NIOSH Pesticide PPE Best Training Techniques Workshop

Part 2: Hands-On Training
Technique: People Learn By Doing

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Objectives

- Provide rational for using hands-on
- Provide examples of hands-on activities
- Engage in a hands-on activity
Why Hands-on?

- Uses different learning styles
- Bridges language and cultural barriers
- Engages participants
TIPS

- Relevant
- Practical
- Realistic
- Focus - message
- Practice
- Checkout location in advance
- Flexible
“Step Away from Your PPT”
large audience

Live Skit - Role Play

Live FT skit > video FT skit > alt. video

“Step Away from Your PPT”
Respirator Inspection

1. Is it ready to use? Why?

2. Is it the correct part for the respirator? Why?
Inspect your respirator
“Get Your Hands Dirty”

Unplugging a sprayer nozzle

Role Play

- message
- actors
- props
- story
- cue cards
- questions
- discussion points
Cue Cards

#1
#3
“Get Your Hands Dirty”

PPE Removal & Decontamination

Practice skills:
- 12 steps

Convey a message:
- “dirty to dirty & clean to clean”
Dirty to Dirty
Clean to Clean

Darrell Kilgore WSU Video Unit

Darrell Kilgore WSU Video Unit
“Get Your Hands Dirty”

Fluorescent Tracer

Dirty to Dirty

PNASH
“Get Your Hands Dirty”

Location

Farm

Outside
Inside
“Personal Touch”
individual approach 1-4 people

Hands on Interactive Demonstrations

- Head to Toe Protection
- Personal Protective Equipment
- Labels
“Personal Touch”
Head to Toe Protection

- Absorption rates of body - why PPE is important
- Donning and doffing - proper methods of putting PPE on and taking PPE off
- Practical use - long sleeve long pants - when is that okay
Personal Protective Equipment

- Having correct PPE available
- Audience Participation
- Glove sizing, Coverall sizing, Respirator Donning
Rubber gloves are not chemically resistant to all pesticide products.

Chemically resistant boots and gloves can trap fumigant pesticides near the skin and cause burns.

Using the wrong respiratory equipment can lead to inhalation exposure.

Training for pesticide workers should emphasize PPE is selected based on label requirements and product use.
“Personal Touch”
Labels – Proper PPE

Example: Chemical-resistant gloves and footwear should not be worn when handling certain fumigant gasses, such as methyl bromide.

Remember: PPE should be selected based on the requirements of a specific product label and how the product will be used.

Methyl Bromide Label

WORK SAFETY REQUIREMENTS
- Do not wear jewelry, gloves, goggles, tight clothing, rubber protective clothing, or rubber boots when handling. Methyl bromide is heavier than air and can be trapped inside clothing and cause skin injury.

Methyl Bromide Chemical Burn

Teach and Demonstrate Risk Assessment
Conclusion
“People Learn by Doing”

- hands-on activities
- interactive demonstrations
- relevant, practical, realistic,
- different sized audiences
  - large
  - small audience or breakout group
  - individual (1-4 people)
- Personal touch

Q&A