

Daniel A. Potter

Curriculum vitae
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Education:
PhD, Entomology, The Ohio State University, 1978
B.S., Entomology, Cornell University, 1974

Professional Appointments (all University of Kentucky):

University Distinguished Research Professor, 1999-
Bobby C. Pass Research Professor, 2008-2011
Professor of Entomology, 1999-
Associate Professor of Entomology, 1985-1989
Assistant Professor of Entomology, 1979-1985

Awards and Honors:

From Scientific Societies:

Entomological Society of America National Awards:
Fellow of the Entomological Society of America (2008)
ESA Distinguished Achievement Award in Teaching (1999)
ESA Distinguished Achievement Award in Urban Entomology (1995)
ESA Distinguished Achievement Award in Horticultural Entomology (2006)

ESA Regional Awards (North Central Branch):

Legacy Contribution Award (2020)
Distinguished Achievement Award in Teaching (1999)
Recognition Award in Urban Entomology (1995)

From University of Kentucky

University Distinguished Research Professor (1999-present)
B.C. Pass Endowed Professorship (2008-2011)

From UK College of Agriculture, Food, and Environment:

Master Teacher Award (1998)
High Impact Research/Extension Program Award (2014)
George E. Mitchell Award for Outstanding Service to Graduate Students (2003)
T.P Cooper Award for Distinguished Achievement in Research (1989)

From National Stakeholder Organizations:

United States Golf Association Green Section Award (2010, for career contributions)
National Leadership Award, Professional Land Care Network
American Nursery/Landscape Assoc. Distinguished Achievement Award (2006)

From Regional Stakeholder Organizations:

Kentucky Turfgrass Council Man of the Year Award (1989)
Kentucky Turfgrass Council Special Recognition Award (1986)

Awards Received as a Graduate Student:

Outstanding Graduate Student Achievement (J.H. Comstock Award), Entomological Society of America (1978)
 Alumni Award for Graduate Student Research and Creative Achievement, Ohio State University (1977)

Links to profiles for selected professional recognitions:

<http://www.entsoc.org/fellows/daniel-potter-esa-fellow-2008>
<http://gsr.lib.msu.edu/2010s/2010/100502.pdf>
<http://www.usga.org/content.aspx?id=24134>
<https://www.lawnandlandscape.com/article/-font-color-orange-leadership-2008---font--odyssey-of-discovery/>

Selected Recognitions to Graduate Student Advisees:

Three different recipients of Entomological Society of America John Henry Comstock Award, their most prestigious award for graduate student achievement
 Nine different recipients of Outstanding Graduate Student Award from UK College of Agriculture, Food, and Environment
 Numerous other graduate student awards and scholarships

Principal Research Areas:

Biology and management of pests and beneficial insects impacting urban and suburban landscapes including lawns, sport fields, golf courses, woody landscape plants, and nursery crops. Research foci include *Popillia japonica* (Japanese beetle), scale insects, wood borers, caterpillars, other pests of trees and shrubs; also root-feeding grubs, ants, cutworms, earthworms, other turf pests.

Conservation of bees, monarch butterflies, and other beneficial insects in urban landscapes

Environmental toxicology, particularly assessing and alleviating impacts of pesticides on beneficial invertebrates and their ecosystem services.

Basic research on insect-plant relationships

Funding:

Funding from USDA-NRI, USDA-SRIPM, USDA-IR4, USDA-New Crops Initiative, US Golf Association, OJ Noer Foundation, Horticultural Research Institute, various stakeholder groups, and industry

Scholarly Publications

Updated Dec. 2021

*author is or was a graduate student or †undergraduate student under my direction, ‡author was post-doc, visiting scientist, or research technician in my lab; §Student at different university I helped to mentor

Original Textbook:

Potter, D.A. 1998. Destructive Turfgrass Insects: Biology, Diagnosis, and Control. Wiley, New York, NY. 366 pp., 32 color plates

Invited Annual Review of Entomology contributions (ARE impact factor: 13.6)

Held DW*, Potter DA (2012) Prospects for managing turfgrass insect pests with reduced chemical inputs. *Annu. Rev. Entomol.* 57:329-354.

Potter DA, Held DW* (2002) Biology and management of the Japanese beetle. *Annu. Rev. Entomol.* 47: 175-205

Potter DA, Braman SK (1991). Ecology and management of turfgrass insects. *Annu. Rev. Entomol.* 36: 383-406

Other invited reviews and book chapters: 26 total

Refereed Articles in Scientific Journals (217 total, reverse chronological order)

1. Potter DA (2022). Growing student learning with a class organic garden. *Am. Entomol.* 68(3) In press.
2. Potter DA, Mach BM* (2022). Non-native non-Apis bees are more abundant on non-native versus native flowering woody landscape plants. *Insects* 13, 238. <https://doi.org/10.3390/insects13030238>
3. Potter DA, Redmond CT‡, McNamara TD‡, Munshaw GC (2021). Dwarf white clover supports pollinators, augments nitrogen in clover–turfgrass lawns, and suppresses root-feeding grubs in monoculture but not in mixed swards. *Sustainability* 2021, 13, 11801. <https://doi.org/10.3390/su132111801>
4. Baker AM*, Redmond CT‡, Malcolm SB, Potter DA (2020). Suitability of native milkweed (*Asclepias*) species versus cultivars for supporting monarch butterflies and bees in urban gardens. *Peer J.* 2020:06:49796.
5. Baker AM*, Potter DA (2020) Invasive paper wasp turns urban pollinator gardens into ecological traps for monarch butterfly larvae. *Scientific Reports*10, 9553 (2020). <https://doi.org/10.1038/s41598-020-66621-6>
6. Baker AM*, Potter DA (2019) Configuration and location of small urban gardens affect colonization by monarch butterflies. *Frontiers in Ecology and Evolution* <https://doi.org/10.3389/fevo.2019.00474>
7. Redmond CT*, Wallis L†, Geis M† Williamson RC, Potter DA (2019) Strengths and limitations of *Bacillus thuringiensis galleriae* for managing Japanese beetle (*Popillia japonica*) adults and grubs with caveats for cross-order activity to monarch butterfly (*Danaus plexippus*) larvae. *Pest Manag Sci* <https://doi.org/10.1002/ps.5532>
8. Boyle PE§, Richardson MD, Savin MC, Karcher DE, Potter DA (2019) Ecology and management of earthworm casting on sports turf. *Pest Manag Sci.* 75: 2071–207. <https://doi.org/10.1002/ps.5479>
9. Mach BM*, Potter DA (2018) Quantifying bee assemblages and attractiveness of flowering woody landscape plants for urban pollinator conservation. *PLoS ONE* 13(12): e0208428.

10. Baker AM*, Potter DA (2018) Japanese beetles' feeding on milkweed flowers may compromise efforts to restore monarch butterfly habitat. *Scientific Reports* 8:12139
DOI:10.1038/s41598-018-30731-z
11. Baker AM*, Potter DA (2018) Colonization and usage of eight milkweed (*Asclepias*) species by monarch butterflies, bees, and other insect herbivores in urban garden settings. *Journal of Insect Conservation*. <https://doi.org/10.1007/s10841-18-0069-5>
12. Mach BM*, Bondarenko S, Potter DA (2017) Uptake and dissipation of neonicotinoid residues in nectar and foliage of systemically treated woody landscape plants. *Environ Tox Chem* 9999:1–11
DOI: 10.1002/etc.4021
13. Redmond CT, Potter DA (2017) Chlorantraniliprole: Reduced-risk insecticide for controlling insect pests of woody ornamentals with low hazard to bees. *Arboric, Urban For.* 43(6): 242–256
14. Griffin, J.J., W.R. Jacobi, E.G. McPherson, C.S. Sadof, J.R. McKenna, M.L. Gleason, N.W. Gauthier, D.A. Potter, D.R. Smitley, G.C. Adams, A.B. Gould, C.R. Cash, J.A. Walla, M.C. Starrett, G. Chastagner, J.L. Sibley, V.A. Krischik, and A.F. Newby (2017). Ten-year performance of the United States national elm trial. *Arboriculture & Urban Forestry*. 43:107–120.
15. Miller DM*, Redmond CT, Flythe MD, Potter DA (2017) Evaluation of 'Jackal' AR601(Avanex) and Kentucky-31 endophytic tall fescues for suppressing types of invertebrates that contribute to bird strike hazard at airports. *Crop, Forage, & Turfgrass Manag.* 3(1): 1–11; doi 10.2134/cftm2017.03.0023
16. Redmond CT*, Saeed A[†], Potter DA (2016) Seasonal biology of the invasive green stinkworm *Amyntas hupeiensis* and control of its casts on golf putting greens. *Crop, Forage, & Turfgrass Manag.* 2(1): doi:10.2134/cftm2016.0006
17. Dobbs EK*, Potter DA (2016). Naturalized habitat on golf courses: source of sink for natural enemies and conservation biological control? *Urban Ecosyst.* DOI 10.1007/s 11252-015-0521-1
18. Larson JL*, Giese M, Potter DA (2016) First report of carrot beetle (*Tomarus gibbosus*) damage to golf course turf. *Crop, Forage & Turfgrass Manag.* doi: 10.2134/cftm2015.0188
19. Larson JL*, Redmond CT*, Potter DA (2015). Mowing mitigates bioactivity of neonicotinoid insecticides in nectar of flowering lawn weeds and turfgrass guttation. *Environ. Toxicol. Chem.* 34:127–132.
20. Dobbs EK*, Potter DA (2015) Forging natural links with golf courses for pollinator-related conservation, outreach, teaching, and research. *Am. Entomol.* 61:116-123
21. Seamans TW, Blackwell BF, Bernhardt GE, Potter DA. 2015. Assessing chemical control of earthworms at airports. *Wildlife Soc. Bull.* 39:434-442.
22. Cabrera AR, Almanza MT, Cutler GC, Fischer DL, Hinarejos S, Lewis G, Nigro D, Olmstead A, Overmyer J, Potter DA, Raine NE, Stanley-Stahr C, Thompson H, van der Steen J. 2015. Initial recommendations for higher-tier risk assessment protocols for bumble bees, *Bombus* spp. (Hymenoptera: Apidae). *Integr. Environ. Assess. Manag.* DOI: 10.1002/ieam.1675
23. Lee DW[‡], Potter DA (2015). Biological control of the black cutworm, *Agrotis ipsilon*, (Lepidoptera: Noctuidae) with the Korean entomopathogenic nematode, *Steinernema carpocapsae* GSN1 Strain (Rhabditida: Steinernematidae) in turfgrasses. *Weed Turf. Sci.* 4: 58-64
24. Larson JL*, Kesheimer AJ[†], Potter DA (2014). Pollinator assemblages on dandelion and white clover in urban and suburban lawns. *J. Insect Conservation* 18:863-873
25. Dobbs EK*, Potter DA. (2014) Conservation biological control and insect pest performance in lawns: Does mowing height matter? *Environ. Management* 53: 648–659.
26. Larson JL*, Redmond CT*, Potter DA (2014) Impacts of a neonicotinoid, neonicotinoid-pyrethroid premix, and anthranilic diamide insecticide on four species of turf-inhabiting beneficial insects. *Ecotoxicology* 23: 252-259.

27. Redmond CT*, Kesheimer AJ†, Potter DA (2013) Earthworm community structure, population dynamics, and seasonal casting activity on Kentucky golf courses. *Appl. Soil Ecol.* 75: 116-123
28. Larson JL*, Redmond CT*, Potter DA (2013) Assessing insecticide hazard to bumble bees foraging on flowering weeds in treated lawns. *PLoSone* 8(6) e66375.
doi:10.1371/journal.pone.0066375
29. Potter, DA, Redmond CT* (2013) Relative resistance or susceptibility of landscape suitable elms (*Ulmus* spp.) to multiple insect pests. *Arboric. Urban Forestry* 39: 236-243.
30. Potter DA, Williams DW, Redmond CT* (2013). Management of excessive earthworm casts on golf courses and sport fields. *Int. Turfgrass Soc. Res. J.* 12: 347-355.
31. Lee DW‡, Potter DA (2013) Effect of essential oils and paraffin oil on the black cutworm, *Agrotis ipsilon*. *Weed Turf Sci.* 2:62-69.
32. Redmond CT*, Williams DW, Potter DA (2012) Comparison of scarab grub populations and associated pathogens and parasitoids in warm or cool-season in warm- or cool-season grasses used on transitional-zone golf courses. *J. Econ. Entomol.* 105: 1320-1328
33. Seagraves BL*, Redmond CT*, Potter DA (2012) Relative resistance or susceptibility of maple (*Acer*) species, hybrids, and cultivars to six arthropod pests of production nurseries. *Pest Manag. Sci.* 3 AUG 2012, DOI: 10.1002/ps.3375.
34. Keathley CP*, Potter DA (2012). Arthropod abundance in tall fescue pastures containing novel “safe” endophytes. *J. Appl. Entomol.* 8:576-587
35. Keathley CP*, Harrison RL, Potter DA (2012) Baculovirus infection of the armyworm feeding on spiny- or smooth-edged *Festuca* spp. leaf blades. *Biol. Control* 61: 147-54
36. Held DW*, Potter DA (2012) Prospects for managing turfgrass pests with reduced chemical inputs. *Annu. Rev. Entomol.* 57: 329-54.
37. Larson JL*, Redmond CT*, Potter DA (2012). Comparative impact of an anthranilic diamide and other insecticidal chemistries on beneficial invertebrates and ecosystem services in turf. *Pest Manag. Sci.* 68: 740-748.
38. Bixby-Brosi AJ*, Potter DA (2012) Can a chitin-synthesis-inhibiting turfgrass fungicide enhance black cutworm susceptibility to a baculovirus? *Pest Manag. Sci.* 68: 324-29
39. Keathley CP*, Potter DA (2011). Behavioral plasticity of a grass-feeding caterpillar in response to spiny or smooth-edged leaf blades. *Arthropod-Plant Interactions* 5: 339-49
40. Keathley CP*, Potter DA. 2011. Does modification of tall fescue leaf texture and forage nutritive value for improved livestock performance increase suitability for a grass-feeding caterpillar? *Crop Sci.* 51: 370-380.
41. Bixby-Brosi AJ*, Potter DA (2011) Endophyte-mediated tritrophic interactions between a grass-feeding caterpillar and two parasitoid species with different life histories. *Arthropod-Plant Interactions* 6: 27-34.
42. Bixby AJ*, Potter DA (2010) Influence of endophyte (*Neotyphodium lolii*) infection of perennial ryegrass on susceptibility of the black cutworm (Lepidoptera: Noctuidae) to a baculovirus. *Biol. Contr.* 54: 141-146.
43. Bixby-Brosi AJ*, Potter DA (2010). Evaluating a naturally-occurring baculovirus for extended biological control of the black cutworm (Lepidoptera: Noctuidae) in golf course habitats. *J. Econ. Entomol.* 103:1555-1563.
44. Vanek SJ*, Potter DA (2010). An interesting case of ant-created enemy-free space for magnolia scale (Hemiptera: Coccidae). *J. Insect Behav.* 23: 389-395.
45. Vanek SJ*, Potter DA (2010). Ant-exclusion to promote biological control of soft scales (Coccidae) on woody landscape plants. *Environ. Entomol.* 39:1829-37.
46. Redmond CT*, Potter DA (2010) Incidence of turf-damaging white grubs and associated

- pathogens and parasitoids on Kentucky golf courses. *Environ. Entomol.* 39:1838-47.
47. Bixby AJ*, Potter DA (2010) Influence of endophyte (*Neotyphodium lolii*) infection of perennial ryegrass on susceptibility of the black cutworm (Lepidoptera: Noctuidae) to a baculovirus. *Biol. Control* 54: 141-146.
 48. Condra J*, Brady C*, Potter DA (2010) Resistance of landscape-suitable elms to Japanese beetle, gall aphids, and leaf miners, with notes on life history of *Orchestes alni* and *Agromyza aristata* in Kentucky. *Arboric. Urban Forestry* 36:101-109.
 49. Potter, DA, Redmond CT*, Meepagala, KM, Williams DW (2010) Managing earthworm casts in turfgrass using a natural byproduct of tea oil (*Camellia* sp.) manufacture. *Pest Manag. Sci.* 66: 439-446.
 50. Hammons DL*, Kurtural SK, Potter DA (2010) Phenological resistance of grapes to the green June beetle, an obligate fruit-eating scarab. *Ann. Appl. Biol.* 156: 271-279.
 51. Hammons DL*, Kurtural SK, Potter DA (2009) Japanese beetle defoliation reduces primary bud cold-hardiness during vineyard establishment. *Am. J. Enol. Vitic.* 61: 130-4.
 52. Hammons DL*, Kurtural SK, Potter DA (2009) Impact of insecticide-manipulated defoliation by Japanese beetle (*Popillia japonica*) on grapevines from vineyard establishment through production. *Pest Manag. Sci.* 66: 565-571.
 53. Hammons DL*, Kurtural SK, Newman M, Potter DA (2009) Invasive Japanese beetles facilitate host-finding, aggregation, and injury by a native scarab pest of ripening fruits. *Proc. Nat. Acad. Sci., USA* 106: 3686-3691
 54. Saeki Y*, Crowley PH, Fox CW, Potter DA (2009). A sex-specific tradeoff in clonal broods. *Oikos* 188: 1552-1560.
 55. Hammons DL*, Kurtural SK, Potter DA (2008). Japanese beetles facilitate feeding by green June beetles on grapes. *Environ. Entomol.* 37: 608–614.
 56. Wood TN§, Richardson M, Potter DA, Johnson DT, Wiedenmann RN, Steinkraus DC (2009) Ovipositional preferences of the Japanese beetle (Coleoptera: Scarabaeidae) among warm- and cool-season turfgrass species. *J. Econ. Entomol.* 102: 2192-2197.
 57. Seagraves BL*, Haynes KF, Redmond CT*, Tittle S†, Potter DA (2008) Seasonal biology and management of the maple shoot borer, *Proteoteras aesculana* (Lepidoptera: Tortricidae) in production nurseries. *Pest Manag. Sci.* 64: 1040–1049.
 58. Keathley CP*, Potter DA (2008) Quantitative resistance traits and suitability of woody plant species for a polyphagous scarab, *Popillia japonica* Newman. *Environ. Entomol.* 37: 1548–1557.
 59. George J*, Potter DA (2008) Potential of azadirachtin for managing black cutworms and Japanese beetle grubs in turfgrass. *Acta Horticulturae* 783:499–505.
 60. Potter, D.A., Stokes JT†, Redmond CT*, Schardl CL, Panaccione DG (2008). Contribution of ergot alkaloids to suppression of a grass-feeding caterpillar assessed with gene-knockout endophytes in perennial ryegrass. *Entomol. Exp. Appl.* 126:138–147
 61. Baumler RB†, Potter DA (2007). Knockdown, residual, and antifeedant activity of pyrethroids and home landscape bioinsecticides against Japanese beetles (Coleoptera: Scarabaeidae) on linden foliage. *J. Econ. Entomol.* 100: 451-458.
 62. Romero A, Potter MF, Potter DA, Haynes KF (2007) Insecticide resistance in the bedbug: a factor in the pest's sudden resurgence? *J. Med. Entomol.* 44:175-178.
 63. Potter, D.A. 2007. Managing insect pests of sport fields: What does the future hold? *Acta Horticulturae* 783: 481–498.
 64. George J*, Redmond CT, Royalty RN, Potter DA (2006) Residual effects of imidacloprid on Japanese beetle (Coleoptera: Scarabaeidae) ovipositional behavior, egg hatch, and larval viability in turfgrass. *J. Econ. Entomol.* 100:431-439.

65. Prater CA*, Redmond CT*, Barney WE, Bonning B, Potter DA (2006) Microbial control of the black cutworm (Lepidoptera: Noctuidae) in turfgrass using *Agrotis ipsilon* multiple nucleopolyhedrovirus. J. Econ. Entomol. 99: 1129-1137
66. Robbins, P.S. et al. 2006. Trapping *Phyllophaga* spp. (Coleoptera:Scarabaeidae:Melolonthinae) in the United States and Canada using sex attractants. J. Insect Science 6(39): 1-134 (one of numerous coauthors).
67. Redmond CT*, Potter DA (2006). Silicon fertilization does not enhance creeping bentgrass resistance to black cutworms or white grubs. Applied Turfgrass Sci. doi:10.1094/ATS-2006-1110-01-RS.
68. Hubbard JL*, Potter DA (2005) Life history and natural enemy associations of calico scale, *Eulecanium cerasorum* (Homoptera: Coccidae), in Kentucky. J. Econ. Entomol. 98: 1202-1212.
69. Hubbard JL*, Potter DA (2006) Managing calico scale (Hemiptera: Coccidae) infestations on landscape trees. Arboriculture and Urban Forestry 32: 138-147.
70. Potter DA, Foss L†, Baumler RE†, Held DW* (2005) Managing eastern tent caterpillars, *Malacosoma americanum* (F.), on horse farms to reduce risk of Mare Reproductive Loss Syndrome. Pest Management Science 61: 3-15
71. Potter DA (2005) Prospects for managing destructive turfgrass insects without protective chemicals. Internat. Turfgr. Soc. Res. J. 10: 42-54.
72. Potter DA, Held DW*, Rogers ME* (2005) Natural organic fertilizers as a risk factor for *Ataenius spretulus* infestation on golf courses. Internat. Turfgr. Soc. Res. J. 10: 753-760.
73. Maier RM*, Potter DA (2005). Factors affecting distribution of the mound-building turfgrass ant *Lasius neoniger* (Hymenoptera: Formicidae) and implications for management on golf course putting greens. J. Econ. Entomol. 98: 891-898.
74. Maier RM*, Potter DA (2005) Seasonal mounding, colony development, and control of nuptial queens of the ant *Lasius neoniger* in turfgrass. Applied Turfgrass Sci. Online: doi:10.1094/ATS-2005-0502-01-RS. May 2005.
75. Rogers ME*, Potter DA (2004) Potential for sugar sprays and flowering plants to increase parasitism of white grubs by tephid wasps (Hymenoptera: Tephidae). Environ. Entomol. 33: 619-26.
76. Rogers ME*, Potter DA (2004) Biology of *Tiphia pygidialis*, a parasitoid of masked chafer grubs with notes on the seasonal occurrence of *Tiphia vernalis* in Kentucky. Environ. Entomol. 33: 520-527.
77. Potter DA (2004). Managing insect pests of sport fields: Problems and prospects. Acta Horticulturae 661: 449-461.
78. Held DW*, Potter DA (2004) Floral characteristics affect susceptibility of hybrid tea roses, *Rosa hybrida*, to Japanese beetles (Coleoptera: Scarabaeidae). J. Econ. Entomol. 97: 353-360.
79. Held DW*, Potter DA (2004) Floral affinity and benefits of dietary mixing with flowers for a polyphagous scarab, *Popillia japonica* Newman. Oecologia 140: 312-320.
80. Rogers ME*, Potter DA (2004) Preovipositional behaviors of *Tiphia pygidialis* and *Tiphia vernalis* (Hymenoptera: Tephidae), parasitoids of white grubs. Ann. Entomol. Soc. 97: 607-612.
81. Rogers ME*, Potter DA (2004) Biology and conservation of *Tiphia* wasps, parasitoids of turf-infesting white grubs. Acta Horticulturae 661: 205-210.
82. Rogers ME*, Cole T, Ramaswamy S, Potter DA 2003. Behavioral changes in Japanese beetle and masked chafer grubs following parasitism by tephid wasps. Environ. Entomol. 32: 618-625.
83. Rogers ME*, Potter DA (2003). Effects of spring imidacloprid application for white grub control on parasitism of Japanese beetle by *Tiphia vernalis*. J. Econ. Entomol. 96: 1412-1419
84. Held DW*, Gonsiska P†, Potter DA (2003). Evaluating companion planting and non-host masking

- odors for protecting roses from the Japanese beetle. *J. Econ. Entomol.* 96: 81-87.
85. Held DW*, Potter DA (2003) Characterizing toxicity of *Pelargonum* spp. and two other reputedly toxic plant species to Japanese beetles. *Environ. Entomol.* 32: 873-880.
 86. Kreuger B*, Potter DA (2003) Does early-season defoliation of crabapple (*Malus* sp.) by tent caterpillar induce resistance to Japanese beetles? *J. Entomol. Sci.* 38: 457-467.
 87. López R‡, Potter DA (2003) Biodiversity of ants (Hymenoptera: Formicidae) in golf course and lawn turf habitats in Kentucky. *Sociobiology* 42: 701-714.
 88. Stephens M†, Held DW*, Prater C*, Potter DA (2003) Timing of emergence of eastern tent caterpillars and management with reduced risk insecticides and treatment strategies. *Proc. 1st Symp. on Mare Reproductive Loss Syndrome*, pp. 92-96. D.G. Powell et al. (eds.); Univ. of KY, Lexington, SR-2003-1 (refereed).
 89. Leeson TM†, Potter DA (2003) Eastern tent caterpillar literature having potential relevance to managing Mare Reproductive Loss Syndrome. *Ibid.*; pp. 120-125.
 90. Potter DA, Held DW* (2002) Biology and management of the Japanese beetle. *Annu. Rev. Entomol.* 47: 175-205.
 91. Rogers ME*, Potter DA (2002) Kairomones from scarabaeid grubs and their frass as cues in below ground host location by the parasitoids *Tiphia vernalis* and *Tiphia pygidialis*. *Entomol. Exp. Appl.* 102: 307-314.
 92. Gels JA*, Held DW*, Potter DA (2002) Hazards of insecticides to bumblebees, *Bombus impatiens* Cresson foraging on flowering white clover in turf. *J. Econ. Entomol.* 95: 722-728.
 93. Rowe WJ*, Potter DA, McNeil RE (2002) Susceptibility of purple versus green-leaved cultivars of woody landscape plants to the Japanese beetle. *HortScience* 37: 362-366.
 94. Miller GL, Stoetzel MB, Lopez R‡, Potter DA (2002) *Geoica setulosa* (Passerini) (Homoptera: Aphididae): New distribution records for North America. *Proc. Entomol. Soc. Wash.* 104: 160-163.
 95. Kreuger B*, Potter DA (2001) Thermoregulation and diel feeding activity of Japanese beetles (Coleoptera: Scarabaeidae) within plant canopies. *Environ. Entomol.* 30: 172-180.
 96. Held DW*, Eaton T†, Potter DA (2001) Potential for habituation to a neem based feeding deterrent in Japanese beetles, *Popillia japonica* Newman. *Entomol. Exp. Appl.* 101: 25-B32.
 97. Rogers ME*, Held DW*, Williams DW, Potter DA (2001) Effects of two plant growth regulators on suitability of creeping bentgrass for black cutworms and sod webworms. *Internat. Turf. Soc. Res. J.* 9: 806-809.
 98. Williamson CT*, Potter DA (2001). Survival and development of black cutworm (Lepidoptera: Noctuidae) on creeping bentgrass cultivars. *Internat. Turfgrass Soc. Res. J.* 9: 810-813
 99. Bauerfeind RJ, Haynes KF, Potter DA (2000) Responses of three *Cyclocephala* species to hexane extracts of *Cyclocephala lurida* sex pheromone. *J. Kansas Entomol. Soc.* 72: 246-247.
 100. Lopez R‡ Held DW*, Potter DA (2000) Management of a mound-building ant, *Lasius neoniger* Emery, on golf putting greens using delayed action baits or fipronil. *Crop Science* 40: 511-517.
 101. Rowe WJ*, Potter DA (2000) Shading effects on susceptibility of roses, *Rosa* sp. to defoliation by Japanese beetles, *Popillia japonica* Newman. *Environ. Entomol.* 29: 503-508.
 102. López R‡, Potter DA (2000) Ant predation on eggs and larvae of the black cutworm and Japanese beetle in turfgrass. *Environ. Entomol.* 29: 116-125.
 103. Walston AT†, Held DW*, Mason NR*, Potter DA (2000) Absence of interaction between endophytic perennial ryegrass and susceptibility of Japanese beetle grubs to *Paenibacillus popilliae*. *J. Entomol. Sci.* 36: 105-108
 104. Kunkel BA*, Held DW*, Potter DA (2000) Lethal and sublethal effects of bendiocarb,

- halofenozide, and imidacloprid on *Harpalus pennsylvanicus* DeGeer (Coleoptera: Carabidae) following different modes of exposure in turfgrass. *J. Econ. Entomol.* 94: 60-67.
105. Eliason E*, Potter DA (2000) Impact of whole-canopy and systemic insecticidal treatments on the horned oak gall wasp and associated parasitoids on pin oak. *J. Econ. Entomol.* 93: 165-171
 106. Eliason E*, Potter DA (2000) Dogwood borer (Lepidoptera: Sesiidae) infestation of stem galls induced by *Callirhytis cornigera* (Cynipidae) on pin oak. *J. Econ. Entomol.* 93: 757-762.
 107. Eliason E*, Potter DA (2000) Budburst phenology, plant vigor, and host genotype effects on the leaf-galling generation of *Callirhytis cornigera* (Cynipidae) on pin oak. *Environ. Entomol.* 29:1199-07.
 108. Eliason E*, Potter DA (2000) Biology of *Callirhytis cornigera* (Hymenoptera: Cynipidae) and its associated gall community on pin oak. *Environ. Entomol.* 29: 551-559.
 109. Eliason E*, Potter DA (2000) Biology and management of the horned oak gall wasp. *J. Arboric.* 27: 92-100.
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Invited Articles in National Trade Journals

About 60; many with students as first author. These magazines typically have 10,000-40,000 subscribers; publishing in them brings our research directly to end-users. Examples of trade journals we publish in include Golf Course Management, Grounds Maintenance, U.S. Golf Association Green Section Record, Lawn and Landscape Maintenance, and others. Many of the articles are reprinted in European, Australian, and Asian trade journals bringing our work to practitioners world-wide.

College and Departmental Extension Publications

About 10, mostly coauthored with Extension faculty, these extend our research to end-users

Brief Articles and Research Updates for stakeholder newsletters: hundreds

Professional Service (examples):

International:

Invited member of Scientific Advisory Board for multinational "IPM Popillia" project to slow the spread of Japanese beetle in Europe (sole North American representative on the Board)

For University of Kentucky:

Biological Sciences Area Committee for Promotion and Tenure, two 3-year terms including Chair
 Graduate Council (including Life Sciences Subcommittee Chair)
 Faculty Advisory Committee for UK Chancellor Search
 College Advisory Committee for Promotion and Tenure
 Agriculture Faculty Council, two terms, including Chair
 Search Committees: Associate Dean for Research, Entomology Dept. Chair
 Committees for periodic CSRS reviews of several college departments
 College Curriculum Committee
 College Awards committees (as Chair): Master Teacher Award, Distinguished Lecturer, T.P.
 Cooper Research Award, Outstanding Service to Graduate Students Award
 Numerous Departmental committees

For Professional Societies:

Associate Editor: Environmental Entomology, Applied Turfgrass Science, Acta Horticulturae, Editorial Board, Entomological Society of America Pest Handbook Series
 Chair, Entomological Society of America Award Committees for Distinguished Achievement in Teaching, Urban Entomology, Horticultural Entomology, Integrated Pest Management.
 Judge, ESA President's Prize student paper competitions (many times)
 Ohio Valley Entomological Society, Past President, governing board, & a primary fund-raiser for OVEA student paper forum for past 20 years
 KY Turfgrass Council, KY Nursery Assoc. educational advisor
 Reviewer for >40 national and international scientific journals including Science, Nature, PNAS, Biology Letters, PLoS One, Ecology, Oecologia, Peer J, Frontiers, all ESA journals, many others

For Community:

Co-founder (with K.V. Yeorgan) of the UK/Lexington Fayette Co. community "Night Insect Walk", our Department's signature outreach event; Co-organizer or Group Leader for >35 years. Fayette County Science Fair Lead Judge, judge recruiter, annually since 1994; entomology students comprise largest contingent of judges from any one department at UK.
 Judge: KY State Regional Science Fair; numerous primary school science fairs
 Delivered public UK Saturday Seminars: "Insects of the Home, Yard, and Garden" and "How to Have a Beautiful Lawn" in conjunction with home football games.
 Numerous presentations on insects at elementary schools, summer camps, scout groups

Invited Presentations

Many hundreds of invited lectures throughout the United States and in Canada, Europe, China, Korea, Myanmar, Thailand, South Africa, Brazil, Australia, New Zealand, and elsewhere.

Examples (International):

Keynote Speaker at International Congress of Entomology, Helsinki (2022); European Congress of Entomology, Naples (2018), International Conference on Scientific Management for Sports Fields, Beijing, China (2007) and Athens, Greece (2003) in conjunction with preparation for the 2008 and 2004 Summer Olympic; International Turfgrass Research Conference, Wales, UK(2005), Beijing China (2013); many others

Invited Symposium Speaker at Entomological Society of America National Meeting (about 30 times)

International Symposium on Insect and Plants (5 times, Budapest, Oxford, Thun, Switzerland; Wageningen, Netherlands; Helsingor, Denmark)

Invited Speaker at corporate headquarters of Syngenta, Samsung, Bayer, Rohn & Haas, and other companies

National Conference on Protecting Pollinators in Urban Landscapes (2015, 2017, 2019)

International Conference on Pollinator Biology, Health and Policy (2016)

International Congress of Entomology, Iguassu Falls (2000), Orlando (2017), many others.

Invited US University Research Seminars:

Auburn, Cornell (3x), Clemson, Iowa State, Michigan State, NC State, Ohio State (4 x), Penn State, Purdue, Rutgers, Univ. CA Davis, Univ. FL, Univ. IL, Univ. GA, Univ. Mass, Univ. MD (2x), Univ. WI, many small colleges

Invited Overseas University Seminars: Australia, China (3x), Myanmar, New Zealand (3 x), Korea (2 x), England

Invited Presentations at Trade Conferences (> 500 total); examples:

Am. Soc. Landscape Architects, Arkansas Turf Conf.; Audubon Society, Canadian Golf Superintendent's Assoc., Golf Course Superintendents Assoc. Am., Cincinnati Zoo, Am. Holly Soc., IL Turf Assoc., IN Cemetery Assoc. IN Turf & Landscape Assoc., Mid-Atlantic Turf & Landscape Conf., MD Turf Assoc.; MI Turfgrass Assoc., Midwest Regional Turf Conf. , MN Turf Conf.; National Nursery Inspectors' Conf., National Public Radio; Green Industry Expo, New Zealand Turf Assoc., NC Turf Assoc., Conf.; N.Y. State Turfgrass Assoc.; Ohio Turfgrass Foundation , Ohio Nursery Landscape Assoc., Ontario Turfgrass Conf.; NY State Turfgrass Conference, Penn. Turf Conf.; Professional Lawn Care Network, Purdue Turfgrass Conf.; Rhode Island Turfgrass Conf.; Rutgers Turf Conf., Sierra Club; Southern Cemetery Association; Southern Nursery Assoc.; U.S. Golf Association, Utah State Landscape Conf.; Virginia Turfgrass Assoc. Conf., West Virginia Turfgrass Conf., Wisconsin Turf Conf., and others

Invited In-State Service Teaching, Examples

Annually: KY Turfgrass Council, UK Turfgrass Winter Short Course, KY Nursery Association, Central KY Ornamental and Turf Assoc., UK Professional Turf Management School, UK Turfgrass Field Day, others

Periodically: UK Pest Control Short Course, Pesticide Educator training, UK Women's Club, Grayson-Jockey Club, Lexington Rose Society; various student organizations, others

Other Service

Each year my students and I respond to many hundreds of inquiries about insect pests from extension educators, land care professionals and homeowners, and provide many on-site visits to help landscape managers and private citizens with insect problems.

Graduate Student Development

Major Professor to 48 graduate students:

Graduate students from my lab include 9 University faculty members (including 3 Deans or Station Directors and a Dept. Chair); senior Industry Scientists; USDA scientists; Extension Specialists, Regulatory and State Entomologists, horticultural consultants, high school biology teachers, small business owners, and a veterinarian

Graduate Advisory Committees: About 100 additional students

Other Activities to Enhance Graduate Education

Preparing Future Faculty (GS 650) Guest Panelist –multiple times

Faculty Advisor to UK Entomology graduate student organization

Keynote speaker at College graduate student orientation “How to Succeed in Graduate School”

Career opportunities topical seminars and related field trips

Classroom Teaching:

Horticultural Entomology; 3 credits with lab; Fall Semester, 1980-present, undergraduate
Insect -Plant Relationships (ENT/BIO cross-listed); 3 credits; bi-annually since 1991; graduate
Entomological Career Opportunities and Tools of the Trade (3 times); graduate
Various 1-credit topical seminars (e.g., Insect-plant interactions, Cultural Entomology, Aquatic
Insects & Fly Fishing, etc.); graduate
Independent Study. Supervised 28 undergraduates on research projects for academic credit
Insect Biology for non-majors (ENT 100, one time)

Teaching Evaluations are consistently among the highest in the College of Agriculture, Food, and
Environment