

Student Surveys

The Gear Up for Ag Health and Safety™ program follows the **Kirkpatrick's Four-Level Training Evaluation Model**. Survey Monkey is used to gain information related to:

- demographics
- knowledge
- health and safety behaviors
- overall program satisfaction

Kahoot is used onsite for engagement and basic knowledge gain on the day of the program.

Kahoot survey responses:

Pre Program - 1547 student responses

Post Program - 1370 student responses



Pre Survey Data provides an understanding of how students are doing related to health and safety prior to the delivery of the program.

Sharing real data gives the opportunity to create personal discussions with students in the program.



Information from 1574 international students, who completed the standardized Survey Monkey in 2018 and 2019, indicates they **experience signs and symptoms** related to agricultural related hazards and exposures and perform tasks in an unsafe manner while not taking appropriate preventative measures to prevent long-term chronic disease and injuries.

The **standardized 30 question survey** is useful in describing the characteristics and behavioral aspects of students. The survey allows us to draw conclusions, make content design decisions, and modify teaching methods and future programs.

Survey data indicates there is a need for increased attention to hazardous gases in Agriculture and ATV Safety.

Only 14% know the correct respirator to wear when hydrogen sulfide (H₂S) levels are immediately dangerous to life and health.

56% have rolled an ATV/Quad.

13% never | **59%** sometimes | **19%** always allow extra riders when operating an ATV/Quad.

35% never | **38%** sometimes | **18%** always wear a helmet when operating or riding an ATV/Quad.

GearUp

for Ag Health & Safety™

The Ag Health and Safety Alliance's **Gear Up for Ag Health and Safety™** program focuses on educating the next generation of agriculture by interacting with students at Ag colleges and high schools.

Ag Health and Safety Alliance Survey & Evaluation Objectives:

- Conduct a standardized survey to obtain data from students from around the globe.
- Use results to create customized Gear Up for Ag™ programs.
- Compare student health and safety behaviors in multiple countries.
- Use evaluation results to assist with overall program evaluation.
- Obtain data related to long-term behavioral changes.
- Use survey results to reach the next generation of agriculture in unique and impactful ways.

2252 students reached in
United States, Canada, Denmark, Sweden and Australia
70% took the pre survey **14%** took the post survey

Pre Survey is administered 2-3 weeks prior to the program

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

Post Survey is administered 1-3 months following the program

- determine program impact on behavioral changes
- assist with program evaluation
 - length of program
 - amount of information
 - what students liked the best
- determine if students are sharing information
- allow partners and colleges to evaluate results to assist with future program development.

Things to consider for the future:

- Use of student identifiers
- Cohort study
- Ways to improve post survey response rate
- Incentives to complete surveys
- Use of survey to evaluation resources
- Student focus groups
- Comparison of international participants