

ARTHUR M. AGNELLO

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EDUCATION:

B.S.	Cornell University, Ithaca, NY	1974	Biological Sciences
M.S.	University of Florida, Gainesville, FL	1979	Entomology
Ph.D.	North Carolina State University, Raleigh, NC	1985	Entomology

PROFESSIONAL EXPERIENCE:

1974-1976	Aquatic Weeds Research Officer, Ministry of Agriculture, Republic of Botswana, Africa.
1977-1979	Graduate Research Assistant, Department of Entomology and Nematology, University of Florida, Gainesville, FL
1980-1981	Survey Entomologist, Illinois Cooperative Extension Service, University of Illinois, Champaign, IL
1982-1985	Graduate Research Assistant, Department of Entomology, North Carolina State University, Raleigh, NC
1985-1986	Postdoctoral Research Associate, Department of Entomology, North Carolina State University, Raleigh, NC
1986-1992	Assistant Professor, Department of Entomology, Cornell University, NYS Agricultural Experiment Station, Geneva, NY
1992-2001	Associate Professor, Department of Entomology, Cornell University, NYS Agricultural Experiment Station, Geneva, NY
2002-Present	Professor, Department of Entomology, Cornell University, NYS Agricultural Experiment Station, Geneva, NY

PROFESSIONAL RESPONSIBILITIES:

Extension 70%, Research 30%: Extension efforts involve annually updating university control recommendations according to current research findings, providing diagnostic services for arthropod pests of tree fruit, monitoring the effectiveness of control programs to identify the causes of pest outbreaks, and cooperating with industry in the registration of new products. A second program area is the development and implementation of pest management approaches in tree fruit to maintain quality and production standards while minimizing potential economic and biological problems such as insecticide resistance, secondary pest outbreaks, and natural enemy population decline. Fruit pest management information is delivered through the use of bulletins, newsletters, e-mail reports and online publications, and personal contacts, including grower meetings, training sessions, field demonstrations, visits, and telephone and written counseling.

Research activities include applications of new sampling techniques for population monitoring and assessment of control options, mating disruption as an alternative to pesticide-intensive programs, and modified pesticide application technology for apple planting systems.

PROFESSIONAL SOCIETIES:

Entomological Society of America

New York State Horticultural Society
New York State Agri-Business Association
New York Apple Association
Sigma Xi
Epsilon Sigma Phi

HONORS AND AWARDS:

- 2011 CALS Outstanding Accomplishments in Extension/Outreach
2006 Outstanding Service to Entomological Society of America
2005 Entomological Society of America, President, Eastern Branch
2003 Excellence in IPM Award, New York State IPM Program
2002 Entomological Society of America - Eastern Branch Nominee, Distinguished Achievement Award in Extension
1996 George A. Goodling Memorial Lecture. 137th Annual Meeting of the Pennsylvania State Horticultural Assoc.
1996 International Honor Award, Foreign Agricultural Service Recognition Program, USDA.

SELECTED PUBLICATIONS (2011-PRESENT):

- Agnello, A.**, Cox, K., Lordan, J., Francescato, P., and Robinson, T. 2017. Comparative programs for arthropod, disease and weed management in New York organic apples. *Insects* 8(3): 96-116. [DOI: 10.3390/insects8030096]
- Agnello, A. M.**, Breth, D. I., Tee, E. M., Cox, K. D., Villani, S. M., Ayer, K. M., Wallis, A. E., Donahue, D. J., Combs, D. B., Davis, A. E., Neal, J. A., and English-Loeb, F. M. 2017. *Xylosandrus germanus* (Coleoptera: Curculionidae: Scolytinae) occurrence, fungal associations, and management trials in New York apple orchards. *J. Econ. Entomol.* [DOI: 10.1093/jee/tox189]
- Agnello, Arthur**, Andrew Landers, and Greg Loeb. 2015. A fixed-spray system for Spotted Wing Drosophila management in high tunnel bramble crops. *J. Berry Res.* 5: 81–88. [DOI: 10.3233/JBR-150091]
- Leskey, T.C., **A. Agnello**, J. C. Bergh, G. P. Dively, G. C. Hamilton, P. Jentsch, A. Khimian, G. Krawczyk, T. P. Kuhar, D-H. Lee, W. R. Morrison III, D. F. Polk, C. Rodriguez-Saona, P. W. Shearer, B. D. Short, P. M. Shrewsbury, J. F. Walgenbach, D. C. Weber, C. Welty, J. Whalen, N. Wiman, and F. Zaman. 2015. Attraction of the invasive *Halyomorpha halys* (Hemiptera: Pentatomidae) to traps baited with semiochemical stimuli across the United States. *Environ. Entomol.* 44: 746–756. [DOI: 10.1093/ee/nvv049]
- Agnello, Arthur M.**, David P. Kain, Jeffrey Gardner, Paul D. Curtis, Michael L. Ashdown, and Michael P. Hoffmann. 2014. Novel barriers to prevent dogwood borer (Lepidoptera: Sesiidae) and rodent damage in apple plantings. *J. Econ. Entomol.* 107: 1179-1186.
- Kain, D. P., and **A. M. Agnello**. 2013. Relationship between plant phenology and *Campylomma verbasci* (Hemiptera: Miridae) damage to apple fruit. *Environ. Entomol.* 42: 307-313.
- Ioriatti, C., **A. M. Agnello**, F. Martini, and J. Kovach. 2011. Evaluation of the environmental impact of apple pest control strategies using pesticide risk indicators. *Integr. Environ. Assess. Mgt.* 7: 542–549. (<http://onlinelibrary.wiley.com/doi/10.1002/ieam.185/full>)
- Piñero, J. C., **A. M. Agnello**, A. Tuttle, T. C. Leskey, H. Faubert, G. Koehler, L. Los, G. Morin, K. Leahy, D. R. Cooley, and R. J. Prokopy. 2011. Effectiveness of odor-baited trees for plum curculio (Coleoptera: Curculionidae) monitoring in commercial apple orchards in the northeast. *J. Econ. Entomol.* 104: 1613–1621.