

**SUSAN E. HALBERT**  
**Curriculum Vitae**

Division of Plant Industry Florida Dept. of Agriculture & Consumer Services  
1911 SW 34 St., P.O. Box 147100  
Gainesville, FL 32614-7100

**Education:**

Bachelor of Arts, DePauw University, 1973.  
Master of Science in Entomology, University of Illinois, 1975.  
Doctorate in Entomology, University of Illinois, 1979.

**Professional Experience:**

1974-1975     Research Assistant at the Illinois Natural History Survey  
1976-1978     Research Assistant for the International Soybean Program, University of Illinois  
1979-1980     Research Assistant, University of Illinois (aphid identification)  
1981           National Academy of Sciences Visiting Scholar in Nanjing, People's Republic of  
                  China (epidemiology of soybean mosaic virus)  
1982-1985     Research Associate, Washington State University Irrigated Agriculture R&E  
                  Center (field work on barley yellow dwarf virus and its vectors)  
1985-1992     Research Associate, University of Idaho, Parma Research and Extension Center  
                  (field work on viruses of cereals, potatoes, beans, and aphid survey activities)  
1992-1995     Aphid Survey Coordinator, University of Idaho, Aberdeen Research and  
                  Extension Center (field work on viruses of cereals and potatoes, biological control  
                  of Russian wheat aphid)  
1995-present   Taxonomic Entomologist, Division of Plant Industry, Florida Dept of Agriculture  
                  (Florida Hemiptera identifier; research on citrus tristeza virus, palm  
                  phytoplasmas, huanglongbing, insect systematics)

**Fellowships, Grants, Honors (Selected):**

1973           Phi Beta Kappa  
1973           Outstanding Senior Woman in Zoology, DePauw University  
1981           National Academy of Sciences (Soybean Research in the People's Republic of China)  
1989           Western Regional IPM (USDA), USDA-APHIS (Soviet exploration)  
1990           International Honor Roll - University of Idaho  
1991           USDA (Soviet Exploration for parasites of Russian wheat aphid)  
1998           Florida State Record Award for finding the USA record for *Diaphorina citri*  
2001           DPI Citation of Special Recognition, DPI Distinguished Service Award  
2004           Achievement Award for Extension, Florida Entomological Society  
2005           Florida State Record Award for finding the USA record for Huanglongbing (citrus  
                  greening)  
2011           DPI Employee of the year  
2015           Berger Award

**International Activities:**

National Academy of Sciences Visiting Scholar in the People's Republic of China, 1981.  
Exploration for natural enemies of the Russian wheat aphid in the U.S.S.R. 1989, 1991.  
Collecting trip Taiwan 1999

Citrus greening workshop Hanoi 2008  
Citrus greening workshop Java 2011  
Citrus greening workshop Taiwan 2012  
Citrus greening scouting Colombia 2014  
Citrus greening training Kenya and Tanzania 2018

### **Significant Presentations (2005-present)**

Fruit fly workshop, Zanzibar, Tanzania 2018, short presentation on Florida fruit fly response  
Citrus greening workshop, Mombasa Kenya 2018, several invited presentations  
IRCHLB – Orlando 2017 Distributions of HLB-infected plants and positive psyllids over time  
ICE – Orlando 2016 Invited presentation on new transmission mechanism for citrus greening  
Invited presentation on citrus greening for UF Emerging Pathogens Institute 2016  
IRCHLB 2015. New transmission mechanism for HLB  
Citrus greening scouting and training Colombia 2014  
American Phytopathological Society 2013. Invited speaker on Texas Phoenix Palm Decline  
Citrus greening workshop 2012 Taiwan  
Citrus greening workshop Java 2011  
Citrus greening workshop 2008 Hanoi  
Citrus greening workshops Orlando FL 2007-2013  
Citrus greening meeting Brazil 2006  
IRCHLB 2005 – discovery of citrus greening in Florida

### **Publications:**

Dederich, A.E., S.E. Halbert, C.D. von Dohlen. 2022. Description of a new species of *Hamamelistes* forming galls on *Fothergilla* spp. (Hamamelidaceae) and the generic limits of Hormaphidini (Sternorrhyncha: Aphididae: Hormaphidinae). *Zootaxa* 5183 (1): 203-219. <https://www.mapress.com/zt/article/view/zootaxa.5183.1.16>.

Barjadze, S., S.E. Halbert, R. Ben-Shlomo. 2022. A new gall-producing species of *Geoica* Hart, 1894 (Hemiptera: Aphididae: Eriosomatinae) from Israel. *Zootaxa* 5183 (1): 343-354. <https://www.mapress.com/zt/article/view/zootaxa.5183.1.24>.

Barjadze, S., S.E. Halbert, M.R. Moore, M. Kanturski. 2022. Morphology, molecular phylogenetics, and DNA barcoding revealed a new unusual species of the aphid genus *Pleotrichophorus* from the USA (Insecta, Hemiptera: Aphididae). *Zootaxa* 5183 (1): 390-422. <https://www.mapress.com/zt/article/view/zootaxa.5183.1.16>.

Cooper, W. R., Marshall, A. T., Foutz, J., Wildung, M. R., Northfield, T. D., Crowder, D. W., Leach, H., Leskey, T. C. Halbert, S. E., Snyder, J. B. 2022. Directed sequencing of plant specific DNA identifies the dietary history of four species of Auchenorrhyncha (Hemiptera). *Annals of the Entomological Society of America* 115(3): 275–284.

Moore, M.R., Halbert, S.E., McVay, J.D., Miller, G.L. 2022. *Thelaxes suberi*, an oak aphid (Hemiptera: Aphididae: Thelaxinae) new to the Western Hemisphere. *Proceedings of the Entomological Society of Washington* 123: 808-819.

Snyder, J., Dickens, K.L., Halbert, S.E., Dowling, S., Russell, D., Henderson, R., Rohrig, E., Ramadugu, C. 2022. The Development and Evaluation of Insect Traps for the Asian Citrus Psyllid, *Diaphorina citri* (Hemiptera: Psyllidae), Vector of Citrus Huanglongbing. *Insects* 2022, 13, 295: 1-17. <https://doi.org/10.3390/insects13030295>.

Henry, T.J., C.E. White, and S.E. Halbert. 2021. New Florida and United States Heteropteran records (Hemiptera: Aradidae, Coreidae, Miridae). *Proceedings of the entomological Society of Washington* 123: 538-550.

- Horton, D.R., E. Miliczky, T.D. Waters, D. Burckhardt, and S.E. Halbert. 2021. Exotic psyllids and exotic hosts: Accumulation of nonnative Psylloidea in North America (Hemiptera). *Annals of the Entomological Society of America*. 114: 425-447. doi: 10.1093/aesa/ssab014.
- Wang, Y.-j., S.E. Halbert, S. Mohamed, H. Delatte, B. Reynaud, G.A.C. Beattie, P. Holford, J.-m. Lu, Y.-j. Cen. 2021. Mitochondrial genomes reveal diverse lineages of *Diaphorina citri* Kuwayama (Hemiptera: Sternorrhyncha: Psyllidae) in Kenya and La Réunion. *Biological Invasions*. <https://doi.org/10.1007/s10530-021-02560-1>.
- Crossley, M.S., O.M. Smith, T.S. Davis, S.D. Eigenbrode, G.L. Hartman, D. Lagos-Kutz, S.E. Halbert, D.J. Voegtlin, M.D. Moran, W.E. Snyder. 2021. Complex life histories predispose aphids to recent abundance declines. *Global Change Biology* 2021;00:1-11. DOI: 10.1111/gcb.15739.
- Eger, J.E., A.J. Pitcher, S.E. Halbert, C. Penca, A.C. Hodges. 2020. First report of *Brachyplatys subaeneus* (Westwood) (Hemiptera: Heteroptera: Plataspidae) in the United States. *Insecta Mundi* 0814: 1-6.
- Tasi, A., T. Morawo, and S.E. Halbert. 2021. Fig psyllids. UF Featured Creature. [fig.curtainfig.ficus leaf-rolling.psyllid \(ufl.edu\)](http://fig.curtainfig.ficus.leaf-rolling.psyllid.ufl.edu).
- Halbert, S.E., X. Martini, D.N. Russell, M. Moore, L. Deeter, and D.R. Miller. 2021. *Acanthococcus lagerstroemiae* (Kuwana), crapemyrtle bark scale, detected in the Florida Panhandle. DPI Pest Alert. FDACS-P-01954. <https://www.fdacs.gov/content/download/98126/file/PESTALERT-Crapemyrtlebarkscale01954.pdf>
- Halbert, S.E., J.E. Eger, J.S. Allen. 2020. *Brachyplatys subaeneus* (Westwood), black bean bug, detected in South Florida. DPI Pest Alert. FDACS-P-10936. <https://www.fdacs.gov/content/download/94143/file/PESTALERT-Blackbeanbug01936.pdf>
- Halbert, S.E. BOLO. Black bean bug, (*Brachyplatys subaeneus* (Westwood)), detected in South Florida. FDACS DPI issued October 2020. 2p.
- Halbert, S.E., C.A. Boring, and C.R. Bartlett. 2020. *Lycorma delicatula* (White) (Hemiptera: Fulgoridae), spotted lanternfly. DPI Pest Alert. FDACS-P-01981. <https://www.fdacs.gov/content/download/94346/file/PESTALERT-SpottedLanternfly01981.pdf>
- Halbert, S.E., B Danner. 2020 Potato psyllid advisory. FDACS-P-01930 10/20. (Outreach card).
- Thompson, V, S.E. Halbert, and M. Rothschild. 2020. A new species of the spittlebug genus *Clastoptera* Germar (Hemiptera: Cercopoidea: Clastopteridae) on Florida oaks. *Insecta Mundi* 0796: 1-16.
- Halbert, S.E., and D. Burckhardt. 2020. The psyllids (Hemiptera: Psylloidea) of Florida: newly established and rarely collected taxa and checklist. *Insecta Mundi* 0788: 1–88.
- Halbert, S.E., M.R. Moore, C.R. Bartlett, and J.S. Allen. 2020. Identification of planthoppers (Hemiptera: Delphacidae) intercepted on aquarium plants in Florida and elucidation of a potential pathway for exotic aquatic and semiaquatic pests. *Insecta Mundi* 0775: 1–6.
- Halbert, S.E. and B. Singer. 2020 Epidemiology of Huanglongbing: Implications of infective colonization events. Pages 140–155 in J.A. Qureshi and P.A. Stansly, Eds. Asian citrus psyllid: Biology, ecology and management of the Huanglongbing vector. CABI International; London 290 p.
- Wentz, K.M., Cooper, W.R., Horton, D.R., Wohleb, C.H. Waters, T.D., Halbert, S.E., Ramadugu, C. James Snyder, J., and Robert M. Kao, R.M. 2020. Prototype 3D-Printed traps capture *Bactericera cockerelli* (Šulc) (Hemiptera: Triozidae) directly into preservative for improved detection of “*Candidatus Liberibacter solanacearum*.” *Journal of Entomological Science* 55: 147-155.

- Shimwela, M.M., Halbert, S.E., Keremane, M.L., Mears, P. Singer, B.H., Lee, W.S. Jones, J.B., Ploetz, R.C., and van Bruggen, A. H. C. 2019. In-grove spatio-temporal spread of citrus huanglongbing and its psyllid vector in relation weather. *Phytopathology* 109:418-427.
- Horton, D.R., Miliczky, E.R., Lewis, T.M., Wohleb, C.H., Waters, T.D., Dickens, A.A., Halbert, S.E., Ramadugu, C., and Jensen, A.S. 2019. Building a better Psylloidea (Hemiptera) trap? A field-look at a prototype trap constructed using three-dimensional printer technology. *Canadian Entomologist* 151: 115-129.
- Bahder, B.W., Halbert, S., Mou, D.-f., Elmick, E.E., Soto, N, Otero, M., and Segarra, A. 2018. Establishment of the sea grape flatid, *Petrusa epilepsis* (Hemiptera: Fulgoroidea: Flatidae), in Florida. *Florida Entomologist* 101: 634-641.
- Ramadugu, C., Keremane, M. L., Halbert, S. E., Duan. Y.-p., Roose, M. L., Stover, E, and Lee, R. F. 2016. Long term field evaluation reveals HLB resistance in *Citrus* relatives. *Plant Disease* (in press). <http://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-03-16-0271-RE>
- Shimwela, M. M., Narouei-Khandan, H. A., Halbert, S. E., Keremane, M. L., Minsavage, G. V., Massawe, D. P., Timilsina, S., Jones, J. B., and van Bruggen, A. H. C. 2016. First occurrence of *Diaphorina citri* in East Africa, characterization of the *Ca. Liberibacter* species causing huanglongbing (HLB) in Tanzania, and potential further spread of *D. citri* and HLB in Africa and Europe. *European Journal of Plant Pathology* <http://link.springer.com/article/10.1007/s10658-016-0921-y> [accessed 7 April 2016].
- da Graça, J. V., Douhan, G. W., Halbert, S. E., Keremane, M. L., Lee, R. F., Vidalakis, G., and Zhao, H.-w. 2015. Huanglongbing: An overview of a complex pathosystem ravaging the world's citrus. *Journal of Integrative Plant Biology*. <http://onlinelibrary.wiley.com/doi/10.1111/jipb.12437/epdf> [Accessed 18 August 2016].
- Lee, J. A., Halbert, S. E., Dawson, W. O., Robertson, C. J., Keesling, J. E., and Singer, B. H. 2015. Asymptomatic spread of huanglongbing and implications for disease control. *Proceedings of the National Academy of Sciences* 112: 7605–7610, doi:10.1073/pnas.1508253112.
- Halbert, S. E. and Baker, C. A. 2015. Banana bunchy top virus and its vector, *Pentalonia nigronervosa*. Florida Department of Agriculture and Consumer Services, Division of Plant Industry Plant Pathology Circular 417. 3pp. <http://freshfromflorida.s3.amazonaws.com/Media%2FFiles%2FPlant-Industry-Files%2FPlant-Pathology-Circulars%2FBanana+bunchy+top+2015+circular1.pdf>
- Serbina, L., Burckhardt, D., Birkhofer, K., Syfert, M.M., and Halbert, S. E. The potato pest *Russelliana solanicola* Tuthill (Hemiptera: Psylloidea): taxonomy and host-plant patterns. *Zootaxa*, [S.l.], v. 4021, n. 1, p. 33–62, sep. 2015. ISSN 1175-5334. Available at: <http://biotaxa.org/Zootaxa/article/view/zootaxa.4021.1.2>.
- Russell, D. N. Qureshi, J. A., Halbert, S. E., and Stansly, P. A. 2014. Host susceptibility of citrus and *Zanthoxylum* for *Leuronota fagarae* Burckhardt and *Diaphorina citri* Kuwayama (Hemiptera: Psylloidea). *Florida Entomologist* 97: 1481-1492. <http://journals.fcla.edu/flaent/article/view/83859/80750>, <http://journals.fcla.edu/flaent/article/view/83860/80751>
- Halbert, S.E., Wilson, S.W., Bextine, B., and Youngblood, S.B. 2014. Potential Planthopper Vectors of Palm Phytoplasmas in Florida with a Description of a New Species of the Genus *Omoligna* (Hemiptera: Fulgoroidea). *Florida Entomologist* 97: 90-97. <http://journals.fcla.edu/flaent/article/view/83056/79944>
- Halbert, S.E., K. Manjunath, C. Ramadugu, and R.F. Lee. 2012. Incidence of huanglongbing-associated ‘*Candidatus Liberibacter asiaticus*’ in *Diaphorina citri* (Hemiptera: Psyllidae) collected from plants for sale in Florida. *Florida Entomologist* 95: 617-624. <http://journals.fcla.edu/flaent/article/view/80375/77616>

- Chiyaka, C., B.H. Singer, S.E. Halbert, J.G. Morris, Jr., and A.H.C. van Bruggen. 2012. Modeling huanglongbing transmission within a citrus tree. Proceedings of the National Academy of Sciences 109:12213-12218. Full text on line at <http://www.pnas.org/content/109/30/12213.full.pdf+html>
- Halbert, S.E. and J.E. Munyaneza. 2012. The potato psyllids and its associated pathogens. NPDN Protect US Module [http://entnemdept.ifas.ufl.edu/hodges/ProtectUs/presentations/potato\\_psyllids\\_7\\_6-12.pdf](http://entnemdept.ifas.ufl.edu/hodges/ProtectUs/presentations/potato_psyllids_7_6-12.pdf)
- Halbert, S.E. and J.E. Munyaneza. 2012. Potato psyllids and associated pathogens: A diagnostic aid. Web publication at [http://www.fsca-dpi.org/Homoptera\\_Hemiptera/Potato\\_psyllids\\_and\\_associated\\_pathogens.pdf](http://www.fsca-dpi.org/Homoptera_Hemiptera/Potato_psyllids_and_associated_pathogens.pdf)
- Jeyaprakash, A. B. D. Sutton, S. E. Halbert and T. S. Schubert. 2011. High-fidelity PCR facilitates detection and identification of a Texas Phoenix palm phytoplasma strain from pigmy date palm, *Phoenix roebelenii* in Florida. Plant Disease 95: 1475.
- Hadi, B.A.R., K.L. Flanders, K.I. Bowen, J.F. Murphy, and S. E. Halbert. 2011. Species composition of aphid vectors (Hemiptera: Aphididae) of barley yellow dwarf virus and cereal yellow dwarf virus in Alabama and western Florida. Journal of Economic Entomology 104: 1167-1173.
- Eger, J.E., Jr., Ames, L.M., Suiter, D.R., Jenkins, T.M., Rider, D.A., and Halbert, S.E. 2010. Occurrence of the Old World bug, *Megacopta cribraria* (Fabricius) (Heteroptera: Plataspidae) in Georgia: a serious home invader and potential legume pest. Insecta Mundi 121: 1-11.
- Halbert, S.E., K. Manjunath, F. Roka, and M. Brodie. 2010. Huanglongbing (citrus greening) in Florida, 2008. FFTC Extension Bulletin 608. 8pp.
- Halbert, S.E., K.L. Manjunath, C. Ramadugu, M.W. Brodie, S.E. Webb, and R.E. Lee. 2010. Trailers transporting oranges to processing plants move Asian citrus psyllids. Florida Entomologist 93:33-38. <http://journals.fcla.edu/flaent/article/view/76046/73704>
- Hartung, J.S., S.E. Halbert, K. Pelz-Stelinski, R.H. Brlansky, C.-x. Chen, and F.G. Gmitter. 2010. Lack of Evidence for transmission of ‘*Candidatus Liberibacter asiaticus*’ through citrus seed taken from affected fruit. Plant Disease 94: 1200-1205.
- Halbert, S.E. and J.E. Eger. 2009. *Nerthra fuscipes*, a toad bug (Hemiptera: Gelastocoridae) new to the USA, established in Florida. Florida Entomologist 92: 161-162. <http://journals.fcla.edu/flaent/article/view/75922/73580>
- Halbert, S.E., D. Corsini, M. Wiebe, and S.F. Vaughn. 2009. Plant-derived compounds and extracts with potential as aphid repellents. Annals of Applied Biology 154: 303-307.
- Rung, A., S.E. Halbert, D.C. Ziesk, and R.J. Gill. 2009. A Leafhopper Pest of Plants in the Mint Family, *Eupteryx decemnotata* Rey (Hemiptera): Auchenorrhyncha: Cicadellidae), Ligurian Leafhopper, New to North America. Insecta Mundi 88:1-4.
- Halbert, S.E., K.L. Manjunath, and M.W. Brodie. 2008. Large-scale distribution of *Diaphorina citri* Kuwayama and citrus huanglongbing in Florida. Proceedings of the International Research on Huanglongbing. Orlando. Plant Management Network December 2008. Accessed 3 March 2010. <http://www.plantmanagementnetwork.org/proceedings/irchlb/2008/presentations/IRCHLB.2.6.pdf>
- Halbert, S.E., K. Manjunath, F. Roka, and M. Brodie. 2008. Huanglongbing (citrus greening) in Florida, 2008. Proceedings of FFTC-PPRI-NIFTS Joint Workshop on management of citrus greening and virus diseases for the rehabilitation of citrus industry in the ASPAC. Pages 58-67.
- Nuessly, G.S., R.T. Nagata, J.D. Burd, M.G. Hentz, A.S. Carroll, and S.E. Halbert. 2008. Biology and biotype determination of greenbug, *Schizaphis graminum* (Hemiptera:



- Aphididae), on seashore paspalum turfgrass (*Paspalum vaginatum*). Environmental Entomology 37: 586-591.
- Schuh, R.T., C. Weirauch, T.J. Henry, and S.E. Halbert. 2008. Curaliidae, a new family of Heteroptera (Insecta: Hemiptera) from the Eastern United States. Annals of the Entomological Society of America 101: 20-29.
- Manjunath, K.L., S.E. Halbert, C. Ramadugu, S. Webb, and R.F. Lee. 2008. Detection of 'Candidatus Liberibacter asiaticus' in *Diaphorina citri* and its importance in the management of citrus huanglongbing in Florida. Phytopathology 98: 387-396.  
<http://apsjournals.apsnet.org/doi/pdfplus/10.1094/PHYTO-98-4-0387> [accessed 27 April 2016.]
- Evans, G.A. and S.E. Halbert. 2007. A checklist of the aphids of Honduras (Hemiptera: Aphididae). Florida Entomologist 90: 518-523.  
<http://journals.fcla.edu/flaent/article/view/75691/73349>
- Halbert, S., L. B. O'Brien, and S.W. Wilson. 2007. The planthopper genus *Acanalonia* in Florida with notes on a recently introduced species, *A. excavata* (Hemiptera: Fulgoroidea: Acanaloniidae). Florida Entomologist 90: 690-692.  
<http://journals.fcla.edu/flaent/article/view/75720/73378>
- Miller, G.L., S.E. Halbert, and R.G. Foottit. 2007. A taxonomic reevaluation of *Ovatus mentharius* (van der Goot) (Hemiptera: Aphididae). Proceedings of the Entomological Society of Washington 109: 522-529.
- Zhou, L.-j., D.W. Gabriel, T.-p. Duan, S.E. Halbert, and W.N. Dixon. 2007. First report of dodder transmission of huanglongbing (greening) from naturally infected *Murraya paniculata* to citrus. Plant Disease 91: 227.
- Cherry, R., P. Stansly, R. Nagata, and S. Halbert. 2006. *Liburnia pseudoseminigra* (Delphacidae: Homoptera), a new and unusual pest of St. Augustinegrass. Florida Entomologist 89: 459-561. <http://journals.fcla.edu/flaent/article/view/75582/73240>
- Foottit, R.G., S.E. Halbert, G.L. Miller, E. Maw, and L.M. Russell. 2006. Adventive aphids (Hemiptera: Aphididae) of America north of Mexico. Proceedings of the Entomological Society of Washington 108: 583-610.
- Pantoja, A., J. Peña, W. Robles, E. Abreu, S. Halbert, M. de Lourdes L. E. Hernández, and J. Ortiz. 2006. Aphids associated with papaya plants in Puerto Rico and Florida. Journal of the Agricultural University of Puerto Rico. 90: 99-107.
- Peña, J.E., C.M. Mannion, B.J. Ulmer, and S.E. Halbert. 2006. Jackfruit, *Artocarpus heterophyllus*, is not a host of *Diaphorina citri* (Homoptera: Psyllidae) in Florida. Florida Entomologist 89: 412-413. <http://journals.fcla.edu/flaent/article/view/75568/73226>
- Halbert, S.E. 2005 (September). Pest Alert. Citrus greening/Huanglongbing. Florida Department of Agriculture and Consumer Services, Division of Plant Industry website.  
<http://www.doacs.state.fl.us/pi/chrp/greening/citrusgreeningalert.html>
- Buss, L.J, S.E. Halbert, and S.J. Johnson. 2005. Pest Alert. *Leptoglossus zonatus* – A new leaf-footed bug in Florida (Hemiptera: Coreidae). Florida Department of Agriculture and Consumer Services, Division of Plant Industry FDACS-P-01683. 3p.  
<https://www.fdacs.gov/content/download/68507/file/Pest%20Alert%20-%20Leptoglossus%20zonatus,%20A%20New%20Leaf-footed%20Bug%20in%20Florida.pdf>
- Halbert, S.E. and J. Brambila. 2005. *Spartocera batatas* (Fabricius) (Hemiptera: Coreidae), newly established in Florida. Insecta Mundi 19:135-137.
- Halbert, S.E. and R.L. Blackman. 2005. On the status of *Prociphilus californicus* (Hemiptera: Aphididae). Pan-Pacific Entomologist 80: 1-4

- Brambila, J. and S. Halbert. 2004. First records for *Dieuches armatipes* (Heteroptera: Rhyparochromidae) in North America. Florida Entomologist 87: 593-596. <http://journals.fcla.edu/flaent/article/view/75364/73022>
- Halbert, S.E. and K. L. Manjunath. 2004. Asian citrus psyllids (Sternorrhyncha: Psyllidae) and greening disease of citrus: A literature review and assessment of risk in Florida. Florida Entomologist 87: 330-353. <http://journals.fcla.edu/flaent/article/view/75313/72971>
- Halbert, S.E., H. Genc, B. Cevik, L.G. Brown, I.M. Rosales, K.L. Manjunath, M. Pomerinke, D.A. Davison, R.F. Lee, and C. L. Niblett. Distribution and characterization of *Citrus tristeza virus* in south Florida following establishment of *Toxoptera citricida*. Plant Disease 88:935-941.
- Halbert, S.E. and C. Núñez. 2004. Distribution of the Asian citrus psyllid, *Diaphorina citri* Kuwayama (Rhynchota: Psyllidae) in the Caribbean Basin. Florida Entomologist 87: 401-402. <http://journals.fcla.edu/flaent/article/view/75325/72983>
- Halbert, S.E. 2004. The genus *Greenidea* (Rhynchota: Aphididae) in the United States. Florida Entomologist 87: 159-163. <http://journals.fcla.edu/flaent/article/view/75280/72938>
- Halbert, S.E., K.L. Hibbard, and D.J. Voegtlin. 2004. *Schizaphis minuta* (van der Goot) (Homoptera: Aphididae), new to the United States. Insecta Mundi 15: 56.
- Halbert, S.E. and J. Brambila. 2004. Dipsocoridae (Heteroptera) found for the first time in Florida. Insecta Mundi 16: 24.
- Voegtlin, D.J., S.E. Halbert, and G.-x. Qiao. 2004. A guide to separating *Aphis glycines* Matsumura and morphologically similar species that share its hosts. Annals of the Entomological Society of America 97: 227-232.
- Nuessly, G., R. Nagata, R. Beiriger, B. Scully, and S. Halbert. 2004. Aphid damaging seashore Paspalum. Florida Turf Digest 21 (1): 24.
- Halbert, S.E. and G.S. Nuessly. 2004. Species composition of Florida aphid fauna. Pages 147-150 in J.-C. Simon, C.A. Dedryver, C. Rispe, and M. Hullé, Eds., *Aphids in a new millennium. Proceedings of the VI<sup>th</sup> International Symposium on Aphids*. Versailles, INRA Editions.
- MacDonald, S.A., S.E. Halbert, S.A. Tolin, and B.A. Nault. 2003. Seasonal abundance and diversity of aphids (Homoptera: Aphididae) in a pepper production region in Jamaica. Environmental Entomology 32: 499-509.
- Halbert, S.E., D.L. Corsini, and M.A. Wiebe. 2003. *Potato virus Y* transmission efficiency for some common aphids in Idaho. American Journal of Potato Research 80:87-91.
- Halbert, S.E. and J. Brambila. 2003. Dipsocoridae (Heteroptera) found for the first time in Florida. Insecta Mundi 16:24.
- Halbert, S.E., D.J. Voegtlin, and K.L. Hibbard. 2003. *Schizaphis minuta* (van der Goot) (Homoptera: Aphididae), new to the United States. Insecta Mundi 16:56.
- Halbert, S.E., C.L. Niblett, K.L. Manjunath, R.F. Lee, and L.G. Brown. 2003. Establishment of two new vectors of citrus pathogens in Florida. Proceedings of the International Society of Citriculture 9: 1016-1017.
- Wineriter, S.A. and S.E. Halbert. 2002. *Boreioglycaspis melaleuca* (Hemiptera: Psyllidae), an introduced biocontrol agent of *Melaleuca quinquenervia* (Myrtaceae) in Florida. Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville. Entomology Circular No. 410. January/February. 4p.
- Chapin, J.W., J. S. Thomas, S.M. Gray, D.M. Smith and S.E. Halbert. 2001. Seasonal abundance of aphids (Homoptera: Aphididae) in wheat and their role as barley yellow dwarf virus vectors in the South Carolina Coastal Plain. Journal of Economic Entomology 94:410-421.

- Vandenberg, J.D., L.E. Sandvol, S.T. Jaronski, M.A. Jackson, E.J. Souza and S.E. Halbert. 2001. Efficacy of fungi for control of Russian wheat aphid (Homoptera: Aphididae) in irrigated wheat. *Southwestern Entomologist* 26:73-85.
- Halbert, S.E., R.J. Gill and J.N. Nisson. 2001. Two *Eucalyptus* psyllids new to Florida (Homoptera: Psyllidae). Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville. Entomology Circular No. 407. July/August. 2p.
- Niblett, C.L., H. Genc, B. Cevik, S. Halbert, L. Brown, G. Nolasco, B. Bonacalza, K.L. Manjunath, V.J. Bebres, H.R. Pappu, and R.F. Lee. 2000. Progress on strain differentiation of *Citrus tristeza virus* and its application to the epidemiology of citrus tristeza disease. *Virus Research* 71:97-106.
- Halbert, S.E. 2000. The coriander aphid, *Hyadaphis coriandri* (Das) (Homoptera: Aphididae). Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville. Entomology Circular No. 399. March/April. 2p.
- Halbert, S.E. and G. Remaudière. 2000. A new Oriental *Melanaphis* species recently introduced in North America (Homoptera, Aphididae). *Revue Française d'Entomologie (N.S.)* 22:109-117.
- Halbert, S.E., G. Remaudière and S.E. Webb. 2000. Newly Established and rarely collected aphids (Homoptera: Aphididae) in Florida and the Southeastern United States. *Florida Entomologist* 83:79-91. <http://journals.fcla.edu/flaent/article/view/59520/57199>
- Halbert, S.E. and D.J. Voegtlin. 2000. Aphids on Christmas trees. Florida Department of Agriculture and Consumer Services Division of Plant Industry Pest Alert. <http://doacs.state.fl.us/~pi/enpp/ento/christmas-tree-aphids.htm>
- Remaudière, G. and S.E. Halbert. 2000. *Hyadaphis coriandri* (Das), espèce hétéroecique au moyen-orient, récemment introduite sur le continent Américain (Homoptera: Aphididae). *Ann. Soc. Entomol. Fr (N.S.)* 36:157-163.
- Halbert, S.E. 1999. Book review of *Catalogue des Aphididae du Monde* by G. Remaudière and M. Remaudière. *Insecta Mundi* 13:182.
- Halbert, S., D. Corsini, L. Sandvol and P. Nolte. 1999. Epidemiology and control of aphid transmitted potato viruses. University of Idaho Extension Bulletin 809.
- Halbert, S.E. and P.M. Choate. 1998. An Asian woolly hackberry aphid, *Shivaphis celti* Das (Homoptera: Aphididae). Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville. Entomology Circular No. 392. January/February. 2p.
- Halbert, S.E. and M.B. Stoetzel. 1998. Historical overview of the Russian wheat aphid (Homoptera: Aphididae). Pages 12-30 in S. Quisenberry and F. Peairs, Eds., Response model for an introduced pest - The Russian wheat aphid (Homoptera: Aphididae). ESA Thomas Say Publications.
- Halbert, S.E., L.R. Elberson, M.-g. Feng, T.J. Poprawski, S. Wraight, J.B. Johnson and S.S. Quisenberry. 1998. Suction trap data: Implications for crop protection forecasting. Pages 412-428 in S. Quisenberry and F. Peairs, Eds., Response model for an introduced pest - The Russian wheat aphid (Homoptera: Aphididae). ESA Thomas Say Publications.
- Halbert, S.E. and J.R. Meeker. 1998. The sycamore lace bug, *Corythucha ciliata* (Say) (Homoptera: Tingidae). Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville. Entomology Circular 388. 2pp.
- Halbert, S.E. 1998. Asian woolly hackberry aphid. University of Florida Department of Entomology webpage: <http://extlab1.entnem.ufl.edu/PestAlert/awh-0828.htm>.
- Halbert, S.E., G.A. Evans and D.C. Clinton. 1998. Establishment of *Toxoptera citricida* in Florida. Pages 547-554 in J.M. Nieto Nafria and A.F.G. Dixon, Eds. Aphids in natural and managed ecosystems. Universidad de León (Spain).



- Halbert, S.E. and D.J. Voegtlin. 1998. Evidence for the North American origin of *Rhopalosiphum* and barley yellow dwarf virus. Pages 351-356 in J.M. Nieto Nafria and A.F.G. Dixon, Eds. Aphids in natural and managed ecosystems. Universidad de León (Spain).
- Knapp, J.L., S.E. Halbert, R. Lee, M. Hoy, R. Clark and M. Kesinger. 1998. The Asian citrus psyllid and citrus greening disease. Citrus Industry, October: 28-29.
- Halbert, S.E. and Choate, P.M. 1998. Asian woolly hackberry aphid. University of Florida Pest Alert. [Http://extlab1.entm.ufl.edu/PestAlert/](http://extlab1.entm.ufl.edu/PestAlert/). 18 September 1998.
- Howard, F.W., S.E. Halbert and R. Giblin-Davis. 1998. Intraspecific dueling in palm aphids, *Cerataphis brasiliensis* (Homoptera: Hormaphididae). Florida Entomologist 81:552-554.
- Marais, L., K.L. Manjunath, R. Harakava, S. Halbert, R. Lee and C.L. Niblett. 1998. Citrus greening disease: A new threat to the Florida citrus industry. Citrus & Vegetable Magazine, September: 12-13.
- Voegtlin, D.J. and S.E. Halbert. 1998. Variable morph production by some North American clones of *Rhopalosiphum padi* in response to reduced photoperiod and temperature. Pages 309-315 in J.M. Nieto Nafria and A.F.G. Dixon, Eds. Aphids in natural and managed ecosystems. Universidad de León (Spain).
- Halbert, S.E. 1997. Daylily aphid populations building again. University of Florida Pest Alert. [Http://extlab1.entm.ufl.edu/PestAlert/](http://extlab1.entm.ufl.edu/PestAlert/). 5 December 1997.
- Halbert, S.E. 1997. Asian citrus psyllid - A serious exotic pest of Florida citrus. Florida Department of Agriculture and Consumer Services, Division of Plant Industry web page: <http://gnv.ifas.ufl.edu/~entweb/DCITRI.htm>.
- Halbert, S.E. 1997. Brown citrus aphid: Current situation and prognosis. Citrus Industry, April 27.
- Halbert, S.E. 1997. Scouting for *Toxoptera citricida* in citrus. IOCV Newsletter 14:19-20.
- Fasulo, T.R. and S.E. Halbert. 1997. Aphid pests of citrus. University of Florida Cooperative Extension Service Bulletin ENY-811. 4pp.
- Stoltz, R.L., Gavlak, R.G. and Halbert, S.E. 1997. Survey of potential aphid vectors of potato (*Solanum tuberosum* L.) virus diseases in the Matanuska Valley, Alaska. Journal of Vegetable Crop Production 3:27-36.
- Stoltz, R.L., Gavlak, R.G. and Halbert, S.E. 1996. Survey of potential aphid vectors of potato (*Solanum tuberosum* L.) virus diseases in the Matanuska Valley, Alaska. Journal of Vegetable Crop Production 2:35-45.
- Fasulo, T.R. and Halbert, S.E. 1997. Aphid pests of citrus. University of Florida IFAS Cooperative Extension Service Bulletin ENY-811. 4pp.
- Souza, E., J.M. Windes, S.S. Quisenberry, D.J. Schotzko, P.F. Lamb, S. Halbert, R.S. Zemetra, and C.M. Smith. Registration of Idaho 471A and 471B wheat germplasms. Crop Science 37:1031.
- Souza, E., J.M. Windes, S.S. Quisenberry, D.J. Schotzko, P.F. Lamb, S. Halbert, R.S. Zemetra, and C.M. Smith. Registration of Idaho 472 wheat germplasm. Crop Science 37:1032.
- Halbert, S.E. 1996. *Spartocera batatas* (Fabricius) (Hemiptera: Coreidae), a new pest of sweet potatoes and several other plants. Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville. Entomology Circular No. 379. November/December. 2p.
- Halbert, S.E. and L.G. Brown. 1996. *Toxoptera citricida* (Kirkaldy), Brown citrus aphid - identification, biology and management strategies. Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville. Entomology Circular No. 374. 6p.

- Halbert, S.E., J.B. Johnson, P.L. Graves, P.M. Marsh and D. Nelson. 1996. *Aphidius uzbekistanicus* (Hymenoptera: Aphidiidae) established in Idaho. *Pan-Pacific Entomologist* 72:13-16.
- Remaudière, G. and S.E. Halbert. 1996. American species of the genus *Brachyunguis* Das (Homoptera: Aphididae), including two new species. *Proceedings of the Entomological Society of Washington* 98:249-255.
- Stoltz, R. L., R.G. Gavlak and S.E. Halbert. 1996. Aphids associated with lettuce (*Lactuca sativa* L.) in the Matanuska Valley, Alaska. *Journal of Vegetable Crop Production* 2:35-45.
- Halbert, S.E., R.L. Forster, L.E. Sandvol, S.S. Quisenberry and G.L. Hein. 1995. Fall pest problems of winter wheat: Russian wheat aphid, barley yellow dwarf, wheat streak mosaic. University of Idaho, Moscow. Extension Publication No. 780, 8p.
- Halbert, S.E. and D.J. Voegtlin. 1995. Biology and taxonomy of vectors of barley yellow dwarf viruses. pp. 217-258. *In* C.J. D=Arcy and P.A. Burnett (eds.). *Barley Yellow Dwarf: 40 Years of Progress*. APS Press, St. Paul.
- Halbert, S.E., Castle, S.J. and Mowry, T.M. 1995. Do *Myzus (Nectarosiphon)* spp. other than *M. persicae* pose a threat to the Idaho potato crop? *American Potato Journal* 72:85-97.
- Halbert, S.E., Jennings, M. Cogan, C.B. Quisenberry, S.S. and Johnson, J.B. 1995. Potential use of Suction trap collections of aphids as indicators of plant biodiversity. Pages 499-504 in R. Harrington and N. Stork, Eds., *Insects in a Changing Environment*. London: Academic Press.
- Mowry, T.M., Halbert, S.E. and Pike, K.S. 1995. Russian wheat aphid performance on perennial grasses. *Journal of Economic Entomology* 88:635-639.
- Zhang, W.-y., Zhong, T.-s., Zhang, G.-x. and Halbert, S.E. 1995. Studies on *Nevskyella Ossiannilsson* and description of a new species (Homoptera: Drepanosiphidae). *Acta Entomologica Sinica* 38:337-339.
- Halbert, S.E. and Voegtlin, D.J. 1994. Suction trap records of *Myzus lythri* (Homoptera: Aphididae) associated with purple loosestrife infestations in Idaho. *Weed Technology* 8:794-796.
- Halbert, S.E., Mink, G.I., Silbernagel, M.J. and Mowry, T.M. 1994. Transmission of bean common mosaic virus by cereal aphids (Homoptera: Aphididae) *Plant Disease* 78:983-985.
- Halbert, S.E., Sandvol, L. and Quisenberry, S.S. 1994. Results of cereal aphid and virus surveys, 1993. *The Gleaner Farm Newsletter*, April 1994, pages 2-3. University of Idaho College of Agriculture, Cooperative Extension System, Bonneville County, Roger Ashley, Ed.
- Halbert, S.E. Epidemiology of aphid transmitted potato viruses. *Aphid Alert!*, 26 August, 1994, A cooperative newsletter of the University of Minnesota Department of Entomology and the North Dakota State University Department of Plant Pathology.
- Halbert, S.E., Sandvol, L. and Quisenberry, S.S. 1994. Results of cereal aphid and virus surveys, 1993 and spring, 1994. *Idaho Grain*. Summer, 1994, pages 9-10.
- Halbert, S.E., L.E. Sandvol, G.L. Hein and S.S. Quisenberry. 1994. Detection and prevention of wheat streak mosaic virus in the fall. *Idaho Cereal School Manual*, 1994, pages 41-46.
- Nolte, P. and S. Halbert. 1994. Green peach aphids can be controlled. *Potato Grower*, November: pages 28, 30. Nolte, P. and Halbert, S.E. 1994. Green peach aphids can be controlled. *Potato Grower of Idaho*, November 1994, pages 28-29.
- Zhang, W.-y., Zhang, G.-x., Zhong, T.-s. and Halbert, S.E. 1994. Studies on Chinese *Shivaphis* Das with description of a new species (Homoptera: Drepanosiphidae). *Acta Zoologica Sinica* 40:19-23.
- Loxdale, H.D., Hardie, J., Halbert, S., Footitt, R., Kidd, N.A.C. and Carter, C.I. 1993. The relative importance of short- and long-range movement of flying aphids. *Biological Reviews* 68:291-311.

- Halbert, S. E. and T. M. Mowry. 1992. Survey of green peach aphid infestations on bedding plants for sale in Eastern Idaho. *Pan Pacific Entomologist* 68:8-11.
- Halbert, S. E. and D. J. Voegtlin. 1992. Morphological differentiation of *Aphis spiraecola* Patch and *Aphis pomi* de Geer (Homoptera: Aphididae). *Great Lakes Entomologist* 25:1-8.
- Feng, M.-g., J. B. Johnson and S. E. Halbert. 1992. Natural control of cereal aphids by entomopathogenic fungi and parasitoids on irrigated spring wheat in southwestern Idaho. *Environmental Entomology* 20:1699-1710.
- Feng, M.-g., J.B. Johnson and S.E. Halbert. 1992. Parasitoids (Hymenoptera: Aphidiidae and Aphelinidae) and their impact on the populations of cereal aphids (Homoptera: Aphididae) in grain crops grown under irrigation in southwestern Idaho. *Environmental Entomology* 21:1433-1440.
- Feng, M.-g., J.B. Johnson, R.M. Nowierski and S.E. Halbert. 1992. Population trends and biological aspects of cereal aphids (Homoptera: Aphididae) and their natural mortality factors on winter wheat in southwestern Idaho. *Pan-Pacific Entomologist* 68:248-260.
- Halbert, S. E., B. J. Connelly, R. M. Lister, R. E. Klein, and G. W. Bishop. 1992. Vector specificity of barley yellow dwarf virus serotypes and variants in southwestern Idaho. *Annals of Applied Biology* 121:123-132.
- Halbert, S. E., B. J. Connelly, G. W. Bishop, and J. Blackmer. 1992. Barley yellow dwarf infectivity of aphids (Homoptera: Aphididae) in southwestern Idaho. *Annals of Applied Biology* 121:105-122.
- Halbert, S.E., D.J. Voegtlin and L.E. Sandvol. 1992. Honeysuckle witches' broom aphid. Idaho Current Information Series 956, 2pp.
- Halbert, S. W., B. J. Connelly and M.-g. Feng. 1992. *Diuraphis (Holcaphis) frequens* (Walker), on wheat, new to Idaho, and a key to North American *Diuraphis*. *Pan Pacific Entomologist* 68:52-61.
- Halbert, S. E., L. E. Sandvol, R. L. Stoltz and H. W. Homan. 1992. The Russian Wheat Aphid. Idaho Current Information Series Bulletin #817, 2pp.
- Al-Raeesi, A.A., S.E. Halbert and J.B. Johnson. 1992. *Rhopalosiphum rufiabdominalis* (Sasaki) and *Aphis armoraciae* Cowen (Homoptera: Aphididae) confirmed on wheat in Idaho. *Pan Pacific Entomologist* 68:70-71.
- Quinn, M. A., S. E. Halbert and L. Williams. 1992. Spatial and temporal changes in aphid complexes collected with suction traps in Idaho. *Journal of Economic Entomology* 84:1710-1716.
- Halbert, S. E. 1991. A new species of *Anoecia* (Homoptera: Aphididae) on rhizomes of *Equisetum laevigatum*. *Proceedings of the Entomological Society of Washington* 93:760-766.
- Halbert, S. E., B. J. Connelly, R. M. Lister and R. E. Klein. 1991. Vectors and reservoirs of barley yellow dwarf virus in southwestern Idaho. *Proceedings of the International Symposium Aphid-Plant Interactions, populations to molecules*, p. 325.
- Halbert, S.E. 1991. Insects on *Hypericum* spp. in Idaho. *Sagenotes* 14(5):8.
- Halbert, S.E., R. Old and K.S. Pike. 1991. Suction trapping records of *Myzus lythri*, an aphid infesting purple loosestrife. *Sagenotes* 14(6):6-7.
- Pike, K. S., Allison, D., L. K. Tanigoshi, R. F. Harwood, S. L. Clement, S. E. Halbert, C. M. Smith, J. B. Johnson, G. L. Reed and P. K. Zwer. 1991. Russian wheat aphid: Identification, distribution, biology, flight, natural enemies, host plants, and damage. *Pacific Northwest Research Bulletin* No. 371. 23pp.
- Halbert, S. E., B. J. Connelly, L. Sandvol. 1990. Suction trapping of aphids in western North America (Emphasis on Idaho). *Acta Phytopathologica Hungarica* 25:411-422.

- Blackman, R. L., S. E. Halbert and T. W. Carroll. 1990. Association between karyotype and host plant in corn leaf aphid, *Rhopalosiphum maidis* (Fitch) Homoptera: Aphididae) in the northwestern United States. *Environmental Entomology* 19:609-611.
- Voegtlin, D. J. and S. E. Halbert. 1990. Life cycle and hosts of *Rhopalosiphum cerasifoliae* (Fitch), (Homoptera: Aphididae). *Annals of the Entomological Society of America* 83:43-45.
- Halbert, S. E. and K. S. Pike. 1990. An Asian elm aphid (Homoptera:Aphididae) new to North America found in suction trap samples. *Proceedings of the Entomology Society of Washington* 92:672-674.
- Kiriak, I., F. Gruber, T. Poprawski, S. Halbert and L. Elberson. 1990. Occurrence of sexual morphs of Russian wheat aphid, *Diuraphis noxia* (Homoptera:Aphididae), in several locations in the Soviet Union and the northwestern United States. *Proceedings of the Entomological Society of Washington* 92:544-547.
- Halbert, S. E., L. Sandvol and G. W. Bishop. 1990. Aphids infesting Idaho grain and corn. *Idaho Current Information Series Bulletin #816*.
- Halbert, S. E. and T. M. Mowry. 1990. The Idaho aphid suction trap survey system. *Idaho Grain*. Mar/Apr. p. 10.
- Halbert, S. E. and T. M. Mowry. 1990. Corn leaf aphid. *Idaho Barley Pest*. *Idaho Grain*. Mar/Apr. p. 11.
- Pike, K. S., D. W. Allison, G. Low, G. W. Bishop, S. Halbert and R. Johnston. 1990. Cereal aphid vectors: A western regional (USA) monitoring system. pp. 282-5 in P. A. Burnett, ed. *World Perspectives on Barley Yellow Dwarf*. CIMMYT, Mexico, D. F., Mexico.
- Halbert, S. E., G. W. Bishop, J. Blackmer, J. Connelly, R. Johnston, L. Sandvol and K. S. Pike. 1990. Barley yellow dwarf infectivity of *Rhopalosiphum padi* in maize as an estimate of primary inoculum pressure in irrigated winter wheat. pp. 273-4 in P. A. Burnett, Ed. *World Perspectives on Barley Yellow Dwarf*. CIMMYT, Mexico, D. F., Mexico.
- Halbert, S. E. 1989. Key to alate aphids collected in traps in soybean fields in Nanjing, China. [In Chinese]. *Observation and Forecasting for Plant Disease and Insect Pests* 23(2):40-58.
- Robinson, A. G. and S. E. Halbert. 1989. A review of *Obtusicauda* (Homoptera: Aphididae) of America north of Mexico, with a key to species. *Canadian Entomologist* 121:525-531.
- Halbert, S. E. and R. L. Johnston. 1988. The Russians are here. *Idaho Farmer Stockman*. April, pp. 28-9.
- Halbert, S. E. 1987. Russian wheat aphid in Idaho. *Idaho Grain*. August/September, pp. 8-9.
- Halbert, S. E., Zhang Guang-xue and Pu Zu-qin. 1986. Comparison of sampling methods for alate aphids and observations on epidemiology of soybean mosaic virus in Nanjing, China. *Annals of Applied Biology* 109:473-483.
- Halbert, S. E. and K. S. Pike. 1985. First report of an RMV type of barley yellow dwarf virus in Eastern Washington. *Plant Disease* 70:475.
- Halbert, S. E. and K. S. Pike. 1985. Spread of barley yellow dwarf virus and relative importance of local aphid vectors in central Washington. *Annals of Applied Biology* 107:387-395.
- Halbert, S. E. and M. E. Irwin. 1981. Effect of soybean canopy closure on landing rates of aphids with implications for restricting spread of soybean mosaic virus. *Annals of Applied Biology* 98:15-19.
- Halbert, S. E., M. E. Irwin, and R. M. Goodman. 1981. Alate aphid (Homoptera: Aphididae) species and their relative importance as field vectors of soybean mosaic virus. *Annals of Applied Biology* 97:1-9