

**Paul McLeod**

Professor, University of Arkansas, Fayetteville



**Current Appointment: 65% Research; 15% Teaching; 20% Service.**

**Education**

B.S.	1973.	Univ. of Arkansas, Fayetteville, Arkansas.
M.S.	1976.	Univ. of Arkansas, Fayetteville, Arkansas.
Ph.D.	1984.	Univ. of Arkansas, Fayetteville, Arkansas.

Zoology  
Entomology  
Entomology

**Professional Experience**

University of Arkansas, Fayetteville, Department of Entomology	
Professor of Entomology	1993-date
Associate Professor, Entomology	1988-1993
Assistant Professor, Entomology	1984-1988

**Awards and Honors**

President’s Volunteer Service Award - 21 April 2005.  
John W. White Outstanding Team Award - 2005.

**Areas of Research/Extension Specialization**

Development and implementation of IPM programs for insect pests of commercial vegetables, field corn, and grain sorghum. Current efforts are directed at refining the IPM program for managing *Helicoverpa zea* in snap bean to include strategies for European corn borer; Implementation of an IPM program for aphids and grasshoppers on spinach and greens; Biology and management of thrips on cowpea; Determination of the temporal and spatial distribution of corn borers in Arkansas; Monitoring the level of corn borer resistance to Bt in transgenic field corn; Development of IPM programs for insects of field corn and grain sorghum; Development of IPM programs for insects of vegetables in Bolivia.

**Publications**

Authored or coauthored more than 160 publications.

**Selected Publications:**

Diaz, F. J. and Paul McLeod. 2005. Movement, toxicity and persistence of imidacloprid in seedling Tabasco pepper infested with *Myzus persicae* (Hemiptera: Aphididae). *J. of Econ. Entomol.* 98: 2095-99.

Diaz, F.J., P.J. McLeod, and D.T. Johnson. 2004. Seasonal occurrence and distribution of eggplant flea beetle on eggplant in Arkansas. *J. Kansas Entomol. Soc.* 77: 80-88.

Correll, J. C., M. I. Villarroel, P. J. McLeod, M. I. Cazon and C. Rivadeneria. 2005. First report of powdery mildew caused by *Leveillula taurica* on tomato and pepper in Bolivia. *Plant Disease* 89: 776.

McLeod, P. J., J. Diaz, L. Vasquez, and D. T. Johnson. 2002. Within-plant distribution and sampling of mealybugs in plantain var. FHIA 21. *Tropical Agriculture.* 79:150-153.

Johnson, D. T., P. G. Mulder, Jr., B. D. McCraw, B. A. Lewis, B. Jervis, B. Carroll, and P. J. McLeod. 2002. Trapping plum curculio, *Conotrachelus nenuphar* (Herbst) (Coleoptera: Curculionidae), in the Southern USA. *Environ. Entomol.* 31(6): 1259-1267.

Rafie, A., J. Diaz and P.J. McLeod. 2000. Effects of forage groundnut, *Arachis pintoi*, used as a ground cover in reducing the sweetpotato whitefly, *Bemisia tabaci*, and associated gemini virus disease in bell pepper in Honduras. *Tropical Agri.* 76: 208-211.

McLeod, P. J. 2000. Comparison of insect sampling techniques in snap bean. *J. of Vegetable Crop Production* 6: 37-43.

McLeod, P., F. J. Diaz and D.T. Johnson. 2002. Toxicity, persistence, and efficacy of spinosad, chlorfenapyr, and thiamethoxam on eggplant when applied against the eggplant flea beetle. *J. Econ. Entomol.* 95: 331-335.

#### ***Contracts and Grants***

During the period 2000-2005, principal or co-investigator on grants totaling \$502,844. Funding agencies include: Allen Canning Co., Arkansas Corn and Grain Sorghum Board, Monsanto, Syngenta, various chemical cos., and the IR-4 Program (EPA).

#### ***Professional Service***

Entomological Society of America  
Georgia Entomological Society  
South Carolina Entomological Society  
Kansas Entomological Society  
Southwestern Entomological Society

#### ***Teaching Experience***

I have developed and taught ENTO 6213-Insect Toxicology; ENTO 4124-Insect IPM (team member); ENTO 3231-Arthropod Pests of Fruits and Vegetables; ENTO 4043-Pesticides Ecology; and ENTO 4043-Environmental Fate and Impact of Pesticides. I have served as major advisor to 9 M.S. and Ph.D. students but currently do not serve as a major advisor.

*January 24, 2006*