

JOSEPH KOVACH



Professional Preparation

Miami University	Zoology	B.A. 1977
Clemson University	Entomology	M.S. 1982
Clemson University	Entomology	Ph.D. 1986

Appointments

1999-present: Associate Professor and Integrated Pest Management Coordinator, Dept. of Entomology, OSU, Wooster, OH.

1993-1999: Senior Extension Associate, Fruit IPM Coordinator, Cornell University, Geneva, NY

1986 –1993: Extension Associate, Fruit IPM Coordinator, Cornell University, Geneva, NY. Joint appoint with Dept. of Entomology in 1989.

1980-1986: Graduate Research Assistant, Clemson University, Clemson, SC

Top Honors and Awards

Ohio Citizen Action Blue Ribbon Award, 2002

USDA International Honor Award, 1996

Program capsules

Research: Develop sustainable pest management methods for fruit crops, understand the biology of *Harmonia axyridis* in agricultural and urban environments, and conduct IPM assessments.

Teaching: Overview course on pesticides, the environment and society. Guest lectures on IPM, GMO's organic agriculture, in plant protection department courses.

Extension/Outreach: IPM coordinator responsibilities for state allocated federally appropriated extension IPM funds. Attend meetings and make presentations for small and tree fruit growers, master gardeners, and urban clientele.

Three Most Important Scholarly Accomplishments, Last Five Years

- Conducted organic strawberry evaluations related to economics, horticultural practices, and pest management.
- Developed a research and extension outreach information for *H. axyridis* in urban environments.
- Developed a block grant funding structure for IPM extension funds

Five Selected Publications (48 total)

Kovach, J., C. Petzoldt, J. Degni and J. Tette. 1992. A method to measure the environmental impact of pesticides. New York's Food and Life Sciences Bulletin. NYS Agricul. Exp. Sta. Cornell University, Geneva, NY, 139. 8 pp.

Levitan, L., I. Merwin, and J. Kovach. 1995. Assessing the relative environmental impacts of agricultural pesticides: The quest for a holistic method. Agric. Ecosys. Environ. 55: 153-168.

Kovach, J., R. Petzoldt, G. E. Harman. 2000. Use of Honey Bees and Bumble Bees to Disseminate *Trichoderma harzianum* 1295-22 to Strawberries for *Botrytis* Control. Biol. Control 18:235-242.

Jasinski, J., J. B. Easley, C. E. Young, J. Kovach, H. Willson. 2003. Select nontarget arthropod abundance in transgenic and non-transgenic field crops in Ohio. J. Environ. Entomol. 32:407-413.

Kovach, J. 2004. Impact of the multicolored Asian lady beetle as a pest of fruit and people. American Entomologist 50:165-167.

Five Selected Grants (\$2,570,244 total; \$216,304 as 1st PI)

USDA-CSRS NE SARE A Strawberry System Comparison Demonstration. J. Kovach. \$116,586; 1995-1998.

OSU-OARDC Using Bees to Deliver Biological Controls to Apples for the Management of Mites and Fire Blight. J. Kovach, J. Tew, M. Ellis \$99,718. 2001-2003.

USDA-CSREES NEIPM USDA NE IPM - Improving the Environmental Impact Quotient: Evaluating Pesticides for Their Impact on Beneficial Organisms. C. Petzoldt, J. Kovach. \$35,607; 2001-2003

USDA, CSREES IFAFS Revitalizing Small and Mid-sized Farms: Organic Research, Education and Extension. B. R. Stinner, S. A. Miller, D. Stinner, R. Moore, J. Cardina, C. Hoy, P. Grewal, M. Kleinhenz, D. Doohan, F. Michel, J. Kovach. \$1,800,000; 2000-2004

USDA, CSREES RAMP - Demonstration & Evaluation of Cucurbit Pest & Crop Management Systems. C. Petzoldt, R. Hazzard, J. Kovach \$518,333 2002-2005

Professional Service Highlights, Last 5 Years

- USDA-CSREES Regional Southern IPM Grant Panel Member 2002.
- USDA-NC IPM Center Steering Committee Member 1999-2002
- USDA-NCR SARE Administrative Council Member 2003-present
- Co-organizer, Section E Program Symposium, Entomological Society of America, 2003

Key Collaborations

Interact with OSU pest management faculty in entomology, plant pathology, and horticulture and crop science.

Work with OSU Agroecosystems Management Program and Organic Food and Farming Education Program

NCR-201 Committee member on regional IPM issues

Additional Synergistic Activities

High School student outreach through the Electronic Expert Program of the Center of Science and Industry (COSI), Columbus and A Bug's World participant for local elementary students.