

AAPSE Treasurer Candidate Submission Packet

George C. Hamilton

1. What is your leadership and working style?

My leadership and work style is basically a combination of doing some things myself and delegating others to my staff and students. Since I am a detail person, items such as data analysis, fact checking and producing reports are items that I would do myself. In terms of how I delegate items to members of my staff and students depends on what I feel they are best suits the capabilities. Once I do delegate something I expect that the task will completed in a timely fashion with minimal oversight.



2. What is your vision for AAPSE?

Since its inception I have always viewed AAPSE as the as the voice at the national for those involved in pesticide safety education at land grant universities. Over the years it has evolved and matured into an organization that others outside the land grant system involved in pesticide safety can look to represent them as well at the national level. This is a good thing and I would hope that this remains AAPSE's core mission. At the same time, I feel that the organization needs to expand its opportunities for the professional development of its members through the offering of more educational opportunities such as subject---based webinars, and continuing to have regional and national meetings where AAPSE is the prime sponsor.

3. What experience and skills do you bring that will benefit the organization?

As the PAT coordinator and now PSEP program leader at Rutgers University since 1986, I bring 30 years of experience developing and delivering PSEP programming using a variety of vehicles to the table. Experience related directly to the post I am being nominated for include:

- Serving as the treasurer for the Rutgers Cooperative Extension Specialist Association for three years.
- Serving as the treasurer of the New Jersey Pesticide Association and then the New Jersey Agribusiness Association (association name change) for 10 years.
- Serving as the treasurer for the Entomological Society of America's Eastern Branch for 3 years.
- Serving as a member and/or chair of the AAPSE audit committee since 1995.

4. What challenges and opportunities do you see facing AAPSE?

As I see it, the biggest challenge facing AAPSE is the need to remain relevant. This is especially true given the current funding situation that has caused a reduction in people working in pesticide safety education nationally. The association needs to be the lead voice in terms of pushing for increased state and federal support. One way to do this is to develop white papers on the need for continued support for PSEP, etc. and to use these white papers to increase our lobby efforts to increase funding.

BRIEF BIOGRAPHY:



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Dr. Hamilton received his Ph.D. in Entomology in 1985 from Rutgers University and immediately joined the Rutgers faculty as an extension specialist in pest management to coordinate New Jersey's Pesticide Applicator Training and Pesticide Impact Assessment Programs. In 1998, Dr. Hamilton became the statewide IPM coordinator for New Jersey and was involved in reorganizing that program. He is currently the chair of the Department of Entomology at Rutgers. During his thirty year career, Dr. Hamilton has authored over 200 extension and research publications that include numerous pesticide

safety related fact sheets, chapters in state based pesticide recommendation guides and pesticide training manuals used by private and commercial applicators to prepare for state based pesticide licensing exams.

Dr. Hamilton's research interests have included working with Colorado potato beetle and alternative ways to control this pest, the use of hymenopteran parasitoids for the control of euonymous scale and the use of companion flower plantings to attract natural enemies for control purposes. His current research program centers on the biology, ecology and management of the brown marmorated stink bug, which he has worked with since 2004.

CURRICULUM VITA

I. PERSONAL INFORMATION

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II. EDUCATIONAL HISTORY

Ph.D.	Entomology	Rutgers University, 1985
M.S.	Entomology	University of Missouri, 1981
B.A.	Biology	Eastern Conn. State College, 1979

III. PROFESSIONAL EXPERIENCE

7/07 – Present	Department Chair – Department of Entomology, Rutgers University
7/03 - Present	Extension Specialist (Pest Management) , Department of Extension Specialists, Rutgers University. Appointment - 90% Extension, 10% Teaching.
7/98 - 12/99	Interim Department Chair , Department of Entomology, Rutgers University.
7/96 - 6/03	Associate Extension Specialist (Pest Management) , Department of Extension Specialists, Rutgers University. Appointment - 90% Extension, 10% Teaching.
3/87 - 6/96	Assistant Extension Specialist (Pesticides) , Department of Extension Specialists, Rutgers University. Appointment - 90% Extension, 10% Teaching.

IV. HONORS AND AWARDS

1. USDA International IPM Award of Recognition: The BMSB SCRI CAP/StopBMSB Team. 8th International IPM Symposium in Salt Lake City, UT. 2015.
2. Entomological Society of America IPM Team Award: Asian Tiger Mosquito Areawide Management Project. 2014
3. Fenton Award for Outstanding Cook College Graduate School Alumni. Rutgers University. 2013.
4. NJAES Team Excellence: Asian Tiger Mosquito Areawide Management Project. Rutgers University. 2013.
5. Herb Streu Meritorious Service Award. Eastern Branch, Entomological Society of America. 2013.
6. National Association of County Agricultural Agents: National Communication Award (Video Category). *“Asian Tiger Mosquito Public Service Announcement.”* 2012.
7. State of New Jersey – New Jersey State Public Service Recognition Award for Teamwork/Partnership Achievement Award. 2006.
8. Rutgers University – Graduate School. Rutgers University Alumni Award for Distinguished Accomplishments – Biological Sciences. 2005.
9. Association of Natural Resource Education Professionals (ANREP): “Computer Graphics” Category. *“Wanted: Asian Longhorned Beetle”* CDROM. 2004.
10. Agricultural Agents Association of New Jersey. Communication Award (Learning Module Category). *“Wanted: Asian Longhorned Beetle”* CDROM. 2004.
11. The Associated Executives of Mosquito Control Work in New Jersey. 2004. “Jessie B. Leslie Award.”
12. National Association of County Agricultural Agents: National Communication Award (Web Site Category). *“Online Recertification for Licensed Pesticide Applicators in New Jersey”*, www.recert.rutgers.edu. 2003.

13. Rutgers Cooperative Extension Team Award for “Vegetable Working Group”. 2001. Rutgers University.
14. Rutgers Cooperative Extension Team Award for “If Plants Could Talk PBS Television Show.” 2000. Rutgers University.
15. Telly Award for “*An American farm tale: Chronic organophosphate exposure – The Rea family farm case study* videotape”. 2000. 22nd Annual Telly Awards Honoring Outstanding Television Commercials, Video Productions and Films.
16. Specialist of the Year Award. 1999. Department of Agriculture and Resource Management Agents, Rutgers University.
17. Certificate of Appreciation. 1999. United States Department of Agriculture.
18. Certificate of Appreciation. 1996. United States Department of Agriculture.
19. NJAA “Man of the Year” Award. 1996. New Jersey Agribusiness Association.
20. Certificate of Achievement. Section E Outstanding Presented Paper. 1995. Entomological Society of America.
21. American Society for Horticultural Science Extension Educational Aids Award. 1994. American Society for Horticultural Science.
22. Pesticide Association of New Jersey Award for Outstanding Contributions to Pesticide Education. 1993. Pesticide Association of New Jersey.
23. Merle V. Adams Achievement Award for Faculty in the Agricultural & Resource Management Specialist Department. 1989. Rutgers Cooperative Extension.

V. RESEARCH/SCHOLARSHIP

Journal Articles (Refereed)

1. Abrams, P.K., K.A. Hoelmer, A. Acebes-Doria, H. Andrews, E.H. Beers, J.C. Bergh, R. Bessin, D. Biddinger, P. Botch, M.L. Buffington, M.L. Cornelius, E. Costi, E.S. Delfosse, C. Dieckhoff, R. Dobson, Z. Donais, M. Grieshop, **G. Hamilton**, T. Haye, C. Hedstrom, M.V. Herlihy, M.S. Hoddle, C.R.R. Hooks, P. Jentsch, N.K. Joshi, T.P. Kuhar, J. Lara, J.C. Lee, A. Legrand, T.C. Leskey, D. Lowenstein, L. Maistrello, C.R. Mathews, J.M. Milnes, W.R. Morrison, A.L. Nielsen, E.C. Ogburn, C.H. Pickett, K. Poley, J. Pote, J. Radl, P.M. Shrewsbury, E. Talamas, L. Tavella, J.F. Walgenbach, R. Waterworth, D.C. Weber, C. Welty, and N.G. Wiman. *Accepted*. Indigenous arthropod natural enemies of the invasive brown marmorated stink bug in North America and Europe. *Journal of Pest Science*.
2. Cambridge, J.E., L. Francouer, and **G.C. Hamilton**. *Accepted*. Brown Marmorated Stink Bug (Hemiptera: Pentatomidae) Attraction to Different Light Stimuli. *Florida Entomologist*.
3. Nielsen, A., S. Fleischer, **G. Hamilton**, T. Hancock, G. Krawczyk, J. Lee, E. Ogburn, J. Pote, A. Raudenbush, Amy, A. Rucker, M. Saunders, V. Skillman, J. Sullivan, J. Timer, J. Walgenbach, N. Wiman, and T. Leskey. *In Press*. Phenology of the Brown Marmorated Stink Bug Described Using Female Reproductive Development. *Ecology and Evolution*.
4. Hahn, N.G., M.C. Hwang, and **G.C. Hamilton**. 2017. Circuitry and coding used in a flight mill system for the study of flight performance of *Halyomorpha halys*. *Florida Entomologist* 100: 195-198.
5. Hahn, N.G., C. Rodriguez-Saona and **G.C. Hamilton**. 2017. Characterizing the Spatial Distribution of Brown Marmorated Stink Bug, *Halyomorpha halys* Stål (Hemiptera: Pentatomidae), Populations in Peach Orchards. *PloS ONE*. <http://dx.doi.org/10.1371/journal.pone.0170889>
6. Maslo, B., R. Valentin, K. Leu, K. Kerwin, **G.C. Hamilton**, A. Bevan, N.F. Fefferman and D.M. Fonseca. 2017. Chirosurveillance: The use of native bats to detect invasive agricultural pests. *PloS ONE* 12:1-10. e0173321
7. Rodriguez-Mozo, L., S. McKamey, J.L. Ware and **G. Hamilton**. 2017. Two new species of Darnini (Hemiptera: Membracidae) from Colombia and Peru. *ZooTaxa*
8. Fraga, D.F., J. Parker, A.C. Busoli, **G.C. Hamilton**, A.L. Nielsen, and C. Rodriguez-Saona. 2016. Behavioral responses of the predaceous minute pirate bug (Hemiptera: Anthocoridae) to tridecane, a volatile emitted by the brown marmorated stink bug. *Journal of Pest Science*. 12 pp. DOI 10.1007/s10340-016-0825-9
9. Rosen, S., J. Cambridge and **G.C. Hamilton**. 2016. Regular Rearing Protocol and Density Trials of the Brown Marmorated Stink Bug (Hemiptera: Pentatomidae) in a Laboratory Setting. *Florida Entomologist* 99: 808-810.

10. Hahn, N.G., A.J. Kaufman, C. Rodriguez-Saona, A.L. Nielsen, J. LaForest and **G.C. Hamilton**. 2016. Exploring the spread of brown marmorated stink bug in New Jersey through the use of crowdsourced reports. *American Entomologist* 62:36-45.
11. Philips, C.R., T.P. Kuhar, G.P. Dively, **G. Hamilton**, J. Whalen, and K. Kamminga, 2016. Seasonal abundance and phenology of the brown marmorated stink bug, *Halyomorpha halys* (Stål) on different pepper cultivars in the mid-Atlantic (US). *Journal of Economic Entomology* 9 pp. doi: 10.1093/jee/tow256.
12. Weidner, L.M., M. Monzon and **G.C. Hamilton**. 2016. Death eaters respond to the dark mark of decomposition by day and night: observations of initial insect activity on pig carcasses. *International Journal of Legal Medicine*. DOI 10.1007/s00414-016-1371-y
13. Cambridge J., A. Payenski and **G.C. Hamilton**. 2015. The Distribution of Overwintering Brown Marmorated Stink Bugs (Hemiptera: Pentatomidae) in College Dormitories. *Florida Entomologist*, 98: 1257-1259.
14. Weidner, L.M., D.E. Jennings, J.K. Tomberlin, and **G.C. Hamilton**. 2015. Seasonal and Geographic Variation in Biodiversity of Forensically Important Blow Flies (Diptera: Calliphoridae) in New Jersey, USA. *J. Medical Entomology* 52: 1-10. DOI: 10.1093/jme/tjv104.
15. Leskey, T.C., J.A. Agnello, 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, C. Welty, J. Whalen, D.C. Weber and N. Wiman. 2015. Attraction of the invasive *Halyomorpha halys* Stål (Hemiptera: Pentatomidae) to traps baited with pheromonal and kairomonal stimuli across the United States. *Economic Entomology*: 1-11. DOI: 10.1093/ee/nvv049
16. Bartlett-Healy, K., **G.C. Hamilton**, T. Crepeau, S. Healy, I. Unlu, A. Farajollahi, and D. Fonseca. 2014. Integrating the Public in Mosquito Management: Active Education by Community Peers Can Lead to Significant Reduction in Peridomestic Container Mosquito Habitats. *PLoS ONE* 9(9): e108504. doi:10.1371/journal.pone.0108504
17. CABI, 2014. *Halyomorpha halys* (brown marmorated stink bug [original text by Leskey TC, GC Hamilton, D Biddinger, ML Buffington, C Dieckhoff, GP Dively, H Fraser, T Garipey, C Hedstrom, DA Herbert, KA Hoelmer, CRR Hooks, D Inkley, G Krawczyk, TP Kuhar, DH Lee, AL Nielsen, DG Pfeiffer, C Rodriguez-Saona, PW. Shearer, E Talamas, E Tomasino, J Tooker, PD Venugopal, J Whalen, V Walton, N Wiman] In: *Invasive Species Compendium*. Wallingford, UK: CAB International. www.cabi.org/isc.
18. Rice, K.B., C.J. Bergh, E.J. Bergmann, D.J. Biddinger, C. Dieckhoff, G. Dively, H. Fraser, T. Garipey, **G. Hamilton**, T. Haye, A. Herbert, K. Hoelmer, C.R. Hooks, A. Jones, G. Krawczyk, T. Kuhar, H. Martinson, W. Mitchell, A.L. Nielsen, D.G. Pfeiffer, M.J. Raupp, C. Rodriguez-Saona, P. Shearer, P. Shrewsbury, P.D. Venugopal, J. Whalen, N.G. Wiman, T.C. Leskey, and J.F. Tooker. 2014. Biology, Ecology, and Management of Brown Marmorated Stink Bug (Hemiptera: Pentatomidae). *J. Integ. Pest Mngmt.* 5(3): 1-13; DOI: <http://dx.doi.org/10.1603/IPM14002>
19. Wallner AM, **Hamilton GC**, Nielsen AL, Hahn N, Green EJ, Roriguez-Saona C. 2014. Landscape Factors Facilitating the Invasive Dynamics and Distribution of the Brown Marmorated Stink Bug, *Halyomorpha halys* (Hemiptera: Pentatomidae), after Arrival in the United States. *PLoS ONE* 9(5): e95691. doi:10.1371/journal.pone.0095691.
20. Weidner, L.M., J.K. Tomberlin and **G.C. Hamilton**. 2014. Development of *Lucilia coeruleiviridis* (Diptera: Calliphoridae) in New Jersey, USA. *Florida Entomologist* 97: 849-851.
21. Williams GM, Faraji A, Unlu I, Healy SP, Farooq M, R. Gaugler, **G. Hamilton**, and D.M. Fonseca. 2014. Area-Wide Ground Applications of *Bacillus thuringiensis* var. israelensis for the Control of *Aedes albopictus* in Residential Neighborhoods: From Optimization to Operation. *PLoS ONE* 9(10): e110035. doi:10.1371/journal.pone.0110035
22. Fonseca, D., I. Unlu, T. Crepeau, A. Farajollahi, S. Healy, K. Bartlett-Healy, D. Strickman, R. Gaugler, **G. Hamilton**, D. Kline and G.G. Clark. 2013. Area-wide management of *Aedes albopictus*: II. Gauging the efficacy of traditional integrated pest control measures against urban container mosquitoes. *Pest Management Science* 69:1351-1361.
23. Nielsen, A.L, K. Holmstrom, **G.C. Hamilton**, J. Cambridge and J. Ingerson-Mahar. 2013. Use of black light traps to monitor the abundance and spread of the brown marmorated stink bug. *Journal of Economic Entomology* 106(3): 1495-1502.
24. Xu, J., D.M. Fonseca, G.C. Hamilton, K.A. Hoelmer, and A.L. Nielsen. 2013. Tracing the origin of US brown marmorated stink bugs, *Halyomorpha halys*. *Biological Invasions*. DOI 10.1007/s10530-013-0510-3

25. Bickerton, M. and **G.C. Hamilton**. 2012. Effects of intercropping with flowering plants on predation of *Ostrinia nubilalis* (Lepidoptera: Crambidae) eggs by generalist predators in bell peppers. *Environmental Entomology* 41: 612-620.
26. Kuhar, T. P., Kamminga, K. L., Whalen, J., Dively, G. P., Brust, G., Hooks, C. R. R., **Hamilton, G.**, and Herbert, D. A. 2012. The pest potential of brown marmorated stink bug on vegetable crops. Online. *Plant Health Progress* doi: 10.1094/PHP-2012-0523-01-BR.
27. Leskey, T.C., **G.C. Hamilton**, A.L. Nielsen, D.F. Polk, C. Rodriguez-Saona, J.C. Bergh, D.A. Herbert, T.P. Kuhar, D.P., G.P. Dively, R.R.C. Hooks, M.J. Raupp, P.M. Shrewsbury, G. Krawczyk, P.W. Shearer, J. Whalen, C. Koplinka-Loehr, E. Myers, D. Inkley, K.A. Hoelmer, D. Lee, and S.E. Wright. 2012. Pest Status of the Brown Marmorated Stink Bug in the USA. *Outlooks on Pest Management* 23: 218-226.
28. Zhang, J., J. Lashomb, A. Gould, and **G. Hamilton**. 2011. Relationship between Cicadomorpha Insect Populations and Bacterial Leaf Scorch of Oak in Central New Jersey. *Environmental Entomology* 40: 1131-1143.
29. Nielsen, A.L., **G.C. Hamilton** and P.W. Shearer. 2011. Seasonal phenology and monitoring of the non-native *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae) in soybean. *Environmental Entomology* 40: 231-238.
30. Gouli, V., S. Gouli, M. Skinner, **G. Hamilton**, J.S. Kim and B.L. Parker. 2011. Virulence of Select Entomopathogenic Fungi to the Brown Marmorated Stink Bug, *Halyomorpha halys* (Stål), (Heteroptera: Pentatomidae). *Pest Management Science*. DOI10.1002/ps.2310
31. Bartlett-Healy, K., S. Healy and **G.C. Hamilton**. 2011. A model to predict evaporation rates in containers most used by *Aedes albopictus* and *Aedes japonicas*. *J. Medical Entomology* 48:712-716.
32. Bartlett-Healy, K., **G. Hamilton**, S. Healy, T. Crepeau, I. Unlu, A. Farajollahi, D. Fonseca, R. Gaugler, G. Clark, and D. Strickman. 2011. Source Reduction Behavior as an Independent Measurement of the Impact of a Public Health Education Campaign in an Integrated Vector Management Program for the Asian Tiger Mosquito. *International J. of Environmental Research and Public Health* 8:1358-1367.
33. Nielsen, A.L. and **G.C. Hamilton**. 2009. Life-History of the Invasive Species *Halyomorpha halys* (Hemiptera: Pentatomidae) in the Northeastern United States. *Annals of the Entomological Society of America* 102: 608-616.
34. Nielsen, A.L., and **G.C. Hamilton**. 2009. Seasonal Occurrence and Impact of *Halyomorpha halys* (Hemiptera: Pentatomidae) in tree fruit. *Economic Entomology* 102: 1133-1140.
35. Johnson, M.P. and **G.C. Hamilton**. 2009. Invasive Species: Real Threats to the Homeland. *American Entomologist* 55: 14.
36. **Hamilton, G.C.** 2009. Brown Marmorated Stink Bug. *American Entomologist* 55: 19-20.
37. Nielsen, A.L., P.W. Shearer and **G.C. Hamilton**. 2008. Toxicity of Insecticides to *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae) Using Glass-Vial Assays. *J. Economic Entomology* 101:1439-1442.
38. Nielsen, A.L., **G.C. Hamilton** and M. Matadha. 2008. Development Rate Estimation and Life Table Analysis for *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae). *Environmental Entomology* 37: 348-355.
39. Khrimian, A., P.W. Shearer, A. Zhang, **G.C. Hamilton**, and J.A. Aldrich. 2008. Field Trapping of the Invasive Brown Marmorated Stink Bug, *Halyomorpha halys*, with Geometric Isomers of Methyl 2,4,6-Decatrienoate. *J. Agricultural and Food Chemistry* 56: 197-203.
40. Borjan, M., M.G. Robson, **G.C. Hamilton**, C. Brown, and R. Meyer. 2006. Trends Indicated by the New Jersey Pesticide Use Survey. *Outlooks on Pest Management* 17(4): 157-163. 2006
41. Gregory, P., **G. Hamilton**, M. Borjan and M. Robson. 2006. Vulnerability Assessment of New Jersey's Food Supply to Invasive Species: The New Jersey IMPORT Project. *New Solutions* 16(3): 273-283.
42. Gould, A.B. J. Zhang, H. Staniszewska-Goracznik, **G. Hamilton**, B. Hillman, R. Goracznik and J. Lashomb. 2005. Preliminary characterization of *Xylella fastidiosa* strains isolated from oak in New Jersey. *Phytopathology* 95: S36.
43. Gregory, P., **G. Hamilton** and M. Robson. 2005. The role of cooperative extension in homeland security. *American Entomologist* 51: 134-137.
44. Matadha, D., **G.C. Hamilton** and J.H. Lashomb. 2005. Ovipositional preferences and functional response of parasitoids of euonymus scale, *Unapis euonymi* (Comstock) and *Quadraspidiotus perniciosus* (Comstock) (Homoptera: Diaspididae). *Biological Control* 32: 337-347.
45. Gould, A. B., **G. Hamilton**, M. Vodak, J. Grabosky, J. and J. Lashomb. 2004. Bacterial leaf scorch of oak in New Jersey: incidence and economic impact. *Phytopathology* 94:S36. Publication no. P-2004-0237-AMA.

46. Matadha, D., **G.C. Hamilton** and J.H. Lashomb. 2004. Effect of temperature on development, fecundity and life table parameters of *Encarsia citrina* Craw (Hymenoptera: Aphelinidae), a parasitoid of euonymus scale, *Unaspis euonymi* (Comstock) and *Quadraspidiotus perniciosus* (Comstock) (Homoptera: Diaspididae). *Environmental Entomology* 33: 1185-1191.
47. Brumfield, R.G., L.S. Martin, D. Polk and **G. Hamilton**. 2004. Costs of conventional versus low input peach production in the eastern United States. *Acta Horticulturae* 638: 473-478.
48. Shrewsbury, P.M., J.H. Lashomb, **G.C. Hamilton**, J. Zhang, J.M. Patt and R.A. Casagrande. 2004. The influence of flowering plants on herbivore – natural enemy populations dynamics in ornamental landscapes. *International Journal of Ecology and Environmental Sciences* 30: 23-33.
49. Anastov, A., P.W. Shearer and **G. Hamilton**. 2003. Monitoring natural enemies of *Grapholista molesta* (Lepidoptera: Tortricidae) in New Jersey Peach Orchards with two different pest management programs. *Environmental Entomology* 32: 780-788.
50. Matadha, D., **G.C. Hamilton**, M.G. Hughes and J.H. Lashomb. 2003. Distribution of natural enemies of euonymus scale, *Unaspis euonymi* (Comstock) (Homoptera: Diaspididae) in the state of New Jersey. *Environmental Entomology* 32: 602-607.
51. Patt, J.M., S.C. Wainright, J. Dietrick, **G.C. Hamilton**, K. Bosley, D. Whittinghill, and J.H. Lashomb. 2003. Assimilation of floral nutrients by predaceous insect larvae. *Ecological Entomology* 28: 717-728.
52. Atanassov, A., P.W. Shearer, **G. Hamilton** and D. Polk. 2002. Development and implementation of a reduced risk peach arthropod management program in New Jersey. *J. Economic Entomology* 95: 803-802.
53. Robson, M.G., **G.C. Hamilton** and G.O. Brachman. 2001. Case Study on Chronic Organophosphate Poisoning. *New Solutions* 11:243-249.
54. Patt, J.M., **G.C. Hamilton**, and J.H. Lashomb. 1999. Response of two parasitoid wasps to nectar odors as a function of experience. *Entomologia Experimentalis Applicata* 90: 1-8.
55. **Hamilton, G.C.**, J. H. Lashomb, S. Arpaia, R. Chianese, and M. Mayer. 1998. Sequential sampling plans for Colorado potato beetle (Coleoptera: Chrysomelidae) in eggplant. *Environmental Entomology* 27: 33-38.
56. Jelenkovic, G., S. Billings, Q. Chen, J. Lashomb, **G. Hamilton** and G. Ghidui. 1998. Transformation of eggplant (*Solanum melongena* L.) with synthetic cryIIIA gene produces a high level of resistance to the Colorado potato beetle (*Leptinotarsa decemlineata* [Say]). *J. American Society Horticultural Science* 123: 19-25.
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61. **Hamilton, G.C.**, Robson, M.R. Ghidui, R. Samulis and E. Prostko. 1997. IPM by 2000: A case study from New Jersey. *American Entomologist* 43: 74-78.
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64. Vasquez, B.L., J.H. Lashomb, and **G. C. Hamilton**. 1997. Alighting rate of the parasitoid *Edovum puttleri* Grissell (Hymenoptera: Eulophidae) in response to colors mimicking three foodplants of the Colorado potato beetle, *Leptinotarsa decemlineata* (Say) (Coleoptera: Chrysomelidae). *J. Entomological Science* 32: 386-397.
65. Arpaia, S., J.H. Lashomb, **G.C. Hamilton**, and K. Vail. 1996. Consumption of eggplant foliage by Colorado potato beetle (Coleoptera: Chrysomelidae). *J. Entomological Science* 31: 191-198

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- Hamilton, G.C.**, J.J. Ahn, W. Bu, T.C. Leskey, A.L. Nielsen, Y.-L. Park, W. Rabitsch and K. Hoelmer. *Accepted*. *Halyomorpha halys*. In *Invasive Pentatomidae of North America* [J.E. McPherson, ed.].
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Pesticide Training Manuals

1. Coleman, G. and **G. Hamilton**. [eds.]. 2008. School IPM – Category 13. 137 pgs.
2. **Hamilton, G.C.** [ed.]. 2007. Forest Pest Control – Category 2. 140 pgs.
3. **Hamilton, G.C.** [ed.]. 2005. Turf, Ornamentals and Interior Plantscape Pest Control - Category 3ABC. Revision. 200 pgs.
4. **Hamilton, G.C.** [ed.]. 2004. CORE pesticide training manual. Revision. 100 pgs.
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16. **Hamilton, G.C.**, W. Donze, and R. Smith. 1989. Pet groomer pest control - Category 8F. 60 pgs.
17. **Hamilton, G.C.** 1988. Core training manual. [ed.]. Revision. 177 pgs.
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19. **Hamilton, G.C.** 1986. Pesticide dealer manual. [ed.]. Revision. 24 pgs.
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1. Polk, D.F., and **G.C. Hamilton**. 1996. Apple, acaricide airblast evaluation, 1995. *Arthropod Management Tests* 21:39.
2. **Hamilton, G.C.**, D. Polk, and E. Rizio. 1994. Apple, acaricide test, 1993. *Arthropod Management Tests* 19:2.
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4. Johnston, S.A., J. Lashomb, **G.C. Hamilton** and D. Fravel. 1994. Evaluation of the integration of soil fumigation and microbial antagonists for the control of Verticillium wilt in Eggplant, 1993. *Biological & Cultural Tests for the Control of Plant Diseases* 9:28.
5. Johnston, S.A., **G.C. Hamilton** and J.R. Phillips. 1994. Assessment of fungicide benefits for the control of anthracnose on processing tomatoes, 1993. *Fungicide Nematicide Tests* 49:163.
6. **Hamilton, G.C.** 1993. Apple, all season insecticide test, 1992. *Insecticide Acaricide Tests* 18:17.
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1. Lashomb, J., Gould, A. B., and **Hamilton, G.** (eds). 2002. Proceedings of Conference on Bacterial Leaf Scorch, 2001. Rutgers University, Sept. 11-12.
2. Atanassov, A., P. W. Shearer, **G. Hamilton**, & D. Polk. 2001. Reducing OP and carbamate use in NJ peach orchards. 75th Annual Western Orchard Pest & Disease Management Conference. Portland, OR.
3. Atanassov, A., P. W. Shearer, **G. Hamilton**, & D. Polk. 2001. Reduced risk peach arthropod management program. Proc. 76th Cumberland-Shenandoah Fruit Workers Conference. Winchester, VA.
4. **Hamilton, G.C.** 2001. 87th Annual Meeting Proceedings of the New Jersey Mosquito Control Association. [ed]. 80 pgs. Atlantic City, NJ.
5. **Hamilton, G.**, P. Shearer, D. Polk, R. Meyer and A. Rush. 2001. The impact of two pest management practices on peach pesticide residues. 76th Cumberland-Shenandoah Fruit Workers Conference. Winchester, VA.
6. Atanassov, A., P. Shearer, D. Polk, and **G. Hamilton**. 2000. Reduced risk peach arthropod management. 75th Cumberland-Shenandoah Fruit Workers Conference. Winchester, VA.
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8. **Hamilton, G.C.** 1999. 85th Annual Meeting Proceedings of the New Jersey Mosquito Control Association. [ed]. 90 pgs. Atlantic City, NJ.
9. Nitzsche, P.J., **G. Hamilton**, and D. Jones. 1999. A review of pesticide record keeping software. *In* 1999 New Jersey Annual Vegetable Meeting Proceedings. pp 127. Atlantic City, NJ.
10. Polanin, N., **G. Hamilton**, W. T. Hlubik, and S. Convery. 2004. *On-line Pesticide Safety Training and Recertification for Licensed Pesticide Applicators*. Proceedings of the 49th Annual Meeting and Trade Show, Vegetable Growers' Association of New Jersey, Inc. pp. 228. Atlantic City, NJ.
11. Polanin, N., **G. Hamilton**, W. T. Hlubik, and S. Convery. 2004. *The Virtual Classroom Report Card: An Early Assessment of New Jersey's On-Line Accreditation for Pesticide Applicators*. Proceedings of the 2004 Meeting of the Northeast Regional American Society for Horticultural Science. Boston, MA. p. 7-8.
12. Polanin, N., **G. Hamilton**, W. T. Hlubik, and S. Convery. 2003. *Now You Can Get Some of Your Pesticide Credits on the World Wide Web*. Proceedings of the 49th Annual Meeting and Trade Show, Vegetable Growers' Association of New Jersey, Inc. pp 105. Atlantic City, NJ.
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17. **Hamilton, G.C.** and J.H. Lashomb. 1993. A comparison of the pesticides used in conventional and IPM grown eggplant. *In* Weigmann, D.L. [ed.]. *New Directions in Pesticide Research, Development, Management and Policy*. pgs 590-595. VPI University.

18. **Hamilton, G.C** and R. Meyer. 1993. A nine year comparison of pesticide use in New Jersey. *In* Weigmann, D.L. [ed.]. *New Directions in Pesticide Research, Development, Management and Policy*. pgs. 355-365. VPI University.
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20. Lewis, J.B., M.G. Robson and **G.C. Hamilton**. 1989. New Jersey pesticide use survey. *Pesticides in Terrestrial and Aquatic Environments*. VPI University.
21. Springer, J., J.A. Hopfinger, and **G.C. Hamilton**. 1988. Effect of post harvest calcium hypochlorite treatment on peach quality in storage. 1987 Proceedings Southeast Professional Peach Workers Conference, 1987. Clemson University.
22. Springer, J., J.A. Hopfinger, and **G.C. Hamilton**. 1988. Effect of post harvest calcium hypochlorite treatment on peach quality in storage. 1987 Proceedings Cumberland - Shenandoah Fruit Research Workers Conference.

Symposia Organized

1. Wiman, N.G., K. Rice, T.C. Leskey and **G.C. Hamilton**. 2015. Brown Marmorated Stink Bug Working Group: Synergizing IPM Research to Deliver Solutions. Annual Meeting of the Entomological Society of America. Minneapolis, MN.
2. Hollingsworth, R.G. and **G.C. Hamilton**. 2001. Quarantine Law and Practice: How Effectively Is American Agriculture Being Protected? Annual Meeting of the Entomological Society of America. San Diego, CA.
3. **Hamilton, G.C.** and J.J Jenkins. 1989. New Perspectives on Pesticides and Food Safety. 61st Annual Meeting Entomological Society America - Eastern Branch. Baltimore, MD.

Invited Presentations

1. Fraga, D., C. Rodriguea-Saona, **G.C. Hamilton**, A. Nielsen and A.C. Busoli. 2015. O papel de voláteis de *Halyomorpha halys* na capacidade de localização e predação de ovos de *Orius insidiosus*. Brazilian Entomological Society Biological Control Symposium
2. **Hamilton, G.C.** 2006. Brown Marmorated Stink Bug: Nuisance or Potential Pest. Eastern Branch – Entomological Society of America Annual Meeting. Charlottesville, VA.
3. **Hamilton, G.C.** 2005. Educating Children and Youth Using Extension. Eastern Branch – Entomological Society of America Annual Meeting. Harrisburg, PA.
4. **Hamilton, G.C.** 2005. Invasive species – New Threats to Urban Landscapes. PA Nursery and Landscape Association Annual Meeting. State College, PA.
5. **Hamilton, G.C.** 2002. Pesticide Applicator Training in New Jersey. Congressional Briefing. Agriculture Committee – United States House of Representatives. Washington, DC
6. **Hamilton, G.C.** 2002. Pesticide Applicator Training in New Jersey. Program Briefing. United State Department of Agriculture. Washington, DC
7. **Hamilton, G.C.** 2002. Pesticide Applicator Training in New Jersey. Program Briefing. Office of Pesticide Programs, EPA. Washington, DC
8. Lashomb, J. and **G.C. Hamilton**. 2002. Video Production Techniques for Teaching and Extension Delivery. Symposium – Distributed Education and Technology. Annual Meeting of the Entomological Society of America - Eastern Branch. Ocean City, MD.
9. **Hamilton, G.C.** 2000. Eggplant Pest Control in the U.S. Seminar Series - Office of Pesticide Programs, EPA. Washington, DC.
10. **Hamilton, G.C.** 1999. Coping With the Reality of Specialty Categories: Lumpers vs. Splitters. National Pesticide Applicator Certification and Training Workshop. Portland, ME.
11. Shrewsbury, P, J. Lashomb, **G. Hamilton**, and R. Casagrande. 1999. Influence of Flowering Plants on Natural Enemy and Azalea Lace Bug Populations. Annual Meeting of the Entomological Society of America. Atlanta, GA.
12. **Hamilton, G.C.** 1998. Pesticide Record Keeping by Computer. Agricultural Computing and Electronics Expo. Lancaster, PA.

13. **Hamilton, G.C.** 1998. Eggplant IPM in New Jersey. Symposium - Vegetable Integrated Pest Management: Now and In the Future. 69th Annual Meeting of the Entomological Society of America - Eastern Branch. Cherry Hill, NJ.
14. **Hamilton, G.C.** 1998. Registering Insecticides on Minor Use Crops Within the FQPA Framework. Symposium - Ramifications of the Food Quality Protection Act. 69th Annual Meeting of the Entomological Society of America - Eastern Branch. Cherry Hill, NJ.
15. **Hamilton, G.C.** 1997. An Overview of the Pesticide Education Program at Rutgers University. North Carolina State Department of Entomology Fall Seminar Series. Raleigh, NC.
16. **Hamilton, G.C.**, R. Chianese, and M. Mayer. 1997. A Comparison of a Biological Control Intensive (BCI) IPM Program in Eggplant with Traditional Techniques. Symposium - Assessing the Impacts of IPM Programs - Economic, Environmental, Social, Marketing. 68th Annual Meeting of the Entomological Society of America - Eastern Branch. Burlington, VT.
17. **Hamilton, G.C.** 1996. Development and Usage of Sequential Sampling in an Eggplant BCIPM Program. Symposium - An International Perspective of IPM in *Solanum melongena*. XX International Congress of Entomology. Florence, Italy.
18. Patt, J.M., J.H. Lashomb, and **G.C. Hamilton**. 1996. Interplanting with Selected Flowers to Enhance Parasitoid & Predator Abundance. Symposium - An International Perspective of IPM in *Solanum melongena*. XX International Congress of Entomology. Florence, Italy.
19. **Hamilton, G.C.** 1994. Spreadsheet Applications for Office Management and Administration: Demonstration Program - Excel. 1994 New Jersey Mosquito Control Association Annual Meeting. Atlantic City, NJ.
20. **Hamilton, G.C.** 1994. Problems Associated with Mixing & Loading of Aerial Application Equipment. 1994 Northeast Aerial Applicators Association Annual Meeting & Educational Conference. Harrisburg, PA.
21. **Hamilton, G.C.** 1993. EPA Pesticide Safety Regulations. 1993 Annual Gypsy Moth Revue - National Gypsy Moth Management Board. Harrisburg, PA.
22. **Hamilton, G.C.** 1990. How Pesticide Records are Collected in New Jersey. 1990 NE NAPIAP Conference. Portsmouth, NH.
23. **Hamilton, G.C.** 1989. Implementing the New SARA Title III Law in New Jersey. 1989 NE Pesticide Applicators Training Conference. Boston, MA.
24. **Hamilton, G.C.** 1989. How to Respond to the Concerned Citizen. American Registry of Professional Entomologists Symposia, 61st Annual Meeting Entomological Society America - Eastern Branch. Baltimore, MD.

Conference Presentations

1. Blaauw, B., C. Rodriguez, **G.C. Hamilton** and A. Nielsen. 2016. When stink bugs react: Host stimuli and the brown marmorated stink bug. 2016 International conference of Entomology. Orlando, FL
2. Cambridge, J.M. and **G.C. Hamilton**. 2016. National moth week: A growing global event. 2016 International conference of Entomology. Orlando, FL.
3. Condon, G. and **G.C. Hamilton**. Habitat modification for *Ostrinia nubilalis* in North America. 2016 International conference of Entomology. Orlando, FL
4. **Hamilton, G.C.** 2016. Introduction and spread of BMSB in North America. 2016 International conference of Entomology. Orlando, FL.
5. Fraga, D.F., C. Rodriguez-Saona, **G.C. Hamilton** and A.L. Nielsen. 2016. Eavesdropping the victim: a generalist predator utilizes an alarm pheromone to locate an invasive pest. Annual Meeting of the International Society of Chemical Ecology. Iguassu Falls, Brazil
6. Cambridge, J. and **G.C. Hamilton**. 2015. A time and place for everything: Peaches and stink bugs. Annual Meeting of the Entomological Society of America. Minneapolis, MN.
7. Cambridge, J. and **G.C. Hamilton**. 2015. Accurately monitoring an insect population is hard. Annual Meeting of the Entomological Society of America. Minneapolis, MN.
8. G.C. Condon and G.C. Hamilton. 2015. Habitat modification for *Ostrinia nubilalis* IPM in New Jersey peppers. The Northeastern Plant, Pest and Soils Conference. Philadelphia, PA
9. Fraga, D.F., C. Rodriguez-Saona, **G.C. Hamilton**, A. Nielsen and A.C. Busoli. 2015. Stink lover: A predator uses a common stink bug volatile to find an invasive host pest. Annual Meeting of the Entomological Society of America

10. Fraga, D.F., C. Rodriguez-Saona, **G.C. Hamilton**, A. Nielsen and A.C. Busoli. 2015. Tridecane, a brown marmorated stink bug volatile attracts and arrests Orius spp. Annual Meeting of the Entomological Society of America
11. **Hamilton, G.C.** and T.C. Leskey. 2015. Coming together on brown marmorated stink bug: Genesis of the BMSB Working Group. Annual Meeting of the Entomological Society of America. Minneapolis, MN.
12. Hahn, N., C. Rodriguez-Saona and **G.C. Hamilton**. 2015. Making sense of the distribution of *Halyomorpha halys* populations on fine and broad scales. Annual Meeting of the Entomological Society of America. Minneapolis, MN.
13. Hahn, N. and **G.C. Hamilton**. 2015. Utilizing the power of the masses to examine invasive insect migration. Annual Meeting of the Entomological Society of America. Minneapolis, MN.
14. Cambridge, J. and **G.C. Hamilton**. 2014. Patterns and predictions for visual sampling of the brown marmorated stink bug. Entomological Society of America Annual Meeting. Portland, OR
15. Cambridge, J. and **G.C. Hamilton**. 2014. Standardization of visual sampling techniques for *Halyomorpha halys* in New Jersey peaches. Eastern Branch - Entomological Society of America Annual Meeting. Williamsburg, VA.
16. Hahn, N., A. Kaufman and **G.C. Hamilton**. 2014. Using citizen science to track the spread of brown marmorated stink bug (*Halyomorpha halys*). Entomological Society of America Annual Meeting. Portland, OR.
17. Hahn, N., **G.C. Hamilton** and C. Rodriguez-Saona. 2014. Landscape features associated with brown marmorated stink bug (*Halyomorpha halys*) clustering in peach orchards. Eastern Branch - Entomological Society of America Annual Meeting. Williamsburg, VA.
18. Weidner, L., A. Tarrone and **G.C. Hamilton**. 2014. Phenotypic variation in developmental characteristics of the black blow fly *Phormia regina* (Diptera: Calliphoridae) across New Jersey. Entomological Society of America Annual Meeting. Portland, OR.
19. Weidner, L.M., A. Tarone and G.C. Hamilton. 2014. Phenotypic variation in the developmental characteristics of strains of the black blow fly *Phormia regina* (Diptera Calliphoridae) across New Jersey. North American Forensic Entomological Association Annual Meeting. Tampa, FL
20. Weidner, L., A. Tarrone and **G.C. Hamilton**. 2014. Phenotypic variation in developmental characteristics of the black blow fly *Phormia regina* (Diptera: Calliphoridae) from three geographical regions in New Jersey. Eastern Branch - Entomological Society of America Annual Meeting. Williamsburg, VA.
21. Cambridge, J. and **G.C. Hamilton**. 2013. Brown marmorated stink bug diel sampling variance in peaches. Entomological Society of America Annual Meeting. Austin, TX.
22. Hahn, N., C. Rodriguez-Saona and **G.C. Hamilton**. 2013. Factors affecting spatial patterns of brown marmorated stink bug, *Halyomorpha halys*, in peach orchards. Entomological Society of America Annual Meeting. Austin, TX.
23. **Hamilton, G.** Brown Marmorated Stinkbug. 2013. Central Jersey Turf and Ornamentals Institute.
24. **Hamilton, G.** 2013. What We've Learned About BMSB. Maryland BMSB Workshop.
25. **Hamilton, G.** 2013. Invasives of Concern: Brown Marmorated Stink Bug. Society of American Florists.
26. Weidner, L., M.E. Benbow, J.L. Pechal, J.K. Tomberlin and **G.C. Hamilton**. 2013. Biodiversity and distribution of blow flies (Diptera: Calliphoridae) across New Jersey Ecoregions. Entomological Society of America Annual Meeting. Austin, TX.
27. Weidner, L., **G.C. Hamilton**, and J.K. Tomberlin. 2013. Distribution and biodiversity of blow flies (Diptera: Calliphoridae) throughout New Jersey. Eastern Branch - Entomological Society of America Annual Meeting. Lancaster, PA.
28. Weidner, L.M., J.L. Pechal, M.E. Benbow, J.K. Tomberlin and G.C. Hamilton. Distribution and Biodiversity of Blow Flies (Diptera: Calliphoridae) Throughout New Jersey. North American Forensic Entomological Association Annual Meeting. Dayton, OH.
29. Hahn, N., G.C. Hamilton, C Rodriguez-Saona and A. Kaufman. 2012. Landscape Effects on Spatial Distribution of Brown Marmorated Stink Bug (*Halyomorpha halys*) in Peach Orchards. Entomological Society of America Annual Meeting, Knoxville, TN.
30. **Hamilton, G.C.** 2012. Brown Marmorated Stink Bug – One Year Later. . Four hour Symposium. Entomological Society of America Annual Meeting – Eastern Branch, Hartford, CT.
31. Wallner, A. N.G. Hahn, A. Nielsen, **G.C. Hamilton** and C. Rodriguez-Saona. 2012. Examining the Spatial and Temporal Factors that Facilitate the Distribution of *Halyomorpha halys* (Hemiptera: Pentatomidae) in New Jersey, USA. International Congress of Entomology. Daegu, South Korea

32. Weidner, L., **G.C. Hamilton** and J.K. Tomberlin. 2012. Distribution and Biodiversity of blow flies (Diptera: Calliphoridae) throughout New Jersey ecoregions. Entomological Society of America Annual Meeting. Knoxville, TN.
33. Weidner, L. and **G.C. Hamilton**. 2012. Distribution of Forensically Important Blow Flies (Diptera: Calliphoridae) in New Jersey. Entomological Society of America Annual Meeting – Eastern Branch, Hartford, CT.
34. **Hamilton, G.C.** 2011. Impact of Brown Marmorated Stink Bug in US Agroecosystems. Four hour Symposium. Entomological Society of America Annual Meeting, Reno, NV.
35. **Hamilton, G.C.** 2011. Introduction, distribution and spread of BMSB in the United States. 20 minute talk. Entomological Society of America Annual Meeting, Reno, NV.
36. Reed, L., S. Crans, R. Gaugler, **G. Hamilton** and M. Robson. 2010. Comparison of mosquito population data from three manufacturers of New Jersey light traps. American Mosquito Control Association Annual Meeting, Lexington, KY.
37. Bickerton, M and **G.C. Hamilton**. 2010. Intercropping for biological control of European corn borer (*Ostrinia nubilalis* Hübner) in bell peppers. Eastern Branch - Entomological Society of America Annual Meeting, Annapolis, MD.
38. Konar, T. and **G.C. Hamilton**. 2010. Halyomorpha halys (Stål) (Hemiptera: Pentatomidae) survival success when subjected to different diets. Eastern Branch of the ESA Annual Meeting, Annapolis, MD.
39. **Hamilton, G.C.** A. Khimian, and P.W. Shearer, 2008. Field responses of Halyomorpha halys to methyl 2,4,6-decatrienoate. International Congress of Entomology. Durban, SA.
40. **Hamilton, G.C.** A. Khimian, A. Nielsen and P.W. Shearer, 2008. Attraction of Halyomorpha halys to varying amounts of 2E, 4E, 6Z)-decatrienoate. Eastern Branch of the ESA Annual Meeting, Syracuse NY.
41. Nielsen, A.L., P. Shearer and **G.C. Hamilton**. 2008. Comparison of Aggregation Traps using the Attractant (E,E,Z) 2,4,6 decatrienoate for Halyomorpha halys (Stal) (Hemiptera: Pentatomidae). Eastern Branch of the ESA Annual Meeting, Syracuse NY.
42. Russo, Z., A.L. Nielsen and **G.C. Hamilton**. 2008. Ovarian Development of *Halyomorpha halys* (Stal) (Hemiptera: Pentatomidae). Eastern Branch of the ESA Annual Meeting, Syracuse NY.
43. Wagner, A., A.L. Nielsen and **G.C. Hamilton**. 2008. Feeding Preferences of Halyomorpha halys (Stal) in New Jersey Crop: *Phaseolus vulgaris*, *Capsicum annum*, *Lycopersicon esculentum* and *Glycine max*. Eastern Branch of the ESA Annual Meeting, Syracuse NY.
44. Williams, A., A.L. Nielsen, K. Holmstrom and **G.C. Hamilton**. 2008. Distribution of Halyomorpha halys (Stal) in the Mid-Atlantic Region. Eastern Branch of the ESA Annual Meeting, Syracuse NY.
45. Nielsen, A., Z. Russo and **G. Hamilton**. 2007. Female reproductive physiology and seasonal development of Halyomorpha halys (Hemiptera: Pentatomidae). Entomological Society of America Annual Mtg., San Diego, CA
46. Gould, A. B., Lashomb, J. H., **Hamilton, G. C.**, Vodak, M., Grabosky, J., Zhang, J., and Staniszewska, H. 2007. Poster presentation: Bacterial leaf scorch in the New Jersey urban forest, 2006. PennDel ISA annual meeting. Valley Forge, PA.
47. Hoelmer, K.A., A.L. Nielsen, **G.L. Bernon** and **G.C. Hamilton**. 2007. Low Levels of parasitism of brown marmorated stink bug in the eastern US by native parasitoids. Entomological Society of America – Eastern Branch Annul Meeting. Harrisburg, PA.
48. Gould, A. B., **Hamilton, G.**, Vodak, M., Grabosky, J., Staniszewska, H., and Lashomb, J. 2006. Incidence and severity of bacterial leaf scorch in New Jersey. Northeastern Division APS annual meeting, Burlington, VT.
49. Gould, A., **G.C. Hamilton**, M. Vodak, J. Grabowsky and J. Lashomb. 2006. Economic impact of bacterial leaf scorch in the New Jersey urban forest. Entomological Society of America Annul Meeting. Indianapolis, IN.
50. **Hamilton, G.C.** 2006. Brown marmorated stink bug. Entomological Society of America Annul Meeting. Indianapolis, IN.
51. Nielsen, A.L. and **G.C. Hamilton**. 2006. *Halyomorpha halys* (Stål) (Hemiptera: Heteroptera: Pentatomidae): Biology and seasonal phenology. Entomological Society of America Annul Meeting. Indianapolis, IN.
52. Zhang, J., J. Lashomb, A. Gould and **G.C. Hamilton**. 2006. Xylophages inhabiting red and pn oak in New Jersey. Entomological Society of America Annul Meeting. Indianapolis, IN.

53. Khrimian, A., P. W. Shearer, A. Zhang, A. **G. C. Hamilton** and J.A. Aldrich. 2006. Field responses of invasive brown marmorated stink bug, *Halyomorpha halys*, to geometric isomers of methyl 2,4,6-decatrienoate. Annual Meeting of the International Society of Chemical Engineering. Barcelona, Spain.
54. Zhang, J., J.H. Lashomb, A.B. Gould, and **Hamilton, G.C.** 2006. Insect Xylophages Inhabiting Red and Pin Oaks. Eastern Branch – Entomological Society of America Annul Meeting. Charlottesville, VA.
55. Gould, A., J. Zhang, H. Staniszewska-Goraczniak, **G.C. Hamilton**, B. Hillman, R. Goraczniak, and J.H. Lashomb. 2005. Preliminary characterization of *Xylella fastidiosa* strains isolated from oak in New Jersey. American Phytopathological Society.
56. Zhang, J., H. Staniszewska-Goraczniak, **G.C. Hamilton**, B. Hillman, J.H. Lashomb, and A.B. Gould. 2005. Nucleotide identity of *Xylella fastidiosa* strains isolated from oak. American Phytopathological Society. Austin, TX.
57. Nielsen, A., and **G.C. Hamilton**. 2005. *Halyomorpha halys* (Hemiptera:Pentatomidae). Eastern Branch – Entomological Society of America Annul Meeting. Harrisburg, PA.
58. Shearer, P.W., A. Nielsen, **G. Hamilton**, J. Aldrich, A. Khrimian, K. Bernhard and **G. Bernon**. 2005. Using the group approach and behavioral studies to understand the biology and pest status of the brown marmorated stink bug, *Halyomorpha halys* (Heteroptera: Pentatomidae: A recently imported pest. Eastern Branch – Entomological Society of America Annul Meeting. Harrisburg, PA.
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63. **Hamilton, G.C.** and J.A. Hopfinger. 1986. Facts about daminozide. FS200. 2 pgs.

Newsletters

Hamilton, G.C. 1986 to 1997. Extension Pesticide Report. Published Monthly

Articles in Popular Press

1. **Hamilton, G.C.** 1995. Are you in compliance with WPS. New Jersey Grower 18, No. 2:2-3.
2. **Hamilton, G.C.** and D.W. Schaffner. 1992. Unwarranted concern about pesticides. Asbury Park Press. September 2. Pg A11.
3. Ghidiu, G., and **G.C. Hamilton.** 1990. The Effect of The FIFRA '88 re-registration of pesticides. New Jersey Grower 13, No. 3:2-3.
4. **Hamilton, G.C.** 1989. Worker reentry Standards, now and in the future. Pennsylvania Fruit News 69, No. 4:48-49.
5. **Hamilton, G.C.** 1988. The OSHA and SARA laws. The Shade Tree 61:85-9.
6. **Hamilton, G.C.** 1988. Storage of pesticides and their containers. The Plant Press 4:3.
7. **Hamilton, G.C.** 1987. Storage and disposal of pesticides and used containers. The Shade Tree 60:110-2.
8. **Hamilton, G.C.** 1987. Facts about the pesticide carbaryl. The Plant Press 3:4.
9. **Hamilton, G.C.** 1987. Facts about the pesticide lindane. The Plant Press 3:3.
10. **Hamilton, G.C.** 1987. Protective equipment for using pesticides. The Plant Press 3:2.
11. **Hamilton, G.C.** 1987. Pesticide services vehicles. The Plant Press 3:1.

Miscellaneous Publications

1. Gould, A. B., Lashomb, J., and **Hamilton, G.** 2004. Incidence of bacterial leaf scorch in New Jersey. NCR-193 Regional Report.

2. **Hamilton, G.C.** and M.G. Robson. 2000. An American farm tale: Chronic organophosphate exposure – the Rea family farm case study - facilitators Guide. Rutgers Cooperative Extension.
3. Robson, M.G., **Hamilton, G.C.**, R. Samulis and E. Prostko. 1994. An assessment of regulatory, market and financial obstacles to integrated pest management in New Jersey. Final Report to NJ Dept. of Environmental Protection.
4. Springer, J.K. and **G.C. Hamilton**. 1994. [ed.]. The importance of plant disease management in U.S. production of leafy green vegetables. NAPIAP Report # 1-CA-94.
5. **Hamilton, G.C.** and J. Rabin. 1993. WPS pesticide notification board. Rutgers Cooperative Extension.
6. **Hamilton, G.C.** 1991. Spanish wallet size pesticide safety card. Rutgers Cooperative Extension.
7. **Hamilton, G.C.**, J. Baron, and M.G. Robson. 1990. The 1989 Amendments to the Federal Insecticide, Fungicide, and Rodenticide Act: Facing the problems of re-registration. Rutgers Cooperative Extension.
8. **Hamilton, G.C.** 1990. English wallet size pesticide safety card. Rutgers Cooperative Extension.

External Competitive Grants Funded

1. Nielsen, A. and **G.C. Hamilton**. 2016-2020. An Areawide Biointensive Management Plan for Brown Marmorated Stink Bug (BMSB), *Halyomorpha halys* (Stål), to Reduce Impacts Throughout the Agro-Urban Interface. \$229,945. (Subcontract of larger grant headed by T. Leskey at USDA ARS). USDA Areawide Grant.
2. **Hamilton, G.C.**, A. Nielsen and D. Polk. 2016-2017. Management of Brown Marmorated Stnk Bug in US Specialty Crops. \$186,298. (Subcontract of larger grant headed by J. Walenbach at North Carolina State). USDA Specialty Crops Research Initiative Grant.
3. Leskey, T. and **G.C. Hamilton**. 2016-2017. BMSB IPM Working Group: Addressing Consumer/Pest Management Professional Needs and Coordination. \$20,000. NE IPM Center.
4. **Hamilton, G.C.**, Nielsen, A.L. and D. Polk. 2014-2017. Development of an IPM program for blueberries and grapes. \$210,750. USDA EIP.
5. **Hamilton, G.C.** 2013-2014. NJ Pesticide Safety Education Program. \$16,000. NASDARF.
6. **Hamilton, G.C.** 2013. Development and Revision of NJ Pesticide Applicator Training Manuals. \$30,000. NJ Department of Environmental Protection.
7. **Hamilton, G.C.**, Nielsen, A.L., C. Rodriguez and D. Polk. 2013-2016. Management of the brown marmorated stink bug in tree fruit, vegetables and small fruit. \$576,951. Renewal (Subcontract of larger grant headed by T. Leskey at USDA ARS). USDA Specialty Crops Research Initiative Grant.
8. Nielsen, A.L. and **G. Hamilton**. 2013. Whole Farm Organic Management of BMSB and Endemic Pentatomids through Behavior-based Habitat Manipulation. \$2,700,000. USDA Organic Research and Extension Initiative Grant.
9. **Hamilton, G.C.**, D. Polk and A.L. Nielsen. 2013. Coordination of IPM programs in peaches and blueberries in New Jersey. \$101,243. USDA EIPM.
10. **Hamilton, G.C.** 2012. NJ Pesticide Safety Education Program. \$10,000. US EPA.
11. **Hamilton, G.C.**, G. Dively, G. Ghidui, C.R. Hooks and T. Kuhar and J. Whalon. 2011. Development of Management Strategies Targeting the Brown Marmorated Stink Bug, *Halyomorpha halys* in Peppers. USDA NE Regional IPM. \$135,000.
12. **Hamilton, G.C.**, and D. Polk. 2010-2013. Coordination of IPM programs in peaches and blueberries in New Jersey. \$303,729. USDA EIPM.
13. **Hamilton, G.C.**, C. Rodriguez and D. Polk. 2010-2013. Management of the brown marmorated stink bug in tree fruit, vegetables and small fruit. \$759,000 (Subcontract of larger grant headed by T. Leskey at USDA ARS). USDA Specialty Crops Research Initiative Grant.
14. Leskey T. and **G.C. Hamilton**. 2010-2015. Development and coordination of a brown marmorated stink bug working group. \$30,000. Northeast Pest Management Center.
15. **Hamilton, G.C.**, G. Dively, A. Herbert, K. Hoelmer, T. Leskey, and B. Parker. 2010. Biology, Distribution and Pest Status of the Brown Marmorated Stink Bug (BMSB) in Agronomic, Fruit and Vegetable Crops, and Urban Areas. USDA Critical Issues Grant. \$90,000.
16. **Hamilton, G.C.** 2010. New Jersey Extension IPM Coordination. USDA EIPM. \$106,000.
17. **Hamilton, G.C.** 2010. New Jersey Pesticide Safety Education Program. US EPA PSEP. \$30,000.
18. **Hamilton, G.C.** 2009. New Jersey Information Network for Pesticide and Alternative Strategies. \$5,000. Northeast IPM Center Partnership Grants.
19. **Hamilton, G.C.** 2009. New Jersey Extension IPM Coordination. USDA EIPM. \$106,000.
20. **Fonseca, D. etc.** 2008. Areawide Management of the Asian Tiger Mosquito in NJ. USDA ARS. \$2,360,000.

21. **Hamilton, G.C.** 2008. New Jersey Information Network for Pesticide and Alternative Strategies. \$5,000. Northeast IPM Center Partnership Grants.
22. **Hamilton, G.** and **G. Williams.** 2008. Development of Novel Application Technology for the Control of the Asian Tiger Mosquito in Urban Environments. USDA NE Regional IPM Grants. \$60,000.
23. **Hamilton, G.C.** 2007. New Jersey Information Network for Pesticide and Alternative Strategies. \$15,000. Northeast IPM Center Partnership Grants.
24. **Hamilton, G.C.** and **J. Ingersohn-Mahar.** 2007. Holding a Working Group Meeting for Setting Objectives for Wireworm IPM in the Mid-Atlantic States. \$3,000. Northeast IPM Center Partnership Grants.
25. **Hamilton, G.C.,** L. Reed, R. Gaugler, and M. Robson. 2007. New Jersey Mosquito Light Trap: Field Evaluation of Two Traps by Different Manufacturers for County IPM Mosquito Programs and Risk Analysis Model Suitability. EPA Pesticide Environmental Stewardship Program. \$49,606.
26. **Hamilton, G.C.** S. Healy and T. Schulze. 2007. Integrated Pest Management to Control Vector Ticks on Public Lands. USDA Northeast Regional IPM Grants. \$60,000.
27. Lashomb, J.H., A.B. Gould and **G. Hamilton.** 2007. Impact of Imidacloprid on Disease Severity and Vector Recolonization in Oaks susceptible to Bacterial Leaf Scorch. Tree Research and Education Endowment. \$7,500.
28. **Hamilton, G.C.** 2006. Technical Assistance and staff training for the JCHA IPM Program. \$7,475. Jersey City Housing Authority.
29. **Hamilton, G.C.** 2006. Development of Surveys, Profiles and Strategy Plans for New Jersey Vegetables. \$20,000. Northeast IPM Center Partnership Grants.
30. **Hamilton, G.C.** 2006. New Jersey Information Network for Pesticide and Alternative Strategies. \$20,265. Northeast IPM Center Partnership Grants.
31. **Hamilton, G.C.** and **J. Mahar.** 2006. Conducting a Blacklight Survey for Exotic Species of Wireworms and *Copitarsia* Moths. \$19,987. USDA APHIS Cooperative Agricultural Pest Survey.
32. **Hamilton, G.C.** and **J. Mahar.** 2006. Conducting a Pheromone Trap Survey for Swede Midge (*Contarinia nasturtii* (Keiffer)). \$25,993. USDA APHIS Cooperative Agricultural Pest Survey.
33. Rajotte, E., T. Snyder and **G.C. Hamilton.** 2006. Design and Delivery of IPM Outreach to Low-Income Urban Neighborhoods. \$108,791. USDA Northeast IPM Competitive Grants.
34. **Hamilton, G.C.** 2005. Supporting a County Based Mosquito Identification Program. \$33,000. Somerset County Mosquito Control Commission.
35. **Hamilton, G.C.** 2005. Pesticide Applicator Initial (7AB) and Recertification Training. \$7,500. Jersey City Housing Authority.
36. **Hamilton, G.C.,** J. Mahar and K. Holmstrom. 2005. Conducting a Blacklight Survey for Exotic Species of Wireworms, *Copitarsia* moths and stink bugs. \$19,998. USDA APHIS Cooperative Agricultural Pest Survey.
37. **Hamilton, G.C.** and **P. Shearer.** 2005. Developing Control Strategies for the Control of Stink Bugs in Peaches and Nectarines. \$7,600. Pennsylvania Department of Agriculture.
38. **Hamilton, G.C.** and **M. Straghelini.** 2005 – 2007. A Multi-level Approach to Facilitate Large Scale Adoption of Parasitic Honey Bee Mite IPM Practices. \$134,854. USDA Crops at Risk.
39. **Hamilton, G.C.** 2004. Education and Utilization of Volunteers in Pest Detection Programs. \$22,485. USDA APHIS Cooperative Agricultural Pest Survey.
40. **Hamilton, G.C.** 2004. Increasing Public Awareness about the Brown Marmorated Stink Bug. \$20,000. NE IOM Center – Critical Issues.
41. **Hamilton, G.C.** 2004. Supporting a County Based Mosquito Identification Program. \$30,000. Somerset County Mosquito Control Commission.
42. **Hamilton, G.C.** 2004. Pesticide Applicator Initial (7AB) and Recertification Training. \$7,500. USDA APHIS Cooperative Agricultural Pest Survey.
43. **Hamilton, G.C.,** J. Mahar and K. Holmstrom. 2004. Conducting a Blacklight Survey for Exotic Species of Wireworms, *Copitarsia* moths and stink bugs. \$20,000. USDA APHIS Cooperative Agricultural Pest Survey.
44. Gould, A. J. Lashomb and **G. Hamilton.** 2004 Estimation of Tree Loss and Economic Impact due to Bacterial Leaf Scorch in New Jersey. \$15,000. USFS Forest Health Monitoring Project.
45. **Hamilton, G.C.,** J. Mahar, K. Holmstrom and S. Walker. 2002. Evaluation and Demonstration of Two-Spotted Spider Mite Biological Control in New Jersey High-Tunnel Vegetable Production. \$35,000. US EPA Alternative Agriculture Funding.
46. **Hamilton, G.C.** and **P.D. Hastings.** 2001. Mid-Atlantic information network for pesticides and alternative strategies – NJ. \$125,360.00. USDA NE Pest Management Center Grants.

47. **Hamilton, G.C.**, P. Shearer and R. Meyer 2001. Reducing peach production insecticide use, residues and associated risks to farm workers, infants and children. \$39,637.00. EPA Pesticide Environmental Stewardship Program.
48. **Hamilton, G.C.**, and D. Smith-Fiola 2000. The Promotion of integrated pest management in New Jersey and New York schools. \$40,000.00. EPA Pesticide Environmental Stewardship Program.
49. Lashomb, J. and **G.C. Hamilton**. 2000. What is biological control? – a guide for teachers. \$13,000.00. USDA APHIS National Biological Control Institute.
50. Shearer, P., D. Polk, **G.C. Hamilton**, and R. Brumfield 2000-2002. Reducing insecticide use and their associated risks in peach production. \$115,000.00. USDA Pest Management Alternatives Program.
51. **Hamilton, G.C.**, J. Ingerson-Mahar, and P. Hastings 1999. Development of Crop profiles for asparagus, spinach and forage alfalfa. \$12,000.00. USDA Pest Management Alternatives Program.
52. Shearer, P., **G.C. Hamilton** and D. Polk 1999-2001. Reduced risk peach arthropod management program. \$99,372.00. USDA Pest Management Alternatives Program.
53. Johnston, S.A., and **G.C. Hamilton**. 1999. Benefit of fungicides in resistance management for cucurbit powdery mildew. \$16,680.00. USDA NE-NAPIAP.
54. Johnston, S.A., and **G.C. Hamilton**. 1996-98. Benefit of foliar application, used alone and with plant resistance in reducing disease, yield and quality loss in spinach due to leaf diseases in New Jersey. \$45,000.00. USDA NE-NAPIAP.
55. Johnston, S.A., and **G.C. Hamilton**. 1996-98. Benefits of nematicides and fungicides to marketable yields in carrots. \$45,000.00. USDA NE-NAPIAP.
56. **Hamilton, G.C.** 1995. An assessment of the agricultural use of pesticide in New Jersey during 1994. \$22,247.00. USDA NAPIAP.
57. **Hamilton, G.C.** 1994. An assessment of the pesticides applied to conventional and IPM grown eggplant in New Jersey during 1994. \$13,700.00. USDA NAPIAP.
58. Lashomb, J.H., and **G.C. Hamilton**. 1994. Development of an educational videotape of the BCIPM program in eggplant. \$10,000.00. USDA APHIS.
59. **Hamilton, G.C.** 1993. An assessment of the pesticides applied to conventional and IPM grown eggplant in New Jersey during 1993. \$13,700.00. USDA NAPIAP.
60. Johnston, S.A., and **G.C. Hamilton**. 1993-95. Assessment of fungicide benefits for the control of anthracnose in processing tomatoes. \$61,894.00. USDA NE-NAPIAP.
61. **Hamilton, G.C.**, and D. Polk. 1992. Assessing the use of pesticides applied to New Jersey peaches during 1992. \$10,000.00. USDA NAPIAP.
62. **Hamilton, G.C.**, and J. Ingerson-Mahar. 1991. Assessing the use of pesticides applied to New Jersey field crops during 1991. \$10,000.00. USDA NAPIAP.
63. Helsel, Z., **G.C. Hamilton**, G. Ghidui, F. O'Hara, R. Samulis, and S. Tweed. 1991. Agricultural health promotion systems for New Jersey. \$117,814.00. Center for Disease Control.
64. **Hamilton, G.C.**, and D. Prostack. 1990. Assessing the use of pesticides applied to New Jersey fresh Market sweet corn during 1990. \$9,000.00. USDA NAPIAP.
65. **Hamilton, G.C.**, T. Shelton, and J. Ponessa. 1990. New Jersey comprehensive water quality program plan. \$35,000.00. USDA Special Projects.
66. **Hamilton, G.C.** 1989. Improving awareness about the interactions of pesticides, soils and groundwater. \$10,000.00. USDA Special Projects.
67. Lashomb, J.H., **G.C. Hamilton**. 1989-90. Consequences of sublethal dosages of insecticides to Colorado Potato Beetle on selected parasites and predators. \$40,000.00. USDA NE-NAPIAP.
68. Lashomb, J.H., S. Johnston, and **G.C. Hamilton**. 1989. Eggplant: A model system for integrating biological control of Colorado potato beetle and *Verticillium* wilt. \$25,000.00. USDA LISA.
69. Swift, F.C., **G.C. Hamilton**, and D. Polk. 1987-89. Monitoring for resistance of European red mites to acaricides. \$12,514.00. USDA CSRS.

External Non-Competitive Grants Funded

1. **Hamilton, G.C.** 2002. Nursery/greenhouse crop IPM expansion. \$100,000.00. NJ Dept. of Agriculture Block Grant.
2. **Hamilton, G.C.**, J. Mahar, K. Holmstrom, S. Walker, M. Infante-Casella, R. Samulis and S. Johnston 2001. EPA Demonstration and evaluation of integrated crop scouting on pumpkins in southern New Jersey. \$39,999.00. EPA Food Quality Protection Act Initiative.

3. **Hamilton, G.C.**, J. Ingerson-Mahar, and P. Hastings 1999. Development of crop profiles for apples, peppers and eggplant. USDA NAPIAP Special Grant. \$4,000.00. USDA NAPIAP Special Grant.
4. **Hamilton, G.C.** 1998. Development of crop profiles for high bush blueberry, cranberry, tomato and lettuce. \$5,000.00. USDA NAPIAP Special Grant.
5. **Hamilton, G.C.** and M.G. Robson 1998. Agricultural pesticide training video. \$42,216.00. USDA PAT Special Projects.
6. **Hamilton, G.C.** 1996-99. Improved program support for pesticide impact assessment activities in New Jersey. \$119,852.00. USDA NAPIAP.
7. **Hamilton, G.C.** 1995. Assessing the agricultural use of pesticides in New Jersey during 1994. \$6,252.00. USDA CSRS.
8. **Hamilton, G.C.** 1995. The importance of pesticide and other pest management practices in U.S. tomato production. \$8,000.00. University of California Research Agreement K941575.
9. **Hamilton, G.C.** 1994. Assessing the use of pesticides in New Jersey's eggplant IPM program during 1994. \$6,252.00. USDA CSRS.
10. **Hamilton, G.C.** 1993. Assessing the use of pesticides in New Jersey's eggplant IPM program during 1993. \$6,252.00. USDA CSRS.
11. **Hamilton, G.C.**, and Z. Helsel. 1992. Pesticide reduction and pollution prevention through a supported integrated crop management program for New Jersey. \$272,000.00. NJ DEP.
12. **Hamilton, G.C.**, and R. Meyer. 1992. Assessing the use of agricultural pesticides in New Jersey during 1991. \$6,252.00. USDA CSRS.
13. **Hamilton, G.C.**, and M.G. Robson. 1992. Assessment of regulatory market and financial obstacles to integrated pest management in New Jersey. \$7,500.00. NJ DEP.
14. **Hamilton, G.C.**, and R. Meyer. 1991. Assessing the use of commercial pesticides in New Jersey during 1990. \$6,252.00. USDA CSRS.
15. Heckman, J.R., T.B. Shelton, J.T., Ponessa, and **G.C. Hamilton**. 1991. New Jersey comprehensive water quality plan. \$45,000.00. USDA Special Projects.
16. **Hamilton, G.C.**, and R. Meyer. 1990. Assessing the use of agricultural pesticides in New Jersey during 1988 and 1989. \$6,252.00. USDA CSRS.
17. **Hamilton, G.C.** 1987-2001. Pesticide applicator training grant. \$346,000.00. USDA ES.
18. **Hamilton, G.C.** 1987-1995. Pesticide impact assessment grant. \$190,000.00. USDA ES.

Internal Competitive Grants Funded

1. **Hamilton, G.C.** 2002. Detection of a newly introduced insect pest in New Jersey. \$4,500.00. NJAES Rapid Response Grant.
2. **Hamilton, G.C.**, N. Polanin and W. Hlubik. 2002. Internet technologies for pesticide safety education. \$5,000.00. RCE Innovative Technologies Grant.
3. **Hamilton, G.C.** 2002. Internet technologies for pesticide safety education. \$1,000.00. NE Pesticide Applicator Training Grant.
4. **Hamilton, G.C.** 2001. The development of an IPM program for nurseries in southern and central New Jersey. \$4,100.00. NJAES PEG.
5. Shearer, P., **G.C. Hamilton** and W. Tietjen 1998. Tree fruit arthropod phenology model - validation and implementation. \$37,289. NJAES SARE.
6. Lashomb, J.H., G. Ghidui, **G.C. Hamilton**, G. Jelenkovic, and S. Johnston. 1994. Managing two important pests in eggplant: Colorado potato beetle and verticillium wilt via biological control and genetic engineering. \$18,000.00. NJAES ICM Initiative Grants.
7. Polk, D., **G.C. Hamilton**, B. Majek, J. Frecon, and C. Silcox. 1994. Ecological approaches and multiple control strategies for the peach insect pest complex. \$9,250.00. NJAES ICM Initiative Grants.
8. Rabin, J., R. Van Vranken, P. Nitzsche, and **G.C. Hamilton**. 1994. Establish NJAES/RCE office of crop management communications. \$30,000.00. NJAES ICM Initiative Grants.
9. Lashomb, J.H., **G.C. Hamilton**, and S.A. Johnston. 1993. Expansion of BCIPM of eggplant for insects to include protection from *Verticillium dahliae*. \$10,000.00. Rutgers ICM Initiative.

Internal Non-Competitive Grants Funded

1. Holmstrom, K.E., M. Hughes, **G.C. Hamilton**, D. Robinson, E. Green and W. Strawderman. 2002. Statistical modeling of European corn borer and weather data. 2002. \$47,394.00. NJ AES PEG.
2. **Hamilton, G.C.** 2001. Biological studies of two parasitoids of the euonymus scale, *Unapis diaspidicola*. \$1,250. (Non-Competitive). NJ Hatch Project.
3. Lashomb, J. and **G.C. Hamilton**. 2000. \$1,500. Development of a video on beneficial insects attracted to perennials. NJ SARE.
4. **Hamilton, G.C.** 1989. Mapping the use of agricultural pesticides in New Jersey. \$2,000.00. RCE.

VI. TEACHING

Undergraduate/Graduate Instruction

1. Pesticide Impacts on Human and Environmental Health. 2010 - 2016. Entomology 370:439. Fall Semester. 3 Credit. Average Enrollment: 20 Students.
2. Integrated Pest Management. 2010-2016. Entomology 370:506. Spring Semester. Average Enrollment: 5 Students.
3. Entomology for anglers. 1998 - 2016. Entomology 370:256. Spring Semester. 1 Credit. Average Enrollment: 10 Students.
4. Agricultural entomology and pest management. 1991-2016. Entomology 370:350. Spring Semester. 3 Credits. Average Enrollment: 30 Students.
5. How pesticides are regulated. 1991-1996. Lecture. Entomology 370:309, "Forest and Shade Tree Entomology." Fall Semester. 1 Credit. 15 Students.
6. How pesticides are regulated. 1992, 1994. Lecture. Entomology 370:506, "Insect Pest Management". Spring Semester. 3 Credits. Average Enrollment: 5 Students.
7. Insecticide Classification and Use. 1990. Lecture. Entomology 370:309, "Forest & Shade Tree Entomology." Fall Semester. 1 Credit.
8. Population Dynamics and Regulation. 1990. Lecture. Entomology 370:525, "Insect Ecology." Spring Semester. 3 Credits.
9. The Legal Aspects of Using Pesticides. 1988, 1989, 1990. Lecture. Entomology 370:350, "Agricultural Pest Management." Fall Semester. 3 Credits.
10. Control Methods - Insecticides. 1987, 1988, 1989. Lecture. Entomology 370:202, "Insects and Man." Spring Semester. 3 Credits.
11. Natural Control. 1988. Lecture. Entomology 370:525, "Insect Ecology." Spring Semester. 3 Credits.
12. Silent Spring - Where We've Been and How Far We've Come. 1987. Lecture. "Issues in Agriculture and Environmental Science." Spring Semester. 3 Credits.

Graduate Students Advised

- 2016 - Present William Reichert. Ph. D. Student. Department of Plant Science. Degree Completion Ongoing. Dissertation: Genetic improvement of catnip for use in repelling insect pests. Member of Dissertation Committee.
- 2016 - Present Denise Gemmalloro. Ph. D. Student. Department of Entomology. Degree Completion Ongoing. Dissertation: Studies on the impact of ecotype and altitude on blow fly diversity. Primary advisor.
- 2015 - Present George Condon. Ph. D. Student. Department of Entomology. Degree Completion Ongoing. Dissertation: The role of spatial design of companion flower planting on the management of European corn borer in peppers. Primary advisor.
- 2011 - 2016 Noel Hahn. Ph. D. Student. Department of Entomology. Degree Completed Expected 10/2016. Dissertation: Studies on the spatial movement of the brown marmorated stink bug, *Halyomorpha halys*. Primary advisor.
- 2011 - 2016 John Cambridge. Ph. D. Student. Department of Entomology. Degree Completed 10/2016. Dissertation: Behavioral Patterns of the Brown Marmorated Stink Bug and the Implications for Monitoring Programs. Primary advisor.

- 2011 - 2015 Lauren Weidner. Ph. D. Student. Department of Entomology. Degree Completed 10/2015
Dissertation: Biology and Ecology of Forensically Important Blow Flies (Diptera: Calliphoridae) in New Jersey With a Focus on the Black Blowfly *Phormia regina*. Primary advisor.
- 2008 – 2011 Matthew Bickerton. Masters Student. Department of Entomology. Degree Completed 7/2011.
Thesis: Intercropping for Conservation Biological Control of European Corn Borer in Bell Peppers. Primary Advisor.
- 2003 - 2008 Anne Nielsen. Ph.D. Student. Department of Entomology. Degree Completed 10/08.
Dissertation: Studies on the biology and control of the brown marmorated stink bug, *Halyomorpha halys*. Primary advisor.
- 2002 – 2003 Peter Gregory, MPH student. Department of Public Health, UM DMJ. Degree Completed 12/03.
Thesis: Evaluation of the potential agricultural bioterrorism threats at the Port of Elizabeth, NJ.
- 2000 – 2003 Jae H. Kwak, Ph.D. student. Department of Food Science. Degree Conferred 5/03. Dissertation:
Comparison of pesticide residues in organic and conventional foods. Member of Dissertation Committee.
- 2000 - 2002 Jong Hong. Ph.D. Student. Department of Entomology. Degree Conferred 12/02. Thesis: Gender and Organophosphate Toxicity in Oriental Fruit Moth, *Grapholita molesta* (Busck) (Lepidoptera: Tortricidae). Member of Dissertation Committee.
- 1999 - 2003 Jamey Scott. Ph.D. Student. Department of Entomology. Degree Conferred 5/03. Dissertation:
Biology and habits of *Aedes japonicus* in New Jersey. Member of Dissertation Committee.
- 1999 - 2003 Deepak Matadha. Ph.D. student. Department of Entomology. Degree Conferred 5/03.
Dissertation: Biological Studies of Aphytis Sp. And Encarsia sp. Nr. Diaspidicola (Aphelinidae: Hymenoptera, parasitoids of euonymus scale. Primary advisor.
- 1999 – 2000 Tadgh Rainey. Masters Student. Department of Entomology. Degree conferred 10/00. Thesis:
Emergence patterns of *Culiseta melanura* (Coquillett) (Diptera:Culicidae) in New Jersey and the impact on EEEV Amplification. Member of Thesis Committee.
- 1999 June Zang, Ph.D. student. Department of Food Science. Degree conferred 5/99. Dissertation:
Analysis and photochemistry of organic pesticides used by organic farmers. Member of Dissertation Committee.
- 1998 - 2002 Peter Bozak. Ph.D. student. Department of Entomology. Degree conferred 5/02. Dissertation:
Behavior and Morphological Aspects of the Cattail Mosquito, *Coqueilletidia perturbans* (Walker) in Relation to Eastern Equine Encephalomyelitis Virus in New Jersey. Member of Dissertation Committee.
- 1994 - 1999 Kristian Holmstrom. Masters student. Department of Plant Pathology. Degree conferred 5/99.
Dissertation: The effect of cruciferous amendments with soil solarization on damping-off fungi in greenhouse media. Member of Thesis Committee.
- 1992 - 1996 Michael Olszewski. Masters student. Department of Plant Pathology. Degree completed 5/96.
Dissertation: Identification of the possible vectors of *Xylella fastidiosa*, causal agent of oak leaf scorch. Member of Thesis Committee.

Curricula Developed

Pesticides: issues and answers - a curriculum for Cook College freshman. 1993. Lectures for “Perspectives in Agriculture and the Environment.” Agriculture. & Environmental. Science 015:101.

Formal Extension Courses/Workshops

1. Pesticide safety for landscape contractors short course. March 28, 2002. Rutgers University.
2. Mosquito control training workshop. March 20, 2001. Rutgers University.
3. Mosquito control training workshop. March 5, 2001. Atlantic City, New Jersey.
4. Pesticide safety for landscape contractors short course. March 1, 2001. Rutgers University.
5. Mosquito control training workshop. March 16, 2000. Atlantic City, New Jersey.
6. Pesticide safety for landscape contractors short course. February 29, 2000. Rutgers University.
7. Mosquito control training workshop. April 4, 1999. Atlantic City, New Jersey.
8. Mosquito control training workshop. March 29, 1999. Rutgers University.
9. Pesticide safety for landscape contractors short course. November 23, 1998. Rutgers University.
10. Mosquito control training workshop. April 14, 1998. Rutgers University.
11. Mosquito control training workshop. April 6, 1998. Atlantic City, New Jersey.
12. Pesticide safety for landscape contractors short course. December 5, 1997. Rutgers University.
13. Mosquito control training workshop. February 27, 1997. Atlantic City, New Jersey.
14. Mosquito control training workshop. February 2, 1997. Rutgers University.
15. Pesticide safety for landscape contractors short course. December 3, 1996. Rutgers University.
16. WPS train the trainer workshop. May 4, 1995. Bergen County Cooperative Extension.
17. WPS train the trainer workshop. April 6, 1995. Hunterdon County Cooperative Extension.
18. WPS train the trainer workshop. March 17, 1995. Burlington County Cooperative Extension.
19. WPS train the trainer workshop. March 16, 1995. Mercer County Cooperative Extension.
20. WPS train the trainer workshop. February 28, 1995. Morris County Cooperative Extension.
21. WPS train the trainer workshop. February 24, 1995. Warren County Cooperative Extension.
22. WPS train the trainer workshop. February 17, 1995. Cumberland County Cooperative Extension.
23. WPS train the trainer workshop. January 26, 1995. Gloucester County Cooperative Extension.
24. Worker protection. January 17, 1995. General Session - 38th Annual New Jersey Vegetable Meeting.
25. WPS worker training session. January 13, 1995. Rutgers Blueberry Cranberry Research and Development Center.
26. Train the trainer certification workshop. December 15, 1994. New Jersey Agribusiness Association 2nd Annual Meeting.
27. Issues in pesticide safety and use. November 29, 1994. Turf Expo '94.
28. In-service on the EPA worker protection standard law. May 25, 1994. Rutgers University.
29. Workshop on the SARA Title III, the OSHA hazard communication standard and the New Jersey right-to-know laws. January 10, 1992. New Jersey Golf Course Superintendents Association.
30. Right-to-know, how to keep in compliance, developing a compliance program. December 2, 1991. Turf Expo '91.
31. Insects and other animals affecting man. October 26 to November 23, 1991. Co-Coordinator with Coby Schal. Cook College Short Course.
32. Core preparatory course. October 22, 1991. Union County Adult Education School.
33. CPA 7D training school. 1991 to 1996. Cook College Short Course. Summer Semester each year.
34. Core preparatory course. May 3, 1990. Salem County Community College.
35. Core preparatory course. April 26, 1990. Brookdale Community College.
36. Core preparatory course. March 13, 1990. Union County Adult Education School.
37. Core preparatory course. November 14, 1989. Union County Adult Education School.
38. Organic farming and pesticides. October 25, 1989. Monmouth Co. Cooperative Extension Office.
39. Pesticide liability. May 3, 1989. 1989 RCE In-Service Training Series.
40. The Safety of our food supply - issues and answers. April 26, 1989. Kings Supermarkets. Wayne & Short Hills, NJ.
41. Food safety and pesticides. April 19, 1989. Gloucester Co. Cooperative Extension Office.
42. Core training session. April 12, 1988. Hunterdon County Library.
43. Core preparatory course. April 6, 1989. Brookdale Community College.
44. Implementing right-to-know on the farm. March 10, 1989. Camden Co. Cooperative Extension Office.
45. Pesticide applicator core/category training and exam. March 17, 1988. Gloucester County Extension Office.

46. Category 10 training - a half day seminar in pesticide recertification. March 2, 1988. Cook College Short Course.
47. Monthly core training course. June 1987 - 1998. Rutgers University.

Television/Radio Programs

1. Groundwater and pesticides. Program aired on May 31, 1990 on WWBZ Radio Station. Pittman. NJ.
2. Safe food - a panel discussion. Program aired on April 30, 1989 as part of the "New Jersey" series shown on Cable Television Network.

Extension Presentations to Agricultural and other Clientele Groups

Since 1987, an average of 39 talks per year, each lasting normally 1 hour or less, were given to approximately 50,000 people per year on a variety of subjects ranging from pesticide safety and regulations to hazards presented by pesticides to pesticide applicators and the general public, etc.

VII. SERVICE

Professional Service

American Association of Pesticide Safety Educators - Charter Member, 1992 to Present.

Journal of the American Association of Pesticide Safety Educators Editorial Board, 2005 to 2010

Governing Board Representative - Northeast, 1997 to 2000.

Nominations Committee – 1997, 1999 (Chair).

Program Committee – 2001 to 2002, 1992 to 1996, Chair - 1995/96.

Record Keeping Committee - 1995 (Chair).

Auditing Committee - 1995 to present (Chair).

Entomology Society of America - Member, 1979 to Present.

Board of Governors, 2003 to 2009.

Eastern Branch Past President, 2012

Eastern Branch President, 2011

Eastern Branch President Elect, 2010.

Eastern Branch Archivist/Historian, 2003 to Present.

Eastern Branch Treasurer, 2000 to 2003.

Eastern Branch Meeting Registration Committee - 1998 (Chair).

Eastern Branch Annual Program Editor, 1988-1990

Eastern Branch Representative to the national selection committee for the ESA Distinguished Service to the Certification Program Award, 1998 - 1999.

Section E Nominations Committee, 1996 to 1998.

Section E Student Paper Competition Committee, 1997, 1998 (Chair – 1997).

Environmental Protection Agency Certification and Training Review Committee. 1997 to 2000.

National Pesticide Impact Assessment Program Technical Committee, Northeast Region. 1989 to 1999.

New Jersey Agribusiness Association, 1994 to Present.

President, 1996.

Vice President, 1995.

Secretary, 1994.

Board of Director, 1994 to 2004.

New Jersey Specialist Association, 1986 to Present.

President, 1990.

Vice President, 1989.

Secretary, 1988.

Northeast Pesticide Coordinators Working Group. 1986 to Present.

Pesticide Association of New Jersey, 1986 to 1993.

Secretary, 1987 to 1993.

Awards Committee, 1987 to 1993.

USDA PAT GPPRA Reporting Requirements Committee - 1997.

USDA Carbofuran Pesticide Benefits Assessment Team. 1989.
USDA Diazinon Pesticide Benefits Assessment Team. 1991 to 1994. (Chair).
USDA Leafy Vegetables Pesticide Benefits Assessment Team. 1992 to 1994. (Co-Chair).
USDA Tomato Pesticide Benefits Assessment Team. 1994 to 1999. (Chair - Insecticide Section).

University Service

Cook College, Rutgers University.

NJAES Mission and Programs Strategy Team. 2000 to 2003. (Co-Chair).
Building and Grounds Committee. 1994 to 1996.
Dean's Designate, NJ Department of Agriculture Food Safety Committee. 1993 to 2006.
Dean's Designate, New Jersey Governor's Pesticide Advisory Council. 1987 to 2006.
Governor's Task Force on Structural IPM. 1993 to 1994.
Department of Agriculture State Board Committee on Environmental Regulation. 1991 to 2006.
Department of Environmental Protection IPM Task Force. 1998 to 2006.
Interagency Water Quality Group, 1990 to 2006.
Pest Survey Steering Committee, CASP. 1987 to 2006.
Rutgers Pesticide Advisory Committee, 1986 to 2006.
State Liaison, USDA Pesticide Applicator Training Program, 1986 to 2006.
State Liaison, USDA Pesticide Impact Assessment Program, 1986 to 1999.

School of Environmental and Biological Sciences, Rutgers University.

Dean's Designate, NJ Department of Agriculture Food Safety Committee. 2006 to Present.
Dean's Designate, New Jersey Governor's Pesticide Advisory Council. 2006 to Present.
Department of Agriculture State Board Committee on Environmental Regulation. 2006 to Present.
Department of Environmental Protection IPM Task Force. 2006 to Present.
Pest Survey Steering Committee, CASP. 2006 to Present.
Rules of Procedure Committee, 2007 to Present.
Rutgers Pesticide Advisory Committee, 2006 to Present.
State Liaison, USDA Pesticide Applicator Training Program, 2006 to Present.

Department of Entomology, Rutgers University.

Department Chair. 1998 to 1999, 2007 to Present.
Department Safety Officer. 1987 to Present.
Entomology Ag Day and Visitation Committee, 1986 to 1997 (Chair - 1987, 1990, 1991, 1992, 1995, 1997).
Insect Diagnostic Center Committee. 1997.
Clientele Board Committee. 1997 to 1998.

Department of Extension Specialists, Rutgers University.

Awards Committee, 2001.
Personnel Evaluation Committee, 1999.
Department Secretary. 1994 to 1998.
RCE Directions in Extension Task Force. 1991 to 1992.