

DAVID J. SCHUSTER
PROFESSOR OF ENTOMOLOGY

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EDUCATION

B.S., 1970, Entomology, Kansas State University
M.S., 1970, Entomology, Kansas State University
Ph.D., 1973, Entomology, Oklahoma State University

EMPLOYMENT EXPERIENCE

1985-Present: Professor of Entomology, University of Florida, Gulf Coast Research & Education Center, Bradenton.
1980-85: Associate Professor of Entomology, University of Florida, Gulf Coast Research & Education Center, Bradenton.
1975-80: Assistant Professor of Entomology, University of Florida, Gulf Coast Research & Education Center, Bradenton.
1973-75: Postdoctoral Research Associate, Oklahoma State University, Stillwater.

HONORS AND AWARDS

Council Memorial Tomato Research Award presented by the Florida State Horticultural Society - 1981, 1984, 1991, 2003
Annual Research Award presented by the Florida Fruit and Vegetable Association - 1985
Achievement Award for Research presented by the Florida Entomological Society - 1989
Entomologist of the Year Award presented by the Florida Entomological Society - 1993
Professorial Excellence Program Award, University of Florida - 1996
Entomology Foundation Award for Excellence in Integrated Pest Management (National Award) - 2002

PUBLICATIONS

Refereed Journal Articles and Book Chapters - 125
Other Publications - 350

REFEREED PUBLICATIONS AND BOOK CHAPTERS OF LAST FOUR YEARS

- Hoelmer, K. A., D. J. Schuster and M. A. Ciomperlik. 2008. Indigenous parasitoids of *Bemisia* in the USA and potential for non-target impacts of exotic parasitoid introductions. Pp. 307-324. In J. R. Gould, K. A. Hoelmer and J. A. Goolsby [eds.], Classical biological control of *Bemisia* in the United States: a review of interagency research and implementation. Series: Progress in Biological Control, Vol. 4..
- Seal, D. R., D. J. Schuster and W. Klassen. 2007. Comparative effectiveness of new insecticides in controlling armyworms (Lepidoptera: Noctuidae) and leafminers (Diptera: Agromyzidae) on tomato. Proc. Fla. State Hort. Soc. 120:170-177.
- Rodriguez-Leyva, E., P. A. Stansly, D. J. Schuster and E. Bravo-Mosqueda. 2007. Diversity and distribution of parasitoids of *Anthonomus eugenii* (Coleoptera: Curculionidae) from Mexico and prospects for biological control. Fla. Entomol. 90:693-702.
- Momotaz, A., J. W. Scott and D. J. Schuster. 2007. *Solanum habrochaites* accession LA1777 recombinant inbred lines are not resistant to *Tomato yellow leaf curl virus* or *Tomato mottle virus*. HortScience 42:1149-1152.
- Ji, Yuanfu, D. J. Schuster and J. W. Scott. 2007. Ty-3, a begomovirus locus near the *Tomato yellow leaf curl virus* resistance locus Ty-1 on chromosome 6 of tomato. Mol. Breeding 20:271-284.
- Addesso, K. M., H. J. McAuslane, P. A. Stansly and D. J. Schuster. 2007. Host-marking be female pepper weevils, *Anthonomus eugenii*. Entomol. Exptl. Appl. 125:269-276.
- Schuster, D. J. 2007. Suppression of *Anthonomus eugenii* (Coleoptera: Curculionidae) pepper fruit infestation with releases of *Catolaccus hunteri* (Hymenoptera: Pteromalidae). Biocontrol Sci. Technol. 17:345-351.
- Vasquez, E., D. Dean, D. Schuster, and P. van Etten. 2005. A laboratory method for rearing *Catolaccus hunteri* (Hymenoptera: Pteromalidae), a parasitoid of the pepper weevil (Coleoptera: Curculionidae). Fla. Entomol. 88:191-194.
- Toapanta, M. A., D. J. Schuster, and P. A. Stansly. 2005. Development and life history of *Anthonomus eugenii* (Coleoptera: Curculionidae) at constant temperatures. Environ. Entomol. 34:999-1008.
- Csizinszky, A. A., D. J. Schuster, J. B. Jones and J. C. van Lenteren. 2005. Crop protection, pp. 199-235. In E. Heuvelink [ed.], Tomatoes. Crop Production Science in Horticulture 13, CABI Publishing, Wallingford, Oxon, UK.
- Schuster, D. J. 2004. Squash as a trap crop to protect tomato from whitefly-vectored tomato yellow lead curl. Intl. J. Pest Management 50:281-284.

Zhang, W., H. J. McAuslane, and D. J. Schuster. 2004. Repellency of ginger oil to *Bemisia argentifolii* (Homoptera: Aleyrodidae) on tomato. *J. Econ. Entomol.* 97: 1310-1318.

Scheirs, J., T. G. Zoebisch, D. J. Schuster, and L. de Bruyn. 2004. Optimal foraging shapes host preference of a polyphagous leafminer. *Ecol. Entomol.* 29:375-379.

Muigai, S. G., M. J. Bassett, D. J. Schuster, and J. W. Scott. 2003. Greenhouse and field screening of wild *Lycopersicon* germplasm for resistance to the whitefly, *Bemisia argentifolii*. *Phytoparasitica* 31:27-38.

Patel, K. J., D. J. Schuster, and G. H. Smerage. 2003. Density dependent parasitism and hostkilling of *Liriomyza trifolii* (Diptera: Agromyzidae) by *Diglyphus intermedius* (Hymenoptera: Eulophidae). *Fla. Entomol.* 86:8-14.

Schuster, D. J. 2003. Preference of *Bemisia argentifolii* (Homoptera: Aleyrodidae) for selected vegetable hosts relative to tomato. *J. Agric. Entomol.* 20:59-67.

Other Relevant Publications:

Schuster, D. J., J. E. Polston and J. F. Price. 1992. Reservoirs of the sweetpotato whitefly for tomatoes in west-central Florida. *Proc. Fla. State Hort. Soc.* 105:311-314.

Polston, J. E., D. O. Chellemi, D. J. Schuster, R. J. McGovern and P. A. Stansly. 1996. Spatial and temporal dynamics of tomato mottle geminivirus and *Bemisia tabaci* (Genn.) in Florida tomato fields. *Plant. Dis.* 80:1022-1028.

Brewster, C. C., J. C. Allen, D. J. Schuster and P. A. Stansly. 1997. Simulating the dynamics of *Bemisia argentifolii* (Homoptera: Aleyrodidae) in an organic cropping system with a spatiotemporal model. *Environ. Entomol.* 26:603-616.

Schuster, D. J. 1998. Intraplant distribution of immature lifestages of *Bemisia argentifolii* (Homoptera: Aleyrodidae) on tomato. *Environ. Entomol.* 27:1-9.