NIOSH 2011 Stakeholders Meeting

Agricultural Breakout Session
Pittsburgh, PA
March 29, 2011
Break Out Session Hosts

- Kim Faulkner, Epidemiologist
  - NIOSH/NPPTL, Pittsburgh PA

- Kevin Keaney, Chief EPA Pesticide Worker Safety Program
  - EPA Headquarters, Washington DC

- Stan Thomas, Health Agriculture Manager
  - Oregon OSHA, Bend OR

- Kerry Hoffman-Richards, Pesticide Education Program
  - The Pennsylvania State University, University Park PA
Goals

Prioritize identified barriers and develop solutions
Panel Members

• Pesticide handler/Advocates
  • Yolanda Gomez, Anne Katten, Virginia Ruiz, Mario Molina

• Commercial Applicators
  • Josh Bossard

• Growers/Advocates
  • Kiley Harper-Larsen, Frank Gasperini

• Educators
  • Cesar Asuaje, Ofelio Borges

• Regulators
  • Lisa Candelore

• Other professionals
  • Natalie Roy, Kim Faulkner, Dennis Groce
Panel Members, cont.

• Pesticide Manufacturers
  • Curt Lunchick, Allan Hovis
• Pesticide Suppliers
  • David Yoder
• PPE Manufacturers
  • Jeffrey Birkner, Craig Colton, George Gianforcaro
• PPE Suppliers
  • Mike Smeaton, Steve McGough
Audience Response System
About the Clickers

- Please return them!
- They are of no use to you outside of this room
- They are NOT calculators or TV remote controls
About the Clickers

- They are part of an interactive audience response system
- They provide instant feedback to multiple-choice questions
About the Clickers

- Your answers are anonymous, so don’t be shy

- A chart will appear after everyone answers to reveal the percentage of people who selected a certain answer
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Are you left handed?

1. YES
2. NO

Answer Now
Which is your pick for lunch today?

1. Turkey and Havarti on a Croissant
2. Ham and Swiss on Ciabatta
3. Roast Beef and Cheddar on Rye
4. Grilled Vegetable Wrap

Answer Now
Which group best identifies you?

1. Pesticide Handler
2. Grower
3. Manufacturer or supplier
4. Educator
5. Regulator
6. Other profession

0% 0% 0% 0% 0% 0%
Using appropriate gloves when mixing, loading and applying pesticides can reduce your exposure by?

1. 15%
2. 45%
3. 82%
4. 99%
Which glove is most protective against most classes of pesticides?
What protective eye wear would NOT be acceptable for use with a Warning, Danger or Danger-Poison Pesticide?

1. Glasses
2. Goggles
3. Respirator
4. Face Shield
This must be read in order to determine what PPE must be worn?

1. New York Times
2. The Material Safety Data Sheet
3. The Pesticide Label
This helmet would be considered appropriate if the label read: “wear a chemical resistant wide brimmed hat.”

1. True
2. False
Is this considered a NIOSH Approved respirator?

1. True
2. False
Which shoe or boot is appropriate PPE?

1. Cowboy Boots
2. Sneakers
3. Snow Boots
4. Rubber Boots
Regulatory Primer

• EPA – Worker Protection Standard (WPS)
• OSHA – Personal Protective Equipment Standards (PPE)
OSHA State Plans
Breakout Session #1

• Overcoming barriers to using the correct personal protective equipment (PPE):
   Insufficient knowledge
   Limited access
   Handler does not accept
Which barrier contributes most to using incorrect PPE?

1. Lack of knowledge
2. Limited access
3. Lack of acceptance
Why might a handler not understand the correct PPE to wear for a task?

1. Information on the pesticide label is unclear, incomplete or outdated
2. Inadequate Pesticide Safety Training
3. Dealer Distributor Information Unavailable
4. The PPE packaging label is unclear
Next Steps

• What are some of the challenges in overcoming this barrier?

• Are we satisfied with our suggested solutions?

• Who would be the likely key players that could assist with this issue?
When correct PPE is known, what are barriers for obtaining it?

1. It is not available
2. The PPE packaging/labels are unclear
3. Identifying correct PPE during the purchasing process
4. Limited market for pesticide related PPE
Next Steps

• What are some of the challenges in overcoming this barrier?

• Are we satisfied with our suggested solutions?

• Who would be the likely key players that could assist with this issue?
When correct PPE is available, what is the major reason it is not accepted?

1. Safety Culture/
   Fear of Retaliation
2. Don’t understand
   Health Hazard
3. Comfort
4. Functionality
Next Steps

• What are some of the challenges in overcoming this barrier?

• Are we satisfied with our suggested solutions?

• Who would be the likely key players that could assist with this issue?
Have you changed your mind?
Which barrier is most important to using correct PPE?

1. Lack of knowledge
2. Limited access
3. Lack of acceptance
Goals

Prioritize identified barriers and develop solutions

Moving From Barriers to Solutions
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Decontamination includes, soap, water, paper towels and

1. Hot Tub
2. Hand Sanitizer
3. Loofah
4. Change of Coveralls
When do you need to change out a respirator cartridge?

1. Every two weeks
2. At the end of every work shift
3. Every four hours of use
4. On New Year’s Eve
A respirator should be inspected

1. Before each day’s use
2. Every Tuesday
3. After an application
In the absence of cleaning information from the manufacturer or the pesticide label, PPE shall be cleaned with:

1. Windex
2. A solvent based cleaner
3. Hot water and detergent
Storing respirators with pesticides is an acceptable practice.

1. True
2. False
A long sleeve shirt, long pants and boots is considered personal protective equipment.

1. True
2. False
Breakout Session #2

• Overcoming barriers to not wearing, storing, decontaminating, maintaining, and inspecting PPE properly
  ➢ Insufficient knowledge
  ➢ Handler does not accept
Which aspect of proper use of PPE is most important?

1. Wearing incorrectly
2. Improper storage
3. Improper decontamination
4. Improper inspection
Based on the previous slide, which is the most significant barrier to doing that task appropriately?

1. Not knowing how to do the task appropriately
2. Lack of acceptance for the need to do the task
What is the most important reason why handlers don’t know how to use PPE properly for the specific item you selected?

1. Information on pesticide label is unclear or incomplete
2. Inadequate Pesticide Safety Training
3. No guidance available with the PPE packaging for specific task or what is available is confusing
Next Steps

• What are some of the challenges in overcoming this barrier?

• Are we satisfied with our suggested solutions?

• Who would be the likely key players that could assist with this issue?
When it is known how to use PPE properly for the item you selected, what is the most important reason why handlers don’t do it?

1. Feasibility – nature of the job
2. Don’t understand the hazard
3. Safety Culture
4. Comfort
5. Functionality
Next Steps

• What are some of the challenges in overcoming this barrier?

• Are we satisfied with our suggested solutions?

• Who would be the likely key players that could assist with this issue?
Have you changed your mind? Which is the most significant barrier to using PPE properly for the item you selected?

1. Not knowing how to do the task appropriately
2. Lack of acceptance for the need to do the task
Have you changed your mind?
Which aspect of proper use of PPE is most important?

1. Wearing incorrectly
2. Improper storage
3. Improper decontamination
4. Improper inspection
Conclusions
Questions
&
Answers