



~ Published Manuscripts ~  
(By Year)  
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Authors/Scientists

Stephen F. Garczynski  
James D. Hansen  
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Lisa G. Neven  
Thomas R. Unruh  
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## **2002 Publication List:**

Brunner, J., S. Welter, C. Calkins, R. Hilton, E. Beers, J. Dunley, T. Unruh, A. Knight, R. VanSteenwyck, and P. Van Buskirk. 2002. Mating disruption of codling moth: a perspective from the western United States. *IOBC wprs Bulletin* 25 (9): 11-21.

Hansen, J. D. 2002. Effect of cold treatment on survival and development of codling moth (Lepidoptera: Tortricidae) in cherry. *J. Econ. Entomol.* 95: 208-213.

Hansen, J. D. 2002. Effect of cold storage treatments on the mortality of eggs and feeding larvae of the oriental fruit moth. *HortTechnology* 12: 203-205.

Hansen, J. D., D. J. Albano, and M. L. Heidt. 2002. Efficacy of using in-carton fumigation with the quarantine treatment against codling moth on apples intended for export to Japan. *HortTechnology* 12: 441-443.

Hansen, J. D., S. R. Drake, and M. L. Heidt. 2002. Codling moth survival in cherry: effect of cultivars and fruit maturity. *J. Amer. Pomol. Soc.* 56: 156-163.

Hansen, J. D., S. R. Drake, and G. F. Simmons. 2002. Fruit quality of cold stored sweet cherries infested with codling moth. *J. Food Qual.* 25: 533-540.

Hansen, J. D., and M. L. Heidt. 2002. Laboratory infestation of sweet cherry by codling moth (Lepidoptera: Tortricidae): factors affecting survival. *J. Agric. Urban. Entomol.* 19: 173-181.

Hansen, J. D., and S. Schievelbein. 2002. Apple sampling in packing house support the systems approach for export quarantine. *Southwest. Entomol.* 27: 277-282.

Horton, D. R. and P. J. Landolt. 2002. Orientation response of Pacific Coast wireworm (Coleoptera: Elateridae) to food baits in the laboratory and effectiveness of baits in the field. *Can. Entomol.* 134: 357-367.

Horton, D. R., T. M. Lewis, and T. Hinojosa. 2002. Copulation duration in three species of *Anthocoris* (Heteroptera: Anthocoridae) at different temperatures and effects on insemination and ovarian development. *Pan-Pacific Entomol.* 78:43-55.

Horton, D. R., D. A. Broers, R. R. Lewis, D. Granatstein, R. S. Zack, T. R. Unruh, A. R. Moldenke, and J. J. Brown. 2002. Effects of moving frequency on densities of natural enemies in three Pacific Northwest pear orchards. *Entomologia Experimentalis et Applicata.* 106: 135-145.

Ikediala, J. N., J. D. Hansen, J. Tang, S. R. Drake, and S. Wang. 2002. Development of a saline water immersion technique with RF energy as a postharvest treatment against codling moth in cherry. *Postharv. Biol. Technol.* 24: 209-221.

- Knight, A. L., R. P. J. Potting, and D. Light. 2002. Modeling the impact of a sex pheromone/kairomone attracticide for management of codling moth (*Cydia pomonella*). *Acta Hort.* 584: 215-220.
- Landolt, P. J. 2002. Survival and development of *Lacanobia subjuncta* (Grote & Robinson) (Lepidoptera: Noctuidae) larvae on common weeds and crop plants of eastern Washington State. *Pan-Pac. Entomol.* 78: 1-6.
- Landolt, P. J. and B. S. Higbee. 2002. Both sexes of the true armyworm (Lepidoptera: Noctuidae) trapped with the feeding attractant composed of acetic acid and 3-methyl-1-butanol. *Florida Entomol.* 85: 182-185.
- Reed, H. C. and P. J. Landolt. 2002. Attraction of mated female codling moths (Lepidoptera: Tortricidae) to apples and apple odor in a flight tunnel. *Florida Entomol.* 85: 324-329.
- Robacker, D. C. and P. J. Landolt. 2002. Importance and use of attractants. In: Hallman, G. and C. P. Schwalbe. (editors). *Invasive Arthropods in Agriculture: Problems and Solutions*. Science Publishers, Enfield, NW. pp. 169-205.
- Wang, S., J. Tang, J.A. Johnson, and J.D. Hansen. 2002. Thermal death kinetics of fifth-instar *Amyelois transitella* (Walker) (Lepidoptera: Pyralidae) larvae. *J. Stored Prod. Res.* 38: 427-440.
- Wang, S., J. N. Ikediala, J. Tang, and J. D. Hansen. 2002. Thermal death kinetics and heating rate effects for fifth-instar codling moth (*Cydia pomonella* (L.)). *J. Stored Prod. Res.* 38: 441-453.
- Wang, S., J. Tang, J. A. Johnson, E. Mitcham, J. D. Hansen, R. P. Cavalieri, J. Bower, and B. Biasi. 2002. Process protocols based on radio frequency energy to control field and storage pests in in-shell walnuts. *Postharv. Biol. Technol.* 26: 265-273.
- Yee, W. L. 2002. Status of tephritid fruit fly control. *Proc. 97<sup>th</sup> Wash. State Hort. Ass. Meeting*, Wenatchee, WA, pp. 168-177.
- Yee, W. L. 2002. Daily and seasonal activity patterns of *Rhagoletis indifferens* (Diptera: Tephritidae) in Washington State. *Ann. Entomol. Soc. Amer.* 95: 701-710.

### **2003 Publication List:**

Agustí, N., T. Unruh and S. Welter. 2003. Detecting *Cacopsylla pyricola* (Hemiptera: Psyllidae) in predator guts using CO1 mitochondrial markers. *Bull. Entomological Research*. 93:179-185.

Aldrich, J.R., R.J. Bartelt, J.C. Dickens, A.L. Knight, D.M. Light, and J.H. Tumlinson. 2003. Insect chemical ecology research in the United States Department of Agriculture- Agricultural Research Service. *Pest Mgmt. Sci.* 59: 777-787.

Collins, H., F. Pierce, R. Boydston, N. Grunwald, J. Munyaneza. Feb 2003. Adopting conservation tillage in irrigated cropping systems. 42<sup>nd</sup> Annual Washington State Potato Conference and Trade Show Proceedings, pp. 81-92. Moses Lake, WA.

Drake, S.R., L.G. Neven and R.G. Sanderson. 2003. Carbohydrate contents of fresh apples and pears as influenced by irradiation as a quarantine treatment. *J. Food Quality* 27(3): 165-172.

Hansen, J.D. and M.L. Heidt. 2003. Laboratory infestation of sweet cherry by codling moth (Lepidoptera: Tortricidae): factors affecting survival. *J. Agric. Urban Econ. Entomol.* 19: 173-181.

Hansen, J.D., and L.R. Lewis. 2003. Field survival of codling moth (Lepidoptera: Tortricidae) on artificially infested sweet cherries. *Crop Protect.* 22: 721-727.

Hansen, J.D., L.R. Lewis, and G.F. Simmons. 2003. Arthropods present on removed foliage from an apple packing line. *Southwest. Entomol.* 28: 205-210.

Hansen, J. D., L. J. Rehmke, and G. F. Simmons. 2003. Packing house survey of Washington cherries for quarantine arthropods. *J. Kans. Entomol. Soc.* 76: 76-78.

Horton, D.R., and T.M. Lewis. 2003. Numbers and types of arthropods overwintering on common mullein, *Verbascum thapsus* L. (Scrophulariaceae), in a central Washington fruit-growing region. *Journal Entomological Society British Columbia*100: 79-87.

Horton, D.R., D.A. Broers, R.R. Lewis, D. Granatstein, R.S. Zack, T.R. Unruh, A.R. Moldenke, and J.J. Brown, 2003. Frequency of mowing and effect on density of natural enemies in the ground cover, in the tree canopy, and on the orchard floor at three Pacific Northwest pear orchards. *Entomologia Experimentalis et Applicata*. 106:135-145.

Knight, A.L. 2003. A comparison of grey halo-butyl elastomer and red rubber septa to monitor codling moth (Lepidoptera: Tortricidae) in sex pheromone-treated orchards. *J. Brit. Col. Soc. Entomol.* 99: 123-132.

Knight, A.L., D. Larson, and B. Christianson. 2003. Flight tunnel and field evaluations of sticky traps for monitoring codling moth (Lepidoptera: Tortricidae). *J. Brit. Col. Soc. Entomol.* 99: 107-116.

Lacey, L.A., T.R. Unruh, and H.L. Headrick. 2003. Interactions of two idiobiont parasitoids (Hymenoptera: Ichneumonidae) of codling moth (Lepidoptera: Tortricidae) with the entomopathogenic nematode *Steinernema carpocapsae* (Rhabditida: Steinernematidae). *J. Invertebr. Pathol.* 83: 230-239.

Lacey, L. A. and R. W. Merritt. 2003. The safety of bacterial microbial agents used for black fly and mosquito control in aquatic environments. In: "Environmental Impacts of Microbial Insecticides: Need and Methods for Risk Assessment " (H. M. T. Hokkanen and A. E. Hajek, eds.), pp. 151-168. Kluwer Academic Publishers Dordrecht, The Netherlands.

Lacey, L.A. and D.I. Shapiro-Ilan. 2003. The potential role for microbial control of orchard insect pests in sustainable agriculture. *Int. J. food Agric. Environ.* 1: 326-331.

Landolt, Peter J. and C. Smithhisler. 2003. Characterization of the floral odor of Oregon grape: possible feeding attractants for moths. *Northwest Science.* 77: 81-86.

Harari, A., P.J. Landolt, C.W. O'Brien, and H.J. Brockman. 2003. Prolonged mate guarding and sperm competition in the weevil *Diaprepes abbreviatus* (L.): The importance and use of attractants. *Behav. Ecol.* 14: 89-96.

Landolt, P.J. and A.L. Antonelli. 2003. Yellowjackets and Paper Wasps. Washington State University Cooperative Extension Bulletin EB0643. 6 pages.

Landolt, P. J. and R. S. Zack. 2003. Watch your loopers. *Potato Progress* 3: 1-2.

Landolt, Peter J. 2003. Lacanobia moths: Why monitor them when you can just kill them. *Proc. Washington State Hort. Assoc.*

Landolt, P.J., C. Smithhisler, T. Adams, and R.S. Zack. 2003. An improved multi-component sex attractant for trapping male western yellowstriped armyworm, *Spodoptera praefica* (Lepidoptera: Noctuidae). *Agric. and Forest Entomol.* 5: 333-339.

Landolt, P.J., H.C. Reed, and D.J. Ellis. 2003. Trapping yellowjackets (Hymenoptera: Vespidae) with heptyl butyrate emitted from controlled release dispensers. *Florida Entomol.* 86:323-328.

Lewis, T.M., D.R. Horton and J.D. Lattin. 2003. *Anthocoris tristis* Van Duzee, 1921. A synonym of *Anthocoris whitei*, Reuter, 1884. *Pan-Pacific Entomologist.* 79: 155

Munyaneza, J. E. November 2003. Leafhopper identification and biology. 17<sup>th</sup> Annual Convention of the Pacific Northwest Vegetable Association Proceedings, pp. 89-91. Pasco, WA. Nowak, R.S., J.D. Hansen, and C.L. Nowak. 2003. Effects of grass bug feeding and drought stress on selected lines of crested wheatgrass. *West. North. Amer. Nat.* 63: 167-177.

Reed, H.C., P.J. Landolt, and D.J. Ellis. 2003. Trap response of Michigan social wasps (Hymenoptera: Vespidae) to the feeding attractants acetic acid, isobutanol and heptyl butyrate. *Great Lakes Entomol.* 35: 71-78.

Thomas, P., J. Crosslin, K. Pike, A. Schreiber, A. Jensen, J. Munyaneza, P. Hamm, M. Nielsen, J. Upton. June 2003. Source and dissemination of the BLTVA in potatoes. *Potato Progress: Vol. 3, No. 7*, pp. 3-4.

Unruh, T.R., R. Short, K. R. Hopper, F. R. Herard, K. Chen, R. W. Pemberton, R. W. Fuester, L. R. Ertle and K. S. Swan. 2003. Parasitoid introductions for the biological control of the apple ermine moth, *Yponomeuta mallinellus* (Lepidoptera: Yponomeutidae), in the Pacific Northwest. *Biological Control* 28: 332-345.

Pfannenstiel, R. and T. Unruh. 2003. Conservation of leafroller parasitoids through provision of alternate hosts in near-orchard habitats. Pp 256-262. In: *Proceeding 1st International Symposium on the Biological Control of Arthropods*. USDA Forest Service Publ. FHTET -03-05.

Unruh, T.R. 2003. Habitat manipulation to increase parasitism of leafrollers and codling moth. *Proc. WA Horticultural Association*, 98: 125-127

Unruh, T. R. 2003. Rose plantings increase leafroller parasitism in orchards: A story for the Rose City. *Proceedings of the 77th Annual Western Orchard Pest & Disease Management Conference*. 3pp.  
<http://entomology.tfrec.wsu.edu/wopdmc/proceedings.html>

Wang, S., J. Tang, J.A. Johnson, E. Mitcham, J.D. Hansen, G. Hallman, S.R. Drake, and Y. Wang. 2003. Dielectric properties of fruits and insect pests as related to radio frequency and microwave treatments. *Biosys. Engin.* 85: 201-212.

Yee, W. L. and L. A. Lacey. 2003. Stage-specific mortality of *Rhagoletis indifferens* (Diptera: Tephritidae) exposed to three species of steinernematid nematodes. *Biological Control.* 27: 349-356.

Yee, W. L. 2003. Effects of sucrose concentrations and fly age on feeding responses and survival of female and male western cherry fruit fly, *Rhagoletis indifferens*. *Physiological Entomology.* 28: 122-131.

Yee, W. L. 2003. Effects of cherries, honeydew, and bird feces on fecundity and longevity of *Rhagoletis indifferens* (Diptera: Tephritidae). *Environmental Entomology.* 32 (4): 726-735.

Yee, W. L., B. A. Faber, P. A. Phillips, and J. L. Rodgers. 2003. Comparison of Scirtothrips perseae (Thysanoptera: Thripidae) infestation levels on avocado leaves and fruit. *Florida Entomologist.* 86 (4): 409-419.

## **2004 Publication List:**

Arthurs, S.P. and L.A. Lacey. 2004. Field evaluation of commercial formulations of the codling moth granulovirus: persistence of activity and success of seasonal applications against natural infestations of codling moth in the Pacific Northwest. *Biol. Contr.* 31:388-397.

Feng, X., J. D. Hansen, B. Biasi, J. Tang, and E. J. Mitcham. 2004. Use of hot water treatment to control codling moths in harvested California 'Bing' sweet cherries. *Postharv. Biol. Technol.* 31: 51-58.

Hansen, J. D., L. R. Lewis, and S. R. Drake. 2004. Trap catches of codling moth in commercial Washington sweet cherry orchards. *J. Tree Fruit Prod.* 3: 33-43.

Hansen, J. D., S. R. Drake, and M. L. Heidt. 2004. Does cherry in rearing diet affect development in codling moth (Lepidoptera: Tortricidae)? *J. Amer. Pomol. Soc.* 58: 142-146.

Hansen, J. D., S. R. Drake, M. L. Heidt, M. A. Watkins, J. Tang, and S. Wang. 2004. Radio frequency treatments for postharvest codling moth control in fresh apples. *HortTechnology* 14: 533-537.

Hansen, J. D., S. Wang, and J. Tang. 2004. A cumulated lethal time model to evaluate efficacy of heat treatments for codling moth *Cydia pomonella* (L.) (Lepidoptera: Tortricidae) in cherries. *Postharv. Biol. Technol.* 33: 309-317.

Horton, David R. 2004. Phenology of emergence from overwintering shelters by some predatory arthropods common in pear orchards of the Pacific Northwest. *J. Entomol. Soc. British Columbia* 101:101-108.

Horton, D.R. 2004. Pear psylla, *Cacopsylla pyricola* (Foerster) (Homoptera: Psyllidae). In: J.L. Capinera (ed.), *Encyclopedia of Entomology*. Kluwer Academic Publishers

Horton, David R. 2004. Biology of Pacific Coast and sugarbeet wireworm in the Columbia Basin. *Potato Progress*. IV:10. 1-4.

Horton, D.R., T.M. Lewis, D.A. Broers. 2004. Ecological and geographic range expansion of the introduced predator *Anthocoris nemoralis* (Heteroptera: Anthocoridae) in North America: potential for non-target effects? *Amer. Entomol.* 50: 18-30.

Jensen, A., P. Hamm, P. Thomas, J. Crosslin, J. Munyaneza, A. Schreiber, and K. Pike. 2004. Purple top, BLTVA, and leafhoppers: an update. *Potato Progress*: Vol. 4, No. 3, pp. 1-3.

Knight, A.L. 2004. Managing Codling Moth (Lepidoptera: Tortricidae) with an internal grid of either aerosol puffers or dispenser clusters plus border applications of individual dispensers. *J. Entomol. Soc. British Columbia.* 101: 69-77.

- Knight, A. L. and D. M. Light. 2004. Use of (E,Z)-2,4-decadienoic acid in codling moth management: Improved monitoring in 'Bartlett' pear with high dose lures. *J. Entomol. Soc. British Columbia*. 101: 45-52.
- Knight, A.L. and D.M. Light. 2004. Use of (E,Z)-2,4-decadienoic acid in codling moth management: Kairomone species specificity. *J. Entomol. Soc. British Columbia*. 101: 61-67.
- Knight, A.L. and D.M. Light. 2004. Use of (E,Z)-2,4-decadienoic acid in Codling Moth management: Stimulation of oviposition. *J. Entomol. Soc. British Columbia*. 101: 53-60.
- Knight, A. L. and T. E. Larsen. 2004. Improved deposition and performance of a microencapsulated sex pheromone formulation for codling moth (Lepidoptera: Tortricidae). *J. Entomol. Soc. British Columbia*. 101: 79-86.
- Knight, A.L., T.E. Larsen, and K.C. Ketner. 2004. Rainfastness of a microencapsulated sex pheromone formulation for codling moth (Lepidoptera: Tortricidae). *J. Econ. Entomol.*, 97:1987-1992.
- Lacey, L. A., S. P. Arthurs, D. Thomson, R. Fritts, Jr., and D. Granatstein. 2004. Codling moth granulovirus and insect-specific nematodes for control of codling moth in the Pacific Northwest. *Tilth Producers Quarterly* 13 (2): 10-12.
- Lacey, L. A., S. P. Arthurs, A. Knight, K. Becker, and H. Headrick, . 2004. Efficacy of codling moth granulovirus: effect of adjuvants on persistence of activity and comparison with other larvicides in a Pacific Northwest Apple Orchard. *J. Entomol. Sci.* 39: 500-513.
- Lacey, L. A. 2004. Microbial control of insects. In: "Encyclopedia of Entomology" (J. Capinera, ed.). Kluwer Academic Publishers Dordrecht, The Netherlands. pp. 1401-1407.
- Lacey, L. A., E. Riga, W. Snyder. 2004. The potential for using insect specific pathogens for control of insect pests of potato in North America. *Potato Progress*. IV (1). Pp 1-3.
- Landolt, P. J. R. S. Zack, D. Green, and L. DeCamelo. 2004. Cabbage looper moths, (Lepidoptera: Noctuidae) trapped with male pheromone. *Florida Entomol.* 87:294-299.
- Lee, I-M., K. D. Bottner, J. E. Munyaneza, G. A. Secor, and N. C. Gudmestad. 2004. Clover proliferation group (16SrVI), subgroup A (16SrVI-A) phytoplasma is a probable causal agent of potato purple top disease in Washington and Oregon. *Plant Disease* 88: 429.
- Munyaneza, J. E. 2004. Leafhopper populations dynamics in the south Columbia Basin. 43<sup>rd</sup> Annual Washington State Potato Conference and Trade Show Proceedings, pp. 51-58. Moses Lake, WA.
- Munyaneza, J. E. 2004. Leafhopper-transmitted diseases: emerging threat to Pacific Northwest potatoes. Proceedings of the University of Idaho Winter Commodity Schools – 2004, pp. 141-150. Pocatello, ID.



Neven, L.G. and K.D. Mantey. 2004. Biology and development of the wild and golden sport of *Grapholita prunivora* (Lepidoptera: Tortricidae). *Environmental Entomology*. 33:506-512.

Neven, L.G. 2004. Effects of low temperature on egg and larval stages of the lesser appleworm (Lepidoptera: Tortricidae). *J. Econ. Entomol.* 97:820-823.

Neven, L.G. 2004. Disinfestations of fresh horticultural commodities by using hot forced air with controlled atmospheres. Book chapter in *Production Practices and Quality Assessment of Food Crops*. Dris and Jain (eds.), Volume 4, Postharvest Treatment and Technol.: 297-315.

Neven, L.G. 2004. High pressure washing and organosilicones: Improvements and impacts on pear quality, pathogens, and surface arthropods. *Good Fruit Grower*. 55(17):57.

Pfannenstiel, R. S., M. Szymanski, L. A. Lacey, J. F. Brunner and K. Spence. 2004. Discovery of a granulovirus of *Pandemis pyrusana* (Lepidoptera: Tortricidae), a leafroller pest of apples in Washington. *J. Invertebr. Pathol.* 86:124-127.

Siegel, J., L. A. Lacey, R. Fritts, Jr., B. S. Higbee, and P. Noble. 2004. Use of Steinernematid nematodes for postharvest control of navel orangeworm (Lepidoptera: Pyralidae, *Amyelois transitella*) in fallen pistachios. *Biol. Contr.* 30: 410-417.

Siegel, J., L.A. Lacey, B.S. Higbee, J. Bettiga, and R. Fritts, Jr. 2004. Entomopathogenic nematodes for control of overwintering navel orangeworm. *Proc Int Research Conference on Methyl Bromide Alternatives and Emissions Reductions*. Oct 31 – Nov 3, 2004, Orlando, FL. pp 72.1-72.4

Wang, S., X. Yin, J. Tang, and J.D. Hansen. 2004. Thermal resistance of different stages of codling moth (Lepidoptera: Tortricidae). *J. Stored Prod. Res.* 40: 565-574.

Yee, W. L., P. A. Phillips. 2004. Differential mortality of natural enemies exposed to avocado leaves treated with Malathion bait spray during a Mediterranean fruit fly eradication program. *Southwestern Entomol.* 29: 175-184.

Yee, W. L. and P. J. Landolt. 2004. Responses of apple maggot (Diptera: Tephritidae) to ammonium hydroxide lures. *Can. Entomol.* 136: 139-142.

## **2005 Publication List:**

Alston, D. G., D. E. N. Rangel, L. A. Lacey, H. G. Golez, J. J. Kim, and D.W. Roberts. 2005. Evaluation of novel fungus and nematode isolates for control of *Conotrachelus nenuphar* (Coleoptera: Curculionidae) larvae. *Biol. Contr.* 35: 163–171.

Arthurs, S. P., L. A. Lacey, and R. Fritts, Jr. 2005. Optimizing the use of the codling moth granulovirus: effects of application rate and spraying frequency on control of codling moth larvae in Pacific Northwest apple orchards. *J. Econ. Entomol.* 98: 1459-1468.

Barcenas, N.M, T.R. Unruh, and L.G. Neven. 2005. DNA diagnostics to identify internal feeders (Lepidoptera: Tortricidae) of pome fruits of quarantine importance. *Journal of Economic Entomology*.98(2): 299-306.

Crosslin, J. M., J. E. Munyaneza, A. Jensen, and P. B. Hamm. 2005. Association of the beet leafhopper (Homoptera: Cicadellidae) with a clover proliferation group phytoplasma in Columbia Basin of Washington and Oregon. *J. Econ. Entomol.* 98: 279-283.

Drake, S. R., J. D. Hansen, D.C. Elfving, J. Tang, and S. Wang. 2005. Hot water to control codling moth in sweet cherries: efficacy and quality. *J. Food Qual.* 28: 361-376.

Follett, P. and L. G. Neven. 2006. Current Trends in Quarantine Entomology. *Annu. Rev. Entomol.* 51:359-385.

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Hansen, J. D., S. R. Drake, M. L. Heidt, M. A. Watkins, J. Tang, and S. Wang. 2005. Radio frequency-hot water for postharvest control of codling moth in 'Bing' sweet cherries. *HortTechnology.* 15(3):613-616

Hansen, J. D., and J. R. Archer. 2005. Systems approach is the future. *The Good Fruit Grower.* 56: 8-9

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Horton, D.R., T.M. Lewis and L. G. Neven. 2005. Ovarian development and lipid reserves are affected by mating delays in three species of *Anthocoris* (Heteroptera: Anthocoridae). *Canadian Entomologist.* 137(3):328-336

Horton, D.R. and T.M. Lewis. 2005. Size and shape differences in genitalia of males from sympatric and reproductively isolated populations of *Anthocoris antevolens* White (Heteroptera: Anthocoridae) in the Yakima Valley, Washington. *Annals of the Entomological Society of America*. 98(4):527-535

Horton, D.R., Bayer, M.A., Lewis, T.M. 2005. Differences in mating behavior among three populations of *Anthocoris antevolens* white (Heteroptera:Anthocoridae): a comparison of intra- and interpopulation crosses. *Annals of the Entomological Society of America*. 98(4):608-614.

Jumean, Z., R. Gries, T.R. Unruh, E. Rowland, and G. Gries. 2005. Identification of the larval aggregation pheromone of codling moth, *Cydia pomonella*. *J. Chemical Ecology*. 31(4):911-924

Jumean, Z., T. R. Unruh, R. Gries, and G. Gries. 2005. Prepupal parasitoid *mastrus ridibundus* eavesdrop on pheromonal communication of cocoon-spinning larvae of the codling moth, *Cydia pomonella*. *Naturwissenschaften* 92:20–25

Knight, A. L. and D. M. Light 2005. Developing action thresholds for codling moth (Lepidoptera: Tortricidae) with pear ester and codlemone-baited traps in apple orchards treated with sex pheromone mating disruption. *Can. Entomol.* 137(6):739-747.

Knight, A. L. and D. M. Light. 2005. Timing of egg hatch by early-season codling moth (Lepidoptera: Tortricidae) predicted by moth catch in pear ester and codlemone-baited traps. *Can. Entomol.* 137(6):728-738.

Knight, A. L. and D. M. Light. 2005. Factors affecting the differential capture of male and female codling moth (Lepidoptera: Tortricidae) in traps baited with ethyl (E, Z)-2,4-decadienoate. *Environ. Entomol.* 34(5):1161-1169.

Knight, A. L. and D. M. Light. 2005. Seasonal flight patterns of codling moth (Lepidoptera: Tortricidae) monitored with pear ester and codlemone-baited traps in sex pheromone-treated apple orchards. *Environ. Entomol.* 34(5):1028-1035.

Knight, A. L. and D. M. Light. 2005. Dose-response of codling moth (Lepidoptera: Tortricidae) to ethyl (E, Z)-2,4-decadienoate in apple orchards treated with sex pheromone dispensers. *Environ. Entomol.* 34: 604-609.

Knight, A. L., P. VanBuskirk, R. Hilton, B Zoller, and D. M. Light. 2005. Monitoring codling moth (Lepidoptera: Tortricidae) in four cultivars of pear. *Acta Hort.* 671: 565-570.

Knight, A. L., R. Hilton, and D. M. Light. 2005. Monitoring codling moth (Lepidoptera: Tortricidae) in apple with blends of ethyl (E, Z)-2,4-decadienoate and codlemone. *Environ. Entomol.* 34: 598-603.

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