Ag Health & Safety Alliance
The Team

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The Team
AG Health & Safety
Customized Programs
Next Generation of Ag
### Program Topics and Learning Objectives

The Gear Up for Ag Health and Safety® program is customized based on local, regional, and agricultural exposures and Ag health and safety statistics. Results from a standardized international pre-survey administered prior to the program presentation assists with the development of each program. The Survey Data provides understanding on how students are doing prior to the delivery of the program. Sharing real data with students gives the opportunity to open up discussions about the students who are in the program. This program also includes the distribution of a Gear Up for Ag® PPE Kit to each student and instructor. View a list of the PPE on our online program page.

Topics and learning objectives vary depending on the length of the program, survey results and relative agricultural exposures. Examples of program topics and learning objectives for each topic include:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Learning Objectives</th>
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| **Agricultural exposure and hazards** | - discuss agricultural health and safety exposures and hazards  
- identify ag health and safety hazards based on regional hazards where program is presented and participant personal exposures  
- discuss use of personal protective equipment as a method of increasing awareness of ag health and safety hazards |
| **Prevention strategies** | - define hierarchy of controls  
- identify examples of engineering controls  
- discuss personal protective equipment and hierarchy of controls |
| **Pre-survey results** | - review pre-survey data related to agricultural exposures |
| **Pre-survey strategies** | - define types of prevention strategies  
- facilitate educational resources |
| **Machinery safety** | - pre-work inspection check list  
- use of JIC/OSHA inspection forms (form J) and seat belt use with JIC/OSHA  
- review student data related to machinery and equipment use and tasks  
- identify appropriate use of PPE when working with machinery  
- general machinery safety based on equipment students are working with  
- review equipment and machinery statistics |
| **S/N safety** | - review national and regional PPE standards  
- review injury data (hat use, extra riders, relying ATVs)  
- discuss safety protection (HEVs)  
- discuss crash protection devices |
| **Respiratory health and protection (specific exposure vary by region)** | - define respiratory exposures in agriculture  
- discuss respiratory problems related to agricultural exposure  
- discuss respiratory illness and disease related to exposure  
- review participant survey data  
- demonstrate types of respirators (disposable, reusable cartridge, full face, replaceable particulate respirators)  
- review use of SCBA in Ag settings  
- identify appropriate respiratory protection for specific exposures  
- review respiratory worksheet for students to use as resource  
- distribution of disposable and reusable respirators  
- discuss and demonstrate fit check and fit testing |

For more information, visit our website www.aghealthsafety.com  
Gear Up for Ag Health and Safety Program Page
Surveys
Pre and Post Survey done in Class room
International
SurveyMonkey
Standardized International
Pre-Survey

Each program includes a standardized international pre-survey administered 2-3 weeks prior to the program presentation.

Pre-survey questions include:

- demographics,
- agricultural exposures,
- signs and symptoms related to exposures,
- current health and safety knowledge,
- current health and safety behaviors,
- concern for others

Additional questions can be added by partnering organization, sponsor, college, high school to assist in collecting additional information.
Post Survey

- administered 1-3 months following program delivery
- determining how the program made an impact on behavior changes
- assists with program evaluation
  - length of program
  - amount of information
  - what liked the best
  - sharing
- partners and colleges also be able to use these results to assist with future program development.
Kahoot- Pre and Post Kahoot survey are conducted for instant knowledge gain.
Evaluation

The Gear Up for Ag Health and Safety™ program follows the Kirkpatrick’s Four - Level Training Evaluation Model.

The results of this program are measured in several ways including:
• number of students who receive education,
  • reaction to program,
  • change in knowledge,
  • change in safety behaviors
2462 Total Students

Pre-Survey = 1670
- US = 656
- Canada = 730
- Australia = 164
- Denmark = 100
- Sweden = 20 plus next week

Post Survey = 375
- US = 85
- Canada = 201
- Australia = 67
- Denmark = 22
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Survey results
1. Do you wear a 2-strap disposable respirator/mask when working in dusty environments?
   - Never
   - Sometimes
   - Always
   - N/A

2. Do you apply sunscreen when exposed to the sun?
   - Never
   - Sometimes
   - Always
   - N/A

3. Do you wear hearing protection (hearing plugs, ear muffs) in noisy environments?
   - Never
   - Sometimes
   - Always
   - N/A

4. Do you wear safety glasses when exposed to hazards that can damage your eyes (grinding, cutting, mowing lawn)?
   - Never
   - Sometimes
   - Always
   - N/A

5. Do you allow extra riders when operating an ATV/Quad?
   - Never
   - Sometimes
   - Always
   - N/A (don't operate or ride ATV/Quad)

6. Do you wear a helmet when operating or riding on an ATV/Quad?
   - Never
   - Sometimes
   - Always
   - N/A (don't operate or ride ATV/Quad)
Q22 How old were you when you first started helping/working on the farm or ranch?
Q35 Do you currently use social media to get Ag Health and Safety information. If yes; check all the apply.
Q26 I am concerned about the health and safety of family members or friends who are involved in agriculture?
Stress and Mental Health

Chronic stress is associated with both anxiety and depression in the US:
- 268 million - depression
- 275 million - anxiety disorders
- 1 in 5 - some type of Mental Illness
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Do you recognize the signs and symptoms in yourself or someone you know?

Q27 Please indicate how much worry or concern each of the following items has caused you in the past two weeks by checking (✓) the appropriate response box below.

Q28 Over the last 2 weeks, how often have you been bothered by the following problems? Please check (✓) the appropriate response box below.

Q29 Have you observed someone else who appears to be experiencing one or more of the symptoms listed in the previous question.
More Motion Graphics
- Total Body Vibration
- Pesticide Safety
- Tractor Safety
- ATV Safety

International Data Comparison
- Sample size
- No student identifiers
- Cohort study
- Improve post-test response rate
- Incentives
- Evaluation of resources
- Focus groups with next generation of Ag
- Comparison of international participants

Program Expansion
- US
- Canada
- Australia
- Denmark
- Sweden
We would like to bring the program you!!

Translation
- French
- Spanish
- Danish
- Other

Sponsors
3M
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