Respirator Training Program and Fit Assessment for Agricultural Producers

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Outline

• Background/Significance
• Project Development
• Goals
• Work to Date
• Future Implementation
Background/Significance
Project Development

- Accessible
  - Mobile
  - Internet based
- Problem Solving Approach
  - Hazard assessment
  - Solution Justification
    - Selection of protection
Goals

- Specific Aim 1: Determine Utah farmers’ and ranchers’ use of respirators, knowledge of respirator types, training experience and fitting procedures, and perceived barriers/facilitators of respirator use in production agriculture work.

- Specific Aim 2: Implement a mobile fit assessment and training program for N95 respirators used by Utah farmers and ranchers.

- Specific Aim 3: Evaluate the effectiveness of the mobile respirator training program at changing participants’ attitudes and behaviors following three months after completion of the program.
Work to Date

- **TSI Portacount 8038**
  - Calibration and Training
- **N95 Particulate Filtering Facepiece Respirators**
  - Various styles and brands have been acquired for testing
  - Participants will receive a free sample
- **3M electronic health questionnaire**
- **Pre-test/Post-test Survey**
  - Theory of planned behavior
Work to Date

• Curriculum Development
  – Video and Picture Collection of work in agriculture
    • Regulatory Self-Questioning Scenario
  – OSHA Respirator Training Videos
  – National Personal Protective Technology Laboratory
Work to Date

• Mobile Field Office
  – Complete
  – Set for demonstrations at county fairs

• Pesticide Applicators Pilot Training 2013
  – Cache County: 4 participants
  – Box Elder County: 26 participants

• Northern Utah Fruit Growers Pilot training 2014
  – Box Elder County: 23 participants
Piloting Curriculum

- 53 individuals
  - 50.9% had not received any respirator training
  - 39.6% had received fit testing for a respirator they wear
- Disadvantages to using it for agricultural work
  - Hot
  - Uncomfortable
  - It is in the way
Future Plans

• Phase II
  – Develop and Implement Marketing and Recruitment Programming
    • Utah Public Radio Collaboration
  – Develop training focused on Elastomeric
    • Half
    • Full
    • PAPRs
    • SCBA
  – Environmental Monitoring
    • Concentrations
    • Particulates
Thank you!

- Questions