OVERVIEW

- Introduction
- Recent Study Findings
- Top 10 Safety Tips
- Divide & Conquer… and think ‘Las Vegas’
- Safety Action Planning
INTRODUCTION

- Presenter background
- Three volunteers?
THE COURAGE SCALE

reserved  average  brave
Worker Beliefs & Attitudes
- Health Belief Model

Knowledge & Learning

Worker Practices
- 80-hour week
  - use of safety practices

Dangerous Work
- fatigue

Interfacing with the Public

Pesticide Applicator Safety

Worker Development

TIME

Industry Changes

Work Environment
**KEY FINDINGS**

- Why are we doing this?
- Nearly everyone who works with pesticides gets exposed
- Workers & farmers may need additional resources to improve safety
- There are other dangers in ag work
SOME MOTIVATION

- Men account for 95% of fatal work injuries in Washington
- 10,000 – 20,000 agricultural pesticide poisonings every year in the U.S.
- Approx. 300 in WA each year (reported)
- Organophosphates & Carbamates: ChE test
- Synergistic effects of pesticides are not well-researched
WHY?
RESEARCH FOR TOP TEN SAFETY TIPS

Workplace, Household, and Personal Predictors of Pesticide Exposure for Farmworkers

• Sara A. Quandt, María A. Hernández-Valero, Joseph G. Grzywacz, Joseph D. Hovey, Melissa Gonzales, and Thomas A. Arcury
TOP TEN SAFETY TIPS

1. Read, understand & follow the label
   - Understand Signal Words
   - Use chemical measurement tools provided by manufacturer
   - Follow directions on the label

<table>
<thead>
<tr>
<th>CAUTION</th>
<th>Slightly toxic either orally, dermally, or through inhalation; causes slight eye or skin irritation.</th>
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</thead>
<tbody>
<tr>
<td>WARNING</td>
<td>Moderately toxic either orally, dermally, or through inhalation; causes moderate eye or skin irritation.</td>
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<tr>
<td>DANGER</td>
<td>Can cause severe eye damage or skin irritation.</td>
</tr>
<tr>
<td>DANGER-POISON</td>
<td>Highly toxic by any route of entry into the body.</td>
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TOP TEN SAFETY TIPS*

2. Use prescribed PPE
   • Long-sleeves
   • Respirator
   • Chemical resistant boots and gloves that match the chemical you are using
   • What are some others?
**DIVIDE & CONQUER QUESTIONS**

- Sometimes workers and farmers do not use PPE
- Top 4 reasons
  1. Poor fit
  2. Not easily accessible
  3. Too hot
  4. Looks unattractive
- Why should you use PPE?
- What is one thing you can do to increase your use of PPE?
TOP TEN SAFETY TIPS

3. Wash hands before eating and/or smoking
TOP TEN SAFETY TIPS

4. Wash hands before using the bathroom
5. Wash hands after mixing chemicals
HAND WASHING IN THE FIELD

https://www.youtube.com/watch?v=nBZyHSL98xo

What are you doing now?
6. Remove Shoes before entering the house
7. Shower as soon as possible after work and before hugs with your family
TOP TEN SAFETY TIPS - HOME

8. Launder clothes separately from family laundry
9. Vacuum dust at home
10. Protect children and youth from exposure
DIVIDE & CONQUER QUESTION

- Incident of reusing washed containers
- What would you do?
SAFETY ACTION PLAN DISCUSSION

For the safety of my coworkers, I plan to

For the safety of my family, I plan to

For my long-term health, I plan to
QUESTIONS? & EVALUATION

http://npic.orst.edu/