

# Douglas Pfeiffer Publications

## Research Publications

### 1. Papers in refereed journals

(\* indicates graduate student in Pfeiffer lab)

- Bielski, J. T.\*, **D. G. Pfeiffer**, S. T. Jaronski, T. P. Kuhar, S. M. Salom, T. C. Leskey, and J. E. Steffel. In revision. Persistence in bioassays and field trials of *Beauveria bassiana* mycoinsecticides against overwintering spotted lanternfly, *Lycorma delicatula* (Hemiptera: Fulgoridae), egg masses. Environ. Entomol.
- Chalise, P.\*, **D. G. Pfeiffer**, T. Kuhar, Mizuho Nita, T. Jordan, C. Brewster and R. Mays. Assessing dispenser-based control on mealybug (Hemiptera: Pseudococcidae) and ant (Hymenoptera: Formicidae) populations in Virginia vineyards. Agronomy
- Hagen, A., M. DeNunzio, C. Kroehler, S. Chen, Y.-X. Goh, K. L. Burke, E. Oyedele, C. Hockman, P. Vayda, N. Bracci, M. Pagani, D. Good, **D. Pfeiffer**, E. Allen and P. Raun. 2026. Tapping into the success of Science on Tap New River Valley: Lessons learned from eight years of a community-centered science outreach program. J. Commun. Engag. Scholar. 19 (1): 1-13 (<https://doi.org/10.54656/hpj1dw58>)
- Bielski, J.\*, **D. Pfeiffer**, R. Ochoa and A. Ulsamer. 2024. New state records of *Aculops ailanthi* (Lin, Jin, and Kuang) (Acariformes: Trombidiformes: Prostigmata: Eriophyidae), in USA; a pest or biological control agent of *Ailanthus altissima* (Mill.) Swingle? Proc. Entomol. Soc. Wash. 126: 1-7 (<https://bioone.org/journals/proceedings-of-the-entomological-society-of-washington/volume-126/issue-1/0013-8797.126.1.1/New-State-Records-of-Aculops-ailanthi-Lin-Jin-and-Kuang/10.4289/0013-8797.126.1.1.full>)
- Dechaine, A. C.\*, **D. G. Pfeiffer**, T. P. Kuhar, S. M. Salom, T. C. Leskey, K. C. McIntyre, B. Walsh and J. H. Speer. 2023. Dendrochronology reveals different effects among host tree species from feeding by *Lycorma delicatula* (White). Front. Insect Sci. 3: 1137092 (11 p) Invited (<https://doi.org/10.3389/finsec.2023.1137082>).
- Hussain, B., R. A. War and **D. G. Pfeiffer**. 2023. Jasmonic and salicylic induced defensive response in wine grapes against *Drosophila suzukii* (Diptera: Drosophilidae). Heliyon 9 (6): e16505. (<https://doi.org/10.1016/j.heliyon.2023.e16505>)
- Nixon, L. J., S. Jones, A. Dechaine\*, D. Ludwick, M. Hickin, L. Sullivan, J. E. Elsonsohn, J. Gould, M. Keena, T. Kuhar, **D. G. Pfeiffer** and T. C. Leskey. 2022. Development of rearing methodology for the invasive spotted lanternfly, *Lycorma delicatula* (Hemiptera: Fulgoridae). Frontiers in Insect Science 2: 1025193. 11 p. (<https://doi.org/10.3389/finsec.2022.1025193>)
- Dechaine, A. C. \*, M. Sutphin, T. C. Leskey, S. M. Salom, T. P. Kuhar and **D. G. Pfeiffer**. 2021. Phenology of *Lycorma delicatula* (Hemiptera: Fulgoridae) in Virginia, USA. Environ. Entomol. 50: 1267-1275. (<https://academic.oup.com/ee/article/50/6/1267/6382325>)
- Nixon, L. J., S. Jones, A. Dechaine\*, D. Ludwick, M. Hickin, L. Sullivan, J. E. Elsonsohn, J. Gould, M. Keena, T. Kuhar, **D. G. Pfeiffer** and T. C. Leskey. 2022. Development of rearing methodology for the invasive spotted lanternfly, *Lycorma delicatula* (Hemiptera: Fulgoridae). Frontiers in Insect Science 2: 1025193. 11 p. (<https://doi.org/10.3389/finsec.2022.1025193>)
- Dechaine, A. C. \*, M. Sutphin, T. C. Leskey, S. M. Salom, T. P. Kuhar and **D. G. Pfeiffer**. 2021. Phenology of *Lycorma delicatula* (Hemiptera: Fulgoridae) in Virginia, USA. Environ. Entomol. 50: 1267-1275. (<https://academic.oup.com/ee/article/50/6/1267/6382325>)

- Smyers, E. C., J. M. Urban, A. C. Dechaine\*, **D. G. Pfeiffer**, S. R Crawford and D. C. Calvin. 2021. Spatial-temporal model for predicting spring hatch of the spotted lanternfly, *Lycorma delicatula* (Hemiptera: Fulgoridae). *Environ. Entomol.* 50: 126-137. (<https://doi.org/10.1093/ee/nvaa129>)
- Nixon, L., H. Leach, C. Barnes, J. Urban, D. Kirkpatrick, D. Ludwick, B. Short, **D. G. Pfeiffer** and T. C. Leskey. 2020. Development of behaviorally based monitoring and biosurveillance tools for the invasive spotted lanternfly (Hemiptera: Fulgoridae *Lycorma delicatula*). *Environ. Entomol.* 49: 1117-1126. (<https://doi.org/10.1093/ee/nvaa084>)
- Ludwick, D., W. R. Morrison, A. L. Acebes-Doria, A. M. Agnello, J. C. Bergh, M. L. Buffington, G. C. Hamilton, J. K. Harper, K. A. Hoelmer, G. Krawczyk, T. P. Kuhar, **D. G. Pfeiffer**, A. L. Nielsen, K. B. Rice, C. Rodriguez-Saona, P. W. Shearer, P. M. Shrewsbury, E. J. Talamas, J. F. Walgenbach, N. G. Wiman, T. C. Leskey. 2020. Invasion of the brown marmorated stink bug (Hemiptera: Pentatomidae) into the USA: Developing a national response to an invasive species crisis through collaborative research and outreach efforts. *J. Integr. Pest Manag.* 11(1): 1-16. (<https://doi.org/10.1093/jipm/pmaa001>)
- Shrader, M. E.\*, H.J. Burrack and **D. G. Pfeiffer**. 2020. Effects of interspecific larval competition on developmental parameters in nutrient sources between *Drosophila suzukii* (Matsumura) (Diptera: Drosophilidae) and *Zaprionus indianus* Gupta. *J. Econ. Entomol.* 113: 230-238.
- Balayara, A.\*, C. C. Brewster, L. J. Vaughan and **D. G. Pfeiffer**. 2019. Foliar, fruit, and soil-applied organic insecticides for oriental fruit fly, *Bactrocera dorsalis* (Diptera: Tephritidae), in Senegalese mangoes. *Plant Health Prog.* 20: 187-193. (<https://apsjournals.apsnet.org/doi/10.1094/PHP-10-18-0061-RS>)
- Pfeiffer, D. G.**, M. E. Shrader\*, J. C. E. Wahls\*, B. N. Willbrand\*, I. Sandum\*, K. van der Linde, C. A. Laub, R. S. Mays, E. R. Day. 2019. African fig fly (Diptera: Drosophilidae): Biology, expansion of geographic range and its potential status as a soft fruit pest. *J. Integr. Pest Manag.* 10(1): 20 p. (<https://doi.org/10.1093/jipm/pmz018>)
- Shrader, M. E. \*, H. J. Burrack and **D. G. Pfeiffer**. 2019 *Drosophila suzukii* (Diptera: Drosophilidae) oviposition and adult emergence in six wine grape varieties grown in Virginia. *J. Econ. Entomol.* 112: 139-148. [doi.org/10.1093/jee/toy305](https://doi.org/10.1093/jee/toy305)
- Willbrand, B. N. \*, and **D. G. Pfeiffer**. 2019. Brown rice vinegar as an olfactory field attractant for *Drosophila suzukii* (Matsumura) and *Zaprionus indianus* Gupta (Diptera: Drosophilidae) in cherimoya in Maui, Hawaii, with implications for attractant specificity between species and estimation of relative abundance. *Insects* 10(3): 80 (18 p) (<https://www.mdpi.com/2075-4450/10/3/80/htm>)
- Hussain, B., A. R. War and **D. G. Pfeiffer**. 2018. Mapping foliage damage index and monitoring of *Pieris brassicae* by using GIS-GPS technology in cole crops. *J. Entomol. Zool. Studies* n6: 933-938.
- Willbrand, B.\*, **D. G. Pfeiffer**, L. Leblanc, A. Yassin. 2018. First report of African fig fly, *Zaprionus indianus* Gupta (Diptera: Drosophilidae), on the Island of Maui, Hawaii, USA in 2017 and potential impacts to the Hawaiian entomofauna. *Proc. Hawaiian Entomol. Soc.* 50: 55-65. (<https://scholarspace.manoa.hawaii.edu/handle/10125/59215>)
- Mathews, C. R., B. Blaauw, G. Dively, J. Kotcon, J. Moore, E. Ogburn, **D. G. Pfeiffer**, T. Trope\*, J. F. Walgenbach, C. Welty, G. Zinati and A. L. Nielsen. 2017. Evaluating a poly culture trap

- crop for organic management of *Halyomorpha halys* and native stink bugs in peppers. J. Pest Sci. 90: 1245-1255. doi: 10.1007/s10340-017-0838-z.
- Dellinger, T. A., E. R. Day and **D. G. Pfeiffer**. 2016. Brown marmorated stink bug in the Mid-Atlantic states: Assessing grower perceptions, economic impact, and extension progress. J. Extension 54(4): 4RIB4 (9 pp). [http://www.joe.org/joe/2016august/pdf/JOE\\_v54\\_4rb4.pdf](http://www.joe.org/joe/2016august/pdf/JOE_v54_4rb4.pdf)
- Basnet, S.\* , T. P. Kuhar, C. A. Laub and **D. G. Pfeiffer**. 2015. Seasonality and distribution pattern of brown marmorated stink bug (Hemiptera: Pentatomidae) in Virginia vineyards. J. Econ. Entomol. 108: 1902-1909. (doi: <http://dx.doi.org/10.1093/jee/tov124>)
- Basnet, S.\* , L. M. Maxey, C. Laub, T. P. Kuhar and **D. G. Pfeiffer**. 2014. The stink bug (Hemiptera: Pentatomidae) community in primocane-bearing raspberries in southwestern Virginia. J. Entomol. Sci. 49: 304-312.
- Rice, K. B., C. J. 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, T. Kuhar, H. Martinson, W. Mitchell, A. L. Nielsen, **D. G. Pfeiffer**, M. J. Raupp, C. Rodriguez-Saona, P. Shearer, P. Shrewsbury, P. D. Venugopal, J. Whalen, N. G. Wiman, T. C. Leskey, and J. F. Tooker. 2014. Biology, ecology, and management of brown marmorated stink bug (Hemiptera: Pentatomidae). J. Integr. Pest Manag. 5(3): A1-A13. (<http://esa.publisher.ingentaconnect.com/content/esa/jipm/2014/00000005/00000003/art00005>)
- Leskey, T. C., G. C. Hamilton, D. J. Biddinger, M. L. Buffington, C. Dieckhoff, G. P. Dively, H. Fraser, T. Gariepy, C. Hedstrom, D. A. Herbert, K. A. Hoelmer, C. R. R. Hooks, D. Inkley, G. Krawczyk, T. P. Kuhar, D.-H. Lee, A. L. Nielsen, **D. G. Pfeiffer**, C. Rodriguez-Saona, P. W. Shearer, E. Talamas, E. Tomasino, J. Tooker, P. D. Venugopal, J. Whalen, V. Walton, K. M. Makkouk and N. Wiman. 2014. *Halyomorpha halys* (brown marmorated stink bug). CABI Invasive Species Compendium. On-line (<http://www.cabi.org/isc/?compid=5&dsid=27377&loadmodule=datasheet&page=481&site=144>)
- Mochiah, M. B., M. K. Osei, K. Osei, **D. Pfeiffer** and R. Muniappan. 2014. Impact of farmer field schools on cabbage production in two districts of Ashanti and Brong Ahafo regions of Ghana. Internat. J. Agric. Innovat. Res. 2 (4): 525-529. ISSN (Online) 2319-1473 ([http://www.ijair.org/administrator/components/com\\_jresearch/files/publications/IJAIR\\_430\\_Final.pdf](http://www.ijair.org/administrator/components/com_jresearch/files/publications/IJAIR_430_Final.pdf))
- Shrader, M.\* , T. P. Kuhar, P. Schultz, **D. Pfeiffer** and K. Kamminga. 2014. Bean leaf beetle (Coleoptera: Chrysomelidae) preference for two *Phaseolus* beans over soybean. J. Entomol. Sci. 49: 87-90.
- Wu, S.\* , R. R Youngman, L. T. Kok, C. A. Laub and **D. G. Pfeiffer**. 2014. Interaction between entomopathogenic nematodes and entomopathogenic fungi applied to third instar southern masked chafer, *Cyclocephala lurida* (Coleoptera: Scarabaeidae), under laboratory and greenhouse conditions. Biol. Cont. 76: 65-73.
- Dinakaran, D., G. Gajendran, S. Mohankumar, G. Karthikeyan, S. Thiruvudainambi, E. I. Jonathan, R. Samiyappan, **D. G. Pfeiffer**, E. G. Rajotte, G. W. Norton, S. Miller and R. Muniappan. 2013. Evaluation of integrated pest and disease management module for shallots in Tamil Nadu, India - A farmer's participatory approach. J. Integr. Pest Manag. 4(2): B1-B9 (<http://dx.doi.org/10.1603/IPM12019>) (<http://esa.publisher.ingentaconnect.com/content/esa/jipm/2013/00000004/00000002/art00004>)

- Jordan, T. J.\* , A. Zhang and **D. G. Pfeiffer**. 2013. Blend chemistry and field attraction of commercial sex pheromone lures to grape berry moth, *Paralobesia viteana* (Clemens) (Lepidoptera: Tortricidae), and a non-target tortricid in vineyards. *Environ. Entomol.* 42: 558-563. Doi: <http://dx.doi.org/10.1603/EN13033>
- Pfeiffer, D. G.**, R. Muniappan, D. Sall, P. Diatta, A. Diongue and E. O. Dieng. 2013. First record of *Tuta absoluta* (Lepidoptera: Gelechiidae) in Senegal. *Fla. Entomol.* 96: 661-662. (<http://www.bioone.org/doi/pdf/10.1653/024.096.0241>) doi: <http://dx.doi.org/10.1653/024.096.0241>
- Wallingford, A. K.\* , T. P. Kuhar, **D. G. Pfeiffer**, D. B. Tholl, J. H. Freeman, H. B. Doughty and P. B. Schultz. 2013. Host plant preference of harlequin bug (Hemiptera: Pentatomidae), and evaluation of a trap cropping strategy for its control in collard. *J. Econ. Entomol.* 106: 283-288.
- Burrack, H. J., J. P. Smith, **D. G. Pfeiffer**, G. Koeher and J. LaForest. 2012. Using volunteer-based networks to track *Drosophila suzukii* (Diptera: Drosophilidae) an invasive pest of fruit crops. *J. Integr. Pest Manag.* 3 (4): B1-B5.
- 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. P. 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.-H. Lee, and S. E. Wright. 2012. Pest status of the brown marmorated stink bug, *Halyomorpha halys* in the USA. *Outlooks on Pest Manag.* 23(5): 218-226. Doi: 10.1564/23oct07.
- Wallingford, A. K.\* and **D. G. Pfeiffer**. 2012. A survey of sharpshooters (Hemiptera: Cicadellidae) in Virginia vineyards, a region of expanding concern for Pierce's disease. *J. Entomol. Sci.* 47: 360-365.
- Shahini, Sh., E. Kullaj, A. Çakalli, M. Çakalli, S. Lazarevska, **D. G. Pfeiffer** and F. Gumeni. 2010. Population dynamics and biological control of European grapevine moth (*Lobesia botrana*: Lepidoptera: Tortricidae) in Albania using different strains of *Bacillus thuringiensis*. *Internat. J. Pest Manag.* 56: 281-286. (<http://www.tandfonline.com/doi/abs/10.1080/09670874.2010.481056#.UfgDKomAGUY>)
- Zhang, X.\* , S. Luckhart, Z. Tu and **D. G. Pfeiffer**. 2010. Analysis of *Wolbachia* strains associated with *Conotrachelus nenuphar* (Coleoptera: Curculionidae) in the eastern United States. *Environ. Entomol.* 39: 396-405.
- Hitchner, E. M.\* , T. P. Kuhar, J. Dickens, R. R. Youngman, P. B. Schultz and **D. G. Pfeiffer**. 2008. Host plant choice experiments of Colorado potato beetle (Coleoptera: Chrysomelidae) in Virginia. *J. Econ. Entomol.* 101: 859-865.
- Lim, G. T.\* , L. G. Kirton, S. M. Salom, L. T. Kok, R. D. Fell and **D. G. Pfeiffer**. 2008. Mahogany shoot borer control in Malaysia and prospects for biocontrol using weaver ants. *J. Trop. For. Sci.* 20: 147-155
- Lim, G. T. \* , L. G. Kirton, S. M. Salom, L. T. Kok, R. D. Fell and **D. G. Pfeiffer**. 2008. Host plants and associated trophobionts of the weaver ants *Oecophylla* spp. (Hymenoptera: Formicidae). *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* 3(35): 1-19. (<http://www.cababstractsplus.org/cabreviews/Reviews.asp?action=display&openMenu=relatedItems&ReviewID=82825&Year=2008>)

- Zhang, X.\*, and **D. G. Pfeiffer**. 2008. Evaluation of reproductive compatibility of interstrain matings among plum curculio populations in the eastern United States. *Environ. Entomol.* 37: 1208-1213.
- Zhang, X.\*, J. Tu, S. Luckhart and **D. G. Pfeiffer**. 2008. Genetic diversity of plum curculio, *Conotrachelus nenuphar* (Coleoptera: Curculionidae) among geographical populations in the eastern United States. *Ann. Entomol. Soc. Am.* 101: 824-832.
- Gronning, E. K.\* and **D. G. Pfeiffer**. 2007. Ground beetle assemblages in Virginia apple orchards receiving pheromone-based or conventional tortricid management programs. *J. Entomol. Sci.* 42: 501-516.
- Pfeiffer, D. G.** and K. Love. 2007. Handheld applications in fruit extension delivery. *J. Extension* 45 (5): 5TOT6
- Wallingford, A. K.\*, S. A. Tolin, A. L. Myers, T. K. Wolf and **D. G. Pfeiffer**. 2007. Expansion of the range of Pierce's disease in Virginia. *Plant Health Progress*. Online. doi:10.1094/PHP-2007-1004-01-BR.
- Bergh, J. C., **D. G. Pfeiffer** and K. P. Love. 2005. Survey of grape root borer, *Vitacea polistiformis* (Harris), using pheromone traps in Virginia vineyards. *J. Entomol. Sci.* 40: 337-342.
- McClanan, M. E. \*, S. Luckhart and **D. G. Pfeiffer**. 2004. Use of random amplified polymorphic DNA polymerase chain reaction (RAPD-PCR) to differentiate populations of plum curculio, *Conotrachelus nenuphar* (Herbst). *J. Entomol. Sci.* 39: 117-121.
- McClanan, M. E.\*, S. Luckhart and **D. G. Pfeiffer**. 2004. *Wolbachia* strains associated with univoltine and multivoltine plum curculios. *J. Entomol. Sci.* 39: 132-135.
- Metzger, J. A.\* and **D. G. Pfeiffer**. 2002. Topical toxicity of pesticides used in Virginia vineyards to the predatory mite, *Neoseiulus fallacis* (Garman). *J. Entomol. Sci.* 37: 329-337.
- Gronning, E. K.\*, D. M. Borchert\*, **D. G. Pfeiffer**, C. M. Felland, J. F. Walgenbach, L. A. Hull and J. C. Killian. 2000. Effect of specific and generic pheromone blends on captures in pheromone traps by four leafroller species in mid-Atlantic apple orchards. *J. Econ. Entomol.* 93: 157-164.
- Pfeiffer, D. G.**, J. C. Killian and K. S. Yoder. 1999. Clarifying the roles of white apple leafhopper and potato leafhopper (Homoptera: Cicadellidae) in fire blight transmission in apple. *J. Entomol. Sci.* 34: 314-321.
- Pfeiffer, D. G.** and J. C. Killian. 1999. Dogwood borer (Lepidoptera: Sesiidae) flight activity and an attempt to control damage in 'Gala' apples using mating disruption. *J. Entomol. Sci.* 34: 210-218.
- Welker, R. M.\*, R. P. Marini and **D. G. Pfeiffer**. 1996. Ultrastructural and surface features of apple leaves following white apple leafhopper feeding. *HortScience* 31: 249-251.
- Welker, R. M.\*, R. P. Marini and **D. G. Pfeiffer**. 1995. Influence of first-generation white apple leafhopper (Homoptera: Cicadellidae) and leaf-to-fruit ratio on apple fruit size and quality. *J. Econ. Entomol.* 88: 959-964.

- Pfeiffer, D. G.** and E. K. Gronning\*. 1995. Spotted fireworm (Lepidoptera: Tortricidae) in variegated leafroller pheromone traps, and its orientation to traps in variegated leafroller pheromone-permeated orchards. *J. Agric. Entomol.* 12: 21-24.
- Marini, R. P., **D. G. Pfeiffer** and D. S. Sowers. 1994. Influence of European red mite (Acari: Tetranychidae) and crop density on fruit size and quality and on crop value of 'Delicious' apples. *J. Econ. Entomol.* 87: 1302-1311.
- Kaakeh, W. \*, **D. G. Pfeiffer** and R. P. Marini. 1993. Effect of *Aphis spiraecola* and *Aphis pomi* (Homoptera: Aphididae) on the growth of young apple trees. *Crop Protect.* 12: 141-147.
- Pfeiffer, D. G.**, W. Kaakeh\*\*\*, J. C. Killian, M. W. Lachance\* and P. Kirsch. 1993. Mating disruption to control damage by leafrollers in Virginia apple orchards. *Entomol. Exp. Applic.* 67: 47-56.
- Pfeiffer, D. G.**, W. Kaakeh\*\*\*, J. C. Killian, M. W. Lachance\* and P. Kirsch. 1993. Mating disruption for control of damage by codling moth in Virginia apple orchards. *Entomol. Exp. Applic.* 67: 57-64.
- Kaakeh, W. \*, **D. G. Pfeiffer** and R. P. Marini. 1992. Combined effects of spirea aphid (Homoptera: Aphididae) and nitrogen fertilization on net photosynthesis, total chlorophyll content, and greenness of apple leaves. *J. Econ. Entomol.* 85: 939-946.
- Kaakeh, W. \*, **D. G. Pfeiffer** and R. P. Marini. 1992. Combined effects of spirea aphid (Homoptera: Aphididae) and nitrogen fertilization on shoot growth, dry matter accumulation, and carbohydrate concentration in young apple trees. *J. Econ. Entomol.* 85: 496-506.
- Despins, J. L. \*, E. C. Turner and **D. G. Pfeiffer**. 1991. Evaluation of methods to protect poultry house insulation from infestations by lesser mealworm (Coleoptera: Tenebrionidae). *J. Agric. Entomol.* 8: 209-217.
- Pfeiffer, D. G.**, J. C. Killian, E. G. Rajotte, L. A. Hull and J. W. Snow. 1991. Mating disruption for reduction of damage by lesser peachtree borer (Lepidoptera: Sesiidae) in Virginia and Pennsylvania peach orchards. *J. Econ. Entomol.* 84: 218-223.
- Campbell, R. J. \*, K. N. Mobley\*, R. P. Marini and **D. G. Pfeiffer**. 1990. Growing conditions alter the relationship between SPAD-501 values and apple leaf chlorophyll. *HortScience* 25: 330-331.
- Varn, M. \* and **D. G. Pfeiffer**. 1989. Effect of rosy apple aphid and spirea aphid (Homoptera: Aphididae) on dry matter accumulation and carbohydrate concentration in young apple trees. *J. Econ. Entomol.* 82: 565-569.
- Boucher, T. J. \* and **D. G. Pfeiffer**. 1989. Influence of Japanese beetle (Coleoptera: Scarabaeidae) foliar feeding on 'Seyval Blanc' grapevines in Virginia. *J. Econ. Entomol.* 82: 220-225.
- Pfeiffer, D. G.**, M. W. Brown and M. W. Varn\*. 1989. Incidence of spirea aphid (Homoptera: Aphididae) in apple orchards in Virginia, West Virginia, and Maryland. *J. Entomol. Sci.* 24: 145-149.
- Pfeiffer, D. G.** and J. C. Killian. 1988. Disruption of olfactory communication in oriental fruit moth and lesser appleworm in a Virginia peach orchard. *J. Agric. Entomol.* 5: 235-239.

- Boucher, T. J.\*, **D. G. Pfeiffer**, J. A. Barden and J. M. Williams. 1987. Effects of simulated insect injury on net photosynthesis of potted grapevines. *HortScience* 22: 927-928.
- Pfeiffer, D. G.** and S. W. Pfeiffer. 1986. Relative susceptibility to slide-dip application of cyhexatin in three populations of *Panonychus ulmi* (Koch) in Virginia apple orchards. *J. Agric. Entomol.* 3: 326-328.
- Pfeiffer, D. G.** 1986. Effects of field applications of paraquat on densities of *Panonychus ulmi* (Koch) and *Neoseiulus fallacis* (Garman). *J. Agric. Entomol.* 3: 322-325.
- Pfeiffer, D. G.** 1986. *Arytainilla spartiophila* (Foerster) (Homoptera: Psyllidae) on *Cytisus scoparius* (L.) Link in Virginia: First record in eastern North America. *J. Entomol. Sci.* 21: 214-218.
- Pfeiffer, D. G.** 1985. Toxicity of avermectin B<sub>1</sub> to San Jose scale (Homoptera: Diaspididae) crawlers, and effects on orchard mites by crawler sprays versus full-season applications. *J. Econ. Entomol.* 78: 1421-1424.
- Pfeiffer, D. G.** 1985. Pheromone trapping of males and prediction of crawler emergence for San Jose scale (Homoptera: Diaspididae) in Virginia apple orchards. *J. Entomol. Sci.* 20: 351-353.
- Pfeiffer, D. G.** and E. C. Burts. 1984. Effect of tree fertilization on protein and free amino acid content and feeding rate of pear psylla (Homoptera: Psyllidae). *Environ. Entomol.* 13: 1487-1490.
- Pfeiffer, D. G.** and E. C. Burts. 1983. Effect of tree fertilization on numbers and development of pear psylla (Homoptera: Psyllidae), and on fruit damage. *Environ. Entomol.* 12: 895-901.
- Pfeiffer, D. G.** and R. C. Axtell. 1980. Coleoptera of poultry manure in caged-layer houses in North Carolina. *Environ. Entomol.* 9: 21-28.
- Gentile, A. G., A. W. Vaughan and **D. G. Pfeiffer**. 1978. Cucumber pollen germination and tube elongation inhibited or reduced by pesticides and adjuvants. *Environ. Entomol.* 7: 689-691.
- Hagedorn, H. H., S. Turner, E. A. Hagedorn, D. Pontecorvo, P. Greenbaum, **D. Pfeiffer**, G. Wheelock and T. R. Flanagan. 1977. Postemergence growth of the ovarian follicles of *Aedes aegypti*. *J. Insect Physiol.* 23: 203-206.

## 2. Books and monographs

- Demchak, K. (coord.), (PSU) T. E. Elkner, C. J. Esslinger, M. Frazier, S. D. Guiser, J. M. Halbrendt, J. K. Harper, G. Krawczyk, K. M. Richards, (Rutgers) J. R. Heckman, B. W. Majek, P. Nitzsche, P. Oudemans, G. Pavlis, D. Polk, C. Rodriguez-Saona, W. J. Sciarappa, D. L. Ward, (UDeI) G. C. Johnson, (UMd) B. R. Butler, J. A. Fiola, W. Lantz, (USDA-Beltsville) M. Ehlenfeldt, (Va Tech) J. F. Derr, C. Johnson, **D. G. Pfeiffer**, R. A. Straw, K. S. Yoder, (WVA) A. R. Biggs, J. W. Jett, L. W. Jett (Additional Contributor) E. Mashburn, H. Swarz. 2013. *The Mid-Atlantic Berry Guide for Commercial Growers, 2013-2014*. Pa. State Univ., Agric. Res. Coop. Ext. 271 p. (Authors listed alphabetically within participating states).  
<http://pubs.cas.psu.edu/PubTitle.asp?varTitle=berry+guide>
- Шестопап, Г., і Д. **Файффер**. 2008. Яблуня – Комерційна Культура в Україна. [Shestopal, G., and D. Pfeiffer. 2008. *Apple - A Commercial Crop for Ukraine*.] Tsov "Triada-Plus". L'viv, Ukraine. 256 p. 20 pls.

Demchak, K. (coord.), (PSU) Brittingham-Brant, M., M. Frazier, S. D. Guiser, J. M. Halbrendt, J. K. Harper, G. Krawczyk, K. M. Richards, E. S. Sánchez, J. W. Travis, (Rutgers) B. W. Majek, P. Nitzsche, P. Oudemans, G. Pavlis, S. Polavarapu, D. Polk, P. R. Probasco, C. Rodriguez-Saona, W. J. Sciarappa, P. W. Shearer, M. Stanghellini, (UDel) D. M. Caron, W. E. Kee, G. C. Johnson, (UMd) B. R. Butler, J. A. Fiola, H. J. Swartz, (Va Tech) A. D. Bratsch, J. F. Derr, J. A. Pattison, **D. G. Pfeiffer**, K. S. Yoder, (WVA) J. Baniecki, A. Biggs, H. W. Hogmire, R. Zimmerman. 2006. The Mid-Atlantic Berry Guide for Commercial Growers. Pa. State Univ., Agric. Res. Coop. Ext. 205 p. (Authors listed alphabetically within participating states) (VCE Pub. No. 423-020).

Tedeschini, J., B. Stamo and **D. Pfeiffer**. 2006. Menaxhimi i parazitëve ne ullishtet organike. [Pest management in organic olives.] Plant Protection Institute. Durrës, Albania. 135 p.

Tedeschini, J., B. Stamo and **D. Pfeiffer**. 2005. Menaxhimi i integruar i parazitëve të ullirit. [Integrated and biological management in olive.] Plant Protection Institute. Durrës, Albania. 114 p., 21 plates.

Шестопап, З. А., **Д. Г. Файффер** і Г. С. Шестопап. 1999. Довідник з інтегрованого захисту плодово-ягідних культур від шкідників і хвороб. [Shestopal, Z. A., D. G. Pfeiffer and G. C. Shestopal. Integrated pest management for orchards and small fruit crops.] Kyiv Horticultural Institute. L'viv, Ukraine.

### 3. Book chapters

**Pfeiffer, D. G.** 2012. Japanese beetle and other Coleoptera feeding on grapevines in eastern North America. p. 403-439. *In*: N. J. Bostanian, C. Vincent and R. Isaacs (eds.), *Arthropod Management in Vineyards: Pests, Approaches, and Future Directions*. Springer, Dordrecht, The Netherlands. (<http://www.springerlink.com/content/j80r8184452875t1/>)

**Pfeiffer, D. G.**, T. C. Leskey and H. J. Burrack. 2012. Threatening the harvest: The threat from three invasive insects in late season vineyards. p. 449-474. *In*: N. J. Bostanian, C. Vincent and R. Isaacs (eds.), *Arthropod Management in Vineyards: Pests, Approaches, and Future Directions*. Springer, Dordrecht, The Netherlands. (This book was in the top 50% of downloads from Springer for 2012. This chapter was among the top three downloaded chapters) (<http://www.springerlink.com/content/h685916145511tj/>)

**Pfeiffer, D. G.** 2008. Major insect and mite pests of grapes. p. 241-261, 307-311. *In*: T. K. Wolf (ed.) *Wine Grape Production Guide for Eastern North America*. Natural Resource, Agriculture, and Engineering Service Pub.; 145, Cornell. ([http://palspublishing.cals.cornell.edu/nra\\_order.taf?\\_function=detail&pr\\_id=178&\\_UserReference=0E03A](http://palspublishing.cals.cornell.edu/nra_order.taf?_function=detail&pr_id=178&_UserReference=0E03A))

**Pfeiffer, D. G.**, J. Tedeschini, L. Daku, M. Hasani, R. Uka, B. Stamo and B. Ferraj. 2005. Developing IPM packages in Eastern Europe: Participatory IPM research in Albanian olives. p. 121-139. *In* G. W. Norton, E.A. Heinrichs, G. C. Luther, M. E. Irwin. (eds.) *Globalizing Integrated Pest Management: A Participatory Research Process*. Blackwell, Oxford UK. 338 p.

**Pfeiffer, D. G.** 2000. Selective insecticides. p. 131-144. *In* J. E. Rechcigl and N. A. Rechcigl (eds). *Integrated Pest Management: Techniques for Environmental Protection*. Lewis, New York. 392 p.

**Pfeiffer, D. G.** 1997. Deciduous fruit trees. p. 293-322. *In* Y. Ben-Dov and C. J. Hodgson (eds.) *Soft Scale Insects: Their Biology, Natural Enemies and Control*. World Crop Pests, vol 7B. Elsevier, Amsterdam. 442 p.

- Pfeiffer, D. G.** 1996. Applications of pheromone technology to pests in small fruit in the Northeast. p. 11-17. In C. Hollingsworth (ed). Implementing Pheromone Technology in the Northeast. Northeast Regional Agric. Engineer. Serv. Publ. 83, Ithaca. 65 p.
- Hogmire, H. W. (ed.). 1995. Mid-Atlantic Orchard Monitoring Guide. Northeast Regional Agric. Engineer. Serv. Publ. 75, Ithaca. 361 p. (Listed by Virginia Tech as Extension Publication 490-403) (I served as the Entomology Discipline Chair, coordinating 11 authors in 5 states, resulting in 16 chapters.) I served as author for the following chapters:
- Hull, L. A., **D. G. Pfeiffer** and D. J. Biddinger. 1995. Apple - Direct pests. p. 5-17.
- Pfeiffer, D. G.** and H. W. Hogmire. 1995. Aphid predators. p. 75-80.
- Pfeiffer, D. G.** and R. L. Horsburgh. 1995. Pear - Indirect pests. p. 45-49
- Pfeiffer, D. G.**, L. A. Hull, D. J. Biddinger and J. C. Killian. 1995. Apple - Indirect pests. p. 18-43.
- Pfeiffer, D. G.** 1991. Biology and management of aphids on apple. p. 169-183. In K. Williams (ed.). New Directions in Tree Fruit Pest Management. Good Fruit Grower, Yakima. 214 p.
- Horton, D. L., **D. G. Pfeiffer** and F. F. Hendrix. 1991. Southeastern apple integrated pest management. p. 165-182. In National Research Council. Sustainable Agriculture Research and Education in the Field. National Academy Press, Washington, D.C. 437 p
- Pfeiffer, D. G.**, T. J. Boucher\*, M. W. Lachance\* and J. C. Killian. 1990. Entomological research in Virginia (U.S.A.) vineyards. p. 45-61. In N. J. Bostanian, L. T. Wilson and T. J. Dennehy (eds.). Monitoring and Integrated Management of Arthropod Pests of Small Fruit Crops. Intercept, Andover, U.K. 301 p.