

William E. Klingeman, III
Professor, Graduate Director, & Assistant Department Head
Department of Plant Sciences, The University of Tennessee

BUSINESS ADDRESS

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EDUCATION

1998	Ph.D.	Entomology	University of Georgia, Athens, GA
1995	M.S.	Entomology	North Carolina State University, Raleigh, NC
1991	B.A.	Biology	Hanover College, Hanover, IN

EMPLOYMENT EXPERIENCE

<i>2020 - present</i>	Professor & Assistant Department Head: Department of Plant Sciences (PS), University of Tennessee (UT)
<i>2022 - 2024</i>	Adjunct Professor, Tennessee State University (TSU)
<i>2011 - 2020</i>	Professor: Department of Plant Sciences (PS), University of Tennessee (UT)
<i>2004 - 2010</i>	Associate Professor: Department of Plant Sciences (PS), Univ. Tennessee (UT)
<i>2001 - 2004</i>	Assistant Professor: Department of Plant Sciences and Landscape Systems (PSLS), University of Tennessee (UT)
<i>1999 - 2001</i>	Assistant Professor: Department of Ornamental Horticulture and Landscape Design (OHLA), University of Tennessee (UT)
<i>1995 - 1999</i>	Graduate Research Assistant: Department of Entomology, Univ. of Georgia
<i>Mar - Jul 1995</i>	Research Technician: BASF Corp., Research Triangle Park, NC
<i>Dec - Mar 1995</i>	Curatorial Assistant: Department of Entomology, North Carolina State University
<i>1992 - 1995</i>	Graduate Teaching/Res. Assistant: Department of Entomology, NC State Univ.
<i>1991 - 1992</i>	Technical Information Clerk (GS-5): National Institute for Occupational Safety and Health (NIOSH) Cincinnati, OH.

ACADEMIC APPOINTMENT

<i>2009 - present</i>	63% Research; 27% Teaching; 10% Administration (Herbert College)
<i>2002 - 2008</i>	85% Research; 15% Teaching
<i>1999 - 2001</i>	100% Research

ADMINISTRATIVE RESPONSIBILITIES:

PS Assistant Department Head: 2020 – *present*

PS Graduate Student Director: 2004 – *present*

PS Instructional Coordinator: 2009 – *present*

TEACHING RESPONSIBILITIES:

Graduate Students Advised:

Masters Students (plus grad committee service to 40 MS students)

1. Tammy Stackhouse, PS Thesis: Thousand cankers disease diagnosis with conventional electrophoresis and TaqMan probes, 2018-2019
2. Drew Jeffers, PS Thesis: Buyer and grower perceptions of liner quality and associated production costs of nursery liner stock, 2006-2008
3. Wesley Powell, PS Thesis: Potential of *Beauveria bassiana* 11-98 as a biological control agent against tomato pests and detection of mycotoxic metabolite beauvericin in tomato plants using HPLC, 2004-2005
4. Chris Vaughn, PSLs Thesis: An evaluation of clearwing borer activity in East Tennessee in relation to color, growing degree-days and pheromone lure brands, 2002-2005
5. Deborah Ketchersid, PSLs Thesis: Challenges to dogwood production: budwood production and whitefringed beetle management, 2001-2003

PhD Students (plus grad committee service to 12 PhD students)

1. Axel Gonzalez Murillo, co-advised w/ Dr. J. K. Moulton, PSES-PS Project, *Molecular Systematics of Chrysobothris beetles (Coleoptera: Buprestidae)*, 2021-present.
2. Jason Hansen, co-advised w/ Dr. J. K. Moulton, PSI Dissertation, Identification and phylogenetic characterization of select species of Sesiidae (Lepidoptera) and Buprestidae (Coleoptera) wood boring insect families occurring across the southeastern U.S., 2006-2010.

Courses Taught:

Undergraduate Courses

PLSC 443 Turfgrass Entomology (Lecture: 2 credit hours, Spring Semester)

Year (number of students): 2015 (12), 2018 (15), 2020 (12), 2022 (12), 2024 (8)

PLSC 343 Turfgrass Entomology (Lecture: 1 credit hour, Spring Semester)

Year (number of students): 2006 (12), 2007 (17), 2009 (14), 2010 (12), 2011 (8), 2012 (4), 2013 (14)

PLSC 410 Nursery Management & Production (Lecture: 3 credit hours, Spring Semester)

(starting 2009, also a Writing Intensive GenEd course – WC credit)

Year (number of students): 2005 (22), 2007 (23), 2009 (19), 2011 (22), 2013 (28), 2015 (33), 2017 (28), 2019 (34), 2021 (28), 2023 (32), 2025 (36)

PLSC 469 Special Problems in Horticulture (Variable Format: 1-3 credit hours, as needed)

Year (number of students - Topic): 2008 (2 - *Turfgrass Entomology; Tobacco & Greenhouse IPM*)

PLSC 492 Internship: Nursery Management & Production (Advisor: 1 credit hour, Summer)

Year (number of students): 2009 (1)

PLSC 493 Undergraduate Special Topics (Variable Format: 2 credit hours, as needed)
Year (number of students - Topic): 1999 (5 – *Arthropod/Weed Associations; Attributes of Invasive Plants; Marketing Ornamental Plants Effectively; Winter Annual and Perennial Weed Identification; Arthropod Induced Plant Galls and Witches' Brooms*); 2001 (2 - *Weed Seed Dispersal by Rabbits; Turfgrass Insect Pests: Biology, Behavior and Control*); 2008 (1- *Turfgrass Entomology*)

PLSC 493 Special Topics: Greenhouse & Nursery Management & Production
(Lecture: 3 credit hours, Spring Semester) Year (number of students): 2003 (26)

Graduate Courses Taught

PLSC 543 Turfgrass Entomology (Lecture: 2 credit hour, Spring Semester)
Year (number of students): 2015 (1), 2020 (1), 2022 (1)

PLSC 593 Special Topics: Greenhouse & Nursery Management & Production
(Lecture: 3 credit hours, Spring Semester) Year (number of students): 2003 (1)

OHLD 501/PLSC 501 Special Problems in Horticulture (Variable Format: 2 credit hours)
Year (number of students - Topic): 1999 (1 – *Nursery and Landscape IPM*); 2008 (1 - *Turfgrass Entomology*)

OHLD 590 Graduate Student Seminar (Lecture: 1 credit hour, Spring/Fall Semesters)
Year (number of students): 1999 (6); 2000 (7), 2001 (11)

OHLD 593 Special Problems in Ornamental Horticulture
(Variable Format: 2 credit hours, as needed)
Year (number of students): 2001 (2 – *Key-Plant/Key-Pest Associations in Ornamentals; UT Trial Garden Woody Plant Development*); 2002 (1 – *Clearwing Moths of East Tennessee*)

Courses Co-Directed

PLSC 493/593 History and Culture of Dutch & French Landscapes (International Tour & Field Trip
Format: 3 credit hours, Summer Mini Term) Year (number of students): 2011 (12)

PLSC 493/593 Glorious Gardens of England & Ireland (International Tour & Field Trip Format: 3
credit hours, Summer Mini Term) Year (number of students): 2010 (20)

Invited Lectures:

The University of Tennessee, Plant Sciences Department:

PS 110 *Introduction to Ornamental Horticulture* (McDaniel). Guest lecturer, 2/2000

PS 115 *Plants for Health, Aesthetics and Recreation* (Pulte). Guest lecturer, 11/2010, 11/2012, 11/2013, 11/2014

PS 120 *Introduction to Horticulture* (Newburn). Guest lecturer, 11/2006

PS 220 *Horticulture Principles & Practice* (Spangler). Guest lecturer, 11/2019, 11/2022, 10/2023, 10/2024, 11/2025

PS 330 *Plant Propagation* (Flanagan). Guest lecturer, 10/2003

PS 380 *Grounds Maintenance* (Flanagan). Guest lecturer, 11/2002, 11/2003, 11/2005, 11/2006

Tennessee Technological University, School of Agriculture:

AGHT 3030 *Integrated Pest Management* (Airhart). Guest lecturer, 3/2007

Expertise or Experience in International/Intercultural Activities

Grant Writing Workshop (1.5 day) and Agricultural Tours, University of Ghana (2018): assisted D. Hadziabdic and B. Ownley by presenting 4 presentations during the Grant Writing Workshop to Ghanaian faculty, post-doctorates, research associates, and students: 24 participants.

PS493/593, Special Topics in Horticulture: Glorious Gardens of Italy (2009): assisted G. Menendez with international travel and tours across central and northern Italy, 3 credit hours, 17 students.

PS493/593, Special Topics in Horticulture: Gardens of Ireland & England (2010): provided facilitator support G. Menendez with international travel and tours across southern Ireland and England with 3 days as solo instructor, 3 credit hours, 20 students.

PS491/591, History and Culture of International Gardens and Landscapes: Gardens of Holland and France (2011): collaborating with G. Menendez to formally establish a new course to be co-taught with G. Menendez focusing on international travel and tours in Europe, 3 credit hours, 12 students, qualifies for WC (Communicating through Writing) General Education credit.

RESEARCH RESPONSIBILITIES:

Hatch Projects: TEN00600: IPM and Sustainable Strategies for Arthropod Pests and Plant Diseases in Nurseries, Managed Landscapes & Urban Forests (formerly TEN00406 & TEN00319)

Peer-Reviewed Journal Publications

(Names with an asterisk "*" were undergraduate or graduate students who were advised by WEK. ¹ WEK as corresponding author.)

1. Hamm, T.P., S.L. Boggess, M. Nowicki, D. Hadziabdic, D. Shoemaker, R.N. Trigiano, W.E. Klingeman, T.J. Molnar, J. Leebens-Mack, A. Harkess, S.A. Simpson, R.C. Youngblood, A.M. Hulse-Kemp, B.E. Scheffler, and M.E. Staton. 2025. Chromosome-scale assemblies of flowering dogwood cultivars enable identification of candidate genes regulating anthocyanin biosynthesis in leaves and bracts. *BMC Plant Biology* (*In press*). *BioRxiv preprint*: <https://doi.org/10.1101/2025.07.31.667920>.
2. Awasthi, K.R, N. Timilsina, D. Coyle, D. Hadziabdic, F. Iuricich, W.E. Klingeman, M. Nowicki, B.T. Russell, and J.A. Hartshorn. 2025. Detection and classification of invasive Callery pear from multi-source satellite imageries on Google Earth Engine. *Ecological Informatics* 92: 103529. <https://doi.org/10.1016/j.ecoinf.2025.103529>).
3. Kron, C., A. Gonzalez Murillo, C.G. Goncalves, W.E. Klingeman, K. Adesso, C.B. Zoller, and J.K. Moulton. 2025. DNA barcoding helps establish a novel host-plant interaction for *Chrysobothris mali* Horn, 1886 (Coleoptera: Buprestidae) larvae found infesting *Pyrus communis* L. 'Bartlett' (Rosaceae) fruit in Lake County, California orchards. *PanPacific Entomologist* 101(3):262-272. <https://doi.org/10.3956/2025-101.3.262>

4. Awasthi, K.R, N. Timilsina, D. Coyle, D. Hadziabdic, F. Iuricich, W.E. Klingeman, M. Nowicki, B.T. Russell, and J.A. Hartshorn. 2025. Detection and classification of invasive Callery pear from multi-source satellite imageries on Google Earth Engine. *Ecological Informatics xxx(x): in press*. <https://doi.org/10.1016/j.ecoinf.2025.103529>).
5. Onufrak, A.J., S. Khodaei, I. Perez, C. Chen, A. Finnell, S. Givens, D. Holdgridge, R. Gazis, K.D. Gwinn, W. Klingeman, and D. Hadziabdic. 2024. Potential biological control agents of *Geosmithia morbida* restrict fungal plant pathogen growth via mycoparasitism and antibiosis. *BioControl*, <https://doi.org/10.1007/s10526-024-10277-y>.
6. Yadav, L.K., D. Bellis, Z.C. Smith, M. Ony, C. Hale, C. Richards, W.E. Klingeman, M.E. Staton, J.J. Granger, and D. Hadziabdic. 2024. Genetic diversity and population structure of a rare flowering tree endemic to Appalachia, *Stewartia ovata*. *Ecology & Evolution* 14:e11547. <https://doi.org/10.1002/ece3.11547>
7. Smith, Z., G. Pietsch, C. Richards, M. Ony, C. Hale, W. Klingeman, M. Staton, D. Hadziabdic, and J. Granger. 2024. Characterization and development of 14 microsatellite markers for Mountain Stewartia (*Stewartia ovata*), an uncommon, Appalachian-endemic tree in the Tea family. *J. For. Res.* 29(2): 144-150. DOI: <https://doi.org/10.1080/13416979.2023.2266618>
8. Kapoor, B., A.J. Onufrak, W.E. Klingeman, J.M. Debruyn, M.A. Cregger, E. Willcox, R. Trigiano, and D. Hadziabdic. 2023. Responses of bacterial and fungal communities of flowering dogwood (*Cornus florida*) to prescribed fire and implications for forest management. *PeerJ* 11:e15822. <https://doi.org/10.7717/peerj.15822>
9. Reyes, A.M., Z.C. Smith, A.J. Onufrak, G.M. Pietsch, M.A. Ony, M.E. Odoi, S. Khodaei, C.J. Smallwood, W.E. Klingeman, and D. Hadziabdic. 2023. First report of Bot Canker (*Diplodia corticola*) in Pin Oak (*Quercus palustris*) in Tennessee. *Plant Disease* 107(12): 4019. <https://doi.org/10.1094/PDIS-02-23-0308-PDN>
10. Onufrak, A.J., M.A. Ony, M.E. Odoi, C.J. Dugger, G.M. Pietsch, E.F. Phillips, J.F. Grant, W.E. Klingeman, and D. Hadziabdic. 2022. First report of *Diplodia corticola* causing dieback of white oak (*Quercus alba*) in Tennessee. *Plant Disease* 106(12): 3203. <https://doi.org/10.1094/PDIS-02-22-0447-PDN>
11. Pietsch, G.M., R. Gazis, W.E. Klingeman, M. Huff, M. Staton, M. Kolařík, and D. Hadziabdic. 2022. Characterization and microsatellite marker development for *Geosmithia obscura*, a common bark and ambrosia beetle associate. *MicrobiologyOpen* 11: e1286 <https://doi.org/10.1002/mbo3.1286>
12. Chahal, K., R. Gazis, W. Klingeman, P. Lambdin, J. Grant, M. Windham, and D. Hadziabdic, 2022. Differential virulence among *Geosmithia morbida* isolates collected across the U.S. occurrence range of thousand cankers disease. *Frontiers in Forests and Global Change* 5: 726388 <https://doi.org/10.3389/ffgc.2022.726388>
13. Sapkota, S., S.L. Boggess, R.N. Trigiano, W.E. Klingeman, D. Hadziabdic, D.R. Coyle, and M. Nowicki. 2022. Microsatellite loci reveal high genetic diversity, mutation, and migration rates as

- invasion drivers of Callery pear (*Pyrus calleryana*) in the southeastern United States. *Frontiers in Genetics* 13: 861398. <https://doi.org/10.3389/fgene.2022.861398>
14. Stowell, D.R., M.J. Fly, W.E. Klingeman, C.A. Beyl, A.J. Wozencroft, D.L. Airhart, and P.J. Snodgrass. 2021. Advancing a contemporary horticultural therapy practice model. *Acta Horticulturae* 1330: 211-220. <https://doi.org/10.17660/ActaHortic.2021.1330.25>
 15. Ony, M., W E. Klingeman, J. Zobel, R.N. Trigiano, M.D. Ginzel, M. Nowicki, S. Boggess, S. Everheart, and D. Hadziabdic. 2021. Genetic diversity in North American *Cercis canadensis* reveals an ancient population bottleneck that originated after the last glacial maximum. *Scientific Reports-Nature* 11: 21803 <https://doi.org/10.1038/s41598-021-01020-z>
 16. Moore, P.A., P.A. Wadl, R.N. Trigiano, J.A. Skinner, and W.E. Klingeman. 2021. Pollinators and other floral visitors to *Pityopsis ruthii* (Asteraceae: Asterales), an endangered aster native to the Southern Appalachians. *J. Kansas Entomol. Soc.* 93(4): 327-347. <https://doi.org/10.2317/0022-8567-93.4.327>
 17. Stackhouse, T.*, S. Boggess, D. Hadziabdic, R.N. Trigiano, M. Ginzel, and W.E. Klingeman. 2021. Conventional gel electrophoresis and TaqMan probes enable rapid confirmation for thousand cankers disease from diagnostic samples. *Plant Dis.* 105(10): 3171-3180. <https://doi.org/10.1094/PDIS-10-20-2258-RE>
 18. Stowell, D.R., M.J. Fly, W.E. Klingeman, C.A. Beyl, A.J. Wozencroft, D.L. Airhart, and P.J. Snodgrass. 2021. Current state of the horticultural therapy profession in the United States. *HortTechnology* 31(4): 330-338. <https://doi.org/10.21273/HORTTECH04792-21>
 19. Sapkota, S., S.L. Boggess, R.N. Trigiano, W.E. Klingeman, D. Hadziabdic, D.R. Coyle, B.A. Olukolu, R.D. Kuster, and M. Nowicki. 2021. Microsatellite loci reveal genetic diversity of Asian Callery pear (*Pyrus calleryana*) in the species native range and in the North American cultivars. *Life* 11(6): 531 [18 pgs.]. <https://doi.org/10.3390/life11060531>
 20. Hamm, T.P., M. Nowicki, S.L. Boggess, W.E. Klingeman, D. Hadziabdic, M.L. Huff, M.E. Staton, and R.N. Trigiano. 2021. Development and characterization of 15 novel genomic SSRs for *Viburnum farreri*. *Plants* 10: 487 [10 pgs.]. <https://doi.org/10.3390/plants10030487>
 21. Klingeman, W.E., Juang-Horng Chong, C. Harmon, L. Ames, A.V. LeBude and P. Chandran. 2020. Diagnostic service records help prioritize resource development needs for scale insect management (Hemiptera: Sternorrhyncha: Coccoidea) on ornamental plants. *Plant Health Progress* 21: 278-287. <https://doi.org/10.1094/PHP-05-20-0045-S>
 22. Onufrak, A.J., G.M. Williams, W.E. Klingeman, M.A. Cregger, D. M. Klingeman, J.M. Debruyne, M.D. Ginzel, and D. Hadziabdic. 2020. Geographical structure in the *Juglans nigra* phytobiome reflects differences in Thousand Cankers Disease severity. *Phytobiomes* 4(4): 388-404. <https://doi.org/10.1094/PBIOMES-05-20-0044-R>
 23. Strange, N.C., J.K. Moulton, E.C. Bernard, W.E. Klingeman, B.J. Sampson, and R.N. Trigiano. 2020. Floral visitors of *Helianthus verticillatus*, a rare sunflower species in the southeastern United States. *HortScience*. 55(12): 1980-1986. <https://doi.org/10.21273/HORTSCI15394-20>

24. Toennisson, A. T., W.E. Klingeman, and K.M. Vail. 2020. Odorous house ant, *Tapinoma sessile* (Hymenoptera: Formicidae), colony movement in response to moisture, shade, and food proximity. *Environ. Entomol.* 49(6): 1263-1269. <https://doi.org/10.1093/ee/nvaa131>
25. McDermott-Kubeczko, M.E., J. Juzwik, S.E. Reed, and W.E. Klingeman. 2020. Branch colonizing fungi associated with damage on branches of eastern black walnut in Indiana, Missouri, and Tennessee. *Plant Health Progress* 21: 135-141. <https://doi.org/10.1094/PHP-12-19-0088-RS>
26. Ony, M.A., M. Nowicki, S.L. Boggess, W.E. Klingeman, J.M. Zobel, R.N. Trigiano, and D. Hadziabdic. 2020. Fine-scale population structure of *Cercis canadensis* L. (Eastern redbud): the effect of habitat fragmentation on genetic diversity and differentiation. *Ecology and Evolution*. <http://dx.doi.org/10.1002/ece3.6141>
27. Yates, D.I., B.H. Ownley, N. Labbé, J.J. Bozell, W.E. Klingeman, E.K. Batson, and K.D. Gwinn. 2019. *Sciadopitys verticillata* resin: Volatile components and impact on plant pathogenic and foodborne bacteria. *Molecules* 24(20): 3767. <https://doi.org/10.3390/molecules24203767>
28. Chahal, K., R. Gazis, W. Klingeman¹, D. Hadziabdic, P. Lambdin, J. Grant, and M. Windham. 2019. Assessing alternative candidate subcortical insect vectors from walnut crowns in habitats quarantined for thousand cankers disease. *Environmental Entomology* 48(4): 882-893. <https://doi.org/10.1093/ee/nvz064>
29. Seybold, S. J., W. E. Klingeman III, S. M. Hinushima, T. W. Coleman, and A.D. Graves. 2019. Status and impact of walnut twig beetle in urban forests, native forests, and orchards. *J. Forestry* 117(2): 152-163. <https://doi.org/10.1093/jofore/fvy081>.
30. Klingeman, W.E., E.C. Bernard, S.L. Boggess, G.M. Pietsch, D. Hadziabdic and R.N. Trigiano. 2019. First report of honeysuckle leaf blight on Amur honeysuckle (*Lonicera maackii*) caused by *Insolibasidium deformans* in Tennessee. *Plant Disease*. 103(4): 772 <https://doi.org/10.1094/PDIS-10-18-1712-PDN>
31. Pothula, R., D. Shirley, O.P. Perera, W.E. Klingeman; H.M.Y. Abd-Elgaffar; B.R. Johnson, and J.L. Jurat-Fuentes. 2019. The digestive system in *Zygentoma* as a model for high cellulase activity. *PlosOne*: 14(2): e0212505. <https://doi.org/10.1371/journal.pone.0212505>.
32. Klingeman W.E., E.C. Bernard, S.L. Boggess, G.M. Pietsch, and R.N. Trigiano. 2018. First report of powdery mildew on mountain-mints (*Pycnanthemum* sp.) caused by *Golovinomyces monardae* in the United States. *Plant Disease*: 1849. <https://apsjournals.apsnet.org/doi/pdf/10.1094/PDIS-01-18-0185-PDN>
33. Pivar, R.J., L.C. Pinho, W.E. Klingeman, J.K. Moulton, and B.J. Sinclair. 2018. A new genus and the first record of the family Thaumaleidae (Diptera) from Brazil. *Canadian Entomologist* 150(4): 481-494. <https://doi.org/10.4039/tce.2018.29>
34. Brand, P., H.M., Robertson, W. Lin, R. Pothula, W E. Klingeman, J.L. Jurat-Fuentes, B.R. Johnson. 2018. The origin of the odorant receptor gene family in insects. *eLife* 7:e38340 DOI: [10.7554/eLife.38340](https://doi.org/10.7554/eLife.38340)

35. Yeary, W., A. Fulcher, W. Klingeman, H. Zhu, and J. Grant. 2018. Spray penetration and natural enemy survival into dense and sparse canopies treated with carbaryl: implications for conventional and biological control. *Journal of Environmental Horticulture*: 36(1): 21-29.
36. Gazis, R., L. Poplawski, W. Klingeman, S. Boggess, R. Trigiano, A. Graves, S. Seybold, and D. Hadziabdic. 2018. Mycobiota associated with insect galleries in walnut with thousand cankers disease reveals a potential natural enemy against *Geosmithia morbida*. *Fungal Biology* 122: 241-253. <https://doi:10.1016/j.funbio.2018.01.005>
37. Blood, B.L., M.A. Paschen, W.E. Klingeman, D. Hadziabdic, J.J. Couture, and M.D. Ginzel. 2018. Behavioral responses of *Pityophthorus juglandis* (Coleoptera: Curculionidae: Scolytinae) to volatiles of black walnut and *Geosmithia morbida*, the causal agent of Thousand Cankers Disease. *Environmental Entomology* 47(2): 412-421. <http://doi:10.1093/ee/nvx194>.
38. Oren E., W.E. Klingeman, R. Gazis, J. Moulton, P. Lambdin, M. Coggeshall, J. Hulcr, S.J. Seybold, and D. Hadziabdic. 2018. A novel molecular toolkit for rapid detection of the pathogen and primary vector of thousand cankers disease. *PLoS ONE* 13(1): e0185087. <https://doi.org/10.1371/journal.pone.0185087>
39. Klingeman, W.E., E.C. Bernard, S.L. Boggess, G.M. Pietsch, J.T. Brosnan, and R.N. Trigiano. 2018. First report of powdery mildew on rescuegrass (*Bromus catharticus*) caused by *Blumeria graminis* in Tennessee. *Plant Disease* 102(2): 449. <http://doi.org/10.1094/PDIS-08-17-1175-PDN>
40. Fulcher, A., A.V. LeBude, S.A. White, M. Chappell, S.C. Marble, J.-H. Chong, W. Dunwell, F. Hale, W. Klingeman, G. Knox, J. Derr, S.K. Braman, N. Gauthier, A. Dale, F. Peduto Hand, J. Williams-Woodward, and S. Frank. 2017. Advancing IPM Adoption and Achieving Extension Impact: A Working Group Success Story. *HortTechnology* 27: 759-764. <http://horttech.ashspublications.org/content/27/6/759.full>
41. LeBude, A.V., A. Fulcher, J.-J. Dubois, S.K. Braman, M. Chappell, J.-H (J.C.) Chong, J. Derr, N. Gauthier, F. Hale, W. Klingeman, G. Knox, J. Neal, and A. S. Windham. 2017. Experiential Nursery IPM Workshop Series to Enhance Grower Practice Adoption. *HortTechnology* 27: 772-781. <http://horttech.ashspublications.org/content/27/6/772.full>
42. Klingeman, W.E., A.M. Bray, J.B. Oliver, C.M. Ranger, and D.E. Palmquist. 2017. Trap style, bait, and height deployments in black walnut tree canopies help inform monitoring strategies for bark and ambrosia beetles (Coleoptera: Curculionidae: Scolytinae). *Environmental Entomology* 46(5): 1120-1129. <https://doi.org/10.1093/ee/nvx133>
43. Klingeman, W.E., N.N. Youssef, J.B. Oliver and J.P. Basham. 2017. The Longhorned Beetles (Coleoptera: Cerambycidae) of Tennessee: Distribution, seasonal adult activity and new state records. *Florida Entomologist* 100(2): 292-302 <http://journals.fcla.edu/flaent/article/view/88416/100409>

Supplemental Data: Table 3 (26 pp.) & Suppl. Figs 1-231 (17 pp.)

<http://journals.fcla.edu/flaent/article/view/88416/100410>

44. Audley, J. W.E. Klingeman, A. Mayfield III, S. Meyers and A. Taylor. 2017. *Pityophthorus juglandis* (Coleoptera: Curculionidae: Scolytinae) colonization of *Juglans nigra* nursery trees. Journal of Insect Science 17(3): 1-9. DOI: <http://doi:10.1093/jisesa/iex046>.
45. Daniels, D.A., R.J. Lord, K.A. Nix, P.A. Wadl, L.M. Vito, G.J. Wiggins, M.T. Windham, B.H. Ownley, P.L. Lambdin, J.F. Grant, P. Merten, W.E. Klingeman, D. Hadziabdic. 2016. Thousand Cankers Disease Complex: A forest health issue that threatens *Juglans* species across the U.S. Forests 7(260): doi:10.3390/f7110260.
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Non-Refereed Journal Publications

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3. Klingeman, W. E. 2005. Book Review: Garden Insects of North America. *Amer. Entomologist* 50(4): 241-243.
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Last 5 Years Total = 3; Career Total = 18

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<https://utia.tennessee.edu/publications/wp-content/uploads/sites/269/2023/10/PB1621-S.pdf>
16. Klingeman, W. E. 2008. Integrated Pest Management Strategies for Landscape and Garden. Tennessee Master Gardener Handbook. *In*: Babbit, B. [ed.], Agric. Ext. Serv., The University of Tennessee.
17. Vail, K., F. Hale, and W. Klingeman. 2001. Boxelder Bugs and Red-Shouldered Bugs. UT-Agric. Ext. Pub. No. SP341-H.
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University of Tennessee Institute of Agriculture Experiment Station Publications

1. Fulcher, A., F. A. Hale, W. E. Klingeman, and A. S. Windham. 2012. Mobile app: IPM Pro, *In*: 2012 UT Turf and Ornamental Field Day Proceedings. UT AgResearch and UT Extension.
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4. Robinson, D. K., S. Garton, W. E. Klingeman, and G. L. McDaniel. 2003. Daylily Production and Landscape Care: A Planned Approach to Weed Management.
5. Robinson, D. K., S. Garton, W. E. Klingeman, and G. L. McDaniel. 2003. Herbicide Options for Daylily Production and Landscape Care.
6. Gardner, J. G., D. B. Eastwood, J. R. Brooker, J. B. Riley, and W. E. Klingeman. 2002. Consumers' Willingness-to-Pay for Flowering Dogwoods that are Resistant to Powdery Mildew. UTIA Agric. Econ. Res. Ser. 02-02.
7. Klingeman, W. E., J. R. Brooker, D. B. Eastwood, B. K. Behe, J. B. Riley, and P. Knight. 2001. Consumer perceptions of Landscape Characteristics, Disease and Pest Problems, and the Value of Powdery Mildew Resistant Flowering Dogwoods. UTIA Agric. Econ. Res. Ser. 07-01.

Commodity Crop Profiles and Pest Management Strategic Plans

1. Frank, S.D. (Ed.), K.M. Adesso, A.D. Ali, P. Anderson, J. Beale, J. Calabro, Z. Cheng, J-H Chong, A. Dale, E. Day, W. Dunwell, B. Fair, F.A. Hale, D. Held, D. Herms, J. Iles, L.J. Iles, L. Rieske-Kinney, W. Klingeman, M. Raupp, E. Rebek, L. Reid, C. Sadof, and D. Smitley. 2018. Key Pests and IPM Research and Extension Priorities for Urban Trees in the Eastern US. SR IPM Center Crop Profile: Urban Trees.
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<https://ipmdata.ipmcenters.org/documents/pmsps/SNIPMnurserycrops2015.pdf>
3. Mizell, R., G. Knox, P. Knight, C. Gilliam, S. Arthurs, R. Austin, H. Baldwin, D. Batson, D. Boyd Jr., A. Bolques, K. Braman, C. Coker, Y. Chen, P. Cuevas, M. Cuevas, M. Czarnota, J. DeMott, J. Dobbs, V. Donnan, G. Fain, D. Fare, M. Faver, T. Friday, A. Fulcher, J. Funderburk, S. Gmeiner, G. Hackney, A. Hagan, F. Hale, J. Hayes, J. Hendrix, J. Horng, W. Klingeman, M. Gu, M. Halcomb, W. Hudson, R. Humphries, C. Kinard, G. Kirker, S. Ludwig, J. Marshall, F. May, W. McLaurin, P. Miller, T. Mitchell, G. Niu, J. Norcini, J. Oliver, B. Posadas, N. Rechcigl, T. Rinehart, C. Robacker, P. Schultz, B. Simpson, R. Story, K. Tilt, S. Webb, R. Webb, K. Whitley. 2011. Woody Ornamental and Landscape Plant production and pest management innovation strategic plan.
<http://www.ipmcenters.org/pmsp/pdf/NurseLandscapeSouth.pdf>
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5. Adkins, C., G. Armel, M. Chappell, J.C. Chong, S. Frank, A. Fulcher, F.A. Hale, W.E. Klingeman, K. Ivors, A.V. LeBude, J. Neal, A. Senesac, S. White, J. Williams-Woodward, and A. Windham. 2010. Crop profile on container and field production nursery crops in GA, KY, NC, SC, and TN. Southern Nursery IPM Working Group. 153 pp.
<http://www.ipmcenters.org/cropprofiles/docs/GA-KY-NC-SC-TNnurserycrops.pdf>

Invention Disclosures and Patent Applications

1. Hadziabdic-Guerry, D., S. Boggess, W. E. Klingeman, T. L. Stackhouse, R. N. Trigiano. 2019. Fast and efficient method to detect thousand cankers disease. UTRF 19114.
2. Fulcher, A., J.-H. (JC) Chong, S.A. White, J. Williams-Woodward, C. Adkins, K. Braman, M. Chappell, J. Derr, W. Dunwell, S. Frank, S. Gill, F. Hale, W. Klingeman, A. LeBude, J. Neal, K. Rane and A. Windham. 2012. *IPMPro* App. Android and iPhone, iPod Touch, and iPad-compatible Green Industry app on major pests and plant care practices.
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4. Fulcher, A., W.E. Klingeman, A. Windham and F. Hale. 2011. An iPhone App for Nursery and Landscape IPM, UTRF Invention Disclosure, Knoxville, TN. *11/14/2011*
5. Jurat-Fuentes, J-L., W.E. Klingeman, C.J. Oppert, and B. Oppert. 2009. Novel cellulases from Lepismatidae and applications for biofuel production. UT Res. Found. Invention Disclosure.
6. Armel, G.A., W.E. Klingeman, and W.E. Hart. 2009. A method for use and delivery of cryogenic liquids for management of undesirable plants. UT Res. Found. Invention Disclosure.
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8. Klingeman, W.E. and F. Chen. 2008. A new approach for ornamental plant labeling and sales display literature that will enhance product promotion and recognition. UT Res. Found. Invention Disclosure Form, 5 pp.

Presentations at Professional Meetings with Published Abstracts

Last 5 Years Total = 17; Career Total = 88

1. Ony, M.A., G. Pietsch, M.L. Sakalidis, D.F. Gomez, W.E. Klingeman, M. Staton, and D. Hadziabdic. 2024. Molecular detection of oak wilt pathogen by pairing TaqMan probes with an inexpensive blue flashlight. Proceedings of the 2024 International Oak Symposium, Knoxville, TN (7-10 October 2024). General Technical Report SRS-279 (p. 122), Southern Research Station, USDA-Forest Service.

2. Pietsch, G.M., M.A. Ony, D.F. Gomez, J.K. Moulton, D. Hadziabdic, E. Davis, and W.E. Klingeman, 2024. Putting a new spin on an old disease: using molecular tools to identify beetles carrying spores from the oak wilt fungus in Gillespie County, Texas, USA. Proceedings of the 2024 International Oak Symposium, Knoxville, TN (7-10 October 2024). General Technical Report SRS-279 (pp. 125-127), Southern Research Station, USDA-Forest Service.
3. Hadziabdic, D., M.A. Ony, A.J. Onufrak, M. Sakalidis, M. Cregger, A. Taylor, M.D. Ginzal, W.E. Klingeman, and M. Staton. 2024. Dual RNAseq analyses of the oak wilt disease complex: unraveling the silent battles of oak hosts against the fungal pathogen *Bretziella fagacearum*. 26th IUFRO World Congress in Stockholm, Sweden (27-30 June 2024).
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88. Ashburn, D. R., Klingeman, W. E., Windham, A. S., Canaday, C. H., Windham, M. T. 2001. Frequency and location of isolation of *Seiridium* sp. and *Botryosphaeria* sp. on Leyland Cypress in Tennessee. Proc. 93rd Ann. Meet. Amer. Phytopathological Soc., Salt Lake City, UT. 25-29 August 2001.

Presentations at Professional Meetings without Published Abstracts

Last 5 Years Total = 32; Career Total = 96

- Pietsch, G.M., M.A. Ony, D.F. Gomez, J.K. Moulton, D. Hadziabdic, E. Davis, and W.E. Klingeman. 2024. Fungal (Place) Mats for Messy Eaters: Screening Sap Beetle Species from an Oak Wilt Epicenter in the Lone Star State to Detect Seasonal Presence of *Bretziella fagacearum* DNA. 23rd Ornamental Pest and Plant Disease Workshop, Raleigh, NC, 10/x - 21/2024.
- Ony, M.A., G. Pietsch, M.L. Sakalidis, K. Chahal, P.P. Parra, L.A. Miles, D.F. Gomez, M.D. Ginzler, R.N. Trigiano, M. Cregger, W.E. Klingeman, M. Staton, and D. Hadziabdic. 2024. "Ender" Reveal for Dying Red Oaks: Using TaqMan Probes and an Inexpensive Blue-flashlight to Diagnose the Oak Wilt Pathogen. 23rd Ornamental Pest and Plant Disease Workshop, Raleigh, NC, 10/x - 21/2024.
- Gonzalez Murillo, A., J. K. Moulton, K. Adesso, C. Kron, C. G. Gonçalves, B. Zoller, and W. E. Klingeman. "Peering" Adult Flatheaded Borer Genome Resources with Morphology to Diagnose a Novel Plant Niche-Larval Pest Interaction. 23rd Ornamental Pest and Plant Disease Workshop, Raleigh, NC, 10/x - 21/2024.
- Niece, I.S., J.E. Beever, S.J. Moisa, R.N. Trigiano, K.D. Gwinn, W.E. Klingeman, M.E. Staton, and M. Nowicki. New resources for understanding old pathogens: Lessons using *Discula destructiva*, the causal agent of dogwood anthracnose. North American Forest Genetics Society (NAFGS) Conference, Oaxaca, MEX (June 2024). Poster Presentation.
- Pokhrel, A., S. Boggess, W. Klingeman, D. Coyle, R. Trigiano, D. Hadziabdic, and M. Nowicki. 2024. Assessing the genetic diversity of *Pyrus calleryana* using mitochondrial microsatellite markers. USDA Interagency Forum on Invasive Species, Annapolis, MD, USA (Jan. 2024).
- Gonzalez Murillo, A.*, J.K. Moulton, K. Lamour, K. Adesso, J. Basham, & W.E. Klingeman. 2023. Screening and identification of associated endosymbiotic bacteria in *Chrysobothris* genus and closely related metallic woodboring beetles (Coleoptera: Buprestidae). 50th Tennessee Entomological Society Annual Meeting, McMinnville, TN, 9-10 October 2023. Oral presentation.
- Ony, M.A, S.L. Boggess, G. Pietsch, P. Parra, R. Gazis, M.D. Ginzler, R.N. Trigiano, W.E. Klingeman, M. Staton, and D. Hadziabdic. 2023. Molecular detection of laurel wilt pathogen by pairing TaqMan probes with an inexpensive blue flashlight. Ann. Meeting of the Amer. Phytopathol. Soc. (APS). Denver, CO, 13-16 August 2023. Poster presentation.

8. Gazis, R., M. Navia-Urrutia, C. Sendoya, M. Ony, W.E. Klingeman, and D. Hadziabdic-Guerry. 2023. Practical Applications in Pathogen Detection: Strategies and progress of a sensitive surveillance tool for detecting the Laurel Wilt pathogen. Ann. Meeting of the Amer. Phytopathol. Soc. (APS). Denver, CO, 13-16 August 2023. *Oral presentation.*
9. Lenser, D., D. Coyle, D. Hadziabdic, M. Nowicki, W. Klingeman, B. Pearson, and J. Hartshorn. 2023. Remote sensing and predictive modeling of the invasive Callery pear tree. 31st USDA Interagency Forum on Invasive Species, Annapolis, MD. 10-13 January 2023 (poster).
10. Onufrak, A., G. Pietsch, W. Klingeman, D. Klingeman, A. Carrell, M. Cregger, M. Ginzel, and D. Hadziabdic. 2023. Pesticide application causes changes in gene expression of thousand cankers disease host and pathogen. Internat. Congress Plant Pathology (ICPP), Development of Molecular Diagnostic Tools for Plant Pathogens in a Globalizing World, 20-25 August 2023. Lyon, France, Presentation #P3.1-046.
11. Gazis, R., M. Navia-Urrutia, C. Sendoya, M.A. Ony, W.E. Klingeman, and D. Hadziabdic. 2023. Practical Applications in Pathogen Detection: Strategies and progress of a sensitive surveillance tool for detecting the Laurel Wilt pathogen. Internat. Congress Plant Pathology (ICPP), Development of Molecular Diagnostic Tools for Plant Pathogens in a Globalizing World, 20-25 August 2023. Lyon, France, Presentation #P4.2-014.
12. Hadziabdic, D., R. Gazis, M. Ony, W. Klingeman, and A. Graves. 2023. The Travails of Troublesome Travelers: Distribution of thousand cankers disease complex members into expanded ranges alters the genetic signatures of their populations. Internat. Congress Plant Pathology (ICPP), Development of Molecular Diagnostic Tools for Plant Pathogens in a Globalizing World, 20-25 August 2023. Lyon, France, Presentation #P5.3-022.
13. Sapkota, S., S. L. Boggess, R. N. Trigiano, W. E. Klingeman, D. Hadziabdic, D. R. Coyle, S. A. Conrad, A. Pokhrel, and M. Nowicki. 2023. Forest invasions: The brutal paradigm of the Bradford pear. 37th meeting of the Southern Forest Tree Improvement Conference (SFTIC), Knoxville, TN. 20-23 June 2023.
14. Onufrak, A., G. Pietsch, W. Klingeman, D. Klingeman, A. Carrell, M. Cregger, M. Ginzel, and D. Hadziabdic. 2023. Peeking behind the spray curtain to learn what happens to plant and pathogen molecular machinery. 37th meeting of the Southern Forest Tree Improvement Conference (SFTIC), Knoxville, TN. 20-23 June 2023.
15. Mattarazzo, E., S. Boggess, A. Onufrak, W. Klingeman, and D. Hadziabdic. 2023. Stronger weapons in the war against Thousand Cankers Disease: Determining the most effective concentration of PHOSPHO-jet™ for disease management. APS. Denver, CO 13-16 August 2023. *Poster.*
16. Holdridge, D., E. Mattarazzo, C. Richards, J. Kosiewska, L.I. Perez Onate, S. Boggess, M. Odoi, A. Onufrak, M. Ony, Z. Smith, W. Klingeman, and D. Hadziabdic. 2023. From barracks to biology: Promoting veteran involvement in undergraduate research. APS. Denver, CO 13-16 August 2023. *Poster.*

17. Mattarazzo, E., S. Boggess, A. Onufrak, W. Klingeman, and D. Hadziabdic. 2023. Stronger weapons in the war against Thousand Cankers Disease: Determining the most effective concentration of PHOSPHO-jet™ for disease management. *EURECA*. 25 Apr. 2023. (Won HCA Award of Excellence for Undergraduate Research).
18. Gonzalez Murillo, A.* and W. Klingeman (with J.K. Moulton, B. Olukolu, K. Lamour, K. Adesso, J. P. Basham, J. Rijal, P. Baker, and J.C. Chong). 2023. "What's in the Mix?" Morphological and genetic information from flatheaded borers in funnel trap and, can assist in differentiating *Chrysobothris femorata* species group members, related taxa, and bycatch specimens. Pacific Branch ESA Meeting, Seattle, WA, 3-5 April 2023, (Symposium Oral Presentation).
19. Gonzalez Murillo, A.*, J.K. Moulton, B. Olukolu, R. de Moya, K. Lamour, K. Adesso, J. P. Basham, J. Rijal, and W. Klingeman. 2023. Early progress in establishing phylogenetic relationships between *Chrysobothris* species (Coleoptera: Buprestidae) using Next Generation and reduced-representation sequencing. SE Branch ESA Meeting, Little Rock, AR, 12-15 March 2023, (Student Poster Competition: #158668; Won 2nd Place PhD Oral Competition).
20. Aubree Morrison, A.**, J. Oliver, K. Adesso, C. Perkovich, W. Klingeman, N. Youssef, C. King, and G. Roper. 2023. Effects of vegetation damage treatments and their timings on Buprestidae attraction to traps. SE Branch ESA Meeting, Little Rock, AR, 12-15 March 2023, (Student Poster Competition: #158812).
21. Boggess, Sarah L.; Stackhouse, Tammy; Klingeman, William E.; Ginzel, Matthew D.; Gazis, Romina; Para, Pedro Pablo; Ony, Meher; Staton, Meg; Taylor, Adam; Piestch, Grace M.; Hadziabdic, Denita. 2022. A (Mobile) Armchair Quarterback's Sneaky Playbook: Employing molecular tools to diagnose plant pathogens. International Union of Forest Resesaerch Organizations (IUFRO), Division 7 (Forest Health, Pathology, and Entomology) Conference. 6-9 September 2022. Lisbon, Portugal.
22. Gonzalez Murillo, A.*, K. Moulton, B. Olukolu, R. de Moya, K. Lamour, K. Adesso, J.P. Basham, J. Rijal, and W. Klingeman. 2022. Next-Generation and reduced-representation sequencing to establish phylogenetic relationships between *Chrysobothris* species (Coleoptera: Buprestidae). Entomological Society Annual Meeting. Vancouver, BC CAN, 13-17 November 2022.
23. Morrison, A., K. Adesso, A. Witcher, C. Perkovich, W. Klingeman & J. B. Oliver. 2022. Phenology of flatheaded borer developmental stages in red maple nursery crops. TSU Research Symposium, Nashville, TN.
24. Sawyer, T., I. di Tomassi, B. Kapoor, A. Onufrak, W. Klingeman, M. Staton, J. DeBruyn, M. Cregger, and D. Hadziabdic. 2022. Getting to the Core: 33 constituents identified as the core microbiome of *Cornus florida*. Bioinformatics, Genetics, and Genomics Data REEU Symposium. July 23 2022, UT Knoxville, TN.
25. Hadziabdic, D., R. Gazis, W. Klingeman, A. Graves, M. Ony, A. Babnjac, and S. Emrich. 2022. Spatial genetic structure and coevolution patterns of a beetle-fungal system in the thousand cankers disease complex. International Union of Forest Resesaerch Organizations (IUFRO), 7th IUFRO International Workshop on the Genetics of Tree-Parasite Interactions in Forestry. 12-16 September 2022. Galicia, Spain.

26. Boggess, S., D. Hadziabdic, R. Trigiano, T. Stackhouse, W. E. Klingeman, Matthew D. Ginzel. 2021. The Color of the Light at the End of the Tunnel: TaqMan Probes Reveal Molecular Detection Test Results for Thousand Cankers Disease. *Ann. Phytopathol. Soc. Aug. 2021* (Virtual Poster)
27. Onufrak A., G. Pietsch, M. Cregger, J. DeBruyn, M. Ginzel, W. Klingeman, and D. Hadziabdic. 2021. Examining shifts in root microbiome of *Juglans nigra* in response to infection by *Geosmithia morbida*, the fungal pathogen in Thousand Cankers Disease. American Phytopathological Society Virtual Conference *Aug. 2021*. (Virtual Poster).
28. Onufrak A., G. Williams, W. Klingeman, M. Cregger, D. Klingeman, J. DeBruyn, M. Ginzel, and D. Hadziabdic. 2021 Variation in *Juglans nigra* phytobiome driven by geographic and host genotypic variation has implications on Thousand Cankers Disease severity. Forest Genetics Student Symposium - Virtual Conference *May. 2021*. (Virtual Poster).
29. Sapkota, S., S. L. Boggess, D. R. Coyle, W. E. Klingeman, D. Hadziabdic Guerry, B. Olukolu, R. Kuster, R.N. Trigiano, M. Nowicki. 2020. Evaluation of genetic diversity of Asian callery pear, *Pyrus calleryana*. 30th USDA Interagency Research Forum on Invasive Species, *14-17 Jan. 2020*, Annapolis, MD.
30. Onufrak, A., G. Williams, M. Cregger, J. Debruyn, M. Ginzel, W. Klingeman, and D. Hadziabdic. 2020. Walnut phytobiome. UTK One Health Microbiome Group. *October 29, 2020*.
31. Onufrak, A., G. Williams, M. Cregger, J. Debruyn, M. Ginzel, W. Klingeman, and D. Hadziabdic. 2020. Regional variability in the phytobiome of *Juglans nigra* and its potential role in regulating the severity of Thousand Cankers Disease. *UTK One Health Day Virtual Seminar*. November 3, 2020.
32. Kapoor, B., A. Onufrak, W. Klingeman, J. DeBruyn, M. Cregger, E. Willcox, R. Trigiano, and D. Hadziabdic. 2020. Flowering dogwoods under fire: Responses of the microbiome under prescribed burn management. The American Phytopathological Society Southern Division Meeting, Charleston, SC (*February 2020*). Oral Presentation.
33. Onufrak, A., G. Williams, J. DeBruyn, M. Cregger, W. Klingeman, M. Ginzel, and D. Hadziabdic. 2020. Bacterial communities associated with *Juglans nigra* significantly differ between the tree's native and introduced ranges. The American Phytopathological Society Southern Division Meeting, Charleston, SC (*February 2020*). Oral Presentation.
34. Onufrak, A., E. Oren, R. Gazis, W. Klingeman, M. Faccoli, K. Chahal, M. Windham, M. Ginzel, and D. Hadziabdic. 2019. Unwelcomed stowaways and their role in thousand cankers disease spread. Mid-Atlantic States Mycological Conference, *12-14 April 2019*, UT-Knoxville.
35. Stackhouse, T., E. Oren, S. Boggess, M. Ginzel, D. Hadziabdic, R. Trigiano, and W. Klingeman. 2019. An enhanced strategy for molecular detection of thousand cankers disease. Mid-Atlantic States Mycological Conference, *12-14 April 2019*, UT-Knoxville.
36. Oren, E., W. Klingeman, J. Moulton, P. Lambdin, M. Faccoli, and D. Hadziabdic. 2019. Is "Travel" in *Pityophthorus juglandis*' Genes? What SSRs reveal about USA versus European populations. Molecular Plant Protection Congress, Adana, Turkey. *2-10 Aug. 2019*

37. Klingeman, W.E.*, D. Hadziabdic, R. Gazis, E. Oren, M. Ginzel, B. Blood, M. Windham, K. Chahal, J. Juzwik, et al. 2018. Things we know and what we still don't know: TCD and Walnut twig beetle research in Tennessee at the 7-year mark. 21st Ornamental Entomology and Plant Pathology Workshop, Hendersonville, NC, 8-11 Oct. 2018. (*Invited Presentation)
38. Oren, E., W. Klingeman, R. Gazis, J. K. Moulton, P. Lambdin, M. Faccoli, M. Coggeshall, J. Hulcr, S. Seybold, and D. Hadziabdic. 2018. A collaborative research approach for diagnosing and evaluating Thousand Cankers Disease in walnut: Current progress and future directions. IUFRO - 6th International Workshop on the Genetics of Tree-Parasite Interactions, Mt. Sterling, OH. 2-10 Aug. 2018. (Poster presentation).
39. Hadziabdic, D. (with R. Gazis, E. Oren, D. Hadziabdic, J. Juzwik, M. Ginzel, M. Coggeshall, S. Seybold, A. Graves, and W. Klingeman). 2017. The things we know and don't know about what we don't know about TCD. Thousand Cankers Disease Research and Management Operational Meeting. Lafayette, IN, 13-15 June 2017.
40. Ginzel, M. (with B. Blood, M. A. Paschen, J. Juzwik, D. Hadziabdic and W. Klingeman). 2017. Behavioral responses of *Pityophthorus juglandis* (Coleoptera: Curculionidae: Scolytinae) to volatiles of black walnut and *Geosmithia morbida*, the causal agent of Thousand Cankers Disease. Thousand Cankers Disease Research and Management Operational Meeting. Lafayette, IN, 13-15 June 2017.
41. Blood, B., W. Klingeman, D. Hadziabdic, J. Juzwik and M. Ginzel. 2016. Attraction of adult walnut twig beetle to volatiles of black walnut and *Geosmithia morbida* – the causal agent of thousand cankers disease. 20th Ornamental Entomology and Plant Pathology Workshop, Hendersonville, NC, 24-27 October 2016.
42. Oren, E., R. Gazis, W. Klingeman, P. Lambdin, J. Moulton, M. Coggeshall, S. J. Seybold, and D. Hadziabdic. 2016. A Molecular Detection Resource for Rapid Diagnosis of Thousand Cankers Disease: Overcoming Challenges. 20th Ornamental Entomology and Plant Pathology Workshop, Hendersonville, NC, 24-27 October 2016.
43. Blood, B., D. Hadziabdic-Guerry, W. Klingeman, and M. Ginzel. 2016. Attraction of walnut twig beetle (*Pityophthorus juglandis*) to plant and fungal volatiles for improved monitoring and detection of Thousand Cankers Disease. 71st North Central Branch ESA Meeting, Cleveland, OH 5-8 June 2016.
44. Mallipeddi, R., W. Klingeman, M. Staton, B. Johnson, and J. L. Jurat-Fuentes. 2016. Differential cellulase gene expression in response to different cellulose diets in *Ctenolepisma longicaudata*. XXV International Congress of Entomology. Orlando, FL. Sept. 25-30, 2016.
<https://esa.confex.com/esa/ice2016/meetingapp.cgi/Paper/114864>
45. Oren, E., W. Klingeman, P. L. Lambdin, J. Moulton, M. Coggeshall, S. Seybold, and D. Hadziabdic. 2016. Rapid molecular detection of Thousand Cankers Disease. XXV International Congress of Entomology. Orlando, FL. Sept. 25-30, 2016.
<https://esa.confex.com/esa/ice2016/meetingapp.cgi/Paper/113092>

46. Youssef, N., J. B. Oliver, D. Fare, W. Klingeman, J. Francese, J. P. Basham, J. Lampley, D. Eskandarnia, and G. Roper. 2016. Buprestid and Cerambycid trapping: The progression of 13 years of trapping. XXV International Congress of Entomology. Orlando, FL. *Sept. 25-30, 2016.*
47. Gazis, R., L. Poplawski, S. Boggess, W. Klingeman, S. Seybold, A. Graves, and D. Hadziabdic. 2016. Diversity of fungal communities found in Thousand Cankers Disease-associated galleries and lesions. The Mycological Society of America, Berkeley, CA, *August 2016.*
48. Hadziabdic, D., R. Gazis, E. Oren, T. Edwards, and W. Klingeman. 2016. Invasive Pests Workshop: A Constant Threat to Our Trees - Thousand Cankers Disease detection using traditional and molecular approaches. Southern Chapter of International Association of Arboriculture, Knoxville, TN, *19 March 2016.*
49. Oren, E., D. Hadziabdic, NAME, and W.E. Klingeman. 2016. Rapid molecular detection of Thousand Cankers Disease of Walnut. 74th Annual Conference, International Society of Arboriculture (ISA) Southern Chapter, Knoxville, TN, *19-22 March, 2016.*
50. Mayfield, A., J. Audley, A. Taylor, R. Camp, B. Klingeman, L. Castrillo, J. Vandenberg, M. Griggs, S. Myers, P. Merten, S. Fraedrich, B. Mudder and A. Tait. 2016. Evaluating Potential Management Tools for the Walnut Twig Beetle. Southern Appalachian Forest Entomologist/ Pathologist Seminar. Crossnore, NC, *4 March 2016.*
51. Grant, J., M. Windham, A. Windham, F. Hale, D. Hadziabdic, E. Oren, and W.E. Klingeman. 2016. Invasive Pests: A Constant Threat to Our Trees. 74th Annual Conference, International Society of Arboriculture (ISA) Southern Chapter, *19-22 March 2016.* Knoxville, TN.
52. Klingeman, W.E. and D. Hadziabdic-Guerry. 2016. Trapping walnut twig beetles: 5 years of progress and perspectives in Tennessee. 74th Annual Conference, International Society of Arboriculture (ISA) Southern Chapter, *19-22 March 2016.* Knoxville, TN
53. Audley, J., A. Mayfield, W. Klingeman, S.W. Meyers, and A. Taylor. 2015. Assessment of walnut twig beetle (*Pityophthorus juglandis*) colonization of treated walnut logs and nursery stock saplings. 26th USDA Interagency Research Forum on Invasive Species. Annapolis, MD *1/13-16/2015.*
54. Audley, J. W. Klingeman, A. Mayfield, S.W. Meyers, and A. Taylor. 2014. Implications of thousand cankers disease for the nursery industry: are young black walnut trees at risk of attack by the walnut twig beetle (*Pityophthorus juglandis*)? Ann. Meeting Entomol. Soc. Amer. *11/16-19/2014.*
55. McDermott-Kubeczko, J. Juzwik, M. Paschen, W.E. Klingeman, and M.D. Ginzal. 2014. Fungal and insect-associated branch damage of eastern black walnut in Indiana and Tennessee. 19th Workshop on Pests and Diseases of Ornamental Plants, Henderson, NC, *9/29-10/3/2014.*
56. Ginzal, M., M. Paschen, J. Juzwik, and W.E. Klingeman. 2014. Attraction of adult *Pityophthorus juglandis* to volatiles of girdled black walnut and *Geosmithia moribida* – the causal agent of Thousand Cankers Disease. 19th Workshop on Pests and Diseases of Ornamental Plants, Henderson, NC, *9/29-10/3/2014.*

57. Klingeman, W.E., A. Fulcher, J.-H. (JC) Chong, S. White, J. Williams-Woodward, J. Neal, J. Derr, M. Chappell, A. LeBude, F. Hale, A. Windham, S.D. Frank, S.K. Braman, W. Dunwell, C. Adkins, S. Gill, and K. Rane. 2012. *IPMPro*: A mobile App for pest, plant disease and weed management in mid and southern U.S. ornamental plant nurseries and landscapes. Ann. Meet. Entomol. Soc. Amer. 11/11-14/2012.
58. Bray, A., W.E. Klingeman, J. Juzwik, S. Reed, J.B. Oliver, N.N. Youssef, P. Lambdin, and K. Nix. 2012. Evaluation of trapping methods for walnut twig beetle (*Pityophthorus juglandis*) in east Tennessee. Ann. Meet. Entomol. Soc. Amer. 11/11-14/2012.
59. Dallara, P.L., A.M. Bray, L.J. Nelson, W.E. Klingeman, J.B. Oliver, and Seybold, S. 2012. Comparative flight responses of the walnut twig beetle (*Pityophthorus juglandis*) and associated insects to varying release rates of aggregation pheromone and host volatiles in California and Tennessee. Ann. Meet. Entomol. Soc. Amer. 11/11-14/2012.
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61. Abdelkarim, M., B.H. Ownley, W.E. Klingeman, and K.D. Gwinn. 2011. Effect of arbuscular mycorrhizae on aphid infestation of wheat. Ann. Meet. Amer. Pathol. Soc. 8/10-14/2011.
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63. Youssef, N.N., J.B. Oliver, J.P. Basham and W.E. Klingeman. 2011. The cerambycids (Coleoptera) of middle and eastern Tennessee from trapping, rearing, net and hand collecting. Entomological Society Annual Meeting, 11/13-16/2011.
64. Shirley, D., C. Oppert, T. Reynolds, W.E. Klingeman, and J.L. Jurat-Fuentes. 2010. Functional characterization of an endoglucanase from *Tribolium castaneum* in *Saccharomyces cerevisiae*. Ann. Meet. Entomol. Soc. Amer.
65. Koepke-Hill, R.M., G.R. Armel, W.E. Klingeman, and J.J. Vargas. 2010. Defining invasive plants: the characterization of non-native plants sold in Tennessee. S. Weed Sci. Soc./Weed Sci. Soc. Amer. Ann. Meet., 9-12 Feb., Orlando, FL.
66. Hansen, J.A.*, W.E. Klingeman, J.K. Moulton, J.B. Oliver and M.T. Windham. 2010. Evolutionary relationships within the clearwing tribe Synanthedonini (Lepidoptera: Sesiidae). Michigan Entomological Society Annual Meeting, 6/26/2010.
67. Hansen, J.A.*, W.E. Klingeman, J.K. Moulton, J.B. Oliver, N. Youssef, J. Basham, M.T. Windham, and R.N. Trigiano. 2010. Trap data reveal seasonal flight activities of buprestid beetle species in TN. Kanuga Ornamental Pathology & Entomology Conference, 9/20-24/2010.

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69. Hansen, J.A.*, W.E. Klingeman, J.K. Moulton, J.B. Oliver and M.T. Windham. 2009. Buprestids and Sesiids of the Great Smoky Mountains National Park. Discover Life in America (DLIA) Annual Meeting, 12/20/2009, Gatlinburg, TN.
70. Hansen, J.A.*, W.E. Klingeman, J.K. Moulton, J.B. Oliver, M. Reding and M.T. Windham. 2008. Southeastern U.S. species of the *Chrysobothris femorata* complex (Coleoptera: Buprestidae): Difficulties reconciling morphology and genetics of an economically important pest. Kanuga Ornamental Pest & Disease Workshop, 9/22-26/2008.
71. Hansen, J.A.*, J.K. Moulton, W.E. Klingeman, J.B. Oliver, A. Zhang and M.T. Windham. 2008. Investigating species complexity within both dogwood and lilac/ash clearwing moth borer populations (Lepidoptera: Sesiidae). Kanuga Ornamental Pest & Disease Workshop, 9/22-26/2008.
72. Oppert, C., W. Klingeman, J. Willis, B. Oppert, and Juan L. Jurat-Fuentes. 2008. Screening urban and woodland arthropods for cellulolytic activity in digestive fluids. Kanuga Ornamental Pest & Disease Workshop, 9/22-26/2008.
73. Klingeman, W. E., F. Chen, H. J. Kim and P. C. Flanagan. 2007. Dogwood sawfly, *Macremphytus tarsatus* (Say) (Hymenoptera: Tenthredinidae) host preferences for *Cornus* species. Southeastern Branch Entomological Society of America, Knoxville, TN. 3/5-7/2007.
74. Powell, W.*, W. E. Klingeman, B. Ownley, K. Gwinn and P. C. Flanagan. 2007. Tomatoes with endophytic *Beauveria bassiana* yield mycosis in tomato fruitworm larvae. Southeastern Branch Entomological Society of America, Knoxville, TN. 3/5-7/2007.
75. Klingeman, W.E. and A. Taylor. 2006. Wood type and treatment differ in injury from prepupal behaviour of last instar dogwood sawflies, *Macremphytus tarsatus* (Hymenoptera: Tenthredinidae). Kanuga Ornamental Pathology and Entomology Conference. 9/25-29/2006.
76. Bergh, J.C., W.E. Klingeman, T.C. Leskey, A. Zhang, and J. Walgenbach. 2006. A novel pheromone lure monitors dogwood borer seasonal flight activity and relative abundance in EUS urban landscapes, apple orchards and woodlands. Kanuga Ornamental Pathology and Entomology Conference. 9/25-29/2006.
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78. Bergh, J.C., T.C. Leskey, A. Zhang, J. Walgenbach and W.E. Klingeman. 2005. Seasonal flight activity and relative abundance of dogwood borer (Lepidoptera: Sesiidae) in apple orchards, urban landscapes and woodlands. Annual Meeting Entomological Society of America. 11/6-9/2005.

79. Vaughn, C., W. Klingeman, F. Hale, and J. Grant. 2004. Clearwing Moth Attraction to Commercial Pheromone Lures and Colored Traps in East Tennessee. Kanuga Ornamental Pathology and Entomology Conference. *10/10-17/2004*.
80. Oliver, J., D. Fare, N. Youssef and W. E. Klingeman. 2004. A Survey Trap to Monitor Adult Flatheaded Borer Activity in Nurseries. 24th Ann. Tenn. St. Univ. Res. Sym. Proc. *4/6-8/2004*.
81. Vaughn, C., W. Klingeman, F. Hale, and J. Grant. 2004. Clearwing Moth Attraction to Commercial Pheromone Lures and Colored Traps in East Tennessee. Kanuga Ornamental Pathology and Entomology Conference. *10/10-17/2004*.
82. Oliver, J., D. Fare, N. Youssef and W. E. Klingeman. 2004. A Survey Trap to Monitor Adult Flatheaded Borer Activity in Nurseries. 24th Ann. Tenn. St. Univ. Res. Sym. Proc. *4/6-8/2004*.
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85. Ketchersid, D.* and W. E. Klingeman. 2003. Ornamental Host Influences Longevity and Fecundity of Whitefringed Beetles. 77th Ann. Meet. Southeastern Branch Entomol. Soc. Amer. *3/9-12/2003*
86. Ketchersid, D.* and W. E. Klingeman. 2002. Whitefringed Beetle Management Challenges for Nursery Production. 13th Annual Ornamental Workshop, Crossnore, NC. *10/14-18/2002*
87. Klingeman, W. E. 2002. Update on nursery production research at the University of Tennessee. Annual Meeting, SERA-IEG-27: "Nursery Crop and Landscape Systems", McMinnville, TN. *6/4-7/2002*
88. Klingeman, W. E. and P. C. Flanagan. 2001. "Bagworm preferences for ornamental and native maples". 75th Annual Southeastern Branch - Entomological Society of America Meeting: Ornamental Symposium, Augusta, GA. Display Presentation. *3/7/2001*
89. Klingeman, W. E. and P. C. Flanagan. 2001. "Consumer valuation of powdery mildew resistant flowering dogwoods". 75th Annual Southeastern Branch - Entomological Society of America Meeting: Ornamental Symposium, Augusta, GA. *3/7/2001*
90. Klingeman, W. E. 2001. "Update: Ornamental Production Entomology Research at the University of Tennessee". Annual Meeting of Southern Region Ornamental Entomologists, Ocoee, TN. *5/16-18/2001*
91. Klingeman, W. E. 2001. Update on nursery production research at the University of Tennessee. Annual Meeting, SERA-IEG-27: "Nursery Crop and Landscape Systems", Fort Worth, Texas. *6/13-16/2001*
92. Klingeman, W. E. 2001. Bagworm preferences vary among maples. Annual Meeting Entomological Society of America. San Diego, California. *12/9-12/2001*

93. Klingeman, W. E. 2000. Update on nursery production research at the University of Tennessee. Annual Meeting, SERA-IEG-27: "Nursery Crop and Landscape Systems", July 26-27, Apopka, FL.
94. Klingeman, W. E. 2000. "Bagworm preferences for ornamental and native maples". Ornamental Workshop, Crossnor, NC. 10/19/2000
95. Witte, W. T. and W. E. Klingeman. 1999. Update on nursery production research at the University of Tennessee. Annual Meeting, SERA-IEG-27: "Nursery Crop and Landscape Systems", U. S. National Arboretum in Washington D.C. 6/24-25/1999
96. Klingeman, W. E. 1999. Ornamental IPM Update at the University of Tennessee. Annual Meeting, SERA-IEG-103: "Southeastern Regional Ornamental IPM Working Group", State Botanical Gardens, Athens, GA. 5/25-26/1999

Presentations to Regional Research Committees:

1. Hadziabdic D., W. Klingeman, A. Gonzalez, M. Ony, and A. Onufrak. 2023. Plant Pathogens in the Cross-Hairs: An Update on Applied Research Approaches to Protecting Tennessee Tree Species. TN Dept. Agriculture Forestry & Consumer and Industry Serviced Division Forest Pathology Workshop. July 18, 2023 (22 participants).
2. Hadziabdic D. and W. Klingeman. 2023. Tennessee Forest Health Research Updates: Entomology and Plant Pathology. Forest Health Monitoring and Management in Tennessee Webinar. March 14, 2023 (32 participants).
3. Lenser, D., D. Coyle, D. Hadziabdic, M. Nowicki, W. Klingeman, B. Pearson, and J. Hartshorn. 2023. Remote sensing and predictive modeling of the invasive Callery pear tree. 31st USDA Interagency Forum on Invasive Species, Annapolis, MD. 10-13 January 2023 (poster).
4. Onufrak, A., G. Pietsch, W. Klingeman, D. Klingeman, A. Carrell, M. Cregger, M. Ginzel, and D. Hadziabdic. 2023. Peeking behind the spray curtain to learn what happens to plant and pathogen molecular machinery. *Internat. Congress Plant Pathology (ICPP), Development of Molecular Diagnostic Tools for Plant Pathogens in a Globalizing World 2023*.
5. Gazis, R., M. Navia-Urrutia, C. Sendoya, M.A. Ony, W.E. Klingeman, and D. Hadziabdic. 2023. Practical Applications in Pathogen Detection: Strategies and progress of a sensitive surveillance tool for detecting the Laurel Wilt pathogen. *Internat. Congress Plant Pathology (ICPP), Development of Molecular Diagnostic Tools for Plant Pathogens in a Globalizing World 2023*.
6. Hadziabdic, D., R. Gazis, M. Ony, W. Klingeman, and A. Graves. 2023. The Travails of Troublesome Travelers: Distribution of thousand cankers disease complex members into expanded ranges alters the genetic signatures of their populations. *Internat. Congress Plant Pathology (ICPP), Development of Molecular Diagnostic Tools for Plant Pathogens in a Globalizing World 2023*.
7. Ony, M., S.L. Boggess, G. M. Pietsch, P. Pablo Parra, R. Gazis, M.D. Ginzel, R.N. Trigiano, W. Klingeman, M. Staton, and Hadziabdic, D. 2022. Rapid molecular detection of the laurel wilt: TaqMan approach. UK Forest Pathology Webinar. 1 December 2022. (~80 attendees)

8. Onufrak, A., Grace Pietsch, Dawn Klingeman, Melissa Cregger, Jennifer DeBruyn, Matthew Ginzel, William Klingeman, and Denita Hadziabdic. 2022. Responses of *Juglans nigra* microbiome to *Geosmithia morbida* infection and candidate thousand cankers disease management strategies. American Phytopathological Society (APS) Forest Pathology Webinar. The Role of the Microbiome in Forest Disease, Regeneration, and Biodiversity. 11 October 2022. (~75 of attendees) <https://www.apsnet.org/edcenter/resources/Webinars/Pages/Microbiome-Part-I.aspx>
9. Hadziabdic, D., M. Ony M, and W. Klingeman. 2020. Laurel wilt advancing north. Current status of Laurel wilt research. Bark Beetle Mycobiome Research Consortium. Online Meeting, Zoom Conference, May 20, 2020. Oral Presentation (Invited. Presented by D. Hadziabdic). [http://www.bbmycobiome.org/wiki/index.php?title=Bark Beetle Mycobiome](http://www.bbmycobiome.org/wiki/index.php?title=Bark_Beetle_Mycobiome)
10. Gazis, R., P. Parra, K. Chahal, W. Klingeman, and D. Hadziabdic. 2020. Entomological Society of America Virtual Annual Meeting. Invited symposium: Fundamental Biology to Practical Management of Ambrosia Beetles in Horticultural Tree Agroecosystems. Using molecular techniques to monitor plant pathogenic fungi movement by bark and ambrosia beetles. (November 2020). Zoom presentation.
11. Onufrak, A., G. Williams, W. Klingeman W, M. Cregger, D. Klingeman, J. DeBruyn, M. Ginzel, and D. Hadziabdic. 2020. Management control strategies for Thousand Cankers Disease. Bark Beetle Mycobiome Research Consortium - From the lab to the orchard: Bridging the gap between basic and applied research on bark and ambrosia beetles. Zoom online conference (September 2020).
12. Hadziabdic, D., M. Ony, and W. Klingeman. 2020. Laurel wilt advancing north. Current status of Laurel wilt research. Bark Beetle Mycobiome Research Consortium. Zoom online conference (May 2020).
13. Klingeman, W., R. Gazis, K. Chahal, M. Windham, G. Pietsch, and D. Hadziabdic. 2019. Fungal phoresy on Tennessee beetles, *Pityophthorus juglandis*, other bark beetles, and an update on a preliminary survey in *Chrysobothris*, pp. 50-52. USDA-NIFA SCRI Project Planning Conference, Proceedings of the Flatheaded Borer Workshop, 1-2 July 2019, McMinnville, TN. <https://southernipm.org/partners/working-groups/wood-borers/flatheaded-borer/>
14. Oliver, J.B., K.M. Adesso, W. Klingeman, A. Dismukes, and N.N. Youssef. 2019. Tennessee nursery grower town hall meeting flatheaded borer results, pp. 57-61. USDA-NIFA SCRI Project Planning Conference, Proceedings of the Flatheaded Borer Workshop, 1-2 July 2019, McMinnville, TN. <https://southernipm.org/partners/working-groups/wood-borers/flatheaded-borer/>
15. Flatheaded Borer Workshop. 2019. Priorities and critical needs in flatheaded borer research and extension outreach identified from workshops and town hall meetings, pp. 64-67. USDA-NIFA SCRI Project Planning Conference, Proceedings of the Flatheaded Borer Workshop, 1-2 July 2019, McMinnville, TN. <https://southernipm.org/partners/working-groups/wood-borers/flatheaded-borer/>

16. Brice, C., B. Long, G. Pietsch, D. Hadziabdic, B. Haga, R. Gazis, S. Boggess, P. Anderson, and W. Klingeman. 2016. Climbing the food chain: Exploring a strategy to enhance thousand cankers disease monitoring. *UTK-OUR Discovery Day, 31 August 2016*.
17. Haga, B., W. Klingeman, B. Long, R. Gazis, and D. Hadziabdic. 2016. Pathogenicity and co-infection potential of two plant pathogenic fungi that may contribute to severity of thousand cankers disease in walnut. *UTK-OUR Discovery Day, 31 August 2016*.
18. Myers, S.W., J. Audley, A. Mayfield A. Taylor, and B. Klingeman. 2015. Thousand cankers disease mitigation. Eastern Plant Board 90th Annual Meeting. Portsmouth, NH, *6-9 April 2015*.
19. Bray, A., W.E. Klingeman, J.B. Oliver, J. Juzwik, S. Seybold, K. Nix, and P. Lambdin. 2012. Trap and lure development for monitoring walnut twig beetle. EAB/TCD 2nd Annual Workshop, Knoxville, TN. *11/15-16/2012*.
20. Bray, A., N. Youssef, W. Klingeman, and J. Oliver. 2012. Walnut twig beetle trap development: can it sniff out the tree? Tennessee State University 34th Annual University-Wide Research Symposium, 3/26-30/2012, Nashville, TN.
21. Bray, A., B. Klingeman, and J.B. Oliver. 2012. Update on walnut twig beetle trapping projects. Thousand Cankers Disease and Emerald Ash Borer Technical Committee, Knoxville, TN. *3/27/2012*.
22. Juzwik, J., S. Reed, M. Banik, and W.E. Klingeman. 2012. Use of trap trees to detect invasive pests and pathogens of walnut. 2012 Upper Midwest Invasive Species Conference to be held in LaCrosse, WI. *10/4/2012*.
23. Bray, A., W. Klingeman, J. Oliver, S. Reed, C. Ranger, N. Youssef, J. Grant, P. Lambdin, G. Haun, J. Keener, S. Ochieng, V. Mastro, M. Reding, P. Schultz, J. Moyseenko, and J. Basham. 2011 Walnut twig beetle trap/lure development. Conference on Thousand Cankers Disease and Emerald Ash Borer in the Eastern United States, Knoxville, TN *12/2011*.
24. Bray, A., J. Oliver, W. Klingeman, S. Reed, N. Youssef, G. Haun, J. Keener, J. Grant, P. Lambdin, C. Ranger, and J. Basham. 2011. Evaluation of ethanol injections and other methods to attract walnut twig beetle to traps. Middle Tennessee Nursery Association McMinnville, TN *9/2011*.
25. Oliver, J., A. Bray, W. Klingeman, S. Reed, N. Youssef, G. Haun, J. Keener, J. Grant, P. Lambdin, C. Ranger, S. Ochieng, V. Mastro, M. Reding, P. Schultz, J. Moyseenko, and J. Basham. 2011. Efforts to develop traps and lures for walnut twig beetle. USDA Forest Service Southern Region Forest Inventory and Analysis Unit, Knoxville, TN *9/2011*.
26. Bray, A., J. Oliver, W. Klingeman, S. Reed, N. Youssef, G. Haun, J. Keener, C. Ranger, and J. Basham. 2011. Evaluation of tree injections and other methods to attract walnut twig beetle to traps. Thousand Cankers Disease Workshop, Knoxville, TN *7/2011*.
27. Oppert, C., W. Klingeman, J. Willis, B. Oppert, and Juan L. Jurat-Fuentes. 2008. Screening for cellulolytic activity in insect digestive fluids. Sun Grant Initiative Strategic Planning Committee, *1/31/2008*.

Research Reports Submitted to Sponsors

1. Hadziabdic, D., W. Klingeman, M.A. Taylor, and Trigiano, R.N. (2023) Extending the reach of rapid diagnostics with detection tools for oak wilt and laurel wilt diseases in Urban Forests, USFS Grant Agreement No. 20-DG-11132544-030.
2. LeBude, A., K. Braman, N.W. Gauthier, J. Neal, M. Chappell, A. Fulcher, W. Klingeman III, J. Derr, G. Knox, C. Adkins, J.-H. Chong, W. Dunwell, S. Frank, F. Hale, S.A. White, J. Williams-Woodward, and A. Windham. 2015. NIFA-SRIPM, Final Report -- Experiential Nursery IPM Workshop Series to Enhance Grower Adoption and Extension Agent Facilitation. 6/23/2015.
3. Bray, A., W.E. Klingeman, J.B. Oliver, S. Reed, C. Ranger, N.N. Youssef, J. Grant, P. Lambdin, G. Haun, J. Keener, S. Ochieng, V. Mastro, M. Reding, P Schultz, J. Moyseenko, and J. Basham. 2011. Efforts to develop traps and lures for walnut twig beetle. TN Dept. Agric. and State Forestry Service Quarterly Regional Update, Knoxville, TN. 10/4/2011.
4. Klingeman, W.E. and P.C. Flanagan. 2009. Control of powdery mildew disease on flowering dogwood (*Cornus florida*) following treatment with select fungicide formulations, The Scotts Company, 4 pp.
5. Klingeman, W.E. and P.C. Flanagan. 2009. Ornamental phytotoxicity following treatment with novel insecticide formulations, The Scotts Company, 4 pp.

Presentations at Tennessee Agricultural Experiment Station & Sponsored Field Days

1. Hadziabdic, D. and W. Klingeman. 2023. Integrated Pest Management at the UT FRREC (*Flatheaded borers, other wood boring beetles & sap beetle trapping field tour*). UT Woods and Wildlife Field Day, 19 October 2023. (50 attendees)
2. Hadziabdic, D., W. Klingeman, and M. Ony. 2022. The intersection of trees, insects, and plant pathogens: Creative approaches for discovering hidden players and diagnosing the problems they present to our forests. UT Woods and Wildlife Field Day. 20 October 2022. (45 attendees)
3. Klingeman, W.E. 2017. New Resources for Nursery and Landscape IPM. Turf and Ornamental Field Day, ETREC, 7 September 2017.
4. Klingeman, W.E. 2016. Urban Landscape IPM: Monitoring Woodboring Beetle Diversity in Tennessee and Updates on Walnut Twig Beetle Research. Urban Forestry: Woods and Wildlife Field Day, FRREC, 14 October 2016.
5. Fulcher, A. W. Klingeman, and J. Vargas. 2014. "Improvements and new technology for managing pests of turf and ornamentals ", Turf & Ornamentals Field Day '14, Knoxville, TN. 9/11/2014
6. Fulcher, A., W. Klingeman, and P. Flanagan. 2014. "Pulp Fiction: Facts and fiction pertaining to managing ornamental pests", Turf & Ornamentals Field Day '14, Knoxville, TN. 9/11/2014
7. Klingeman, W.E. 2014. IPM Monitoring Techniques for TN Landscapes and Forests. Woods and Wildlife Field Day, UT Arboretum, Oak Ridge, TN 10/15/2014.

8. Elmore, M., J. Vargas, A. Fulcher, and W. Klingeman. 2013. "New technology for managing pests of turf and ornamentals ", Turf & Ornamentals Field Day '13, Knoxville, TN. *9/12/2013*
9. Fulcher, A., W. Klingeman, and P. Flanagan. 2013. "Pulp Fiction: Facts and fiction pertaining to managing ornamental pests", Turf & Ornamentals Field Day '13, Knoxville, TN. *9/12/2013*
10. Klingeman, W.E. and Fulcher, A.F. 2012. "Research update on TCD and IPM for ornamental plants ", Turf & Ornamentals Field Day '12, Knoxville, TN. *9/13/2012*
11. Klingeman, WE. 2012. "Strategies and Observations on IPM for Urban Landscapes in East Tennessee", Friends of the UT Arboretum Invited Outreach Talk, Roane State Community College-Oak Ridge, TN. *10/30/2012*
12. Armel, G.R., J.J. Vargas, and W.E. Klingeman. 2011. "Research update on preemergence and postemergence herbicide safety to ornamental plants ", Turfgrass Field Day '11, Knoxville, TN. *9/15/2011*
13. Fulcher, A. and W.E. Klingeman. 2011. "Update on Urban Landscape and Nursery Research at UT", TNLA Green Industry Field Day '11, Knoxville, TN. *6/14/2011*
14. Koepke-Hill, R., G. Armel, and W.E. Klingeman. 2010. "Ornamental Safety Using Select Herbicides for Postemergence Weed Control", UT Turf Field Day '10, Knoxville, TN. *9/16/2010*
15. Klingeman, W.E. 2010. "Pests: Good, Bad and Bug-ly", UT Blooms Days '10, Knoxville, TN. *6/26/2010*
16. Klingeman, W.E. 2007. "Careers in the Green Industry", UT Agricultural Educators Field Day '07, Greeneville, TN. *10/12/2007*
17. Klingeman, W.E. 2007. "IPM for Your Landscape & Garden", UT Turf Field Day '07, Knoxville, TN. *5/16/2007*
18. Klingeman, W.E. 2006. "Attracting Beneficial Insects to your Garden", BloomsDays '06, Knoxville, TN. *6/25/2006*
19. Klingeman, W.E. 2005. "The Good, the Bad, and the Bug-ly", BloomsDays '05, Knoxville, TN. *6/25/2005*
20. Klingeman, W.E. and F. Hale. 2005. "Turf Pests", Turf Science Field Day '05, Knoxville, TN. *9/15/2005*
21. Klingeman, W.E. 2005. "Nursery & Garden Center Management: Arthropod Pests of Dogwoods", All About Dogwoods Field Day '05, Oak Ridge, TN. *10/14/2005*

Presentations to Industry Groups

1. Klingeman, W.E. 2015. Risks and realities of managing pests on edible ornamentals in TN landscapes. TNLA Field Day, UT Gardens. [65 attendees] *6/23/2015*
2. Fulcher, A., W.E. Klingeman, Q. Cypher, and N. Basiri. 2015. Nursery and landscape research tour and project update. TNLA Field Day, UT Gardens. [65 attendees] *6/23/2015*

3. Bray, A., W.E. Klingeman, J.B. Oliver, S. Reed, C. Ranger, N.N. Youssef, J. Grant, P. Lambdin, G. Haun, J. Keener, S. Ochieng, V. Mastro, M. Reding, P Schultz, J. Moyseenko, and J. Basham. 2011. Walnut twig beetle trap and lure development. Conference on Thousand Cankers Diseases and Emerald Ash Borer in the Eastern United States, Knoxville, TN. *11/30-12/2/2011*.
4. Bray, A., W.E. Klingeman, J.B. Oliver, S. Reed, C. Ranger, N.N. Youssef, J. Grant, P. Lambdin, G. Haun, J. Keener, S. Ochieng, V. Mastro, M. Reding, P Schultz, J. Moyseenko, and J. Basham. 2011. Efforts to develop traps and lures for walnut twig beetle. TN Dept. Agric. and State Forestry Service Quarterly Regional Update, Knoxville, TN. *10/4/2011*.
5. Fulcher, A. and W.E. Klingeman. 2011. "Update on Urban Landscape and Nursery Research at UT", TNLA Green Industry Field Day '11, Knoxville, TN. *6/14/2011*
6. Klingeman, W.E. 2008. The wonderful world of weed killer chemistry: how (and why) herbicides work for you. TN Nursery & Landscape Assoc. Winter Education Conference, Gatlinburg, TN. *2/4/2008*.
7. Klingeman, W.E. 2007. Disease and insect resistant plants for TN landscapes. Spring Express Landscape Seminar, Chattanooga, TN. *2/21/2007*.
8. Klingeman, W.E. 2007. Using disease and insect resistant plants. Tri-Cities Landscape Seminar, Jonesboro, TN. *2/9/2007*.
9. Klingeman, W.E. 2007. Host plant resistance and disease and insect resistant plants. TN Nursery & Landscape Assoc. Educational Conference, Pigeon Forge, TN. *2/5/2007*.
10. Klingeman, W.E. 2006. Are you using the resistant plants that are available? Middle TN Nursery Assoc. Trade Show, McMinnville, TN. *10/6/2006*.
11. Bergh, J.C., W.E. Klingeman, T.C. Leskey, J.F. Walgenbach, D.P. Kain and A. Zhang. 2006. A novel pheromone lure monitors dogwood borer seasonal flight activity and relative abundance in EUS urban landscapes, apple orchards and woodlands. TN Green Industry Field Day, McMinnville, TN. *8/22/2006*.
12. Klingeman, W.E. and D. Robinson. 2006. Competitive influence in nursery containers of weeds new to TN & the SEUS. TN Green Industry Field Day, McMinnville, TN. *8/22/2006*.
13. Klingeman, W.E. 2006. A Good Idea at the Time: Perennial Plants with [Bad] Attitude. Grounds Maintenance Short Course. Knoxville, TN *1/17/2006*
14. Klingeman, W.E. 2005. Back to Basics: How Pesticides Work. Grounds Maintenance Short Course, Knoxville, TN. *2/4/2005*
15. Klingeman, W.E. 2004. Boring Pests that are Chewing Up Your Client's Landscapes. Grounds Maintenance Short Course, Knoxville, TN. *2/4/2004*
16. Ketchersid, D.R.* and W.E. Klingeman. 2003. Ornamental Host Influences Longevity and Fecundity of Whitefringed Beetles. Tennessee Green Industry Field Day, McMinnville, TN. *8/13/2002*

17. Klingeman, W.E. 2003. "Ways to Make Your Consumer's Interests Work for You", Summer Express, Chattanooga, TN. *7/15/2003*
18. Klingeman, W.E. 2003. "Winning the Battle Against Garden Pests", Blooms Days: Garden Festival & Marketplace, Knoxville, TN. *6/28/2003*
19. Klingeman, W.E. 2003. "Urban Landscape and Production Horticulture Update", TNLA Board Visit, Knoxville, TN. *6/25/2003*
20. Klingeman, W.E. 2003. "What Consumers Want May Surprise You", Grounds Maintenance Short Course, Knoxville, TN. *2/4/2003*
21. Klingeman, W.E., S. Garton and M. Halcomb. 2003. "TennOvations: An Overview of Innovation by Tennessee Growers", Tennessee Nursery and Landscape Association TNLA/TFGA, Chattanooga, TN. *1/24/2003*
22. Vaughn, C.* and W. E. Klingeman. 2002. Pheromone and Trap Color Influences Clearwing Borer Collection in East Tennessee. Tennessee Green Industry Field Day, McMinnville, TN. *8/13/2002*
23. Klingeman, W.E., J. Brooker, D.B. Eastwood, B. Behe, J. Riley, and P. Knight. 2002. Consumers See Value in Disease Resistant Dogwoods. Tennessee Green Industry Field Day, McMinnville, TN. *8/13/2002*
24. Klingeman, W.E. 2002. "More than Meets the Eye: Allelopathy and Plant Management", Grounds Maintenance Short Course, Knoxville, TN. *2/8/2002*
25. Klingeman, W.E. 2001. "Mechanisms of Plant and Insect Resistance", Grounds Maintenance Short Course, Knoxville, TN. *2/8/2001*
26. Klingeman, W.E., M.W. van Iersel, J.G. Kang, J. Croker, P.C. Flanagan and R.M. Augé. 2001. "Are Mycorrhizae the Drought Solution?" Research Walking Tour, Tennessee Green Industry Field Day, TSU Nursery Crop Research Station, McMinnville, TN. *8/14/2001*
27. Ashburn, D.R., W.E. Klingeman, A.S. Windham, C. Canaday, and M.T. Windham. 2001. "Canker Diseases of Leyland Cypress" Display, Tennessee Green Industry Field Day, TSU Nursery Crop Research Station, McMinnville, TN. *8/14/2001*
28. Klingeman, W.E. 2001. "Run, Forest! Run! Defenses Trees Use to Avoid Pests", 10th Urban Forestry Council Annual Conference, Knoxville, TN. *Upcoming 10/12/2001*
29. Klingeman, W.E. 2000. "Key Plant Pest Management", TNLA Short Course, Gatlinburg, TN. *1/18/2000*
30. Klingeman, W.E. 2000. "Marketing IPM for your Landscaping Business", Grounds Maintenance Short Course, Knoxville, TN. *2/9/2000*
31. Klingeman, W.E. 2000. "Anticipating the Season's Pest Populations" and UT Nursery Research Update, Northeast TN Christmas Tree and Nursery Association, Elizabethton, TN. *4/18/2000*

32. Klingeman, W.E., R. M. Augé, and P. C. Flanagan. 2000. "Mycorrhizal assessment of ornamental trees in Tennessee field soils". Research Conference of the Southern Nursery Association. Atlanta, GA. 8/3/2000
33. Klingeman, W.E. 2000. "Mycorrhizae are a beneficial component of Tennessee nursery soils." Research Walking Tour, Tennessee Green Industry Field Day, TSU Nursery Crop Research Station, McMinnville, TN. 8/15/2000
34. Klingeman, W.E. 1999. Current and future directions in nursery production research at the University of Tennessee. OHLD Agricultural Alumni Council.
35. Klingeman, W.E. 1999. New directions and strategies of nursery crops research at UT. Northeast TN Christmas Tree and Nursery Association.

Articles Published in Non-refereed Popular Press and Trade Journal Articles

Last 5 Years Total = 1; Career Total = 61

1. Klingeman, W. E., K. Adesso, J. Oliver, F. Baysal-Gurel, A. Fulcher, K. L. Jensen, J. K. Moulton, B. A. Olukolu, A. L. Rihn, and A. Witcher. 2021. Flatheaded borer management in specialty tree crops. *Tennessee Greentimes*, 22(1):10-16.
2. Gregg, D., A. Ludwig, and W. Klingeman. 2019. Controlling weedy perennials, shrubs and trees on slopes and near wetlands. *TN Greentimes* 20(4): 14-18.
3. Klingeman, B. 2018. Meet Matt Dawson: our green industry "Grow"-file of a TN Green industry leader and innovator. *Tennessee Greentimes* 19(2): 12,14,16-18.
4. Pulte, A., B. Klingeman, and S. Jean-Philippe. 2017. Re-invigorating Tennessee's Champion Tree program. *Tennessee Greentimes* 18(4): 11-13.
5. Moore, P., P. Wadl, S. Boggess, J. Skinner, W. Klingeman, and M. Hodges. 2014. Gardening to Save a Species...Ruth's Golden Aster. *Tennessee Greentimes* 15(2): 13-14.
6. Fulcher, A., A. LeBude, S. White, J-H Chong, C. Adkins, K. Braman, M. Chappell, J. Derr, W. Dunwell, S. Frank, S. Gill, F. Hale, W. Klingeman, G. Knox, J. Neal, M. Paret, K. Rane, N. Ward, J. Williams-Woodward, and A. Windham. 2013. IPM in action. *Nursery Management* 29(12): 30-33.
7. Klingeman, W.E., A.F. Fulcher, and W. Yearly. 2013. Insecticide choice can help...strategies for controlling scale insects and preserving beneficial and natural enemy insects. *Tennessee Greentimes* 14(2): 8-12.
8. White, S.A., A.F. Fulcher, A.V. LeBude, W.E. Klingeman III, M.R. Chappell, S. Frank. 2011. Top 10 Applied and Potential IPM Practices for Nurseries in the Southeastern US. *Virginia Nursery and Landscape Association Newsletter* 81(4): 43-46.
9. Fulcher, A., W. Klingeman, A. LeBude, S. White, M. Chappell, S. Frank, and J. Neal. 2011. IPM Strategies: What are southeastern growers doing to stop pests in their tracks? *Tennessee Green Times* 12(8):10-14.

10. Fulcher, A., W.E. Klingeman, A.V. LeBude, S. White, M. Chappell, S. Frank, and J. Neal. 2011. IPM Strategies. *Nursery Management* 27(5): 30-32.
11. Hale, F., B. Klingeman, A. Windham, G. Haun, S. Powell, J. Oliver, A. Self, M. Windham, J. Grant, and E. Long. 2010. Walnut twig beetle and thousand cankers disease of black walnut. *Tennessee Green Times* 11(4): 10-14.
12. Jeffers, D.* , B. Klingeman, M. Palma, and C. Hall. 2010. Make sure your bare-root liners get “A” grades for quality. *Tennessee Green Times* 11(4): 16-18. [*reprinted with permission from NMPro*]
13. Jeffers, D.* , B. Klingeman, M. Palma, and C. Hall. 2010. Bare-root liners. *NMPro* 44(3): 34, 36-28.
14. Hallberg, R. and Southern Nursery IPM Cooperators. 2010. Pest management for nursery crops. *Tennessee Green Times* 11(1): 15-16.
15. Conlon, H.R. and Klingeman, W.E. 2010. Urban trees for Tennessee. *Tennessee Green Times* 11(1): 13-14.
16. Klingeman, W.E. and M.R. Halcomb. 2009. TennOvations: New Techniques for Nursery Growers. *Tennessee Green Times* 10(2): 14-16.
17. Klingeman, W.E. and G.R. Armel. 2008. Pop Go the Profits: explosive seedpod dehiscence affects nursery economics. *Tennessee Green Times* 9(3): 16-20.
18. Clark, J.* and W.E. Klingeman. 2008. An “All Points Bulletin” on Oriental beetles. *Tennessee Green Times* 9(2): 12-15.
19. Klingeman, W.E. and G.R. Armel. 2008. 5 Weed species deserve a closer look: explosively dehiscent seedpods can challenge both patience and the economic bottom line. *NM Pro* 24(7): 33-36, 38, 40-41.
20. Klingeman, W.E. 2007. TennOvations: Tennessee Valley & Shady Valley Nurseries. *Tennessee Green Times* 9(1): 26-27.
21. Klingeman, W.E., S. Powell, W.G. Haun and B. Kaufman. 2007. Emerald Ash Borer: A little beetle that could cost TN Big Dollars. *Tennessee Green Times* 8(4): 16-21.
22. Hadziabdic, D.* , R. N. Trigiano, S. Garton, M. T. Windham, W. E. Klingeman and L. A. Weaver-May. 2006. In vitro regeneration of American yellowwood. *Tennessee Green Times* 7(4): 32-35.
23. Halcomb, M. and W. E. Klingeman. 2006. The unlikely “love vine”: avoid damage from dodder. *Tennessee Green Times* 7(3): 28-29.
24. Klingeman, W. E. and D. Robinson. 2006. Research and Extension Briefs: A Lament for Mugwort in the Garden. *Garden Post* 13(6): 7-8.
25. Klingeman, W. E. 2006. Faculty in the UT Gardens, Bill Klingeman. *Garden Post* 13(5): 10-11.
26. Riemann, A.* , W. E. Klingeman and F. A. Hale. 2006. Spurn “hopper burn” by understanding and managing leafhoppers. *Tennessee Green Times* 7(1): 24-27.

27. Bowers, J.* and W. E. Klingeman. 2005. Diagnoses and Management of Verticillium Wilt: A Nursery and Landscape Plant Pathogen. Tennessee Green Times. 6(4): 20-23.
28. Dugan, R.*, W. E. Klingeman and F. A. Hale. 2005. Four (Short) Lines and a Tarnished Reputation. Tennessee Green Times. 6(2): 34, 36, 38-39.
29. Townsend, K.* and W. E. Klingeman. 2005. Being Clean Helps Keep Plants Green: Setting New Standards for Nursery Sanitation. Tennessee Green Times. 6(2): 31-33.
30. Dugan, R.*, W. E. Klingeman and F. A. Hale. 2005. Mirid Plant Bugs...Four (Short) Lines and a Tarnished Reputation (*reprinted by request*). Georgia Green Industry Association Journal. 16(12): 34, 36, 38-39.
31. Townsend, K.* and W. E. Klingeman. 2005. Being Clean...Setting New Standards for Nursery Sanitation (*reprinted by request*). Georgia Green Industry Association Journal. 16(12): 31-33.
32. Klingeman, W. E. and F. A. Hale. 2003. Little Broad Mites Cause Big Headaches for Growers. Tennessee Green Times. Fall 4(3): 24-25.
33. Klingeman, W. E. 2003. TennOvations: CherryCreek Nursery Catalog. Tennessee Green Times. Fall 4(3): 24-25.
34. Trigiano, R.N., W. E. Klingeman, M. Ament, and M. T. Windham. 2003. Is Fingerprinting in Your Future? Tennessee Green Times. Fall 4(3): 10-13.
35. Robinson, D. K., W. E. Klingeman, S. Garton, and G. L. McDaniel. Anticipate Weeds in Daylilies: A Planned Approach to Weed Management. Amer. Hemerocallis Society. Parts I-IV.
36. Klingeman, W. E. 2003. Looking for Mr. Goodbug. Tennessee Green Times. Spring 4(1): 18-21.
37. Klingeman, W. E. 2002. Stoner Fabrication. Tennessee Green Times. Fall 3(4): 33-35.
38. Klingeman, W. E., J. Oliver, and P. C. Flanagan. 2002. Managing Whitefringed Beetle Grubs in Tennessee Nursery Field Soils. Tennessee Green Times. Fall 3(4): 28-31.
39. Ketchersid, D.*, W. E. Klingeman, F. Hale, and J. Oliver. 2002. The Whitefringed Beetle: An Overlooked Pest of Ornamentals. Tennessee Green Times. 3(3): 18-21.
40. Klingeman, W. E., J. Oliver, and F. Hale. 2002. Trees in Trauma: Will the Southern Pine Beetle Outbreak Ever End? (*reprinted by request*). Georgia Green Industry Journal. June, p. 47-48.
41. Klingeman, W. E., T. Hill, G. L. McDaniel, and S. Garton. 2002. Select and Manage Ornamental Plants to Limit Fish Toxicity and Stress. Tennessee Green Times. Summer 3(2): 17-19.
42. Klingeman, W. E., S. Garton, and G. L. McDaniel. 2002. *Caveat Emptor* (Let the Buyer Beware): Some Aquatic Aggressors Demand Special Attention. Tennessee Green Times. Summer 3(2): 39-41.
43. Klingeman, W. E. and S. Garton. 2002. Flowering Dogwoods in Tennessee: A Glimpse at the Past, Present, and Future. The Leaflet: UT Arboretum Society Journal. Spring 22(1): 6-7.

44. Klingeman, W. E., P. Lambdin, and F. A. Hale. 2002. Top Tips for Managing Scales and Mealybugs on Ornamentals. *Tennessee Green Times*. Spring 3(1): 34-37.
45. Klingeman, W. E. 2002. TennOvations. *Tennessee Green Times*. Spring 3(1): 19-20.
46. Klingeman, W. E., J. Oliver, and F. Hale. 2001. What's Doin' All That Chewin'? *The European Hornet*. *Tennessee Green Times*. 2(4): 34-36.
47. Klingeman, W. E. 2001. TennOvations. *Tennessee Green Times*. 2(4): 19-20.
48. Klingeman, W. E., J. Oliver, and F. Hale. 2001. Trees in Trauma: Will the Southern Pine Beetle Outbreak Ever End? *Tennessee Green Times*. 2(3): 20-21.
49. Klingeman, W. E. 2001. TennOvations. *Tennessee Green Times*. 2(3): 17.
50. Robinson, D. and B. Klingeman. 2001. Bermudagrass Control in Ornamentals: Production and Landscape Management. *Tennessee Green Times*. 2(2): 18-19.
51. Klingeman, W. E. 2001. TennOvations. *Tennessee Green Times*. 2(1): 32-33.
52. Klingeman, W. E. and F. A. Hale. 2001. Bagworms: Well-Adapted Native Pests of Woody Ornamentals. *Tennessee Green Times*. 2(1): 22-24.
53. Windham, M. T., Klingeman, W. E., A. S. Windham, and R. N. Trigiano. 2001. Introducing the Appalachian Series Dogwoods. *UTAES Information Bulletin*.
54. Windham, M. T., Klingeman, W. E., A. S. Windham, and R. N. Trigiano. 2001. Care of Flowering Dogwoods. *UTAES Information Bulletin*.
55. Klingeman, W. E. and D. Robinson. 2000. Pests in the Spotlight. Mugwort or, False Chrysanthemum: A Weed of Growing Concern. *Tennessee Green Times*, Winter: 18-19.
56. Robinson, D. and W. E. Klingeman. 2000. Problem Perennial Weeds in Ornamentals. *Tennessee Green Times*, Winter: 35-36.
57. Klingeman, W. E. 2000. TennOvations. *Tennessee Green Times*, Winter: 32-33.
58. Klingeman, W. E., R. M. Augé, and P. C. Flanagan. 2000. Field-Grown Ornamental Trees in Tennessee: A Mycorrhizal Assessment. *Tennessee Green Times*, Winter: 30-31.
59. Klingeman, W. E. 2000. TennOvations. *Tennessee Green Times*, Fall: 32-33.
60. Klingeman, W. E. 2000. TennOvations. *TNLA Newsletter* 9(51): 11.
61. Klingeman, W. E. 2000. IPM for Your Landscape Business. *TNLA Newsletter* 9(51): 10-11.

Selected Grants:

1. Shoemaker, D., D. Hadziabdic, M. Staton, W. Klingeman, and Trigiano, R.N. (2023) USDA-ARS Non-Assistance Cooperative Agreement 58-6062-1-006 NACA: *New Molecular and Genetic Tools to Select Trees and Plants Better Adapted to Changing Environmental Conditions in the Southeastern United States* (WEK: \$17,100)

2. Coyle, D. M, M. Nowicki, W. Klingeman, D. Hadziabdic, S. Long (with T. Culley and D. Kinney). 2022. USDA-NIFA Forest Health Service-STDP. A truck bed toolkit for the detection of non-native plant species. (\$150,000/ [WEK: \$5,400]).
3. Hadziabdic, D. and W. Klingeman. (2022-2023) Thousand Cankers Disease Mitigation: Walnut transcriptomics and biological control. USDA-FS. Funded: (\$30,000\ [WEK: \$15,121]).
4. Jenkins, D., C. Bates, and D. Stone [South Carolina, Georgia, and Alabama State Forestry Commission Leads] (with Hartshorn, J., D. Coyle, N. Loewenstein, C. Barger and Nowicki, M., D. Hadziabdic, W. Klingeman, and Q. Wu (University of TN). (2021-2023). Enhanced Perspectives: Proactive sky-scouting to detect areas at high-risk from spread of invasive Callery pear. USDA Forest Service – Landscape Scale Restoration Grant. (\$135,000\ [WEK: \$5,745]).
5. Adesso et al. (Klingeman W, Jensen K, Fulcher A, Moulton K, Olukolu [UT Co-PIs]) (2020-2025) Flatheaded borer management in specialty tree crops. USDA-SCRI Pre-proposal. Funded: (\$6 Mn/ [WEK: \$294,248]).
6. Klingeman, W., D. Hadziabdic, M. Staton, A. Taylor, and M. Ginzl. 2020. Sustainable Agricultural Products from Healthy Oaks: Protecting the economy of American oak resources. USDA NIFA-CPPM Proposal. Funded (\$299,704/ [WEK: \$72,620]).
7. Hadziabdic, D. and W. Klingeman. (2019-2021) Assessing Thousand Cankers Disease Mitigation of Walnut-associated *Trichoderma* spp. USDA-FS. Funded (\$30,000/ [WEK: \$4,500]).
8. Hadziabdic, D., W.E. Klingeman, M. Ginzl and R.N. Trigiano. 2018. Helping Urban Foresters and Diagnosticians by Optimizing a Molecular Toolkit to Provide Rapid Diagnosis of Thousand Cankers Disease. US Forest National Urban and Community Forestry Challenge Cost-Share Grant. Requested: (\$184,287/ [WEK: \$37,610]).
9. Ginzl, M., W.E. Klingeman, D. Hadziabdic, and J.J. Juzwik. 2015. USDA-NIFA – Crop Protection & Pest Management: ARDP. “Enhanced detection of *Pityophthorus juglandis* – the insect vector of Thousand Cankers Disease.” Funded: \$280,000/ [WEK: \$71,534].
10. Chappell, M. [w/ K. Braman, J.-H. (JC) Chong, J. Derr, W. Dunwell, S. Frank, A.F. Fulcher, F. Hale, F. Hand, W. Klingeman, G.W. Knox, A. LeBude, C. Marble, J. Neal, N. Ward, S. White, J. Williams-Woodward, and A. Windham as cooperators]. 2015. USDA-NIFA – Southern Region IPM. “IPM for Shrubs in Southeastern U.S. Nursery Production (Vol. II).” Requested/ Funded: \$39,532/ [WEK: \$0].
11. LeBude, A. [w/ S. White, J.-H. (JC) Chong, K. Braman, M. Chappell, J. Derr, W. Dunwell, S. Frank, A.F. Fulcher, S. Gill, F. Hale, W. Klingeman, G.W. Knox, J. Neal, N. Ward, J. Williams-Woodward, A. Windham, and C. Adkins as cooperators]. 2013. USDA-NIFA – Southern Region IPM. “Experiential Nursery IPM Workshop Series to Enhance Grower Adoption and Extension Agent Facilitation.” Requested/ Funded: \$39,982/ [WEK: \$0].
12. White, S.A. [w/ J.-H. (JC) Chong, K. Braman, M. Chappell, J. Derr, W. Dunwell, S. Frank, A.F. Fulcher, S. Gill, F. Hale, W. Klingeman, G.W. Knox, A. LeBude, J. Neal, N. Ward, J. Williams-Woodward, A. Windham, and C. Adkins as cooperators]. 2013. USDA-NIFA – Southern Region

IPM. "IPM for Shrubs in Southeastern U.S. Nursery Production (Vol. 1)." Requested/ Funded: \$29,983/ [WEK: \$0].

13. Klingeman, W.E., C. Oppert, J.L. Jurat-Fuentes and B. Oppert. 2013. UT AgResearch Innovation Grant. "Identification of novel, highly active insect cellulases that can overcome inefficiencies in biofuel synthesis." Requested/ Funded: \$19,888/19,888.
14. Klingeman, W.E. 2012. U.S.-FS Cost reimbursable agreement. Walnut twig beetle rearing and trapping project. Requested/Funded: [WEK: \$5,225].
15. Ginzel, M., J. Juzwik, S. Reed, J. English, and W.E. Klingeman. 2012. USDA-NIFA – North Central Regional IPM Center. "Enhanced detection methods for the walnut twig beetle and Thousand Cankers Disease." Funded: \$98,409/ [WEK: \$11,000].
16. Fulcher, A.F., J.C. Horng, S. White, W.E. Klingeman, J. Neal, F.A. Hale, S. Frank, and A.S. Windham. 2011. USDA-NIFA - Southern Region Integrated Pest Management. "Enhancing nursery crop research and extension with a multi-state working group." Funded: \$24,232/[WEK: \$0].
17. Klingeman, W.E., A. Taylor, G. Armel, A. Wszelaki, and R. Evans. 2010. TN Dept. of Agriculture Specialty Crop Block Grant, "Bioactive wood mulches: a renewable weed management alternative for ornamental plant and small crop producers." Requested/Funded: \$50,000/[WEK: \$30,000].
18. Klingeman, W.E., B. Babbit, F. Hale and R. Evans. 2009. AgResearch and Extension Innovative Project, "A Pilot Study for Phenology Gardens in Tennessee: Integrating plant flowering and foliar phenology into best management practices (BMPs) pest and disease management." Requested/Funded: \$30,000/ (WEK: \$25,000).
19. Jurat-Fuentes, J.L., C. Oppert, W.E. Klingeman, and B. Oppert. 2009. SunGrant Initiative, "Identification and characterization of insect cellulolytic systems for plant biomass degradation." Requested/ Funded: \$75,000/\$75,000.
20. Hansen, J.A.*, J.K. Moulton and W.E. Klingeman. 2008. Discover Life in the Appalachians (DLIA). "Cataloging metallic wood boring beetles (Coleoptera: Buprestidae) and clearwing moths (Lepidoptera: Sesiidae) of the Great Smoky Mountains National Park (GSMNP)." Requested/ Funded: \$5,000/\$3,500.
21. Armel, G.R., G.N. Rhodes, J.S. McElroy and W.E. Klingeman*. 2008. "Characterization and Identification of TDOT Right-of-Way Vegetation and Correlation of Management Practices to Vegetation Persistence." TN Department of Transportation. Requested/Funded: \$175,000/\$150,769. [**In August 2009, WEK was added as a subcontractor replacing J.S. McElroy*].
22. Braman, S.K., R. Mizell, W.E. Klingeman, D. Boyd and D. Held. 2005. Southern SARE Research and Education Grant Pre-Proposal. "Increasing Use of Sustainable Plants in Production and Landscape Design." Requested/ Funded: \$154,600/\$154,000.

23. Bergh, J.C., T.C. Leskey, J. Walgenbach, A. Zhang and W.E. Klingeman. 2005. Southern Region IPM Research Grant. "Pheromone-based management of dogwood borers." Requested/ Funded: \$70,000/\$70,000.
24. Oliver, J., D. Fare, W.E. Klingeman, and J. Altland. 2003. Horticultural Research Institute (HRI) Grant Program. "Species of Flatheaded Borer Impacting the Ornamental Industry and a Method to Survey for Borer Activity within Field Nurseries". Requested/ Funded: \$17,250/\$16,000.
25. Ownley, B. B., W. E. Klingeman, and N. B. Quigley. 2002. National Research Initiative Competitive Grants Program (NRI). "*Beauveria bassiana*, a Dual Biocontrol against Plant Pathogens and Insect Pests". Requested/ Funded: \$222,535/\$201,500.

Honors, Awards & Professional Development:

LEAD 21 Class 18. 2022. UTIA Representative.

Graduate Student Senate Graduate Director of the Year Award. 2022. UTK.

ASHS Outstanding Education Publication Award. 2018. ASHS. Co-author with LeBude et al. "Experiential Nursery Integrated Pest Management Workshop Series to Enhance Grower Practice Adoption" [HortTechnology 27(6):772-781].

W.S. Overton Faculty Award of Merit & NACTA Teaching Award of Merit. 2015. CASNR/ NACTA.

Bright Ideas Award. 2014. The Southern Nursery IPM Working Group. USDA-NIFA, Southern Region IPM Center.

T.J. Whatley Distinguished Young Scientist Award. 2007. UT Institute of Agriculture.

Gamma Sigma Delta Team Award. 2000. The Dogwood Research Team

Writing Successful Grants: A Twelve Step Program, Part 1. 10/27/2009. Directed by Dr. R. Porter, UT Research Foundation.

Writing Successful Grants: A Twelve Step Program, Part 2. 11/4/2009. Directed by Dr. R. Porter, UT Research Foundation.

Finding Funding: Foundations and Sponsored Research. 11/10/2009. Directed by Dr. R. Porter, UT Research Foundation.

FDA/EPA Good Laboratory Practices Workshop. 5/17-18/2003. Directed by West Coast Quality Training.

PCR Workshop. 5/2002. Directed by Dr. R. Trigiano, M. Ament, and L. Habera, UT-EPP.

Grant Application Writer's Workshop. 7/2001 - 10/2001. Grant Writer's Seminars and Workshops, LLC. USDA- NRI Competitive Grants Program. Directed by Dr. S.W. Russell, DVM & Dr. D.C. Morrison.

Honors & Awards received by Student Advisees:

SE Branch Entomological Society, 2nd Place PhD Oral Presentation Award, A. Gonzalez. Sp2023
Plant Sciences Department, 1st Place PhD Poster Presentation Award, A. Gonzalez. Fa2022

Tennessee Entomological Society, 2nd Place UG Oral Presentation Award, G. Lariscy. Fa2022
Office of Undergraduate Research Support, G. Lariscy. Sp2021.
Office of Undergraduate Research Support, C. Brice. Su2017-Sp2018.
Office of Undergraduate Research Support, B. Long. Sp/Su2017.
Office of Undergraduate Research Support, P. Anderson. Sp2017.
Rehabilitation Corp. of Tennessee Graduate Scholarship, Tammy Stackhouse. Fa2018.
Rehabilitation Corp. of Tennessee Graduate Scholarship, Andrew Jeffers. Sp2007–Fa2008.

SERVICE

Institutional Service

University:

UTK Graduate Council Proxy Member, 2017 – 2020
Faculty Senate – Member, 2006 – 2008
Library Committee (Faculty Senate) – Member, 2006 – 2008

Institute of Agriculture Committees:

Herbert College Graduate Council – Member, 2006 – *present*:
 HC Graduate Council Chair, 2020 – *present*
Herbert College 5-Yr Review Committee – Member, 2018
EPP Faculty Search Committee – Member, 2023
ALEC 10-Year Departmental Review Committee – Member, 2021
Ellington Building Replacement Committee – Member, 2012 - 2016
CASNR Quality Graduate Education Taskforce – Member, 2008 - 2010
TAES Greenhouse Committee – Member, 2004 – *present*, Chair, 2008 – 2010
CASNR IT Technologies Taskforce, Member, 2000. Mullen, M. D. (Chair), H. Byrd, J. Delnero, E. Gray, H. Kattesh, W. Klingeman, J. Logan, J. Mount, and W. Park. 2000. Report of the CASNR IT Technologies Taskforce, *Submitted 5/8/2000*.

Departmental Committees:

Instructional Coordinator, 2009 – *present*
Graduate Student Director, 2006 – *present*
Information Systems Committee – Chair, 2005 – 2006
Social Activities Committee – Member, 1999 – 2005
Human Subjects Committee – Member, 2001 – 2005; Chair, 2005
Faculty coordinator for graduate student judging and presentation of OHLD Horticulture Award to participants of the 42nd & 43rd Appalachian Science Fair - *April 2000 & 2001*
PS Nursery Working Group – Member, 1999 – *present*
Dogwood Anthracnose and Powdery Mildew Working Group – Member, 1999 - *present*
Greenhouse/Nursery Facilities Management – Member, 1999-*present*
UTIA Trial Gardens – Member, 1999-2005
Nursery Tree Physiologist Search – Member, 2001
Nursery Extension Specialist Search – Member, 2001

Professional Service

Society Memberships

American Society of Horticultural Science (ASHS) (2000 – present)
Southern Region, ASHS (2000 – present)
Tennessee Nursery & Landscape Association (TNLA) (2000 – 2010; Co-editor, 2004 – present)
Entomological Society of America (ESA) (1994 – present)
Southeastern Branch, ESA (1994 – present)
Georgia Entomological Society (1997 – 2003)
Kansas Entomological Society (2013 – 2015)
Pi Alpha Xi (2004 – 2006)
Gamma Sigma Delta (1996)

Miscellaneous Professional Service:

Section Chair/Moderator: Education, SR-ASHS Annual Meeting: Dallas, TX (2013 – 2014).
Section Editor and Moderator, Entomology Division, Southern Nursery Association Research Conference (2008 - 2010)
External Reviewer: Promotion & Tenure Dossiers: Mississippi State Univ., Dept. of Horticulture; Univ. Maine, Dept. of Horticulture; Auburn Univ., Dept. of Horticulture; & TX A & M Univ., Dept. of Entomology.
Membership Committee, TN State Representative: Southern Region Entomol. Soc. America.
Section Chair/Moderator: PostHarvest/Biotechnology/Plant Biology, SR-ASHS Annual Meeting: Orlando, FL (2006).
TNLA Magazine Co-Editor, 2006 - present, for *Tennessee Green Times*, the Tennessee Nursery and Landscape Association Magazine.
TNLA Magazine Committee Member, 2000-2005, for TNLAs *Tennessee Green Times*, originator and associate editor of "Pests in the Spotlight" and "TennOvations" columns
Chairman and Organizer: Plant Evaluation Program SERA-IEG-27: "Nursery Crop and Landscape Systems", Regional Meeting: Baton Rouge, LA (2003); Secretary and Co-Host 2002 Regional Meeting (TSU Nursery Crop Research Station, McMinnville, TN); Executive Committee Member (2001).
Member, TNLA TN Green Industry Field Day Educational Program Committee.
Organizer, TNLA TN Green Industry Field Day Poster Session (2001 – 2003).
Advisor & Moderator, Bryson L. James Student Research Competition, Southern Nursery Association Research Conference (2002); Judge (2000 – 2006).
Co-Chair & Moderator person, 75th Annual Meeting of the Southeastern Branch of the Entomological Society of America, Ornamental Workshop, Augusta, GA, (2001).
Member, Biological Control of Japanese Beetle Working Group (2001).
Member, ASHS Nursery Crops Working Group (2001).
PSLS & OHLD Faculty Representative: "Friends of the Garden" Board of Directors Meetings (2000-2003)
Invited manuscript reviewer for: *Acta Horticulturae*, *Agricultural & Forest Entomology*, *Annals of the Entomological Society of America*, *Biocontrol Science & Technology*, *Environmental Entomology*, *Florida Entomologist*, *Forests*, *Forest Products Journal*, *HortScience*, *HortTechnology*, *Insects*, *Journal of Economic Entomology*, *Journal of Environmental*

Horticulture, Journal of Soil and Water Conservation, Mycologia, Phytoparasitica, Plant Disease, PLoS One, Scientia Agricolae