



**Robert N. Wiedenmann**

Professor and Department Head  
University of Arkansas, Fayetteville

**Current Appointment: 100% Administrative**

**Education**

B.S. 1985. Purdue University, West Lafayette, Indiana. Ecology  
Ph.D. 1990. Purdue University, West Lafayette, Indiana. Entomology

**Professional Experience**

University of Arkansas, Fayetteville, Department of Entomology  
Professor and Department Head 2005-present  
Center for Ecological Entomology, Illinois Natural History Survey, Champaign, Illinois  
Center Director 2000-2005  
Professional Scientist 2003-2005  
Associate Professional Scientist 1997-2003  
Assistant Professional Scientist 1994-1997

**Awards and Honors**

Celebration of Excellence Award (M. Jeffords, co-awardee), University Continuing Education Association, 2002 for the on-line course, "Biodiversity, wetlands and biological control – purple loosestrife: a case study"  
Service Recognition Award, Univ. of Illinois College of Agricultural, Consumer and Environmental Sciences, 2002  
Teachers Ranked Excellent by their Students, University of Illinois, Fall 1994

**Areas of Research Specialization**

Although my current position is 100% administrative, my background includes: management of exotic and invasive species; biological control of insects and weeds; non-target effects of transgenic crops; integrated pest management; insect population, behavioral and physiological ecology

**Publications (Since 2006):**

- Trout, R. T., C. R. Minter, G. R. Pallipparambil, R. Magnus and R. N. Wiedenmann. 2010. A Perspective on Education in Research Ethics for Entomology Graduate Students. *American Entomologist* 56: 204-211.
- Raghu, S., J. L. Spencer, A. S. Davis and R. N. Wiedenmann. 2010. Ecological considerations in the sustainable development of terrestrial biofuel crops. *Current Opinion in Environmental Sustainability* 3: 1-9.
- Wood, T. N., M. Richardson, D. A. Potter, D. T. Johnson, R. N. Wiedenmann and D. C. Steinkraus. 2009. Ovipositional preferences of the Japanese beetle (Coleoptera: Scarabaeidae) among warm- and cool-season turfgrass species. *Journal Economic Entomology* 102:2192-2197.
- Duguma, D. D., T. J. Kring and R. N. Wiedenmann. 2009. Seasonal dynamics of *Urophora quadrifasciata* on spotted knapweed in the Arkansas Ozarks. *Canadian Entomologist* 141:70-79.
- Dudley, M. P., J.A.D. Parrish, S. L. Post, C. G. Helm and R. N. Wiedenmann. 2009. The effects of fertilization and time of cutting on regeneration and seed production of *Dipsacus laciniatus* (Dipsacaceae). *Natural Areas Journal* 29:140-145.
- Bartelt, R. J., A. A. Cosse, B. W. Zilkowski, R. N. Wiedenmann and S. Raghu. 2008. Early-summer pheromone biology of *Galerucella californiensis* and relationship to dispersal and colonization. *Biol. Contr.* 46: 409-416.
- Moser, S. E., M. Alleyne, R. N. Wiedenmann and L. M. Hanks. 2008. Influence of experience on multiparasitism and oviposition behavior in two potential parasitoid competitors. *Environmental Entomology*, *in press*.
- O'Neil, R. J., and R. N. Wiedenmann. 2008. The Midwest Institute of Biological Control: 17 years of a different kind of distance education. *American Entomologist* 54: 6-9.

- Wiedenmann, R.N., S.L. Post, M.R. Jeffords and D.J. Voegtlin. 2007. Biocontrol for everyman: public participation in a weed project, pp. 92-104. In Vincent, C., M.S. Goettel, and G. Lazarovits (eds.) *Biological Control; A Global Perspective*, CABI, Oxfordshire, UK.
- Lundgren, J. G. and R. N. Wiedenmann. 2007. Leafminers, pp. 79-81. In: Lamp, W. O., R. C. Berberet, L. G. Higley and C. R. Baird (Eds). *Handbook of forage and rangeland insects*. Entomological Society of America, Lanham, Maryland.
- Raghu, S., R. C. Anderson, C. Daehler, A. S. Davis, R.N. Wiedenmann, D. Simberloff and R. N. Mack. 2006. Adding biofuels to the invasive species fire? *Science* 313: 1742.
- Wiedenmann, R. N. 2006. Non-target feeding by *Galerucella californiensis* on sandbar willow (*Salix interior*) in Illinois. *Great Lakes Entomologist* 38: 100-103.
- Kuhlmann, U., P. G. Mason, H. L. Hinz, B. Blossey, R. A. De Clerck-Floate, L. M. Dossall, J. P. McCaffrey, M. Schwarzlaender, O. Olfert, J. Brodeur, A. Gassmann, A. S. McClay and R. N. Wiedenmann. 2006. Avoiding conflicts between insect and weed biological control: selection of non-target species to assess host specificity of cabbage seedpod weevil parasitoids. *Journal of Applied Entomology* 130: 129-141.
- Bartelt, R. J., A. A. Cossé, B. W. Zilkowski, D. Weisleder, S. H. Grode, R. N. Wiedenmann, and S. L. Post. 2006. Dimethylfuran-lactone pheromone from males of *Galerucella californiensis* and *Galerucella pusilla*. *Journal of Chemical Ecology* 32: 693-712.
- Wiedenmann, R. N. and J. W. Smith, Jr. 2006. Use of ablated stalks to assess field rates of parasitism of *Diatraea saccharalis* (Lepidoptera: Crambidae) by *Cotesia flavipes* (Hymenoptera: Braconidae). *Biocontrol Science and Technology* 16: 37-48.
- Duan, J. J., M. S. Paradise, J. G. Lundgren, J. Bookout, C. Jiang, and R. N. Wiedenmann. 2006. Assessing non-target impacts of Bt corn resistant to corn rootworms: tier-1 testing with larvae of *Poecilus chalcites* (Coleoptera: Carabidae). *Environmental Entomology* 35: 135-142.
- Duan, J. J., M. S. Paradise, J. G. Lundgren and R. N. Wiedenmann. 2006. Transgenic crops and ground beetles as non-target organisms: developing dietary toxicity assays for larvae of *Poecilus chalcites* (Coleoptera: Carabidae). *American Entomologist* 51: 227-230.
- Rector, B. G., V. Harizanova, R. Sforza, T. Widmer and R. N. Wiedenmann. 2006. Prospects for successful biological control of teasels, *Dipsacus spp.*, a new target in the United States. *Biological Control* 36: 1-14.

### Professional Service

- Vice-President-Elect, Entomological Society of America (2010-2011)
- President, Plant-Insect Ecosystems Section, Entomological Society of America (2007-2008)
- President, Nearctic Regional Section, International Organization for Biological Control (2004-2006)
- President, North Central Branch, Entomological Society of America (2003-2004)
- Chair, Council of Entomology Department Administrators (2006-2007)
- Co-Chair, Review of USDA-ARS National Program 304 - Crop Protection (2007-2008)
- Chair, Review of USDA-ARS Northern Plains Agricultural Research Laboratory (2007)
- Chair, AC-12 Southern Regional Committee of Entomology Administrators (2007-2008)
- Chair, S-1034 Southern Regional Committee on Biological Control (2007-2008)
- Chair, Review Panel on Invasive Species Report, American Institute for Biological Sciences, 2006
- Panel Manager, USDA-CSREES Invasive Species Program, 2000
- USDA-CSREES Grant Panel Member, 2004 (two panels)
- USDA-CSRS Regional IPM Grant Panel Member, 1995, 1996, 2005
- Review team member, USDA-ARS European Biological Control Laboratory, Montpellier, France, 1998
- Invited representative, USDA Invasive Species Compendium Workshop, Washington, DC, 2002
- Member, Customer Advisory Group, USDA National Biological Control Institute 1997-2000

**Teaching Experience**

I taught Biological Control every other year at Illinois from 1996-2004 (twice via distance technology, in collaboration with Purdue University, and I was a co-instructor for a distance education course on Invasive Species (University of Illinois) in summer 2008. At Arkansas, I taught Graduate Seminars on Invasive Species (2005) and Ethics in Research (2009), and a Special Problem on Grant Writing (2011). I was also a co-organizer or instructor of seven short courses for the Midwest Institute for Biological Control.