Daniel A. Potter

List of Publications by Category

(* or † *denotes Senior Author was student or Post-doc, respectively, in my laboratory*)

A. Original Textbook:

Potter, D. A. 1998. Destructive Turfgrass Insects: Biology, Diagnosis, and Control. Ann Arbor Press; Chelsea, MI; 366 pp., 32 color plates. Procured by J. Wiley & Sons; revised 2002.

B. Annual Review of Entomology (Invited):

1. Potter, D. A. and S. K. Braman. 1991. Ecology and management of turfgrass insects. Annual Review of Entomology 36: 383-406
2. Potter, D.A. and D.W. Held. 2002. Biology and management of the Japanese beetle. Annual Review of Entomology 47: 175-205.

- Other Invited Reviews and Book Chapters:

1. Potter, D. A. 1979. Reproductive behavior and sexual selection in tetranychine mites. In: Recent Advances in Acarology; J. G. Rodriguez (ed.). Academic, New York.
2. Potter, D. A. 1986. Urban landscape pest management. pp. 219-252. In: Advances in Urban Pest Management. J. M. Owens and G. W. Bennett (eds.). Van Nostrand Reinholdt.
3. Potter, D. A., S. D. Cockfield, and T. Arnold. 1989. Ecological side-effects of pesticide and fertilizer use on turfgrass. pp. 33-44. In: Integrated Pest Management for Turfgrass and Ornamentals. A. R. Leslie and R.L. Metcalf (eds). U.S. EPA, Washington, D.C.
4. Brown, G. C. and D. A. Potter. 1990. The systems approach to integrated pest management with emphasis on the armoured scales. In: Armored Scale Insects. Their Biology, Natural Enemies and Control. vol. B. D. Rosen (ed.) Elsevier, Amsterdam.
5. Potter, D. A., D. Apriyanto, and A. Ajlan. 1990. Pathogen-herbivore interactions mediated by activated resistance in cucumber. In: Insects and Plants. T. Jermy and A. Szentesi (eds.) Akademiai Kiado, Budapest.
6. Potter, D. A. 1992. Abundance and mortality of a specialist leafminer in response to shading and fertilization of American Holly. In: Insect-Plant Relationships. Kluwer, Dordrecht.
7 Potter, D. A. 1993. Pesticide and fertilizer effects on beneficial invertebrates and consequences for thatch degradation and pest outbreaks in turfgrass. pp. 331-343; In: Pesticides in Urban Environments. Fate and Significance. K. D. Racke and A. Leslie (eds.). Am. Chem. Soc., ACS, Washington.
8. Potter, D. A. 1994. Effects of pesticides on beneficial invertebrates in turf. pp. 29-44, In: Handbook of Integrated Pest Management for Turf and Ornamentals. A. R. Leslie (ed). Lewis, Boca Raton, FL.
9. Potter, D. A. 1995. Northern and southern masked chafers. pp. 70-72; In: Handbook of Turfgrass Insect Pests; R. L. Brandenburg and M. G. Villani (eds.); Entomol. Soc. Am.; Lanham, MD.
10. Potter, D. A. 1995. Beneficial and innocuous invertebrates in turf. pp. 101-104, In: Handbook of Turfgrass Insect Pests; Ibid. Entomol. Soc. Am.; Lanham, MD
11. Potter, D. A. 1997. Managing scarabaeid pests of turfgrasses: problems and prospects. pp. 124-129, In: Soil Invertebrates. Allsopp, P.G., Rogers, D.J., and L.N. Robertson (eds.). BSES, Brisbane, Australia.
12. Potter, D.A. 1999. Japanese beetle, *Popillia japonica* Newman. CAB Internat. Global Crop Prot. Compen., Wallingford, UK
13. Potter, D.A., R.C. Williamson, K.F. Haynes, and A.J. Powell, Jr. 2000. Cultural control, risk assessment, and environmentally-responsible management of scarab grubs and cutworms in turfgrass. pp. 383-396, In: J.M. Clark and M.P. Kenna (eds.) Fate and management of turfgrass chemicals. ACS Symp. Series 743; ACS, Washington, DC
14. Potter, D.A. and D.W. Held. 2003. June Beetles (*Phyllophaga* spp.) Encyclopedia of Insects, V. Resh and R. Cardé (eds.). Academic Press, pp. 610-611.

*15. Held, D.W. and D.A. Potter. 2003. Japanese beetle. Ibid; pp. 606-610.
*16. Held D.W. and D.A. Potter. 2004. June beetles (*Phyllophaga* spp.). Encyclopedia of Entomology, J. Capinera (ed.). Kluwer, pp. 1225-1228.
*17. Rogers, M.E. and D.A. Potter. 2004. Tiphiidae parasitic on white grubs. Ibid. 2269-2271.
18. Potter, D.A. 2004. Clearwing borers (Sesiidae). Ibid. 1259-1261.
19. Potter, D.A. 2004. Japanese beetle. Encyclopedia of Entomology. Ibid. 1215-1217.

D. Refereed Journal Articles (Numbers denote chronological order of publication)

Japanese Beetles (adults):

*28. Gordon, F. C. and D. A. Potter. 1985. Efficiency of Japanese beetle traps in reducing defoliation of plants in the urban landscape and effect on larval density in turf. J. Econ. Entomol. 78: 774-778.
*34. Gordon, F. C. and D. A. Potter. 1986. Japanese beetle traps: evaluation of single and multiple arrangements for reducing defoliation in the urban landscape. J. Econ. Entomol. 79: 1381-1384.
*77. Harper, C. and D. A. Potter. 1994. Deterrence of neem-based insecticides to Japanese beetles on six preferred host plants. Proc. S. Nursery Assoc. Res. Conf. 39: 60-63.
*82. Spicer, P. G., D. A. Potter, and R. G. McNiel. 1995. Resistance of crabapple cultivars to defoliation the Japanese beetle. J. Econ. Entomol. 88: 979-985.
*85. Loughrin, J. R., D. A. Potter, and T. Hamilton-Kemp. 1995. Feeding-induced volatiles of *Malus* spp. leaves as aggregation kairomones for the Japanese beetle. J. Chem. Ecol. 21: 1457-1467.
*88. Potter, D. A., J. R. Loughrin, W. J. Rowe, and T. Hamilton-Kemp. 1995. Why do Japanese beetles defoliate trees from the top down? Entomol. Exper. Appl. 80: 209-212.
†90. Loughrin, J. H., D. A. Potter, T. R. Hamilton-Kemp, and M. E. Byers. 1996. Volatile compounds from crabapple (*Malus* spp.) cultivars differing in susceptibility to the Japanese beetle. J. Chem. Ecol. 22: 1295-1305.
*91. Rowe, W. J. and D. A. Potter. 1996. Vertical stratification of feeding by Japanese beetles within linden tree canopies: selective foraging or height *per se*? Oecologia 108: 459-466.
†92. Loughrin, J. H., D. A. Potter, T. R. Hamilton-Kemp, & M. E. Byers. 1996. Role of feeding-induced plant odors in aggregative behavior of the Japanese beetle. Environ. Entomol. 25: 1188-1191.
†94. Loughrin, J. H., D. A. Potter, T. R. Hamilton-Kemp, and M. E. Byers. 1997. Response of Japanese beetles to leaf volatiles of susceptible and resistant maple species. Environ. Entomol. 26: 334-342.
†95. Loughrin, J. H., D. A. Potter, T. R. Hamilton-Kemp, and M. E. Byers. 1997. Diurnal emission of volatile compounds by Japanese beetle-damaged grape leaves. Phytochemistry 45: 919-923.
†99. Loughrin, J. H., D. A. Potter, and T. R. Hamilton-Kemp. 1998. Attraction of Japanese beetles to host plant volatiles in field trapping experiments. Environ. Entomol. 27: 95-400.
101. Potter, D.A., P. G. Spicer, D. Held, and R.E. McNiel. 1998. Relative susceptibility of cultivars of flowering crabapple, linden, and rose to defoliation by Japanese beetles. J. Environ. Hort.16: 105-110.
*101. Keathley, C. P., D. A. Potter, and R. L. Houtz. 1999. Freezing-altered palatability of Bradford pear to Japanese beetle: evidence for decompartmentalization and enzymatic degradation of feeding deterrents. Entomol. Exp. Appl. 90: 49-59.
104. Potter, D.A. and D. Held. 1999. Absence of food-aversion learning by a polyphagous scarab, *Popillia japonica* , following intoxication by geranium, *Pelargonium× hortorum*. Entomol. Exp. Appl. 91: 83-88
*108. Rowe, W.J. and D.A. Potter. 2000. Shading effects on susceptibility of roses, *Rosa* sp. to defoliation by Japanese beetles, *Popillia japonica* Newman. Environ. Entomol. 29:503–508.
*119. Kreuger B.and D. A. Potter. 2001. Thermoregulation and diel feeding activity of Japanese beetles (Coleoptera: Scarabaeidae) within plant canopies. Environ. Entomol. 30: 172-180.
*120. Held, D.W. T. Eaton, and D.A. Potter. 2001. Potential for habituation to a neem based feeding deterrent in Japanese beetles, *Popillia japonica* Newman. Entomol. Exp. Appl.101: 25–32.
*121. Rowe, W.J. II., D.A. Potter, and R.E. McNiel. 2002 . Susceptibility of purple versus green-leaved cultvars of woody landscape plants to the Japanese beetle. HortScience 37: 362-366.

*128. Held, D.W., P. Gonsiska, and D.A. Potter. 2003. Evaluating companion planting and non-host masking odors for protecting roses from the Japanese beetle. J. Econ. Entomol. 96: 81-87.
*131. Held, D.W. and D.A. Potter. 2003. Characterizing toxicity of *Pelargonum* spp. and two other reputedly toxic plant species to Japanese beetles. Environ. Entomol. 32: 873-880.
*132. Kreuger, B. and D.A. Potter. 2003. Does early-season defoliation of crabapple (*Malus* sp.) by eastern tent caterpillar induce resistance to Japanese beetles? J. Entomol. Sci. 38: 457-467.
*133. Held, D.W. and D.A. Potter. 2004. Floral characteristics affect susceptibility of hybrid tea roses, *Rosa hybrida*, to Japanese beetles (Coleoptera: Scarabaeidae). J. Econ. Entomol. 97: 353-360.
*138. Held, D.W. and D.A. Potter. 2004. Floral affinity and benefits of dietary mixing with flowers for a polyphagous scarab, *Popillia japonica* Newman. Oecologia 140: 312-320.

Biology and Management of White Grubs

7. Potter, D. A. 1980. Flight activity and sex attraction of northern and southern masked chafers in Kentucky turfgrass. Ann. Entomol. Soc. Am. 73: 414-17.
11. Potter, D. A. 1981. Seasonal emergence and flight of northern and southern masked chafers in relation to air and soil temperatures and rainfall patterns. Environ. Entomol. 10: 793-97.
12. Potter, D. A. 1981. Influence of feeding by grubs of the southern masked chafer on quality and yield of Kentucky bluegrass. J. Econ. Entomol. 75: 21-24.
18. Potter, D. A. 1983. Effect of soil moisture on oviposition, water absorption, and survival of masked chafer eggs. Environ. Entomol. 12: 1223-1227.
21. Potter, D. A. and F. C. Gordon. 1984. Susceptibility of *Cyclocephala immaculata* eggs and immatures to heat and drought in turfgrass. Environ. Entomol. 13: 794-799.
†58. Patterson, C. G. and D. A. Potter. 1991. Feeding deterrency of alkaloids from endophyte-infected grasses to Japanese beetle grubs. Entomol. exp. appl. 61: 285-289.
*60. Month**J**an, C. and D. A. Potter. 1991. Effects of RH5849, a novel insect growth regulator, on Japanese beetle and fall armyworms in turfgrass. J. Econ. Entomol. 85: 507-513.
*61. Potter, D. A., C. G. Patterson, and C. T. Redmond. 1991. Feeding ecology of Japanese beetle and southern masked chafer grubs (Coleoptera: Scarabaeidae): Influence of turfgrass species and tall fescue endophyte. J. Econ. Entomol. 85: 900-909.
62. Haynes, K. F., D. A. Potter, and J. T. Collins. 1991. Attraction of male beetles to grubs: Evidence for evolution of a sex pheromone from larval odor. J. Chem. Ecol. 18: 1117-1124.
69. Potter, D. A. and K. F. Haynes. 1993. Field testing pheromone traps for predicting masked chafer grub density in golf course turf and home lawns. J. Entomol. Sci. 28: 205-212.
*75. Crutchfield, B. A. and D. A. Potter. 1994. Preferences of Japanese beetle and southern masked chafer (Coleoptera: Scarabaeidae) grubs among cool-season turfgrasses. J. Entomol. Sci. 29: 398-406.
79. Haynes, K. F. and D. A. Potter. 1995. Sexual response of a male scarab beetle to larvae suggests a novel evolutionary origin for a pheromone. American Entomologist 41: 169-175. (Invited Feature)
*80. Crutchfield, B. A., D. A. Potter, and A. J. Powell. 1995. Irrigation and fertilization effects on white grub feeding injury to tall fescue turf. Crop Science 35: 1122-1126.
*83. Crutchfield, B. A. and D. A. Potter. 1995. Damage relationships of Japanese beetle and southern masked chafer grubs in cool-season turfgrasses. J. Econ. Entomol. 88: 1049-1056.
*84. Crutchfield, B. A. and D. A. Potter. 1995. Tolerance of cool-season turfgrasses to feeding by grubs of the Japanese beetle and southern masked chafer. J. Econ. Entomol. 88: 1380-1387.
*86. Crutchfield, B. A. and D. A. Potter. 1995. Feeding by Japanese beetle and southern masked chafer on lawn weeds. Crop Sci. 35: 1681-1684.
87. Haynes, K. F. and D. A. Potter. 1995. Chemically-mediated sexual attraction of male *Cyclocephala lurida* and other scarabaeid beetles to immature stages. Environ. Entomol. 24: 1302-1306.
89. Potter, D. A., A. J. Powell, P. G. Spicer, and D. W. Williams. 1996. Cultural practices affect root feeding white grubs (Coleoptera: Scarabaeidae) in turfgrass. J. Econ. Entomol. 89: 156-164.

112. Bauerfeind, R.J., K.F. Haynes, and D.A. Potter. 2000. Responses of three *Cyclocephala* species to hexane extracts of *Cyclocephala lurida* sex pheromone. J. Kansas Entomol. Soc. 72: 246–247.
142. Potter, D.A., D.W. Held, and M.E. Rogers. 2005. Natural organic fertilizers as a risk factor for *Ataenius spretulus* infestation on golf courses. Internat. Turfgr. Soc. Res. J. 10: 753-760.

Cutworms, Ants, Miscellaneous Other Turfgrass Pests

*10. Jackson, D. W., K. J. Vessels, and D. A. Potter. 1981. Resistance of selected cool and warm season turfgrasses to the greenbug. Hortscience 16: 558-59.
25. Potter, D. A., B. L. Bridges, and F. C. Gordon. 1985. Effect of nitrogen fertilization on earthworm and microarthropod populations in Kentucky bluegrass turf. Agron. J. 77: 367-372.
26. Johnson, M. C., D. L. Dahlman, M. R. Siegel, L. P. Bush, G. C. M. Latch, D. A. Potter, and D. R. Varney. 1985. Insect feeding deterrents in endophyte-infected tall fescue. Appl. Environ. Microbiol. 49: 568-571.
*78. Davidson, A. W. and D. A. Potter. 1995. Response of plant-feeding, predatory, and soil-inhabiting invertebrates to *Acremonium* endophyte and nitrogen fertilization in tall fescue turf. J. Econ. Entomol. 88: 367-379.
*93. Williamson, R. C. and D. A. Potter. 1997. Oviposition of black cutworm (Lepidoptera: Noctuidae) on creeping bentgrass putting greens and removal of eggs by mowing. J. Econ. Entomol. 90: 590-594.
*96. Williamson, R. C. and D. A. Potter. 1997. Turfgrass species and endophyte effects on survival, development, and feeding preference of black cutworms. J. Econ. Entomol. 90: 1291-1299.
*97. Williamson, R. C. and D. A. Potter. 1997. Nocturnal activity and movement of black cutworms and response to cultural manipulations on golf course putting greens. J. Econ. Entomol. 90: 1283-89.
†105.Lopez, R., D.W. Held, and D. A. Potter. 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.
*115. Rogers, Michael E., D.W. Held, D.W. Williams, and D.A. Potter. 2001. Effects of two plant growth regulators on suitability of creeping bentgrass for black cutworms and sod webworms. Internat. Turfgr. Soc. Res. J. 9: 806-809.
*122. Williamson, C.T. and D.A. Potter. 2001. Survival and development of black cutworm (Lepidoptera: Noctuidae) on creeping bentgrass cultivars. Internat. Turfgrass Soc. Res. J. 9: 810-813.
123. Miller, G.L.. M.B. Stoetzel, R. Lopez, and D.A. Potter. 2002. *Geoica setulosa* (Passerini) (Homoptera: Aphididae): New distribution records for North America. Proc. Entomol. Soc. Wash. 104: 160–163.
*134. López, R. and D.A. Potter. 2003. Biodiversity of ants (Hymenoptera: Formicidae) in golf course and lawn turf habitats in Kentucky. Sociobiology 42: 701–714.
*145. Maier, R.M. and D.A. Potter. 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.
*146. Maier, R.M. and D.A. Potter, 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.
*149. Redmond, C.T. and D.A. Potter. 2006. Silicon fertilization does not enhance creeping bentgrass resistance to black cutworms or white grubs. Applied Turfgrass Sci. *In Press*.

Turf-Related Keynote Address Papers (Peer-reviewed)

67. Potter, D. A. 1993. Integrated insect management for turfgrasses: prospects and problems. Internat. Turfgrass Res. J. 7: 69-79.
139. Potter, D.A. 2004. Managing insect pests of sport fields: Problems and prospects. Acta Horticulturae 661: 449-461.

143. Potter, D.A. 2005. Prospects for managing destructive turfgrass insects without protective chemicals. Internat. Turfgr. Soc. Res. J. 10: 42-54.

Biological Control for Turf and Landscapes

*16. Warren, G. W. and D. A. Potter. 1982. Pathogenicity of *Bacillus popilliae* (Cyclocephala strain) and other milky disease bacteria in grubs of the southern masked chafer (Coleoptera: Scarabaeidae). J. Econ. Entomol. 76: 69-73.

*19. Cockfield, S. D. and D. A. Potter. 1983. Short-term effects of insecticidal applications on predaceous arthropods and oribatid mites in Kentucky bluegrass turf. Environ. Entomol. 12: 1260-1264.

*22. Cockfield, S. D. and D. A. Potter. 1984. Predatory insects and spiders from suburban lawns in Lexington, Kentucky. Great Lakes Entomol. 17: 179-184.

*23. Cockfield, S. D. and D. A. Potter. 1984. Predation on sod webworm eggs as affected by chlorpyrifos application to turfgrass. J. Econ. Entomol. 77: 1542-1544.

*24. Cockfield, S. D. and D. A. Potter. 1985. Predatory arthropod communities in high and low maintenance turfgrass. Can. Entomol. 117: 423-429.

†65. Gilmore, S. K. and D. A. Potter. 1993. Potential role of Collembola as biotic mortality agents for entomopathogenic nematodes. Pedobiologia. 37: 30-38.

*81. Redmond, C. T. and D. A. Potter. 1995. Lack of efficacy of i*n vivo*- and putatively i*n vitro*-produced *Bacillus popilliae* against field populations of Japanese beetle grubs in Kentucky. J. Econ. Entomol. 88: 846-854.

†106.López, R. and D. A. Potter. 2000. Ant predation on eggs and larvae of the black cutworm and Japanese beetle in turfgrass. Environ. Entomol. 29: 116–125.

*114. Walston, A. T., D. W. Held, N. R. Mason, and D. A. Potter. 2000. Absence of interaction between endophytic perennial ryegrass and susceptibility of Japanese beetle grubs to *Paenibacillus popilliae*. J. Entomol. Sci. 36: 105–108

*125. Rogers, M.E. and D.A. Potter. 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.

*129. Rogers, M.E., T. Cole, S. Ramaswamy, and D.A. Potter. 2003. Behavioral changes in Japanese beetle and masked chafer grubs following parasitism by tiphiid wasps. Environ. Entomol. 32: 618-625.

*130. Rogers, M.E. and D.A. Potter. 2003. Effects of spring imidacloprid application for white grub control on parasitism of Japanese beetle by *Tiphia vernalis*. J. Econ. Entomol. 96: 1412-1419.

*135. Rogers, M.E. and D.A. Potter. 2004. Potential for sugar sprays and flowering plants to increase parasitism of white grubs by tiphiid wasps. Environ. Entomol. 33: 619-26.

*136. Rogers, M.E. and D.A. Potter. 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.

*137. Rogers, M.E. and D.A. Potter. 2004. Preovipositional behaviors of *Tiphia pygidialis* and *Tiphia vernalis* (Hymenoptera: Tiphiidae), parasitoids of white grubs. Ann. Entomol. Soc. 97: 607-612.

*140. Rogers, M.E. and D.A. Potter. 2004. Biology and conservation of *Tiphia* wasps, parasitoids of turf-infesting white grubs. Acta Horticulturae 661: 205-210.

*148. Prater, C.A., C.T. Redmond, W.E. Barney. B. Bonnig, and D.A. Potter. 2006. Micobial control of the black cutworm (Lepidoptera: Noctuidae) in turfgrass using *Agrotis ipsilon* multiple nucleopolyhedrovirus. J. Econ. Entomol. *In Press*.

Wood Borers:

*9. Timmons, G. M. and D. A. Potter. 1981. Influence of trap color on capture of male lilac borers with synthetic pheromone. Environ. Entomol. 10: 756-59.

13. Potter, D. A. and G. M. Timmons. 1981. Factors affecting predisposition of flowering dogwoods to

attack by the dogwood borer. Hortscience 16(5): 677-79.

14. Potter, D. A. and G. M. Timmons. 1982. Forecasting emergence and flight of the lilac borer based on pheromone trapping and degree-day accumulations. Environ. Entomol. 12: 400-403.

17. Potter, D. A. and G. M. Timmons. 1982. Biology and management of clearwing borers in woody plants. J. Arboric. 9: 145-150.

20. Potter, D. A. and G. M. Timmons. 1983. Flight phenology of the dogwood borer (Lepidoptera: Sessiidae) and implications for control in *Cornus florida* L. J. Econ. Entomol. 76: 1069-1074.

29. Nielsen, D. G., E. R. Hart, M. E. Dix, M. J. Linit, J. E. Appleby, M. Ascerno, D. L. Mahr, D. A. Potter, and J. A. Jones. 1985. Common street trees and their pest problems in the north central United States. J. Arboric. 11: 225-23230.

*39. Dunn, J. P., T. W. Kimmerer, and D. A. Potter. 1987. Winter starch reserves of white oak as a predictor of attack by the twolined chestnut borer, *Agrilus bilineatus* (Weber) Oecologia 74: 352-355.

41. Potter. D. A., G. M. Timmons, and F. C. Gordon. 1988. Flat-headed apple tree borer in nursery grown red maples: Phenology of emergence, treatment timing, and response to stressed trees. J. Environ. Hort. 6: 18-22.

*44. Dunn, J. P. and D. A. Potter. 1988. Evidence for sexual attraction by the twolined chestnut borer, *Agrilus bilineatus* Weber (Coleoptera: Buprestidae). Can. Entomol. 120: 1037-1039.

*49. Dunn, J. P., D. A. Potter, and T. W. Kimmerer. 1990. Attraction of the twolined chestnut borer (Buprestidae) to scarlet oaks infected with chestnut blight fungus. Environ. Entomol. 19: 239-243.

*51. Dunn, J. P., D. A. Potter, and T. W. Kimmerer. 1990. Carbohydrate reserves, defense allocation, and mechanisms of resistance of oak to wood borer attack. Oecologia 83: 458-468.

*53. Dunn, J. P. and D. A. Potter. 1990. Can tree susceptibility to borers be predicted from root starch measurements? J. Arboric. 16: 236-239.

*59. Dunn, J. P. and D. A. Potter. 1991. Synergistic effects of oak volatiles with ethanol in the capture of saprophagous wood borers. J. Entomol. Sci. 26: 425-429.

73. Potter, D. A. and J. R. Hartman. 1993. Susceptibility of honeylocust cultivars to *Thyronectria austro-americana* and response of *Agrilus* borers and bagworms to infected and non-infected trees. J. Environ. Hort. 11: 176-181.

Scale Insects

*33. Cockfield, S. D. and D. A. Potter. 1986. Interaction of euonymus scale feeding damage and severe water stress on leaf abscission and growth of *Euonymus fortunei*. Oecologia 71: 41-46.

*37. Cockfield, S. D. and D. A. Potter. 1987. Distribution, development and feeding impact of euonymus scale on *Euonymus fortunei* under greenhouse conditions. Environ. Entomol. 16: 917-921.

*38. Cockfield, S. D., D. A. Potter and R. L. Houtz. 1987. Chlorosis and reduced photosynthetic CO_2 assimilation of *Euonymus fortunei* infested with euonymus scale. Environ. Entomol. 16: 1314-1318.

*43. Gordon, F. C. and D. A. Potter. 1988. Seasonal biology of the walnut scale, *Quadraspitiotus juglansregiae* and associated parasites on red maple. J. Econ. Entomol. 81: 1181-1185.

45. Potter, D. A., M. P. Jensen, and F. C. Gordon. 1989. Phenology and degree day relationships of the obscure scale and associated parasites on pin oak in Kentucky. J. Econ. Entomol. 82: 551-555.

*50. Cockfield, S. D. and D. A. Potter. 1990. Impact of euonymus scale on plant growth and leaf abscission, and implications for differential site selection by male and female scales. J. Econ. Entomol. 83: 995-1001.

*55. Cockfield, S. D. and D. A. Potter. 1990. Patterns of damage to woody plants caused by armored scale insects: and example with euonymous scale. J. Arboric. 16: 239-241.

*144. Hubbard, J.L. and D.A. Potter. 2005. Life history and natural enemy associations of calico scale, *Eulecanium cerasorum* (Homoptera: Coccidae), in Kentucky. J. Econ. Entomol. 98: 1202-1212.

*147. Hubbard, J.L. and D.A. Potter. 2006. Managing calico scale (Hemiptera: Coccidae) infestations on landscape trees. Arboriculture and Urban Forestry. *In Press.*

Leafminers and Gall-makers on Trees

27. Potter, D. A. 1985. Population regulation of the native holly leafminer, *Phytomyza ilicicola* Loew (Diptera: Agromyzidae) on American holly. Oecologia 66: 599-505.
30. Potter, D. A. and F. C. Gordon. 1985. Parasites associated with the native holly leafminer, *Phytomyza ilicicola* Loew on American holly in Kentucky. J. Kans. Entomol. Soc. 58: 727-730.
32. Potter, D. A. and T. W. Kimmerer. 1986. Seasonal allocation of defense investment in *Ilex opaca* Aiton and constraints on a specialist leafminer. Oecologia 69: 217-224.
36. Kimmerer, T. W. and D. A. Potter. 1987. Nutritional quality of specific leaf tissues and selective feeding by a specialist leafminer. Oecologia 71: 548-551.
46. Potter, D. A. and T. W. Kimmerer. 1989. Inhibition of herbivory on young holly leaves: evidence for the defensive role of saponins. Oecologia 78: 322-329.
47. Potter, D. A. and C. T. Redmond. 1989. Early spring defoliation, secondary leaf flush, and leafminer outbreaks on American holly. Oecologia 81: 192-197.
64. Potter, D. A. 1992. Abundance and mortality of a specialist leafminer in response to experimental shading and fertilization of American holly. Oecologia 91: 14-22.
*107. Eliason, E. and D.A. Potter. 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
*109. Eliason, E. and D.A. Potter. 2000 Dogwood borer (Leidoptera: Sesiidae) infestation of stem galls induced by *Callirhytis cornigera* (Cynipidae) on pin oak. J. Econ. Entomol. 93: 757-762.
*110. Eliason, E. and D.A. Potter. 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.
*111. Eliason, E. and D.A. Potter. 2000. Biology of *Callirhytis cornigera* (Hymenoptera: Cynipidae) and its associated gall community on pin oak. Environ. Entomol. 29: 551-559.
*113. Eliason, E. and D.A. Potter. 2000. Biology and management of the horned oak gall wasp. J. Arboric. 27: 92-100.
*116. Eliason, A.A. and D.A. Potter. 2000. Spatial distribution and parasitism of leaf galls induced by *Callirhytis cornigera* (Hymenoptera: Cynipidae) on pin oak in Kentucky. Environ. Entomol. 30: 280-87

Tree-feeding Caterpillars; Mare Reproductive Loss Syndrome

*31. Cox, D. L. and D. A. Potter. 1986. Aerial dispersal behavior of the bagworm, *Thyridopteryx ephemeraeformis* (Lepidoptera: Psychidae). Can. Entomol. 118: 525-535.
40. Potter. D. A. and T. W. Kimmerer. 1988. Do holly leaf spines really deter herbivory? Oecologia 75: 216-221.
*42. Cox, D. L. and D. A. Potter. 1988. Within-crown distributions of male and female bagworm (Lepidoptera: Psychidae) pupae as affected by host defoliation. Can. Entomol. 120: 559-567.
*54. Cox, D. L. and D. A. Potter. 1990. Aerial dispersal behavior of the bagworm. J. Arboric. 16: 242-243.
72. Johnson, M., D. A. Potter, and G. Gilmore. 1993. Suitability of juniper cultivars for survival and growth of the bagworm. J. Environ. Hort. 11: 167-170.
*126. Stephens, M, D.W. Held, C. Prater, and D.A. Potter. 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).
*127. Leeson, T. M. and D.A. Potter. 2003. Eastern tent caterpillar literature having potential relevance to managing Mare Reproductive Loss Syndrome. Ibid.; pp. 120-125.
141. Potter, D.A., L. Foss, R.E. Baumler, and D.W. Held. 2005. Managing eastern tent caterpillars, *Malacosoma americanum* (F.), on horse farms to reduce risk of Mare Reproductive Loss Syndrome. Pest Manag. Sci. 61: 3-15

Spider Mites

1. Potter, D. A., D. L. Wrensch and D. E. Johnston. 1976. Aggression and mating success in male spider

mites. Science 193: 160-61.

2. Potter, D. A., D. L. Wrensch and D. E. Johnston. 1976. Guarding, aggressive behavior and mating success in male twospotted spider mites. Ann. Entomol. Soc. Am. 69: 707-11.

5. Potter D. A. 1978. Functional sex ratio in the carmine spider mite. Ann. Entomol. Soc. Am. 71: 218-22.

6. Potter, D. A. and D. L. Wrensch. 1978. Interrupted matings and the effectiveness of second inseminations in the twospotted spider mite. Ann. Entomol. Soc. Am. 71: 882-85.

8. Potter, D. A. 1981. Agonistic behavior in spider mites: factors affecting frequency and intensity of fighting. Ann. Entomol. Soc. Am. 74: 138-43.

15. Potter, D. A. and R. G. Anderson. 1982. Resistance of ivy geraniums to the twospotted spider mite. J. Am. Soc. Hort. Sci. 107: 1089-1092.

*100. Mason, N.R., D.A. Potter, and R.E. McNiel. 1998. What factors affect twospotted spider mite populations on burning bush? S. Nurs. Assoc Res. Conf. 43: 179-182.

*118. Held, D.W., D.A. Potter, R. S. Gates, and R.G. Anderson. 2000. Controlled atmosphere anoxia treatments as a potential disinfestation technique for arthropod pests in greenhouses. J. Econ. Entomol. 94: 430-438.

Landscape & Nursery IPM

70. Potter, D. A. and P.G. Spicer. 1993. Seasonal phenology, management, and host preferences of potato leafhopper on nursery-grown maples. J. Environ. Hort. 11: 101-106.

*98. Mussey, G. J. and D. A. Potter. 1997. Phenological correlations between flowering plants and activity of urban landscape pests in Kentucky. J. Econ. Entomol. 90: 1615-1627.

Ecotoxicology and Lawn Ecology

*35. Arnold, T. B. and D. A. Potter. 1987. Impact of a high maintenance lawn care program on non-target invertebrates in Kentucky bluegrass turf. Environ. Entomol. 16: 100-105.

48. Potter, D. A., A. J. Powell, and M. S. Smith. 1990. Degradation of turfgrass thatch by earthworms and other soil invertebrates. J. Econ. Entomol. 83: 205-211.

52. Potter, D. A., M. C. Buxton, C. T. Redmond, C. G. Patterson, and A. J. Powell. 1990. Toxicity of pesticides to earthworms and effect on thatch degradation in Kentucky bluegrass turf. J. Econ. Entomol. 83: 2362-2369.

*66. Terry, L. A., D. A. Potter, and P. G. Spicer. 1993. Insecticides affect predatory arthropods and predation on Japanese beetle (Coleoptera: Scarabaeidae) eggs and fall armyworm (Leidoptera: Noctuidae) pupae in turfgrass. J. Econ. Entomol. 86: 871-878.

71. Potter, D. A., P. G. Spicer, C. T. Redmond, and A. J. Powell. 1993. Toxicity of pesticides to earthworms in Kentucky bluegrass turf. Bull. Environ. Contam. Toxicol. 52: 176-181.

*103. Kunkel, B.A., D.W. Held, and D.A. Potter. 1999. Impact of halofenozide, imidacloprid, and bendiocarb on beneficial invertebrates and predatory activity in turfgrass. J. Econ. Entomol. 92: 922-930.

*117. Kunkel, B.A., D.W. Held, and D. A. Potter. 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.

*124. Gels, J.A., D.W. Held, and D.A. Potter. 2002. Hazards of insecticides to bumblebees, *Bombus impatiens* Cresson foraging on flowering white clover in turf. J. Econ. Entomol. 95: 722-728.

Insect-Plant Relationships

*56. Apriyanto, D. and D. A. Potter. 1990. Pathogen-activated induced resistance of cucumber: response of arthropod herbivores to systemically protected leaves. Oecologia 85: 25-31.

*57. Ajlan, A. M. and D. A. Potter. 1991. Does immunization of cucumber against anthracnose by *Colletotrichum lagenarium* affect host suitability for arthropods? Entomol. exp. appl. 58: 83-91.

*63. Ajlan, A. M. and D. A. Potter. 1992. Pathogen-activated induced resistance of tobacco: response of

arthropod herbivores to systemically protected leaves. Phytopathology 82: 647-651.

*74. Kreuger, B. and D. A. Potter. 1993. Fruit color in American holly: is red for warning or advertisement? J. Amer. Holly Soc. 11: 3-9.

*76. Kreuger, B. and D. A. Potter. 1994. Changes in saponins and tannins in ripening holly fruits and effects of fruit consumption on nonadapted insect herbivores. Amer. Midl. Nat. 132: 183-191

Teaching and Outreach

68. Potter, D. A. and K. V. Yeargan. 1993. Night insect walks bring out the adventurous. Amer. Entomol. 39: 70-71.

Systematics

3. Potter, D.A. and D. E. Johnston. 1976. *Canestriniphis megalodacne* n.g., n.sp. (Acari: Eviphididae) from a pleasing fungus beetle, *Megalodacne heros*. Ann. Entomol. Soc. Am. 69: 494-96.

4. Potter, D. A. and D. E. Johnston. 1978. *Raillietia whartoni* sp.n. (Acari: Mesostigmata) from the Uganda kob. J. Parasitology 64: 139-42.

E. **Experiment Station Bulletins** coauthored with Extension colleagues: 10

F. **Abstracts and Conference Proceedings**: about 190

G. **Invited Articles in National Trade Magazines**: 36 (includes 8 as junior author with students). Magazines include Golf Course Management; USGA Green Section Record, Grounds Maintenance; Sport Turf Management; Lawn and Landscape Maintenance, Am. Nursery, others