


**IPM Training**  
Principal and Directors Meeting  
March 20, 2012




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**What is IPM?**

- Integrated Pest Management (IPM) is a system of controlling pests in which pests are identified, action thresholds are considered, all possible control options are evaluated and selected controls are implemented. Control options, which include biological, chemical, cultural, physical, and mechanical methods, are used to prevent or remedy unacceptable pest activity or damage. Choice of control options is based on effectiveness, environmental impact, site characteristics, worker/public health and safety, and economics.




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**Why You Should Care About IPM?**

- Reduction of pests
- Less pesticide exposure
- Fits well with existing tasks
- Aids with building repairs and design
- Do what you are doing now – just think pests!




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## History of IPM in Schools in Texas

- Pesticide misapplication in a rural school district prompted legislation
- Mandatory best management practices for all Texas schools



UT-ARIZONA EXTENSION

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## Common Pests in Schools

- **Cockroaches:** Skin fragments and feces are the most common cause of asthma in urban youth.
- **Ants:** Fire ant stings cause several human deaths per year.
- **Rodents:** Deadly hantavirus is transmitted by rodent urine and feces.



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## Benefits of IPM

- Reduced pesticide use.
- Healthier learning environment for our children.
- Better long-term control of pests.
- Reduced liability of school districts.
- Cleaner and tighter building – works well with environmental programs

UT-ARIZONA EXTENSION

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### Ingredients of an IPM Program



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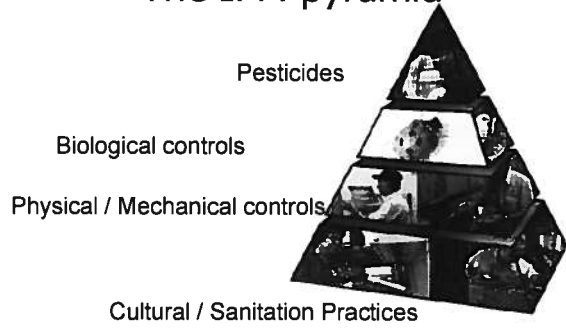
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### The IPM pyramid



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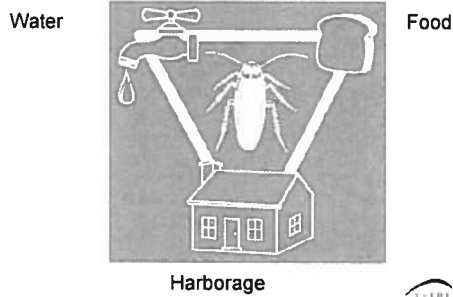
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### What Pest's Need to Survive



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### What You Can Do

- Get to Know the IPM Coordinator and Pest Management Staff.
- Communicate your pest sightings to the IPM Coordinator
- Use pest sighting logs when available
- Comply with Pest Control Operators/IPM Coordinator recommendations



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### What to Watch For and Help

- Keep the Classroom as Clean as Possible
  - Make notes when clutter is becoming an issue
- Sanitation, not pesticides, makes the biggest impact on pest populations.
- Cleaning up after any pets in the classroom and after parties is an absolute must.
- Empty soda cans, used paper plates, food wrappings, etc. should be placed in the trash can and then hauled to an outside dumpster before the end of the day.



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### Special Areas of Interest

- Special needs rooms
  - Usually cluttered
  - Have food items
- Teacher Lounges
  - Food, food and more food
  - Who's responsible for cleaning.



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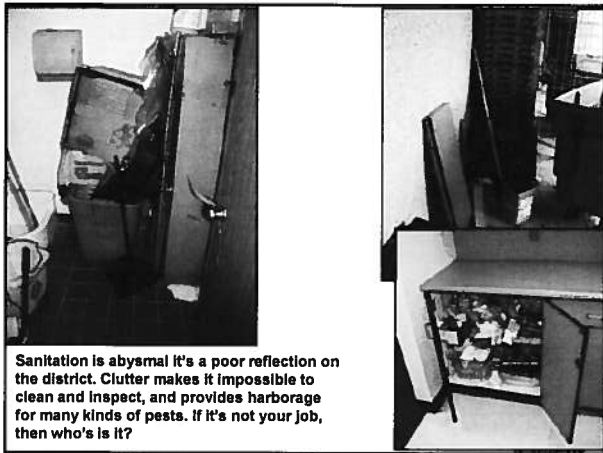
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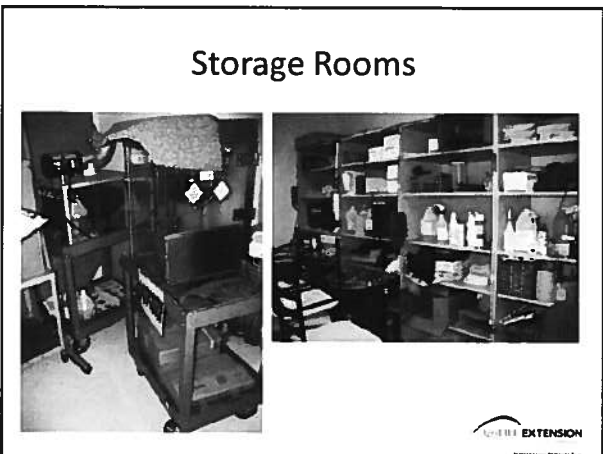
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### Classrooms



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### Let's Review

- Don't bring pesticides from home
- Never supply home remedies as well
- Store supplies in tight fitting containers



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### TX School IPM Rules

- IPM Program Adopted by School Board
- Designate person – IPM Coordinator
- Must post 48 hours in advance of any treatment
- Starting in Sept. posting for outdoor treatments
- Must notify parents
- Non-chemical control options must be considered first, then apply least toxic second (Green Category)



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### Essentials in an IPM Program

- Identify ways to prevent pest entry
- Deny pest access to food, water and harborage
- Monitor areas that are likely to attract pests regularly
- Identify the pest accurately
- Then assess the best options to control the pest
  - Remember that cleaning is an option




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### Import IPM Principles

- Cultural Controls
  - Reduction of clutter
    - Help Teachers to achieve this goal
  - Keep food and treats in sealed containers
- Sanitation Controls
  - Identify areas that need special attention
  - Trash cans and recycling areas are harborage sites
  - Spillage behind containers on walls – food for ants and cockroaches.




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### Import IPM Principles

- Mechanical Controls
  - Report areas that need maintenance action
    - Door sweeps, pipe chases, ceiling tiles
- Physical Controls
  - Don't remove snap traps and sticky traps
  - If the area needs cleaning pick up and replace
  - Note when sticky traps have not been replaced or are old




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# IPM is Everyone's Responsibility



EXTENSION

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