Assessment and Implementation of IPM in Schools: Practical Implementation

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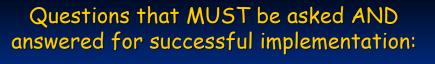
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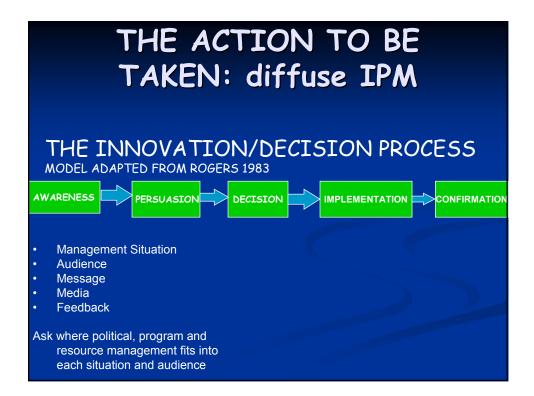
- Questions that MUST be asked AND answered for successful implementation
- Practical steps for implementation
- Sustainable Management for IPM

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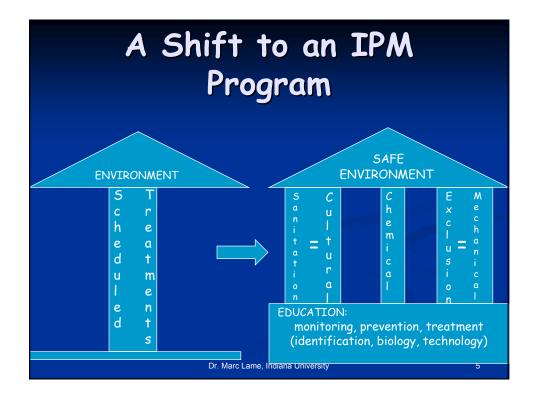
Transferring the IPM innovation

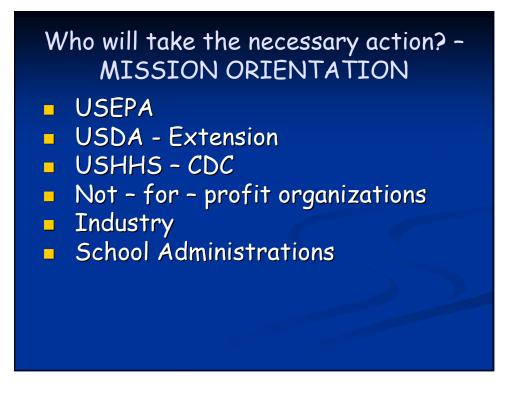


- What action must be taken?
- Who will take the necessary action?
- Do they have the necessary resources to take action???



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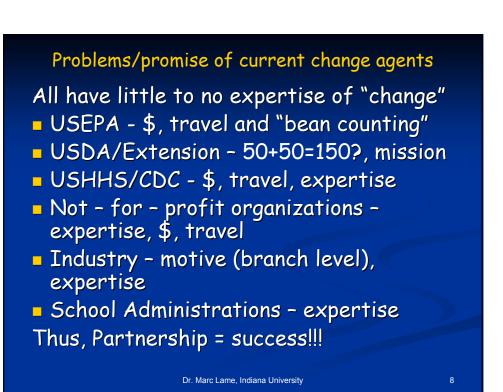




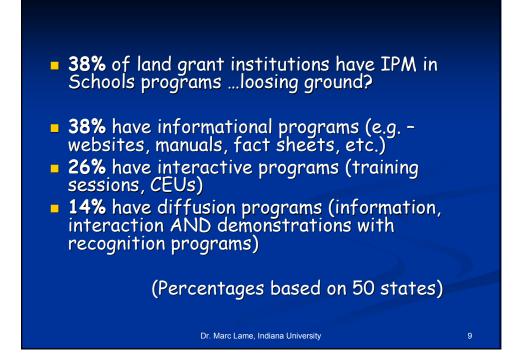
Extent of Change Agents' Promotion Efforts Implementation process

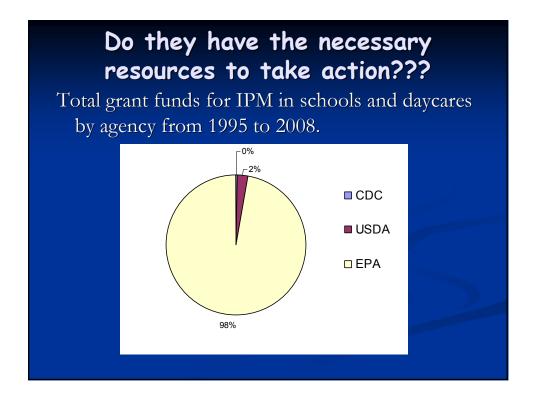
"up front" investment

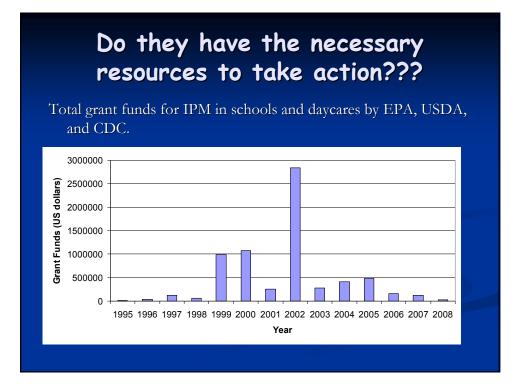
Ability to compete

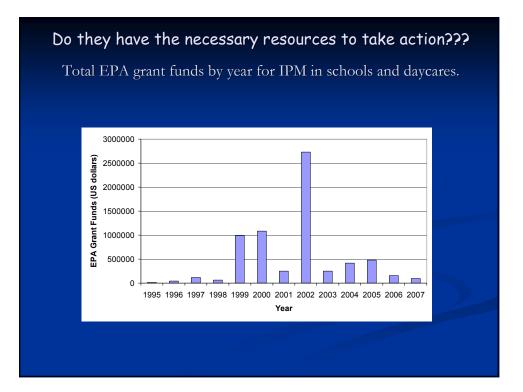


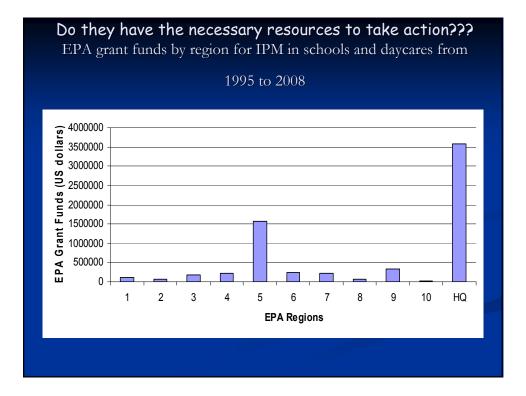
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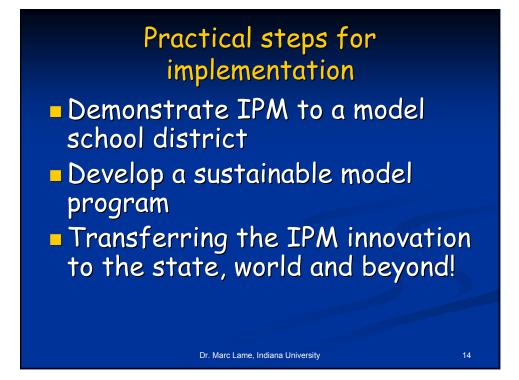


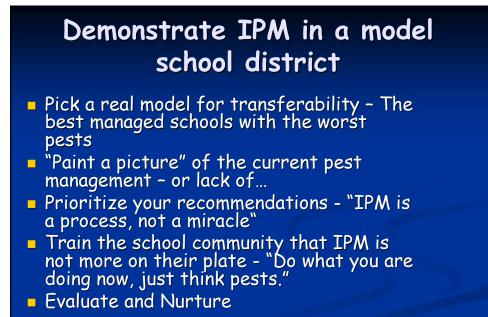




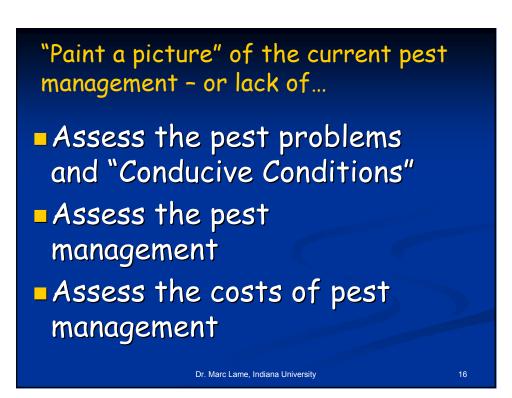








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### Pest Vulnerable Areas

- Kitchen, pantry and cafeteria
- Dumpsters
- Teachers lounge
- Custodial closets
- Special Ed/classroom/nursery
- Bathrooms
- External grounds

What do these areas have? Food/water/shelter!

### And what can schools do best? Eliminate

Conducive Conditions: those things that attract pests and allow them to be where you don't want them. Marc defines the Pest Management Professional as an:

## "Diagnostician/educator"



## PMP - "Diagnostician"

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- Your "professional" relationship
  History
  - Inspection for conducive conditions
  - Inspection for pests
  - ID and biology
  - monitoring



Time - By the minute (square ft. bids are not appropriate in schools)

- Elementary School average = 30-45 min/month
- Middle School average = 45-60 min/month
- High School average = 60-120 min/month



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# **IPM** Training

- pest ID
- Pest Biology
- conducive condition ID using "ecological equivalents" and remediation
- All management alternatives ...and their safe use!



## What is IPM?

- Don't attract Pests
- ☞ Keep them out

 Get rid of them, if you are sure you have them with the safest, most effective method(s)





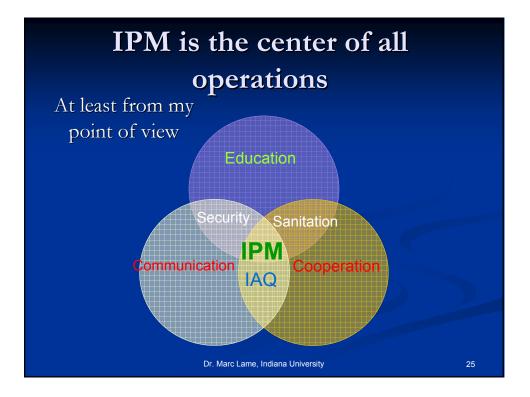
Prove IPM is compatible with the district's current operations

- Doing what you do now---just think pests!!!
  - Security = monitoring
  - Energy conservation = exclusion
  - Sanitation = nothing to eat
  - Clutter control = no place to live

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Food Water Shelter









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# Justified Applications

Treat every pesticide like it might be banned...be precautious!

Timing and Coverage based on children and target pest

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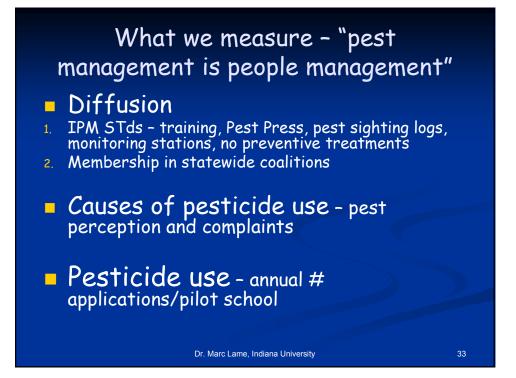
### Develop a sustainable model program

Evaluate
 Confirm they make the right decision to adopt IPM - plaques, press, leadership

#### **Up Front Investment**

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 Critical Mass - "occurs at the point at which enough individuals have adopted an innovation so that the innovation's further rate of adoption becomes selfsustaining" (Rogers, 1983) - the initiation of the exponential growth phase



### Spanning 10 Years, 7 States and 5 EPA Regions:

71% Reduction in Pesticide Applications

 78% Reduction in Pest Complaints to School Administrations

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### ARGUMENT -1997 ESA Meetings:

Pests are defined by humans--not nature. Pest management is not confined to industry (agricultural or urban/structural). "Insects can be managed, but management is people oriented..." (Metcalf and Luckmann, 1975).

IF you don't do it someone else will...

