

## University IPM Grant 2006

**Project Title:** Children's Environmental Health Program

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### **Critical Issue Addressed:**

Salary funding was obtained for support staff needed to maintain and expand the IPM in Schools program and IPM research.

**Salary support for UA staff Jennifer L. Snyder, Research Specialist and State IPM Coordinator.** The reduction of hard money for technical lines has resulted in the need to raise twenty percent of technical position salaries for the 2006-2007 year.

### **What were your activities?**

- 1) Restructuring of Urban IPM Web-site, refocusing content on IPM in Schools and child care centers. Alterations and additional content (Tool Box Tools) will be uploaded before the end of the year, by Kelly Block. <http://ag.arizona.edu/urbanipm/>
- 2) Monthly pest up-dates sent to Children's Environmental Health Coalition
- 3) Pest Press issues produced:
  - January - Kick off 2006 with an IPM Policy!
  - February - "My Side of the Story"
  - April - Got Birds?
  - June - *Almost summer break! Time to batten down the hatches...*
  - August - West Nile Virus
  - September - Diatomaceous Earth
  - November - Recluse Spiders
- 4) Jennifer attended the eXtension Initiative training in Kentucky
- 5) Jennifer chaired the IPM Symposium awards committee
- 8) Further development of EPA IPM in Schools Tool Box
- 9) Hopi IPM Workshop January 25-26.
- 9) Participation in APMC Summit June 6<sup>th</sup>, 2006.
- 10) Annual Coalition Workshop is scheduled for December 7<sup>th</sup>.

### **Who participated? (Stakeholder input?)**

We have an established Coalition of stakeholders which include: School District Officials, Arizona Department of Environmental Quality, the Arizona Department of Health Services, Arizona/Sonora Commission, Arizona Asthma Coalition, EPA Region 9, National IPM Institute, International Urban IPM Association, Environmental Strategic Alliance entities, ASU, the Navajo Housing Authority, and Phoenix Children's Hospital, and many more groups.

**What were the short term, medium term and long term (if applicable) outcomes?**

Mesa Public School District, the 6<sup>th</sup> largest in the Nation was awarded the IPM Star Award by the IPM Institute of North America.

Utah is forming a State Coalition group under our guidance.

**Leveraged Funds**

Jennifer secured a Western IPM Working Group Grant, our first Web Breeze Conference is scheduled for November 29<sup>th</sup>, 2006. \$10,000

Jennifer contributed to the successful submission of a Western Regional IPM Grant to support PMSP workshop activities (October 22-25, 2006). \$10,000

**Journal Publications:**

Gouge, D. H., and J. L. Snyder. 2006. Temporal association of entomopathogenic nematodes (Rhabditida: Steinernematidae and Heterorhabditidae) and bacteria. *Journal of Invertebrate Pathology*. 91: 147-157.

D. H. Gouge, M. L. Lame, and J. L. Snyder. 2006. Use of an Implementation Model and Diffusion Process for Establishing Integrated Pest Management in Arizona Schools. *American Entomologist*. 52: 190-196.

Shapiro-Ilan, D. I., D. H. Gouge, S. J. Piggott, and J. Patterson Fife. 2006. Application Technology. *Biological Control*. 38:124-133.

Yu, H., D. H. Gouge, and P. Baker. 2006. Parasitism of subterranean termites (Isoptera: Rhinotermitidae; Termitidae) by entomopathogenic nematodes (Rhabditida: Steinernematidae; Heterorhabditidae). *Journal of Economic Entomology*. 99: 1112-1119.

Green, T. A., D. H. Gouge, L. A. Braband, C. R. Foss, L. Garling, L. C. Graham, P. A. Kandziora, K. Murray, J. Nogaki, and M. H. Shour. 2006. IPM STAR certification for school systems: rewarding pest management excellence in schools and child care facilities. *American Entomologist*. In Press.