



WELCOME!



**5th National
IPM Symposium**
Delivering on a Promise
April 4-6, 2006, St. Louis

Logistics



- Your index cards!
 - In your packet for your input:
 - Theme for Symposium VI?
 - What did like best about IPM V?
 - What would you like done differently for VI?
 - How would you like to help?
- Please deposit by 7 PM Wednesday
 - For Frank Zalom's closing on Thursday
 - Drop box at registration desk



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Sherry Glick
Paul Nester
Jennifer Snyder
Jennifer Vollmer
Elaine Wolff

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Susan Ratcliffe
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Frank Zalom

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Elaine Wolff

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Michelle Niedermeier
Paul Nester
Michelle Roberts
Julie Wagner

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Rick Melnick
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USDA Cooperative State Research, Education, and Extension Service
USDA Cooperative State Research, Education, and Extension Service Regional IPM Centers
USDA Cooperative State Research, Education, and Extension Service Regional Plant Diagnostic Network
USDA Forest Service
USDA National Agricultural Statistics Service
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What are we delivering?



Our Legacy

Malaria
Hanta Virus
Emerald Ash Borer
Sudden Oak Death
Resistance
Bed Bugs
Lyme Disease

- **96% of all fish, 100% of all surface water samples and 33% of major aquifers contain one or more pesticides at detectable levels**
 - *US Geological Survey 2006, compiled 1992-2001 studies*
- **91 chemicals in the average human body**
 - **17 are pesticide breakdown products**
 - **Includes carcinogens; neuro, reproductive and developmental toxins**
 - *Environmental Working Group, Commonweal, Mt. Sinai School of Community Medicine; CDC; 2003*
- **Mixture of 9 pesticides found in surface water had much greater impacts on frog health than each pesticide individually**
 - *Hayes et al., Environmental Health Perspectives, 2006*
- **In air, soil, water, household dust...**



Our Progress

Cockroach Baits

Soybean Rust GIS

Stay tuned...

- **Substantially reduced amounts of chlorpyrifos detected in infants after EPA restrictions on use**
 - *Whyatt et al., Environmental Health Perspectives, 2004*
- **Bald eagle nesting pairs increase from 417 to 5,748 after DDT ban**
 - *Fish & Wildlife Service, 2003*
- **Organic diet significantly lowers organophosphates in children's urine**
 - *Lu et al., Environmental Health Perspectives, 2006*
- **In 2004, EPA registered 26 new active ingredients including 14 biopesticides and 5 “reduced-risk” conventional pesticides**
 - *US EPA Office of Pesticide Programs Annual Report, 2004*
- **We're all part of a new revolution focused on sustainability – green buildings, green energy, green chemistry...**



Delivering on a Promise...