



School IPM Protecting Children from Pests and Pesticides

Center of Expertise for School IPM school.ipm@epa.gov



Objectives

- Create demand
- Empower schools
- Enhance involvement with national and regional school IPM working groups
- Formalize stakeholder network
- Strengthen and leverage federal partnerships
- Align with other Agency school programs
- Facilitate school IPM becoming the way schools practice pest management



Create Demand for School IPM

Articles and blogs through national orgs.

Mass outreach

Webinars

Partnerships with change agents



One Voice



About PTA

About One Voice

PTA Website

School Smart IPM: The Sensible Way to Work the Bugs Out

APRIL 27, 2014 BY DAWN GOUGE 3 COMMENTS

College of Agriculture and Life Science.

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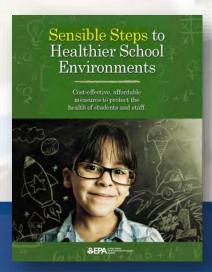




Dawn H. Gouge Ph.D. is an overly enthusiastic entomologist. Associate Professor, University of Arizona,

One of the funniest things I recall from my youth was my Mum's reaction to the imposing Giant House Spiders that cohabited with us in our lovely English duplex. Now the spiders can reach a fairly good size of 2-3 inches, and they are fabulously agile and rather fast moving when they want to be. But back to my Mum: the alert would usually begin with ear piercing shrieks and the sound of thrown slippers, newspapers, and the slamming of doors (please note "a tactical withdrawal is the most desirable form of retreat" Sun Tzu, the Art of War). Our Mum, a 5 foot, 95 pound protector would dash back and forth hammering the









Efforts to Create Demand

Publications

- Saving Dollars and Making Sense: Keeping Bugs Out of the Classroom
- The Role of School Nurses in Integrated Pest Management: Protecting Children From Pests and Pesticides, School Nurse magazine
- NASN Weekly Digest school IPM shorts summer 2014

Blogs

- Is Your Child's School Stuck on a Pest Control Treadmill?
 - Jim Jones, EPA Connect, Mar. 2014
- School Smart IPM: The Sensible Way to Work the Bugs Out
 - Dawn Gouge, PTA One Voice, April 2014
- What You Don't Know About Pests, Can it Hurt You?
 - Tom Green, PTA One Voice, Summer 2014



Outreach Events

- New Orleans School Visit
 - OCSPP Assistant Administrator Jim Jones, Jan. 2014
- Green Schools National Conference
 - EPA keynote and school environmental health session, Mar. 2014
- University of Arizona School IPM Big Check Event
 - OCSPP Assistant Administrator Jim Jones, Apr. 2014
- National Conference on Urban Entomology
 - School IPM Presentation, May 2014
- National Association of School Nurses Annual Conference
 - Poster presentation, Jun. 2014
- PestWorld 2014
 - OPP Office Director invited to speak at a school IPM symposium
- Entomological Society of America National Meeting
 - Cockroaches, their management, and linkage to asthma in schools symposium, Nov. 2014

International IPM Symposium

OCSPP Assistant Administrator Jim Jones keynote, Mar. 2015

Empower Schools and IPM Champions

Model Pesticide Safety and IPM Guidance Policy for School Districts

School IPM Business Case

Saving Dollars and Making Sense: Keeping Bugs Out of the Classroom

National School IPM Expert List Non-Government Organization partnerships

Stock PowerPoints:

General audience, school nurses, facility staff

Update Pest Control in the School Environment: Adopting IPM (aka the Rat Book – e-reader option?)



Providing Information

Publications

- Model Pesticide Safety and IPM Guidance Policy for School Districts
- Tick Safety in Schools: IPM for Protecting Children from Tick-Borne Diseases
- In-Person Training
 - Region 10 school IPM pilot training for Portland Indian Health
 Service Environmental Health Officers Dec. 2013
- Videos
 - California Dept. of Pesticide Regulation School IPM Video Series (EPA Region 9 funding)
 - 11 videos Healthy Schools Act, IPM basics, and specific management techniques for a variety of school pests. Available Jan. 2015. (e.g., http://apps.cdpr.ca.gov/schoolipm/childcare/video_series.cfm)

Providing Information

- Webinars
 - Understanding Bed Bugs in Schools with NPMA Apr. 2013
 - IPM in Schools: Protecting Children in Schools from Pests and Pesticides
 - Green Strides Webinar Series Mar. 2013
 - EPA Sensible Steps to Healthier School Environments Series Jul. 2013
 - Real Time Assistance to Implement EPA School Environmental Health Programs
 - EPA Sensible Steps to Healthier School Environments Series Apr. 2014
 - Mosquito Management with Mike Merchant Jul. 2014
 - IPM for Ticks around Schools with Tom Mather Aug. 2014
 - Outdoor IPM around Schools Sept. 2014
 - General School IPM Oct. 2014
 - School IPM for Nurses with NASN Fall 2014
 - Rodent Control with Bobby Corrigan Dec. 2014

Center of Expertise Activities

Coordinate and collaborate with Regional School IPM Coordinators and external partners

(Regional tech team and PPDC meetings)

Compile and evaluate existing materials

(School IPM materials workgroup)

School IPM Strategic Plan

Provide technical assistance

Align EPA school-related programs

(Office of Children's Health Protection and Office of Air and Radiation)



Washington State School IPM Project





Juliann Barta

EPA Region 10



Carrie Foss

Washington State University Extension



Pilot Goal & Objectives

Goal

Create a model for statewide diffusion of school
 IPM

Objectives

- Increase school IPM partnerships
- Increase IPM implementation in K-12 public schools
- Document what works and lessons learned



Pilot Resources

- EPA Region 10 & Center of Expertise
- Urban Pesticide Education Strategy Team
 - Cooperative effort with state, federal and local agencies providing sensible pest management solutions to people who need them
- PPDC IPM Workgroup
- OPP STAG funding
 - \$62K augments cooperative agreement between EPA Region 10 and the WA Dept. of Agriculture



Mechanisms

- School district focus groups
 - Organize a Core of Champions
 - Pilot different tools
 - Use as a coalition panel for peer-to-peer mentoring
 - Hold district meetings at the Washington Association of Maintenance and Operation Administrators conference
 - Get district input on needed resources and incentives
- Stop School Pests recognition program
- New partnerships



Thanks

- Janet Hurley
- Marc Lame
- Carrie Foss

Behavioral momentum

Newton's second law of movement states - the change in velocity of a moving object when an outside force is applied is directly related to that force and inversely related to the object's mass





The magic S word is Sustainability

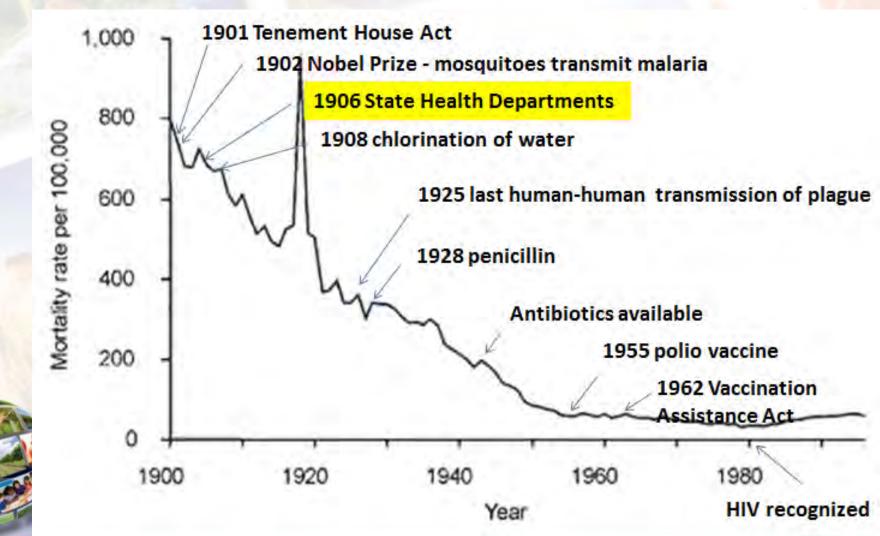
- Build the change agent core
- Comprehensive school community involvement
- Marketing brand recognition (e.g. Stop School Pests)
- Top down and bottom up
- New partnerships with stakeholder associations

The magic S word is Sustainability

- Stop School Pests recognition program for schools meeting appropriate standards (tiered approach)
- Procurement contracts and model policy
- Environmental Health committees
- Public Health Departments
- Statewide enhancement project (Carry Foss and Juliann Barta)

The power of public health

Deaths from infectious diseases fell in the US during the 20th century



1. Demand side IPM messaging

- a) Create awareness of need
- b) Generate consumer interest by generating news stories that demonstrate how consumers can benefit
- c) Generate commercial business interest by generating articles that demonstrate benefits to businesses
- d) Generate better community relations, communicate with all stakeholders
- e) Drive readers to consumer-related websites containing education forums



2. Environmental Health & Safety Committees (EHS)





3. Pest presses



Upcoming Webinars and Events

Attend Free Sessions of the Green Strides Weblinar Series The Green Sindes Webinar Series provides school communities the tools to reduce their constructed analysis and quellinase, and to such attaching The Laten Singles Webnar Series provides school communities the Boos to reduce them schools' environmental impact and costs; improve health and wellness; and leach effective control to the costs of th schools: environmental impact and posts; improve hearn and wellness; and leach erective environmental literacy, including STEM, green careers, and civic engagement find more to-climate management and advantage waskin other hors. environmental literacy, including STEM, green careers, and civic engagement, sessions for educators, facilities managers, and advocates weekly, click nere-

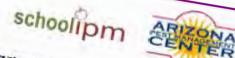
December 11, 2013, 4-5 p.m. Eastern / 2-3 p.m. Arizona: Physical Health and Wellness

December 11, 2013, 7:30-9 p.m. Eastern (5:30-7 p.m. Arizona: CimateChange) IVE Education Resources Highlights - Part 2 (USFS)

For more information about the EFA Schools program, Vizithttp://www.epa.gow/schools/

For more information about the Community IPM, visitmanagement communey page







For more information about School IPM in Arizona, visithttp://cais.arizona.edu/sonc/Mestamachooiless/html

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4. PMP partners PMP - partnership w/ thoughtful procurement (IPM contract)



5. Genuinely care and influence

John C. Maxwell — 'People don't care how much you know until they know how much you care'











LIKING





SCARCITY



6. Area-wide Coalitions



7. Recognition Program huge ramifications! Increase professionals credibility, increase stakeholder engagement, expanded both change agent and stakeholder group.



8. GET DIRTY!

Mosely because it's fun, but it does make a difference.





Indiana University

9. Non-pesticide-centric rules and regs

Pest resource reduction:

water, waste, clutter, sanitation pest-proofing, etc.





Critical Mass In Diffusion: The Point After Which Further Diffusion Becomes Self-sustaining

- Occurs at the point at which enough individuals in a system have adopted an innovation so that the innovation's further rate of adoption becomes selfsustaining
- Threshold occurs at the individual level of analysis, whereas the critical mass operates a the system level



People are motivated by perceived threat



660,000 malaria



5



People take action based on perceived ease and efficacy – how to reduce high blood pressure



Discussion and Feedback







