey.** Lexington, KY.
- 2016 **XXV International Congress of Entomology.** Using the latest generation of harmonic radar and microtags to track the retention capacity of the brown marmorated stink bug in crops augmented with semiochemicals. Morrison, III W.R., D.-H. Lee, Bruce G. Colpitts, Charles Vincent, Gilles Boiteau, and **T.C. Leskey.** Orlando, FL.
- 2016 **Michigan State University.** Pheromone-Based Decision Support Tools and Management Tactics for the Invasive Brown Marmorated Stink Bug. Invited by Courtney Larson, Department of Entomology. **T.C. Leskey.** East Lansing, MI.
- 2016 **University of Georgia.** Pheromone-Based Decision Support Tools and Management Tactics for the Invasive Brown Marmorated Stink Bug. Invited by Dr. Ashfaq Ahmad, Department of Entomology. **T.C. Leskey.** Athens, GA.

- 2016 **Shenandoah University.** Friend or foe: knowing your key beneficial and pest insects and some methods for managing them. Gardening in the Shenandoah Valley Symposium, hosted by the Northern Shenandoah Valley Master Gardeners Association. Morrison, III W.R., N.F. Quinn, and **T.C. Leskey.** Winchester, VA.
- 2016 **Western Maryland Regional Fruit Meeting.** Update on attract-and-kill and trap type/lure comparisons for brown marmorated stink bug. Morrison, III W.R., B.D. Short, and **T.C. Leskey.** Keedysville, MD.
- 2016 **West Virginia University.** Avoiding ‘brownouts’: Tactics to monitor, manage, and minimize brown marmorated stink bug populations. Invited by Dr. Yong-Lak Park, Departmental Seminar, Division of Plant and Soil Sciences. Morrison, III W.R. and **T.C. Leskey.** Morgantown, WV.
- 2015 **Cumberland-Shenandoah Fruit Workers Conference.** Foraging behavior of spotted wing drosophila. Rice, K.*, Sharon Jones, Brent Short and **T.C. Leskey.** Winchester, VA.
- 2015 **Cumberland-Shenandoah Fruit Workers Conference.** Hunting down the hunters: *H. halys* egg damage and natural enemies. Morrison, W.R.*, C. Mathews and **T.C. Leskey.** Winchester, VA.
- 2015 **Cumberland-Shenandoah Fruit Workers Conference.** Characterization of the feeding injury caused by *Halyomorpha halys* nymphs on apple and peach at harvest. Acebes-Doria, A.*, C. Bergh and **T.C. Leskey.** Winchester, VA.
- 2015 **USDA NIFA SCRI CAP Brown Marmorated Stink Bug Project Stakeholder Advisory Panel Meeting.** Predation of the invasive brown marmorated stink bug (Hemiptera: Pentatomidae) by spiders associated with human dwellings. Poster presentation. Poling, B.*, W.R. Morrison III, A. Bryant, N. Quinn, and **T. Leskey.** Kearneysville, WV.
- 2015 **USDA NIFA SCRI CAP Brown Marmorated Stink Bug Project Stakeholder Advisory Panel Meeting.** Sublethal effects of insecticides on the behavior of *Halyomorpha halys*: Mobility and flight capacity. Poster presentation. Morrison, III W.R., B. Poling*, and **T.C Leskey.** Kearneysville, WV.
- 2015 **USDA NIFA SCRI CAP Brown Marmorated Stink Bug Project Stakeholder Advisory Panel Meeting.** Overwintering site selection for brown marmorated stink bug: Results generated by citizen scientists. Poster presentation. Hancock, T.J.*, D-H Lee, J.C. Bergh, W.R. Morrison III, and **T.C. Leskey.** Kearneysville, WV.
- 2015 **Entomological Society of America.** Annual Meeting. Symposium: Pheromone-based decision support tools and management tactics for the invasive

brown marmorated stink bug (Hemiptera: Pentatomidae) in specialty crops.
Leskey, T.C., B.D. Short, D.-H. Lee, W.R. Morrison III, J.C. Bergh, J.P. Cullum, D. Weber, and A. Khrimian. Minneapolis, MN.

- 2015 **Entomological Society of America**. Annual Meeting. Symposium: Sublethal effects of insecticides on the behavior of *Halyomorpha halys*: Mobility and flight capacity. Morrison, III W.R., B. Poling, and **T.C Leskey**. Minneapolis, MN.
- 2015 **Entomological Society of America**. Annual Meeting. Symposium: Overwintering site selection for brown marmorated stink bug: Results generated by citizen scientists. Hancock, T.J., D-H Lee, J.C. Bergh, W.R. Morrison III, and **T.C. Leskey**. Minneapolis, MN.
- 2015 **USDA-NIFA SCRI Specialty Crop Committee**. Developing strategies to manage the invasive brown marmorated stink bug through cooperative, collaborative and integrated initiatives. Washington, DC.
- 2015 **Invasive Terrestrial Animals and Pathogens Federal Interagency Committee (ITAP)**. Progress on development of sustainable solutions for managing the invasive brown marmorated stink bug and spotted wing drosophila. Beltsville, MD.
- 2015 **Bi-Annual Brown Marmorated Stink Bug Northeast IPM Working Group Meeting**. Utilizing citizen science to identify characteristics important to overwintering site selection for brown marmorated stink bug. Hancock, T.J., D-H Lee, J.C. Bergh, W.R. Morrison III and **T.C. Leskey**. College Park, MD.
- 2015 **Western BMSB SCRI Planning Meeting**. Developing strategies to manage the invasive brown marmorated stink bug through cooperative, collaborative and integrated initiatives. Portland, OR.
- 2015 **National Integrated Pest Management Symposium**. Biology, ecology and management of brown marmorated stink bug. Salt Lake City, UT.
- 2015 **Eastern Branch of the Entomological Society of America**. Symposium: Development of a multi-lifestage behavioral strategy for management of plum curculio in apple orchards. **Leskey, T.C.**, T.J. Hancock, A. Zhang, D. Shapiro-Ilan, A. Eaton. K. Leahy, D. Cooley, A. Tuttle and P. Drohan. Rehoboth Beach, DE.
- 2015 **Eastern Branch of the Entomological Society of America**. Symposium: Managing the Ongoing Threat Posed by Invasive Species in the Eastern U.S. Laying the foundation for an attract-and-kill strategy to manage *H. halys* (Pentatomidae: Hemiptera) in apple orchards in the mid-Atlantic. Morrison, W.R.* and **T.C. Leskey**. Rehoboth Beach, DE.

- 2015 **Eco-Apple/Red Tomato Annual Meeting.** What we have learned about the brown marmorated stink bug. Bard College, 10-11 March. Annandale-on-Hudson, NY.
- 2015 **University of Maryland.** Departmental Seminar. Behaviorally-based management strategies for the brown marmorated stink bug: An update from West Virginia. Morrison, W.R.* and **T.C. Leskey.** College Park, MD.
- 2015 **Annual Cultivate the Chesapeake Foodshed Conference.** Management of invasive pests and other emerging issues in sustainable pest control. Morrison, W.R.*, C. Mathews*, and **T.C. Leskey.** College Park, MD.
- 2014 **Entomological Society of America.** Annual Meeting. Plant Insect Ecosystems Networking and Business Session. Keynote Speaker. Developing strategies to manage the invasive brown marmorated stink bug through cooperative, collaborative and integrated initiatives. Portland, OR.
- 2014 **Entomological Society of America.** Annual Meeting. Organized Meeting: Spotted Wing Drosophila: Developing Solutions for a Challenging Pest. Developing behaviorally based tools for management of spotted wing drosophila. **Leskey, T.C.,** B.D. Short and C. Rodriguez-Saona. Portland, OR.
- 2014 **Rutgers University.** Departmental Seminar. Using a carrot-and-stick approach: Attraction, retention, and management of brown marmorated stink bug in fruit and vegetables. Morrison, W.R.*, and **T.C. Leskey.** New Brunswick, NJ.
- 2014 **Northeastern IPM Center.** Advisory Council Meeting. Accomplishments of the brown marmorated stink bug IPM working group. Baltimore, MD.
- 2014 **National Gypsy Moth Management Board Meeting.** Biology, Ecology and Management of Brown Marmorated Stink Bug. Louisville, KY.
- 2014 **North Carolina State University.** Departmental Seminar. Developing Pheromone-Based Monitoring and Management Tools for the invasive Brown Marmorated Stink Bug. Raleigh, NC.
- 2014 **Auburn University.** Departmental Seminar. Developing Pheromone-Based Monitoring and Management Tools for the invasive Brown Marmorated Stink Bug. Auburn, AL.
- 2014 **Spotted Wing Drosophila IPM Working Group.** Developing Behaviorally Based Strategies for Management of Spotted Wing Drosophila. Highlands, NY.
- 2014 **The IR-4 Project Workshop.** Seeking pest management solutions for growers around the world. Pheromone-Based Tools for Management of the Invasive Brown Marmorated Stink Bug in Specialty Crops. Atlanta, GA.

- 2014 **Annual South African Macadamia Workshop.** Steps leading to the identification and application of semiochemicals in agriculture. Morrison, W.R.*, Z. Szendrei, and **T.C. Leskey**. Tzaneen, South Africa.
- 2014 **Annual South African Macadamia Research Symposium.** Field and landscape distribution of insects in agriculture: Prospects for their management through the use of semiochemicals. Morrison, W.R.*, Z. Szendrei, and **T.C. Leskey**. Tzaneen, South Africa.
- 2014 **Better Border Biosecurity (B3) Conference.** Keynote Speaker. Risks Posed by the Brown Marmorated Stink Bug. Wellington, NZ.
- 2014 **Ministry of Primary Industries, New Zealand.** MPI Workshop. Risks Posed by the Brown Marmorated Stink Bug. Wellington, NZ.
- 2014 **Plant and Food Research, Mt. Albert.** Seminar Presentation. Developing Monitoring and Management Tools for the invasive Brown Marmorated Stink Bug in Specialty Crops. Auckland, NZ.
- 2014 **Gachon University.** Departmental Seminar. Developing Monitoring and Management Tools for the invasive Brown Marmorated Stink Bug in Specialty Crops. Seoul, South Korea.
- 2014 **Rural Development Agency of South Korea.** Institute Seminar. Developing Monitoring and Management Tools for the invasive Brown Marmorated Stink Bug in Specialty Crops. Suwon, South Korea.
- 2014 **Oregon Wine Research Institute Grape Day.** Developing Monitoring and Management Tools for the invasive Brown Marmorated Stink Bug in Specialty Crops. Corvallis, OR.
- 2014 **Eco-Apple/Red Tomato Annual Meeting.** Developing sustainable solutions for managing the invasive brown marmorated stink bug. Annandale-on-Hudson, NY.
- 2014 **Mid-Atlantic Fruit and Vegetable Conference.** Developing effective monitoring tools for the invasive brown marmorated stink bug. Hershey, PA.
- 2013 **Entomological Society of America.** Annual Meeting. Member Symposium: Strengthening the Connection between Continents –A Symposium Honoring Silvia Dorn's Impact on Applied Entomological Research. Leading the way toward innovative and sustainable solutions for agriculture: Silvia Dorn, a role model for women in science. Austin, TX.
- 2013 **Entomological Society of America.** Annual Meeting. Member Symposium: Science impacting a Connected INSECT World: use of Aggregation Pheromones

in Pest Management. Aggregation pheromones of weevils and their use in pest management. **Leskey, T.C.**, A. Zhang, D. Shapiro-Ilan, A. Eaton, K. Leahy, A. Tuttle and D. Cooley. Austin, TX

- 2013 **Entomological Society of America.** Annual Meeting. Member Symposium: Science impacting a Connected INSECT World: use of Aggregation Pheromones in Pest Management. Use of stereoisomeric libraries for discovery of bug aggregation pheromones: a case study with 1,10-bisaboladien-3-ols. Khrimian, A.*, A. Zhang, D.C. Weber, H-Y Ho, J.R. Aldrich, K.E. Vermillion, M.A. Siegler, S. Shirali, F. Guzman and **T.C. Leskey**. Austin, TX.
- 2013 **Paper Presentation.** Entomological Society of America. Member Symposium: Young Korean Entomologists Exploring overwintering ecology of brown marmorated stink bug using detector dogs. Lee, D-H.*, **T.C. Leskey**, L. Beckett, J. Anderson and J. Daugherty. Austin, TX.
- 2013 **Eastern Branch of the Entomological Society of America.** Symposium: The Challenges of Invasive Pests to Fruit IPM. Monitoring BMSB movement into specialty crops: Recent advances and unanswered questions. Lancaster, PA.
- 2013 **Eastern Branch of the Entomological Society of America.** Symposium: The Challenges of Invasive Pests to Fruit IPM. Synergy of attractants for season-long monitoring of BMSB. Weber, D.C.*, A. Khrimian and **T.C. Leskey**. Lancaster, PA.
- 2013 **Eastern Branch of the Entomological Society of America.** Workshop Presentation. Getting a job with the USDA. Lancaster, PA.
- 2013 **University of Maryland, Carroll County Extension Center.** Improving Detection Tools for Brown Marmorated Stink Bug. Westminster, MD
- 2013 **Blue Ridge Mountain Association Meeting.** What we have learned about the brown marmorated stink bug. Bluemont, VA.
- 2013 **Red Tomato Annual Growers Meeting.** BMSB: Solutions emerging after two years of research. Bard College, Annandale-on-Hudson, NY.
- 2013 **Annual South African Avocado Growers Association Research Symposium.** Developing Monitoring and Management Tools for the invasive Brown Marmorated Stink Bug in Specialty Crops. Tzaneen, South Africa.
- 2013 **SubTrop Agriculture Stinkbug Committee Workshop.** Developing Monitoring and Management Tools for the invasive Brown Marmorated Stink Bug in Specialty Crops. Tzaneen, South Africa.
- 2013 **Utah State University.** Spotted Wing Drosophila and Brown Marmorated Stink Bug Workshop for Commercial Fruit Growers. Developing Monitoring and

- Management Tools for the invasive Brown Marmorated Stink Bug in Specialty Crops Spanish Forks, UT.
- 2013 **Mid-Atlantic Fruit and Vegetable Convention.** Monitoring tools for the Invasive Brown Marmorated Stink Bug. Hershey, PA.
- 2012 **Iowa State University, Department of Entomology.** Departmental Seminar. Developing Monitoring Tools and Management Solutions for the Brown Marmorated Stink Bug. Ames, IA.
- 2012 **International Congress of Entomology.** Chemically-based monitoring of the brown marmorated stink bug. **Leskey, T.C.**, A. Khrimian, A. Zhang, D. Weber and J. Aldrich. Daegu, South Korea.
- 2012 **International Congress of Entomology.** Brown marmorated stink bug: Impact of an Asian species introduced into North America. **Leskey, T.C.** and A. L. Nielsen. Daegu, South Korea.
- 2012 **Spotted Wing Drosophila (SWD) Roundtable Meeting.** Attract and Kill Systems for SWD. Tampa, FL.
- 2012 **Whole Foods Team Building.** BMSB and IPM Principles and Practices. Southington, CT.
- 2012 **Ohio Specialty Crop Research Forum.** Emerging insect pests. Detection and Management. Lorain, OH.
- 2012 **National Plant Board Annual Meeting.** Developing management solutions for the brown marmorated stink bug. Mystic, CT.
- 2012 **Boonsboro Green Fest.** Brown marmorated stink bug: one year later. Boonsboro, MD.
- 2012 **University of Delaware.** Departmental Seminar. Developing monitoring and management tools for the brown marmorated stink bug. Newark, DE.
- 2012 **Hood College.** Departmental Seminar. Developing monitoring and management tools for the brown marmorated stink bug. Frederick, MD.
- 2012 **Eco-Apple/Red Tomato Annual Meeting.** What we have learned about the brown marmorated stink bug. Bard College, Annandale-on-Hudson, NY.
- 2012 **Rutgers University.** Department Seminar. Developing monitoring and management tools for the invasive brown marmorated stink bug. New Brunswick, NJ.

- 2012 **Entomological Society of Washington.** Brown marmorated stink bug: what we have learned so far. Smithsonian Museum of Natural History, Washington, DC.
- 2012 **Great Plains Fruit and Vegetable Conference.** Developing monitoring and management tools for the brown marmorated stink bug. St. Joseph, MO.
- 2012 **Virginia Horticultural Society.** The latest update on BMSB. Bergh, C. and **T.C. Leskey.** Richmond VA.
- 2012 **Piedmont/Blueridge Horticultural Society.** The impact of the invasive brown marmorated stink bug. Blandy Experimental Farm and State Arboretum. Boyce, VA.
- 2012 **Virginia Crop Production Association.** The impact of the invasive brown marmorated stink bug. Richmond, VA.
- 2012 **Western Maryland Fruit School.** Brown marmorated stink bug: one year later. Keedysville, MD.
- 2012 **Mid-Atlantic Fruit and Vegetable Conference.** Developing monitoring tools for the brown marmorated stink bug. Hershey, PA.
- 2011 **Washington State Horticultural Society.** Brown marmorated stink bug: what we have learned so far. Wenatchee, WA.
- 2011 **New England Fruit and Vegetable Conference.** Developing monitoring and management tools for the brown marmorated stink bug. Manchester, NH.
- 2011 **Indiana Certified Crop Advisors.** Developing monitoring and management tools for the brown marmorated stink bug. Indianapolis. IN.
- 2011 **Cornell University, Department of Entomology.** Developing monitoring and management tools for the brown marmorated stink bug. Geneva, NY.
- 2011 **Northeastern IPM Center, Advisory Council.** Developing monitoring and management tools for the brown marmorated stink bug. Linthicum, MD.
- 2011 **Annual Gypsy Moth Review Meetings.** Developing monitoring and management tools for the brown marmorated stink bug. Madison, WI.
- 2011 **EPA Region 3, Mid-Atlantic Technical Conference.** Developing monitoring and management tools for the brown marmorated stink bug. Canaan, WV.
- 2011 **Purdue University.** Departmental Seminar. Developing monitoring and management tools for the brown marmorated stink bug. West Lafayette, IN.

- 2011 **USApple Association.** Outlook Conference. Developing Monitoring Tools and Management Strategies for the Invasive Brown Marmorated Stink Bug. Chicago, IL
- 2011 **American Society for Enology and Viticulture.** Eastern Section. Emergence of Brown Marmorated Stink Bug as a Serious as a Serious Threat to Agriculture. Baltimore, MD.
- 2011 **Vegetable IPM Meeting.** Lincoln University. Emergence of Brown Marmorated Stink Bug as a Serious as a Serious Threat to Agriculture. Lincoln, MO.
- 2011 **EPA/NAFTA Technical Working Group. Key note address.** Impact of Brown Marmorated Stink Bug in US Agriculture. Crystal City, VA.
- 2011 **Pioneer Dupont Strategic Planning Meeting.** Emergence of Brown Marmorated Stink Bug as a Serious as a Serious Threat to Agriculture. Shepherdstown, WV.
- 2011 **Town Hall Meeting sponsored by Congressman Roscoe Bartlett (MD).** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Agriculture. Emmitsburg, MD.
- 2011 **Town Hall Meeting sponsored by Congressman Frank Wolf (VA).** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Agriculture. Purcellville, VA.
- 2011 **Boonsboro Green Fest.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Agriculture. Boonsboro, MD.
- 2011 **Eco-Apple/Red Tomato Annual Meeting.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Agriculture. Hudson Valley, NY.
- 2011 **APHIS PPQ. Webinar.** Emergence of Brown Marmorated Stink Bug as a Serious as a Serious Threat to Agriculture. Leskey, T.C. and M. Raupp.
- 2011 **Sustainable Tree Fruit Production Meeting. Rutgers University.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Tree Fruit in the Mid-Atlantic. Clayton, NJ.
- 2011 **Potomac Valley Audubon Society and Morgan County Center for the Arts.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Tree Fruit in the Mid-Atlantic. Berkeley Springs, WV
- 2011 **University of Maryland Fruit School.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Tree Fruit in the Mid-Atlantic. Keedysville, MD.

- 2011 **Hudson Valley Commercial Fruit Growers School, Cornell University.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Tree Fruit in the Mid-Atlantic. Kingston, NY.
- 2011 **National Conservation Training Center, USFW and Potomac Valley Audubon Society.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Tree Fruit in the Mid-Atlantic. Shepherdstown, WV.
- 2011 **North American Strawberry Growers Association.** Webinar. Emergence of Brown Marmorated Stink Bug as a Serious Pest of Tree Fruit in the Mid-Atlantic.
- 2011 **Upper Hudson-Champlain Commercial Tree Fruit School, Cornell University.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Tree Fruit in the Mid-Atlantic. Lake George, NY
- 2011 **Virginia State Horticultural Society Meeting.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Agriculture in the Mid-Atlantic. Staunton, VA
- 2011 **California Specialty Crops.** Webinar. Emergence of Brown Marmorated Stink Bug as a Serious Pest of Specialty Crops in the Mid-Atlantic.
- 2011 **Michigan Fruit IPM School, Michigan State University.** Progress Toward Behaviorally Based Management of Plum Curculio. Tustin, MI
- 2011 **Michigan Fruit IPM School, Michigan State University.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Agriculture in the Mid-Atlantic. Tustin, MI
- 2011 **North American Raspberry and Blackberry Association, SE Regional Fruit and Vegetable Conference.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Agriculture in the Mid-Atlantic. Savannah, GA
- 2010 **University of California Davis, Foundation Plant Services.** Annual Meeting. Emergence of Brown Marmorated Stink Bug as a Serious Pest of Agriculture in the Mid-Atlantic. Davis, CA.
- 2010 **ARS Grape Research Workshop.** Emergence of Brown Marmorated Stink Bug as a Serious Pest of Agriculture in the Mid-Atlantic. Charlottesville, VA.
- 2010 **University of Maryland.** Department of Entomology. Emergence of Brown Marmorated Stink Bug as a Serious Pest of Tree Fruit in the Mid-Atlantic. College Park, MD.

- 2010 **Virginia Tech.** Department of Entomology. Emergence of Brown Marmorated Stink Bug as a Serious Pest of Tree Fruit in the Mid-Atlantic. Blacksburg, VA.
- 2010 **New Jersey Fruit and Vegetable Conference.** Monitoring and management tools for the plum curculio. Atlantic City, NJ.
- 2009 **In-Depth Grower Meetings.** University of New Hampshire, New Hampshire Cooperative Extension. Updates on the trap tree strategy for the plum curculio Hollis, NH
- 2009 **Cornell University (Ithaca Campus).** How Field Observations Can Lead to Potential Management Solutions: Development of Behaviorally-Based Management Strategies for the Dogwood Borer, *Synanthedon scitula* (Harris), in Apple Orchards. Department of Entomology, Ithaca, NY.
- 2009 **Cornell University (Geneva Campus).** Identifying Promising Behavioral Stimuli for the Plum Curculio, *Conotrachelus nenuphar* (Herbst), an Important Pest of Tree Fruit in Eastern North America. Department of Entomology, Geneva, NY.
- 2008 **In-Depth Grower Meetings.** University of New Hampshire, New Hampshire Cooperative Extension. Development of the trap tree strategy for the plum curculio. Concord, NH
- 2007 **In-Depth Grower Meetings.** Agriculture Research and Extension Center, Virginia Tech. Advances in monitoring and management of stink bugs in mid-Atlantic fruit orchards. Winchester, VA
- 2007 **Entomological Society of America, Eastern Branch Meeting.** New Approaches for identification and application of attractants for the plum curculio. Harrisburg, PA
- 2007 **New Hampshire Fruit Growers Association Annual Meeting.** Odor-baited trap trees: a potential management tool for the plum curculio. Concord, NH.
- 2007 **New Hampshire Fruit Growers Association Annual Meeting.** Monitoring and management of dogwood borer in eastern apple orchards. Concord, NH.
- 2007 **University of Massachusetts Winter Fruit Meeting.** Odor-baited trap trees: a potential management tool for the plum curculio. Amherst, MA
- 2007 **University of Massachusetts Winter Fruit Meeting.** Toward development of effective attractants for the plum curculio. Amherst, MA.
- 2007 **Mid-Atlantic Fruit and Vegetable Convention.** Advances in monitoring and management of stink bugs in mid-Atlantic fruit orchards. Hershey, PA

- 2007 **Michigan State University Tree Fruit IPM School.** Toward development of effective attractants for the plum curculio. Hickory Corners, MI.
- 2007 **Michigan State University Tree Fruit IPM School.** Odor-baited trap trees: a potential management tool for the plum curculio. Hickory Corners, MI.
- 2007 **West Virginia University Winter Tree Fruit School.** Advances in monitoring and management of stink bugs in mid-Atlantic fruit orchards. Kearneysville, WV.
- 2007 **West Virginia University Winter Tree Fruit School.** Advances in monitoring and management of stink bugs in mid-Atlantic fruit orchards. Kearneysville, WV.
- 2006 **IRDA, Research and Development Institute for the Agri-Environment.** Annual Conference on Research and Innovative Technology for the Protection of Pome Fruit. Behaviorally based monitoring and management of the dogwood borer. Quebec, Canada.
- 2006 **IRDA, Research and Development Institute for the Agri-Environment.** Annual Conference on Research and Innovative Technology for the Protection of Pome Fruit. Toward development of a behaviorally-based monitoring strategy for the plum curculio. Quebec, Canada.
- 2006 **Mid-Atlantic Fruit and Vegetable Convention.** Behaviorally based monitoring and management of the dogwood borer. Hershey, PA
- 2005 **Yakima Agriculture Research Laboratory, USDA-ARS.** Developing a behaviorally based monitoring system for the plum curculio. Wapato, WA.
- 2005 **The Pennsylvania State University.** Toward development of behaviorally based monitoring and management of dogwood borer in apple orchards. University Park, PA.
- 2004 **International Congress of Entomology.** Key Components of behaviorally based monitoring and management of flying and walking tree fruit pests. As part of a symposium entitled Insect behavior for future IPM systems. Brisbane, Australia.
- 2004 **Shenandoah Garden Club.** Behaviorally based monitoring and management strategies for tree fruit pests. Shepherdstown, WV.
- 2004 **West Virginia University Winter Tree Fruit School.** Progress Toward Behaviorally-Based Monitoring Strategies for Dogwood Borer and Stink Bugs. Kearneysville, WV.
- 2004 **West Virginia University Winter Tree Fruit School.** West Virginia University. Progress Toward Behaviorally Based Monitoring Strategies for Dogwood Borer and Stink Bugs. Romney, WV.

- 2003 **Virginia Grown Conference and Trade Show.** Virginia/West Virginia State Horticultural Societies. Behaviorally based strategies for monitoring and management of plum curculio. Richmond, VA.
- 2002 **Rutgers University.** Department of Entomology. Behaviorally Based Monitoring Strategies for Plum Curculio. New Brunswick, NJ.
- 2002 **In-Depth Grower Meetings.** Agriculture Research and Extension Center, Virginia Tech. New Developments in Plum Curculio Monitoring and Management. Winchester, VA.
- 2001 **Virginia Polytechnic Institute and State University.** Departmental Seminar. Identification of attractive cues used in host finding: behaviorally based monitoring and management for the plum curculio. Blacksburg, VA.
- 2001 **University of Maryland.** Department of Entomology. Identification of attractive cues used in host finding: behaviorally based monitoring and management for the plum curculio. College Park, MD.
- 2001 **Entomological Society of America, Eastern Branch.** Olfactory and visual cues guiding plum curculios to host plants. Harrisburg, PA.
- 2000 **Entomological Society of America.** Leskey, T.C. and R. J. Prokopy. Visual ecology of the plum curculio. Montreal, Quebec. Canada.

Contributed Presentations (**If multiple authors, indicates individual who made the presentation*)

- 2016 **Paper Presentation.** International Congress of Entomology. Behaviorally based management of brown marmorated stink bug. **T.C. Leskey***, B.D. Short, W.R. Morrison, A.L. Nielsen, B. Blaauw, G. Krawczyk and J.C. Bergh. Orlando, FL.
- 2016 **Paper Presentation.** International Congress of Entomology. Using the latest generation of harmonic radar and microtags to track retention capacity of the invasive brown marmorated stink bug in vegetables and tree fruit augmented with semiochemicals. W.R. Morrison*, D-H. Lee, B. Colpitts, C. Vincent, G. Boiteau, and **T.C. Leskey.** Orlando, FL
- 2016 **Paper Presentation.** International Congress of Entomology. Foraging ecology of the invasive spotted wing drosophila in raspberry plantings. K.B. Rice* and **T.C. Leskey.** Orlando, FL.
- 2016 **Paper Presentation.** International Congress of Entomology. Influence of elevation on dispersal behavior of brown marmorated stink bug seeking

overwintering sites. J.P. Cullum*, J.C. Bergh, M.J. Raupp, P.M. Shrewsbury, P.D. Venugopal, H. Martinson and **T.C. Leskey**. Orlando, FL

2016 **Paper Presentation.** International Congress of Entomology. Ecology and behavior of brown marmorated stink bug at the interface between fruit orchards and woodlands in the mid-Atlantic, USA. C. Bergh*, A. Acebes-Doria, and **T.C. Leskey**. Orlando, FL

2016 **Poster Presentation.** International Congress of Entomology. Structure access and settling behavior of overwintering brown marmorated stink bugs (*Halyomorpha halys*). B. Chambers*, T.P. Kuhar, A. Pearce, **T.C. Leskey** and G. Reichard. Orlando, FL

2016 **Paper Presentation.** Eastern Branch of the Entomological Society of America. Unexpected and substantial predation and parasitism inflicted by native natural enemies of brown marmorated stink bug eggs. Morrison, III W.R.* C. Mathews, and **T.C. Leskey**. Philadelphia, PA.

2016 **Paper Presentation.** Eastern Branch of the Entomological Society of America. Evaluating an ‘attract and kill’ system for the invasive brown marmorated stink bug in commercial apple orchards. **Leskey, T.C.**, W.R. Morrison III, B.D. Short, A.L. Nielsen, B.R. Blaauw, J.C. Bergh, G. Krawczyk. Philadelphia, PA.

2016 **Paper Presentation.** Eastern Branch of the Entomological Society of America. Overwintering site selection for brown marmorated stink bug: results generated by citizen scientists. Hancock, T.J.*, D.-H. Lee, J.C. Bergh, W.R. Morrison III, and **T.C. Leskey**. Philadelphia, PA.

2016 **Paper Presentation.** Eastern Branch of the Entomological Society of America. Invasive spotted wing drosophila “picks” the low hanging fruit: wild infestation rates, mark-release-recapture, and field cage studies in raspberry. Rice, K.B.*, S.K. Jones, W.R. Morrison III, and **T.C. Leskey**. Philadelphia, PA.

2016 **Poster Presentation.** Entomological Society of America. Predation of the invasive brown marmorated stink bug (Hemiptera: Pentatomidae) by spiders associated with human dwellings. Poling, B.*, W.R. Morrison III, A. Bryant, N. Quinn, and **T.C. Leskey**. Minneapolis, MN.

2016 **Poster Presentation.** Mid-Atlantic Fruit and Vegetable Convention. Combining attractive flowers and odors in pull-pull plots to concentrate both brown marmorated stink bug and natural enemies for improved biological control. Morrison, III W.R.*, B. Blaauw, A. Nielsen, C. Mathews, **T.C. Leskey**. Hershey, PA.

- 2015 **Paper Presentation.** 91st Cumberland-Shenandoah Fruit Workers Conference. Hunting down the hunters: *H. halys* egg damage and natural enemies. Morrison, III W.R.*, C. Mathews, and **T.C. Leskey**. Winchester, VA.
- 2015 **Paper Presentation.** OREI Farm Field Day, Redbud Farm. Using pheromone-baited host plants to establish attract-and-kill sites for BMSB. Morrison, III W.R.* and **T. C. Leskey**. Inwood, WV.
- 2015 **Paper Presentation.** Entomological Society of America. The role of volatile and host stimuli in the foraging of *Halyomorpha halys*: attraction and retention of adults on tree fruit. Morrison, III W.R. and **T.C. Leskey**. Minneapolis, MN.
- 2015 **Paper Presentation.** Entomological Society of America. Brown marmorated stink bug predation by native natural enemies: A game of do-or-die in the laboratory and take-it-or-leave-it smorgasbord in organic vegetable production. Morrison, III W.R. and **T.C. Leskey**. Minneapolis, MN.
- 2015 **Paper Presentation.** New England, New York, and Canadian Fruit Pest Management Workshop. Biological control of *H. halys* from native natural enemies and increasing their efficacy through pull-pull plots. Morrison, W.R.*, B. Blaauw, A. Nielsen, C. Mathews, and **T.C. Leskey**. Burlington, VT.
- 2015 **Poster Presentation.** Ecological Society of America. CSI egg damage: Tracking down unexplained predation of brown marmorated stink bug egg masses by native natural enemies. Mathews, C., W.R. Morrison*, and **T.C Leskey**. Baltimore, MD.
- 2015 **Paper Presentation.** Ecological Society of America. Pushing the frontiers of applied ecological science with the use of harmonic radar and micro-tagged insects to address questions related to the management of invasive species. Morrison, W.R.*, C. Mathews, **T.C. Leskey**. Baltimore, MD.
- 2015 **Paper presentation.** Eastern Branch, Entomological Society of America. Influence of initial host diet on subsequent host choice of *Halyomorpha halys* (Hemiptera: Pentatomidae) nymphs. Angelita Acebes-Doria*, Tracy C. Leskey and J. Christopher Bergh. Rehoboth, DE.
- 2015 **Poster Presentation.** Eastern Branch, Entomological Society of America. Utilizing citizen science to identify characteristics important to overwintering site selection for brown marmorated stink bug, *Halyomorpha halys* (Stål). Hancock, T.J.*, D-H. Lee and **T.C. Leskey**, Rehoboth, Beach, DE.
- 2015 **Poster Presentation.** Eastern Branch, Entomological Society of America. Using harmonic radar to measure the retention capacity of trap crops for the invasive brown marmorated stink bug (Hemiptera: Pentatomidae) in organic

- pepper plantings. Morrison, W.R.*, C. Mathews and **T.C. Leskey**. Rehoboth Beach, DE.
- 2015 **Paper Presentation.** Eastern Branch, Entomological Society of America. Attracticidal spheres as a tool for management of spotted wing drosophila, *Drosophila suzukii* (Matsumura). Short, B.D.* and **T.C. Leskey**. Rehoboth Beach, DE.
- 2014 **Oral presentation.** 90th Cumberland-Shenandoah Fruit Workers Conference. Development of an attract-and-kill strategy for brown marmorated stink bug. Morrison III, W.R.* and **T.C. Leskey**. Winchester, VA.
- 2014 **Oral research presentation.** Bi-Annual Brown Marmorated Stink Bug Northeast IPM Working Group Meeting. Defending vegetables in organic production from the brown marmorated stink bug: Attraction and retention using trap crops. Morrison, III W.R. and **T.C. Leskey**. Winchester, VA.
- 2014 **Paper Presentation.** International Organization of Biological Control. Integrated Plant Protection in Fruit Crops Meeting. Developing pheromone-based monitoring and management tools for brown marmorated stink bug in tree fruit. Vienna, Austria.
- 2014 **Paper Presentation.** Entomological Society of America. Improving and refining the utility of pheromone traps for monitoring brown marmorated stink bug, *Halyomorpha halys* (Hemiptera: Pentatomidae). Gorzlaneyk, A.*, **T.C. Leskey** and J.C. Bergh. Portland. OR.
- 2014 **Paper Presentation.** Entomological Society of America. Seasonal movement patterns of *Halyomorpha halys* (Hemiptera: Pentatomidae) nymphs on wild and tree fruit hosts at the orchard-woodland interface. Acebes-Doria, A.*, **T.C. Leskey** and J.C. Bergh. Portland, OR.
- 2014 **Paper Presentation.** Entomological Society of America. Effect of orchard border habitat on *Halyomorpha halys* in pheromone traps and fruit injury. Bergh, J.C.*, **T.C. Leskey**, B.D. Short and J.P. Cullum. Portland, OR.
- 2014 **Poster Presentation.** Entomological Society of America. Aggregation pheromone of harlequin bug (Hemiptera: Pentatomidae): Field attractiveness of components to males, females, and nymphs. Weber, D.C., G.C. Walsh, M.M. Athanas, A.S. DiMeglio, **T.C. Leskey**, K.R. Chauhan and A. Khimian. Portland, OR.
- 2014 **Poster Presentation.** Entomological Society of America. Using harmonic radar to measure the retention capacity of trap crops for the invasive brown marmorated stink bug (Hemiptera: Pentatomidae) in organic pepper plantings. Morrison, W.R.*, C. Mathews, and **T.C. Leskey**. Portland, OR.

- 2014 **Paper Presentation.** Entomological Society of America. Fate of brown marmorated stink bug (*Halyomorpha halys*) egg masses exposed to common generalist predators in the laboratory and in organic vegetable plots. Mathews, C.*. W.R. Morrison, and **T.C. Leskey**. Portland, OR.
- 2014 **Poster Presentation.** Entomological Society of America. Testing the ‘trap bush’ concept to manage plum curculio in blueberries. Rodriguez-Saona, C.*, **T.C. Leskey** and A.L. Nielsen. Portland, OR.
- 2014 **Oral research and paper Presentation.** Entomological Society of America. Manipulating the behavior of the brown marmorated stink bug (Hemiptera: Pentatomidae) using pheromonal stimuli in the field: Attraction, retention and active space. Morrison, W.R.* and **T.C. Leskey**. Portland, OR.
- 2014 **Oral research and paper presentation.** New England, New York, and Canadian Fruit Pest Management Workshop. The behavioral basis for attract-and-kill of *H. halys* in apple orchards. Morrison, W.R.*, and **T.C. Leskey**. Burlington, VT.
- 2013 **Poster Presentation.** Entomological Society of America. Role of crop border and host patch size on retention of electronically tagged walking adult Colorado potato beetle. Boiteau, G., C. Vincent*, **T.C. Leskey** and B. Colpitts. Austin, TX.
- 2013 **Paper Presentation.** Entomological Society of America. Confirmation of brown marmorated stink bug overwintering in natural landscapes using human and canine surveyors. Lee, D-H.*, **T.C. Leskey**, L. Beckett, J. Anderson and J. Daugherty. Austin, TX.
- 2013 **Paper Presentation.** Entomological Society of America. Effects of single and mixed diets of selected fruit trees and wild hosts on *Halyomorpha halys* (Hemiptera: Pentatomidae) development and survival. Acebes-Doria, A.*, **T.C. Leskey** and J.C. Bergh. Austin, TX.
- 2013 **Poster Presentation.** Entomological Society of America. Seasonal and spatial dynamics of plum curculio (Coleoptera: Curculionidae) adults in highbush blueberries. Tewari, S.*, D. Polk, **T.C. Leskey**, and C. Rodriguez-Saona. Austin, TX.
- 2013 **Paper Presentation.** Entomological Society of America. Dispenser type and trap design affect catch effectiveness of dogwood borer sex pheromone. Zhang, A.* and **T.C. Leskey**. Austin, TX.
- 2013 **Paper Presentation.** Entomological Society of America. Visual ecology of spotted wing drosophila. Short, B.D.* and **T.C. Leskey**. Austin, TX.

- 2013 **Paper Presentation.** Entomological Society of America. Brown marmorated stink bug emergence from artificial overwintering shelters and response to pheromone traps Bergh, J.C.* and **T.C. Leskey**. Austin, TX.
- 2013 **Poster Presentation.** Entomological Society of America. Evaluation of flight capacity of foraging and overwintering brown marmorated stink bug using flight mill studies. Lee, D-H.* and **T.C. Leskey**. Austin, TX.
- 2012 **Paper Presentation.** Entomological Society of America Injury to peaches and apples from brown marmorated stink bug following discrete exposure periods during the growing season. Joseph, S.V,* B.D. Short, **T.C. Leskey** and J.C. Bergh. Knoxville, TN.
- 2013 **Paper Presentation.** Eastern Branch of the Entomological Society of America. Dispersal capacity and behavior of the brown marmorated stink bug. Lee, D-H.*, S.E. Wright, C. Scorza and **T.C. Leskey**. Lancaster, PA. .
- 2012 **Paper Presentation.** Entomological Society of America Defining risk posed by *Halyomorpha halys* populations overwintering in natural landscapes. D-H. Lee, J.P. Cullum, S.A. Wiles, S.E. Wright and **T.C. Leskey**. Knoxville, TN.
- 2012 **Paper Presentation.** Relative suitability of select fruit trees and wild hosts for development of brown marmorated stink bug. Acebes, A.*, **T.C. Leskey** and J.C.Bergh. Knoxville, TN.
2012. **Paper Presentation.** Entomological Society of America. Distribution of brown marmorated stink bug injury within mid-Atlantic apple orchards. J.C. Bergh*, S.V. Joseph, **T.C. Leskey**, D. Polk, G. Krawczyk, B. Butler and S.E. Wright. Knoxville, TN.
- 2012 **Paper Presentation.** Entomological Society of America. Season-long patterns of attraction of brown marmorated stink bug to pheromone lures in orchard agroecosystems. **Leskey, T.C.**, S.E. Wright, A. Khimian, A. Zhang, and D.C. Weber. Knoxville, TN.
- 2012 **Paper Presentation.** Entomological Society of America Assessment of attracticidal spheres as a tool for spotted wing drosophila. B.D. Short* and **T.C. Leskey**. Knoxville, TN
- 2012 **Paper Presentation.** Entomological Society of America. Characterization of overwintering sites of *Halyomorpha halys* in the natural landscape. Lee, D-H*, S.E Wright and **T.C. Leskey**. Knoxville, TN.
- 2012 **Paper Presentation.** Entomological Society of America. Steps toward developing management programs for brown marmorated stink bug in the mid-Atlantic. Nielsen, A.L* and **T.C. Leskey**. Knoxville, TN.

- 2012 **Paper Presentation.** Eastern Branch, Entomological Society of America. Important Considerations for Development of Monitoring Tools for Brown Marmorated Stink bug. Hartford. CT.
- 2011 **Paper Presentation.** Entomological Society of America. Integrating olfactory and visual stimuli as attractants for BMSB. **Leskey, T.C.** and S.E. Wright. Reno, NV.
- 2011 **Poster Presentation.** Entomological Society of America. Behaviorally based evaluations of insecticides for BMSB: mobility, mortality and recover. Wright, S.E.* and **T.C. Leskey.** Reno, NV.
- 2011 **Paper Presentation.** Entomological Society of America. Impact of the BMSB in vineyards. **Leskey, T.C.,** J. Fiola and D.G. Pfeiffer. Reno, NV.
- 2011 **Entomological Society of America.** Incidence of BMSB feeding injury in eastern tree fruit: temporal effects, Joseph, S.V.*, J.C. Bergh, and **T.C. Leskey.** Reno, NV.
- 2011 **Paper Presentation.** Development of behaviorally based monitoring tools and management strategies for the brown marmorated stink bug. Eastern Branch, Entomological Society of America. Harrisburg, PA.
- 2010 **Paper Presentation.** Improving methods for chemical ecology studies of the plum curculio. **T.C. Leskey,** S.E. Wright, V. Hock, G. Chouinard, D. Cormier, and A. Zhang. Entomological Society of America. San Diego, CA.
- 2010 **Paper Presentation.** Entomological Society of America. Detection and recovery of electronically tagged insects on agricultural host plants. G. Boiteau, C. Vincent*, F. Meloche, **T.C. Leskey,** B. Colpitts. Individual who made the presentation. San Diego, CA.
- 2010 **Paper Presentation.** Trap-based monitoring of brown marmorated stink bug. S.E. Wright*, B.D. Short, and **T.C. Leskey.** Entomological Society of America. San Diego, CA.
- 2010 **Poster Presentation.** Entomological Society of America. Influence of incidental contact with insecticides and fungicides on brown marmorated stink bug mobility and mortality. S.E. Wright* and **T.C. Leskey.**
- 2010 **Poster Presentation.** Entomological Society of America Influence of incidental contact with insecticides and fungicides on plum curculio mobility and mortality. **T.C Leskey,** S.E. Wright, J. Saguez, and C. Vincent. San Diego, CA.

- 2010 **Paper Presentation.** 86th Annual Cumberland-Shenandoah Fruit Workers Conference. The emergence of brown marmorated stink bug as a severe pest of tree fruit in the mid-Atlantic. **T.C. Leskey**, S.E. Wright, B.D. Short, T.J. Hancock and J.P. Cullum. Winchester, VA.
- 2010 **Paper Presentation.** 86th Annual Cumberland-Shenandoah Fruit Workers Conference. Toward development of an effective monitoring trap for brown marmorated stink bug. B.D. Short*, **T.C. Leskey**, S.E. Wright, T.J. Hancock and J.P. Cullum. . Winchester, VA.
- 2010 **Paper Presentation.** 86th Annual Cumberland-Shenandoah Fruit Workers Conference. Effects of insecticide exposure on brown marmorated stink bugs: mobility, mortality, and recovery. S.E. Wright*, **T.C. Leskey**, B.D. Short, T.J. Hancock and J.P. Cullum, Winchester, VA.
- 2009 **Paper Presentation.** Entomological Society of America. Developing a harmonic radar system to track plum curculio adults. C. Vincent*, G. Boiteau, F. Meloche, and **T.C. Leskey**. Indianapolis, IN.
- 2009 **Paper Presentation.** Entomological Society of America. Scents and sensibility: chemical ecology of the plum curculio. **TC Leskey**, SE Wright, J. Pinero and A. Zhang. Indianapolis, IN.
- 2009 **Paper Presentation.** Entomological Society of America. Response of plum curculio to artificial volatiles and conspecifics. V. Hock*, G. Chouinard, D. Cormier, **T.C. Leskey** and A. Zhang.. . Indianapolis, IN.
- 2009 **Paper Presentation.** Entomological Society of America. Unraveling the semiochemical mediated behavior of female dogwood borer.. D. L. Frank*, A. Zhang, **T.C. Leskey**, and J.C. Bergh. . Indianapolis, IN.
- 2009 **Paper Presentation.** Entomological Society of America. Enhancing lethality of attracticidal spheres for apple maggot fly. S.E. Wright*, **T.C. Leskey** and W.H. Reissig. Indianapolis, IN.
- 2009 **Paper Presentation.** 85th Annual Cumberland-Shenandoah Fruit Worker Meetings. Impact of insecticides and fungicides on plum curculio movement. **Leskey, T.C.**, S.E. Wright, and C. Vincent. Winchester, VA.
- 2009 **Paper Presentation.** 85th Annual Cumberland-Shenandoah Fruit Worker Meetings. Trapping the brown marmorated stink bug. Brown, M., B. Short*, **T.C. Leskey**, S.E. Wright, J. Aldrich, and A. Khrimian.. Winchester, VA. .
- 2009 **Paper Presentation.** 85th Annual Cumberland-Shenandoah Fruit Worker Meetings. Maximizing efficiency of trap performance for control of apple maggot fly. Wright, S.E.* and **T.C. Leskey**. Winchester, VA. .

- 2008 **Paper Presentation.** Entomological Society of America. Behavioral and electrophysiological activity of the plum curculio associated with four host fruit tree species. **Leskey, T.C.**, S.E. Wright, and A. Zhang. Reno, NV.
- 2008 **Paper Presentation.** Entomological Society of America. Multiple stimulus contributions to likelihood of trap finding and acceptance by apple maggot fly. *Wright, S.E. and **T.C. Leskey.** Reno, NV.
- 2008 **Paper Presentation.** Entomological Society of America. Effectiveness of flues used for harmonic radar attachment and impact on survival and behavior of three insect pests. Boiteau, G., F. Meloche, *C. Vincent, and **T.C. Leskey.** Reno, NV.
- 2008 **Poster Presentation.** Entomological Society of America. A continuous rearing method for the dogwood borer, *Synanthedon scitula* (Lepidoptera: Sesiidae). *Frank, D.L, **T.C. Leskey,** and J.C. Bergh. Reno, NV.
- 2008 **Paper Presentation.** 84th Annual Cumberland-Shenandoah Fruit Worker Meetings. Behavioral and Electrophysiological Activity of Plum Curculio Associated with Four Host Fruit Trees. **Leskey, T.C.**, S.E. Wright, and A. Zhang. Winchester, VA.
- 2008 **Paper Presentation.** 84th Annual Cumberland-Shenandoah Fruit Worker Meetings. Contribution of Artificial Stimuli to control Potential of Apple Maggot Traps Wright, S.E.* and **T.C. Leskey.** Winchester, VA.
- 2008 **Paper Presentation.** Integrated Fruit Production, IOBC. Pheromone-Based Management Strategies for the Dogwood Borer, *Synanthedon scitula* (Harris) (Lepidoptera: Sesiidae). **Leskey, T.C.**, J.C. Bergh, J.F. Walgenbach, and A. Zhang. Avignon, FR.
- 2008 **Poster Presentation.** Integrated Fruit Production, IOBC. Using Insect Behavior to Facilitate Precision Agriculture: Odor-Baited Trap Trees For Management of the Plum Curculio, *Conotrachelus nenuphar* (Herbst) (Coleoptera: Curculionidae). **Leskey, T.C.**, S.E. Wright, J.A. Piñero, and R.J. Prokopy. Avignon, FR.
- 2007 **Paper Presentation.** Entomological Society of America. An electroantennogram technique for the plum curculio. **Leskey, T.C.**, and A. Zhang. San Diego, CA.
- 2007 **Paper Presentation.** Entomological Society of America. Electrophysiological response of the dogwood borer, *Synanthedon scitula* (Lepidoptera: Sesiidae), to apple tissue volatiles. Frank, D.L*, A. Zhang, **T.C. Leskey,** J.C. Bergh. San Diego, CA.

- 2007 **Paper Presentation.** 83rd Annual Cumberland-Shenandoah Fruit Worker Meetings. Disruption of dogwood borer mate finding using a behavioral antagonist. **Leskey, T.C.**, Bergh, J.C. Bergh, J.F. Walgenbach, and A. Zhang. Winchester, VA.
- 2007 **Paper Presentation.** 83rd Annual Cumberland-Shenandoah Fruit Worker Meetings. Optimizing pheromone trapping for dogwood borer. Bergh, J.C*, **T.C. Leskey**, and A. Zhang. Winchester, VA.
- 2006 **Paper Presentation.** Entomological Society of America. Baited trap trees: a potential management tool for the plum curculio. **Leskey, T.C.**, S. Wood, and J.C. Piñero. Indianapolis, IN.
- 2006 **Paper Presentation.** Entomological Society of America. Behavior of mated female dogwood borer in apple planted on size-controlling rootstock. Frank, D.L*, J.C. Bergh, and **T.C. Leskey**. Indianapolis, IN.
- 2006 **Poster Presentation.** 15th Annual Ornamental Workshop. A novel pheromone lure for monitoring dogwood borer season flight activity and relative abundance in eastern U.S. landscapes, apple orchards, and woodlands. Bergh, J.C*, W. Klingemann, **T.C. Leskey**, A. Zhang, and J. Walgenbach. Hendersonville, NC.
- 2006 **Paper Presentation.** 82nd Annual Cumberland-Shenandoah Fruit Worker Meetings. Response of *Euschistus servus* (Say), the brown stink bug (Hemiptera: Pentatomidae) to the aggregation pheromone, methyl (2E,4Z)-decadienone. **T.C. Leskey**, and H.W. Hogmire. Winchester, VA.
- 2006 **Paper Presentation.** 82nd Annual Cumberland-Shenandoah Fruit Worker Meetings. Toward development of an attractant for female dogwood borer. Frank, D*, J.C. Bergh, **T.C. Leskey**, and A. Zhang. Winchester, VA.
- 2006 **Paper Presentation.** 82nd Annual Cumberland-Shenandoah Fruit Worker Meetings. Fruit susceptibility of selected *Malus* germplasm to attract from fruit feeding pests. Myers C.*, **T.C. Leskey**, and W.H. Reissig. Winchester, VA.
- 2006 **Paper Presentation.** 82nd Annual Cumberland-Shenandoah Fruit Worker Meetings. Refinement in a trapping system for monitoring stink bugs in orchards. Hogmire, H.W.* and **T.C. Leskey**. Winchester, VA.
- 2006 **Paper Presentation.** 82nd Annual Cumberland-Shenandoah Fruit Worker Meetings. Two years of mass-trapping male dogwood borer in commercial apple orchards, in VA, WV, and NC. Bergh, J.C*, **T.C. Leskey**, J.F. Walgenbach, and A. Zhang. Winchester, VA.

- 2005 **Paper Presentation.** Entomological Society of America. On managing the plum curculio: the last and unfinished challenge of Ron Prokopy. Vincent, C., G. Chouinard, and **T.C. Leskey**. Fort Lauderdale, FL.
- 2005 **Paper Presentation.** Entomological Society of America. The life and work of Ronald J. Prokopy. **T.C. Leskey**. Fort Lauderdale, FL.
- 2005 **Poster Presentation.** Entomological Society of America. Seasonal flight activity and relative abundance of dogwood borer (Lepidoptera: Sesiidae) in apple orchards, urban landscapes and woodlands. Bergh, J.C.*, **T.C. Leskey**, J. Walgenbach, W. Klingeman, D. Kain, and A. Zhang. Fort Lauderdale, FL.
- 2005 **Paper Presentation.** Entomological Society of America. Chemical composition and biological activity of the sex pheromone of dogwood borer. Zhang, A*, **T. Leskey**, J.C. Bergh, and J. Walgenbach. Fort Lauderdale, FL.
- 2005 **Paper Presentation.** 81st Annual Cumberland-Shenandoah Fruit Worker Meetings. Searching for insect resistance traits in *Malus* germplasm: preliminary observations. Meyers, C.*, H. Reissig, and **T.C. Leskey**. Winchester, VA.
- 2005 **Paper Presentation.** 81st Annual Cumberland-Shenandoah Fruit Worker Meetings. Capture of dogwood borer in pheromone traps deployed in managed and native habitats in five eastern states. Bergh, J.C.*, **T.C. Leskey**, J. Walgenbach, W. Klingeman, D. Kain, and A. Zhang. Winchester, VA.
- 2005 **Paper Presentation.** 81st Annual Cumberland-Shenandoah Fruit Worker Meetings. Impact of temperature on capture of plum curculio in odor-baited traps. Winchester, VA.
- 2005 **Paper Presentation.** International Society of Chemical Ecology. Female sex pheromone of the dogwood borer. Zhang, A.*, **T.C. Leskey**, J.C. Bergh, and J. W. Walgenbach. Washington, DC.
- 2005 **Paper Presentation.** Entomological Society of America, Eastern Branch Meeting. Attractants for the plum curculio: isolating key olfactory cues. **T.C. Leskey**. Harrisburg, PA.
- 2005 **Paper Presentation.** Entomological Society of America, Eastern Branch Meeting. The ying and yang of sesiid sex pheromones: can we use behavioral antagonists as management tools? Bergh, J.C.* and **T.C. Leskey**. Harrisburg, PA. .
- 2005 **Paper Presentation.** Entomological Society of America, Eastern Branch Meeting. Progress in trap development for monitoring stink bugs in mid-Atlantic apple and peach orchards. Hogmire, H.W.* and **T.C. Leskey**. Harrisburg, PA.

- 2004 **Paper Presentation.** 66th Annual Meeting of the New England, New York, Canadian Fruit Pest Management Workshop. Dogwood borer: Cultural factors promoting infestation in apple orchards and new pheromone blends. **Leskey, T.C.**, J.C. Bergh, A. Zhang, and J. Walgenbach. 2004. Oct. 26-27. Bishop Booth Conference Center, Burlington, Vermont.
- 2003 **Paper Presentation.** Entomological Society of America, Annual Meeting. Mating behavior of the dogwood borer: rearing methods and potential control options. **Leskey, T.C.** and J.C. Bergh. Cincinnati, OH.
- 2003 **Paper Presentation.** Entomological Society of America, Annual Meeting Refinement of the pheromone-based monitoring system for dogwood borer, *Synanthedon scitula*. J.Bergh, J.C.*, **T.C. Leskey**, A. Zhang, and J. F. Walgenbach. Cincinnati, OH.
- 2003 **Paper Presentation.** Entomological Society of America, Annual Meeting Effect of pheromone trap elevation on capture of dogwood borer, *Synanthedon scitula* Harris, in apple orchards. Sousa, J.M.*, J.C. Bergh, and **T.C. Leskey**. Cincinnati, OH.
- 2003 **Paper Presentation.** 79th Annual Cumberland Shenandoah Fruit Worker Meetings. Assessing individual components of a monitoring system for plum curculio. Winchester, VA.
- 2003 **Paper Presentation.** 79th Annual Cumberland Shenandoah Fruit Worker Meetings. Stink bug response to five trap types in apple and peach orchards. Hogmire, H.W.* and **T.C. Leskey**. Winchester VA.
- 2003 **Paper Presentation.** Entomological Society of America, Eastern Branch Meeting. Mating behavior of the dogwood borer: implications for rearing. **Leskey, T.C.** and J. C Bergh. Harrisburg, PA.
- 2003 **Paper Presentation.** Entomological Society of America, Eastern Branch Meeting. Behavioral Manipulation as the basis for future management strategies for the dogwood borer. Bergh, J.C. * and **T.C. Leskey**. Harrisburg, PA. *
- 2003 **Poster Presentation.** Entomological Society of America, Eastern Branch Meeting. Trap evaluation for monitoring stink bugs in apple and peach orchards. Hogmire, H.W.* and **T.C. Leskey**. Harrisburg, PA.
- 2003 **Paper Presentation.** Entomological Society of America, Eastern Branch Meeting. Possible suppression of potato leafhopper feeding by Apogee: implications for fire blight control on apple. Leahy, K.P.*, D. W. Greene, W.R. Auto, J. N. Norelli and **T.C. Leskey**. Harrisburg, PA.

- 2002 **Paper Presentation.** 78th Annual Cumberland Shenandoah Fruit Worker Meetings. Comparison of two trap types for stink bug monitoring in apples and peaches. Hogmire, H.*, **T.C. Leskey** and S. E. Wright. Winchester, VA.
- 2002 **Paper Presentation.** 78th Annual Cumberland Shenandoah Fruit Worker Meetings. Monitoring plum curculio in apple and peach orchards in the mid-Atlantic. **Leskey, T.C.** and S. E. Wright Winchester, VA.
- 2002 **Paper Presentation.** 78th Annual Cumberland Shenandoah Fruit Worker Meetings. Refining the pheromone-based monitoring system for dogwood borer. Bergh, J.C.* and **T.C. Leskey**. Winchester, VA.
- 2002 **Paper Presentation.** Entomological Society of America, Annual Meeting. Life History of Dogwood Borer in Apple. Bergh, J.C *, and **T.C. Leskey**. Ft. Lauderdale, FL
- 2002 **Paper Presentation.** Entomological Society of America, Annual Meeting, Initiation of Dogwood Borer Infestation in Apple Orchards. **Leskey, T.C.** and J. C. Bergh. Ft. Lauderdale, FL.
- 2002 **Paper Presentation.** Entomological Society of America, Eastern Branch Meeting. Preliminary Evidence for bivoltinism for dogwood borer in apple in the mid-Atlantic region. Bergh, J.C *, **T.C. Leskey** and S. E. Wright. Ocean City, MD.
- 2001 **Paper Presentation.** Entomological Society of America, Annual Meeting. Influence of olfactory and visual competition on plum curculio responses to traps baited with synthetic fruit volatiles and pheromone. San Diego, CA.
- 2001 **Poster Presentation.** Entomological Society of America, Annual Meeting. Seasonal phenology of the dogwood borer in Virginia and West Virginia, Bergh, J.C *, **T.C. Leskey** and S. E. Wright. San Diego, CA.
- 2001 **Paper Presentation.** 77th Annual Cumberland Shenandoah Fruit Worker Meetings. Influence of competition from host trees on plum curculio responses to baited traps. Winchester VA.
- 2001 **Paper Presentation.** 77th Annual Cumberland Shenandoah Fruit Worker Meetings. Rearing methods for the dogwood borer. **Leskey, T.C.** and J.C. Bergh. Winchester VA.
- 2001 **Paper Presentation.** 77th Annual Cumberland Shenandoah Fruit Worker Meetings. Dogwood borer field studies: preliminary data on seasonal phenology, monitoring and voltinism in Virginia and West Virginia. Bergh, J.C.* and **T.C. Leskey**. Winchester VA.

- 1999 **Departmental Seminar.** Department of Entomology, University of Massachusetts at Amherst. Olfactory and visual cues guiding plum curculios to host plants. Amherst, MA.
- 1999 **Paper Presentation.** Entomological Society of America, Annual Meeting. **Leskey, T.C** and R.J. Prokopy. Fruit odors are more attractive than conspecific odors to adult plum curculios. Atlanta, GA.
- 1998 **Paper Presentation.** University of Massachusetts Graduate Research Symposium, College of Food and Natural Resources **Leskey, T.C,** R.J. Prokopy and P.L. Phelan. Odor attractants and visual cues important to the plum curculio. Amherst, MA.
- 1998 **Paper Presentation.** Entomological Society of America, Annual Meeting. **Leskey, T.C,** R.J. Prokopy and P.L. Phelan. Odor attractants and visual cues important to the plum curculio. Las Vegas, NV.
- 1997 **Paper Presentation.** Entomological Society of America, Annual Meeting. **Leskey, T.C.** and R.J. Prokopy. Attraction of plum curculio adults to host fruit and conspecific odors. Nashville, TN.
- 1996 **Paper Presentation.** Entomological Society of America, Annual Meeting. **Leskey, T.C.** and R.J. Prokopy. Attraction of plum curculio adults to host plant extracts. Louisville, KY.
- 1995 **Departmental Seminar.** Interdisciplinary Degree Program in Ecology, The Pennsylvania State University. Effects of flowering of sugar maple on reproduction of pear thrips. University Park, PA.
- 1994 **Paper Presentation.** Entomological Society of America, Annual Meeting. **Leskey, T.C.,** D. A. J. Teulon and E. A. Cameron*. Effects of *Acer saccharum* Marsh pollen and temperature on fecundity of *Taeniothrips inconsequens* (Uzel). Dallas, TX.
- 1994 **Grant Proposal Presentation.** Pennsylvania Department of Agriculture. Exploration for, Collection and Development of Parasites for Control of Pear Thrips Population. For Non-Animal Health Related Agriculture Research Programs. Harrisburg, PA.
- 1994 **Poster Presentation.** The Pennsylvania State Graduate Student Research Exhibition. **Leskey, T.C.,** D.A.J. Teulon and E.A. Cameron. Position and Abundance of *Taeniothrips inconsequens* (Uzel) eggs in Flowering and Vegetative Buds of *Acer saccharum* Marsh. University Park, PA.
- 1993 **Poster Presentation.** International Conference on Thysanoptera. **Leskey, T.C.,** D.A.J. Teulon and E.A. Cameron. Position and Abundance of *Taeniothrips*

inconsequens (Uzel) eggs in Flowering and Vegetative Buds of *Acer saccharum* Marsh. Burlington, VT.

Meetings and Symposiums Organized

- 2016 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations were given by speakers on recent research findings. 61 in attendance. December 2016. Winchester, VA.
- 2016 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations were given by speakers on new research projects, regional updates, and nuisance problems caused by BMSB. 35 in attendance. December 2016. New Brunswick, NJ
- 2015 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations were given by speakers on nuisance problems caused by BMSB and recent advances in biological control. 61 in attendance. December 2015. Winchester, VA.
- 2015 **BMSB SCRI Stakeholder Advisory Panel Meeting.** Progress reports for each objective was presented to the members. Presentations given by speakers. in attendance. December 2015. Kearneysville, WV.
- 2015 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations were given by 20 speakers on nuisance problems caused by BMSB and recent advances in biological control. 77 in attendance. June 2015. College Park, MD
- 2014 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations were given by 21 speakers on rearing protocols and diapause studies, rearing BMSB in Korea, Beltsville, and Rutgers and New Jersey rearing which included colony maintenance of the BMSB, Italy updated the group. Section 18 updates. 80 in attendance. Dec. 2014. Winchester, VA.
- 2014 **BMSB SCRI Stakeholder Advisory Panel Meeting.** Progress reports for each objective was presented to the members. Presentations given by 18 speakers. 52 in attendance. Dec. 2014. Kearneysville, WV.
- 2014 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations given on blacklight trapping, pheromone-based trapping and the injury diagnostics caused by BMSB in fruits, vegetables, and field crops made by 20 speakers. Formulated and ranked priorities. 65 in attendance. Jun 2014. Georgetown, DE.
- 2013 **BMSB SCRI Stakeholder Advisory Panel Meeting.** Progress reports for each objective was presented to the members. Presentations given by 18 speakers. 45 in attendance. Dec. 2013. Kearneysville, WV.

- 2013 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations given on hosts at risk, rearing and national coordination efforts made by 26 speakers. Section 18 updates. 89 in attendance. Dec. 2013. Winchester, VA.
- 2013 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations given on Pheromone-Based Trapping, Climate Driven Models, Tracing BMSB Origin, Outreach, Rearing, and Gut Symbionts to Updates on Biological Control with Asian Parasitoids and Imaging Stacking Software uses made by 23 speakers. Formulated and ranked priorities. 70 in attendance. June 2013. Bridgeton, NJ.
- 2013 **SCRI Planning Meeting.** Planning for the 2013 season. Presentations on video curricula, shared commodity team objectives, biocontrol surveys, economic analysis were given and discussion on landscape studies. 12 members in attendance, 10 members participated through Webinar. Feb. 2013. Kearneysville, WV.
- 2013 **SCRI Planning Meeting.** Planning for the 2013 season. Presentations on phenology model and voltinism, monitoring tools, and shared commodity team objectives were given. 17 members in attendance, 15 members participated through Webinar. Jan. 2013. Kearneysville, WV.
- 2012 **BMSB SCRI Stakeholder Advisory Panel Meeting.** Progress reports for each objective was presented to the members. Over 25 presentations given by 17 speakers. 45 in attendance. Nov. 2012. Kearneysville, WV.
- 2012 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations given on BMSB monitoring tools, movement, dispersal studies and host-use patterns made by 23 speakers. Section 18 updates. 72 in attendance. Nov. 2012. Winchester, VA.
- 2012 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations given on Research and Regulatory updates and Consumer Issues made by 23 speakers. Formulated and ranked priorities. 85 in attendance. June 2012. Westminster, MD.
- 2011 **BMSB SCRI Stakeholder Advisory Panel Meeting.** Progress reports from each institute and commodity group presented to the members. Updates made by 17 speakers. Nov. 2011. Kearneysville, WV.
- 2011 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations on the impact of BMSB in agriculture and the human environment and regulatory updates made by over 23 speakers. Nov. 2011. Winchester, VA.
- 2011 **BMSB Working Group Meeting.** Northeastern IPM Center. Presentations on Impact of BMSB in Asia and regulatory updates made by over 34 speakers. June 2011. Biglerville, PA

- 2011 **Meeting Symposium.** Entomological Society of America, Eastern Branch. The Plague of the Brown Marmorated Stink Bug. Presentations made by 12 speakers from five states. Harrisburg, PA
- 2010 **BMSB Working Group Meeting.** Northeastern IPM Center. Research, Extension, and Regulatory Updates on BMSB made by over 15 speakers. Winchester, VA.
- 2010 **BMSB Emergency Meeting.** Open forum for growers, researchers, Extension educators, regulators and USDA personnel to establish the level of threat posed by BMSB. Thurmont, MD and Smithsburg, MD.
- 2010 **BMSB Working Group Meeting.** Northeastern IPM Center. Establishing Research, Extension and Regulatory priorities for BMSB. Research and outreach presentations and stakeholder concern presentations made by over 15 speakers. Kearneysville, WV.
- 2009 **Section Symposium.** Entomological Society of America. Developing Effective Management Strategies for Curculionidae: Wee-vil Overcome . T.C.. Leskey and E.J. Hoffman, organizers. Presentations made by 10 speakers representing 3 countries. Indianapolis, IN.
- 2005 **Program Symposium.** Entomological Society of America. Bridging the gap between basic behavioral research and crop protection applications for tree fruit agroecosystems: Honoring the life and work of Ronald J. Prokopy. T.C. Leskey, C. Vincent, and M. Aluja, organizers. Presentations made by 19 speakers from 4 countries. Fort Lauderdale, FL.
- 2005 **81st Annual Cumberland-Shenandoah Fruit Workers Conference.** Program Chairperson. 17-18 November 2005. Over 40 presentations made by entomology, plant pathology and horticulture researchers. Discussion panel that included growers, consultants, and industry representatives held. Winchester, VA
- 2003 **Symposium.** Entomological Society of America. Ecology and management of sesiid pests. Leskey, T.C. and J.C. Bergh, organizers. Presentations made by 14 speakers representing 2 countries. Cincinnati, OH.

Membership in Professional Organizations

Entomological Society of America
International Society of Chemical Ecology
International Society of Horticultural Science
International Organization of Biological Control

Professional Service Activities

2015-2016	President , Eastern Branch of the Entomological Society of America.
2014-2015	President-Elect , Eastern Branch of the Entomological Society of America.
2014-Present	Chair, Enrollment and Student Life Committee . Wilson College Board of Trustees, Chambersburg, PA.
2012-2014	Vice Chair, Enrollment and Student Life Committee . Wilson College Board of Trustees, Chambersburg, PA.
2009-Present	Board of Trustees . Wilson College, Chambersburg, PA.
2009-2015	Treasurer . Cumberland-Shenandoah Fruit Workers Conference.
2009-2010	Chair . Alumnae Recognition and Stewardship Committee, Wilson College Alumnae Association Board of Alumnae Directors.
2008-Present	Subject Editor . Environmental Entomology. Entomological Society of America.
2007-2011	Chair . Alumnae Development Advisory Committee, Wilson College Alumnae Association Board of Alumnae Directors.
2006-2008	Combined Federal Campaign Coordinator . Appalachian Fruit Research Station, Kearneysville, WV.
2006-2008	Local Federal Coordinating Committee Member . Combined Federal Campaign of the Eastern Panhandle of West Virginia.
2006-Present	Advisory Board . Eco-Apple Research Project, University of Massachusetts, Cornell University, The IPM Institute of North America and Red Tomato.
2006	Moderator . Student Competition. Entomological Society of America. National Meetings, Indianapolis, IN. Section Cd. Insect Behavior and Ecology.
2005-2011	Advisory Board . Women and Girls in Science, Mathematics, and Engineering. Wilson College, Chambersburg, PA.
2005	PMAP Relevancy Proposal Review Committee . NE Regional Pest Management Alternatives Research, USDA-CSREES.

2005-2011	Alumnae Association Board of Directors. Wilson College, Chambersburg, PA.
2004-2005	Chair. Section Cd. Insect Behavior and Ecology. Entomological Society of America.
2005	Paper Judge. Student Competition. Entomological Society of America. National Meetings, Salt Lake City, UT. Section Cd. Insect Behavior and Ecology.
2004	Moderator. Entomological Society of America. National Meetings, Salt Lake City, UT. Section Cd. Insect Behavior and Ecology.
2003-2004	Vice-Chair. Section Cd. Insect Behavior and Ecology. Entomological Society of America.
2003-2007	Awards Screening Committee. Eastern Branch. Entomological Society of America. Committee chairperson.
2002-2003	Secretary. Section Cd. Insect Behavior and Ecology. Entomological Society of America.
2002-2003	Awards Screening Committee. Eastern Branch. Entomological Society of America. Committee member.
2001-2004	IPM Working Group Member (Fruit), Northeast Pest Management Center.
2001-2004	Advisory Council Member, Northeast Pest Management Center.
2000-Present	Reviewer. Journal of Economic Entomology, Environmental Entomology, Annals of the Entomological Society of America, Crop Protection, Great Lakes Entomologist, Journal of Agricultural and Food Chemistry, Entomologia Experimentalis et Applicata, Agriculture, Ecosystems and the Environment.
2000-Present	Reunion Chairperson. Wilson College Alumnae Class of 1990.
1999	Moderator. Entomological Society of America. National Meetings, Atlanta, GA. Section Cd. Insect Behavior and Ecology.
1998	Moderator. Entomological Society of America. National Meetings, Las Vegas, NV. Section Cd. Insect Behavior and Ecology.
1990-2000	President. Wilson College Alumnae Class of 1990