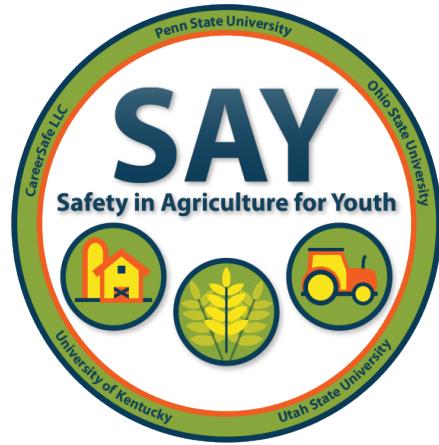


Agriculture plays an important and vital role in the economy and culture of the United States, but is also an industry where workers are exposed to many unique health, safety, and environmental risks. The risks associated with these types of occupations include fall hazards and vehicle accidents as well as heat exposure, suffocation hazards, and pesticide poisonings. An increased use in chemicals, machinery, and working in sometimes dangerous conditions influenced by the environment and weather, has the potential to cause disabling injuries or even death. Because agriculture is one of the few industries where the worksite and home are usually the same location, family members are also at risk of exposure to illnesses, injuries, and fatalities due to living, and often playing, on or near the work premises as well as sharing work

tasks and responsibilities. In 2012, over 1.8 million workers were employed in agricultural production, with over 955,000 youth under the age of 20 present. Almost half of these young people were also reported to be working on these farms.

According to the Centers for Disease Control and Prevention, agriculture is one of the top three industries in the country with the highest fatality rate, and young workers are not exempt. Many injuries and deaths occur from rollovers, run overs, and getting caught in machinery. Of all fatalities among youth, 25% involves machinery, followed by motor vehicles (17%) and drowning (16%). Tractor rollovers are reported as the deadliest type of injury on farms, and with only 59% of tractors equipped with rollover protective structures (ROPs) in 2011, changes in safety and health within agriculture is of the utmost importance.

The question then becomes – how can we make changes and impact the agricultural industry in a positive way? The answer rests in education. The future of the agriculture industry is in the hands of youth that are beginning to enter the workplace at home (and elsewhere) and pursuing an education that relates to agriculture. [Read more.](#)



### Online OSHA 10-Hour General Industry (Agriculture) Training

The online OSHA 10-Hour General Industry (Agriculture) training course developed by CareerSafe Online is now available. The course was launched September 2nd, 2014 to the public and will include material related directly to the agriculture industry.

[Read more.](#)

### National Youth Farm & Ranch Safety Symposium

The goal is to develop a national strategy to enhance awareness of, access to, and utilization of farm safety and health materials by youth and adults who instruct and/or work with youth. We are seeking guidance from you to help identify key people from your organizations and elsewhere to assist in development.

[Read more.](#)

### Curriculum Alignment of Safety Resources

A major objective of the SAY project is to identify existing safety resources, determine alignment of these educational resources to national standards, and organize the materials in a single clearinghouse. Educators are asked to submit their agriculture classroom curriculums for inclusion in the SAY National Clearinghouse.

[Read more.](#)

## Online OSHA 10-Hour General Industry (Agriculture) Training Available Now

CareerSafe®, the country's leading provider of online safety training specifically designed for youth, is playing an important role in a new project aimed at developing a coordinated national approach to youth farm safety education. Partnered with Penn State and other collaborating institutions, CareerSafe® has developed an online OSHA 10-Hour General Industry training with a focus on agricultural safety for the Safety in Agriculture for Youth (SAY) project.

"This is a new, innovative way for youth to engage in agricultural safety and health learning," said Dennis Murphy, Nationwide Professor of Agricultural Safety and Health, Penn State University, and SAY principle investigator.

In support of the SAY project, CareerSafe® has developed an online OSHA 10-Hour General Industry (Agriculture) course which meets national and industry recognized credential qualifications set by OSHA and provides entry-level workers with the ability to recognize and prevent safety and health hazards related to the agriculture industry. The course is now available to students and will consist of interactive modules including: Introduction to OSHA, Tractor Safety, Safety Around Livestock, Confined Spaces, Hazardous Communications, and many more.

"With agriculture rated as one of the most hazardous work environments, we want to provide young workers a means to become educated in safety awareness in this industry. We're excited to take another positive step toward lowering agricultural injuries and fatalities of youth," said Dr. Larry Teverbaugh, founder and CEO of CareerSafe®.

CareerSafe® is committed to delivering safety training to students, educators, and schools at a reasonable cost of \$25 per student. Once a student successfully completes the online CareerSafe® OSHA 10-Hour General Industry (Agriculture) training course, the student will receive an OSHA 10-Hour General Industry course completion card. Educators can seamlessly integrate the CareerSafe® program in the classroom through the student management system and will have access to an interactive gradebook, classroom reporting, and supplemental tools that follow each topic.

For more information about the online OSHA 10-Hour General Industry (Agriculture) training course, visit the CareerSafe® website at: [www.careersafeonline.com](http://www.careersafeonline.com) or call: 1-888-614-SAFE.

Ohio State University is currently developing an instructor-led OSHA 10-Hour General Industry (Agriculture) curriculum that will consist of an instructor manual containing PowerPoint slides, lesson plans, and additional classroom materials. Further details about this course will be available in the next SAY newsletter.



## Online OSHA 10-Hour General Industry (Agriculture) Course Description and Modules

The CareerSafe® OSHA 10-Hour General Industry (Agriculture) safety training is designed to provide entry-level workers and employers with the ability to recognize, avoid, and prevent safety and health hazards within the agricultural industry. The training course consists of thirteen interactive modules discussing various important safety tips and procedures entry-level workers should follow while working in the agriculture industry. Students that successfully complete the course will receive an industry recognized OSHA 10-Hour General Industry credential.



**73%** of young worker deaths due to vehicle and machinery accidents.



Every **3 days** a child dies in an agricultural related accident.



**\$1 billion** cost of childhood agricultural injuries per year.



**\$420 million** cost of childhood agricultural deaths per year.

### Required Modules

- StartSafe. StaySafe.®
- Introduction to OSHA
- Confined Spaces
- Safety Around Animals
- Fire Prevention & Protection
- Electrical Safety
- Personal Protective Equipment
- Tractor Safety
- Hazardous Communications
- Machine Guarding including Caught-In/Between, Struck-By, & Materials Handling
- Safety & Health including Ergonomics and Weather Stress
- Walking Working Surfaces including Fall Protection
- Emergency Action including Exit Routes

### Optional Modules

- Crane Operations
- Welding & Cutting
- Excavations
- Bloodborne Pathogens
- Hand & Power Tools
- Stairways & Ladders
- Preventing Workplace Violence
- Flammable & Combustible Liquids
- Disaster Preparedness

### Course Details - Get Started Today!

Just **\$25** per student

Teacher **Supplemental** Materials

Pre-test & Post-test

Classroom friendly **Online** format

Teacher **Gradebook** & Student **Transcript**

Student receives **OSHA 10-Hour General Industry** wallet card

References: Facts and Statistics from the National Children's Center for Rural and Agricultural Health and Safety

## National Youth Farm & Ranch Safety Symposium October 27 & 28, 2014 Louisville, KY

This event is designed to create a unifying vision for the future direction of youth in agriculture.

The goal of this Symposium is to develop a national strategy to enhance awareness of, access to, and utilization of farm/ranch safety materials by youth and adults who instruct and/or work with youth.

The agenda is designed to encourage discussion on the following topics:

- The history of regulating youth for agricultural employment and moving forward
- Modern farm structure and safe youth employment opportunities
- True hazards to youth employed on farms, including medical perspectives
- Formal and non-formal approaches for teaching Agricultural Safety and Health
- Secondary agricultural education programs to provide training prior to employment
- Educational opportunities at the local level
- Access to additional resources for educators, employers, and parents

Organizations scheduled to speak include: Department of Labor, National Institute for Occupational Safety and Health (NIOSH), National Children's Center, National FFA Organization, American Farm Bureau Federation, National Council of Agricultural Employers, American Association for Agricultural Education, Farm Safety 4 Just Kids, and Progressive Agriculture Foundation.

For information about the Symposium registration and hotel reservations, click [here](#). Early bird registration is extended until September 24th.

According to Dee Jepsen, Chair of the Symposium planning committee, "The success of the Symposium forum is dependent upon stakeholders in the room exchanging their ideas. There will be opportunity for structured, and open, conversations about how youth can safely be involved in agriculture. This is a topic area that generates a lot of passion; the Symposium will serve as that outlet to discuss the issues, and look for ways to shape our future direction."

## National Youth Farm & Ranch Safety Symposium

Unifying visions for the future direction  
of Safety in Agriculture for Youth

**When:** October 27-28, 2014

**Where:** Louisville, KY - Hilton Garden Inn - Louisville Northeast  
9850 Park Plaza Ave. Louisville, KY 40241  
Call to reserve rooms under the SAY group rate  
502-423-0018

**Registration:** <https://www.regonline.com/NYFR14>



**Overarching Goal of Symposium:** To develop a national strategy to enhance awareness of, access to, and utilization of farm and safety materials by youth and adults who instruct and/or work with youth.

**Symposium Format:** The two-day conference format will function more like a workshop than traditional conference sessions. Many topics will involve groups of speakers offering varying views with a facilitator to coordinate discussion. The symposium topics will evoke constructive dialogue by all participants to bring ideas, share resources, identify gaps, and discuss best practices for safety involving youth on the farm or ranch.

### Monday - October 27, 2014

11:00 am - 1:00 pm	Registration
1:00 - 1:30 pm	Welcome and Symposium Overview
1:30 - 3:00 pm	Current Regulations: The Good, The Bad, & The Opportunities
3:00 - 3:30 pm	Break
3:30 - 5:00 pm	Youth for Hire: Employment Options in Agriculture
5:00 - 5:30 pm	Discussion of Day 1
6:30 pm	Group Dinner (provided)

### Tuesday - October 28, 2014

7:00 - 8:00 am	Registration / Breakfast (Provided)
8:00 - 8:30 am	Introductions and Review of Day 1
8:30 - 10:00 am	"When Can I...?"
10:00 - 10:15 am	Age vs Competence in the Workplace
10:15 - 11:15 am	Break
11:15 - 11:45 am	Making the Time to Teach Ag Safety: Formal vs Non-Formal Education
12:00 - 3:00 pm	Teaching Resources Future Directions & Recommendations Steering Committee Luncheon (By Invitation Only)

### Participant Registration Rates

Early Bird Full Conference By September 24 \$100	Full Conference By October 17 \$120	Daily Rate By October 17 \$60	Full Conference On-Site \$150
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## Curriculum Alignment Activities

A major objective of the SAY project is to identify existing safety resources, determine alignment of these resources to national educational standards, and organize the materials in a single clearinghouse. Based on recommendations from the United States Department of Agriculture (USDA) to provide access to pertinent educational resources for youth farm safety, a process is being established to align these educational resources to the **National Agricultural, Food, and Natural Resources (AFNR) – Career Cluster Standards (CS)**. The SAY National Clearinghouse strives to develop into a sustainable and accessible web-based forum for agricultural safety and health resources for youth. In order to accomplish the initial step, a committee of Curriculum Alignment Advisors (CAAs) are providing leadership to this alignment process. This group is currently comprised of six stakeholders that have experience as faculty members in agricultural education and are also familiar with the AFNR standards.

According to Dr. Dee Jepsen, Associate Professor, State Agricultural Safety Leader, The Ohio State University, "As a facilitator of the Curriculum Alignment Advisors, we have brought together national academic leaders in agricultural education from The Ohio State University, University of Florida, Utah State University, and Cal Poly - San Luis Obispo. The vision and forward thinking of this committee will truly shape the function and sustainability of the SAY National Clearinghouse."

The SAY National Clearinghouse will be looking for both formal curricula and other supporting resources that have some alignment with the AFNR Career Cluster Standards. A formal curriculum refers to material that:

- 1) Has learning goals or objectives that are clearly stated
- 2) Subject matter content supportive of learning goals or objectives
- 3) An evaluation component

Other supporting resources refers to more individualized resources such as technical fact sheets, video clips, a PowerPoint presentation, or other materials that lack one or more of the three elements of a formal curriculum. Both types of materials may be supportive of AFNR Career Cluster Standards and can be valuable educational materials for youth agricultural safety and health.

The SAY project also encourages the submission of Spanish language educational materials. A bilingual educator (Spanish/English) from Penn State Extension will review Spanish language resources and programs for potential inclusion in the SAY National Clearinghouse. Potential curricula and programs may need to be translated back into English in order to be aligned to the AFNR standards using the alignment rubric.

The final version of the curriculum alignment submission is anticipated in October 2014, at which time authors of educational resources are encouraged to submit their materials for review and possible inclusion in the SAY National Clearinghouse.

## SAY Curriculum Alignment Submission Tool (CAST)

To submit materials into the SAY Curriculum Alignment Submission Tool (CAST), navigate to:

<https://www.extension.org/pages/70004/safety-in-agriculture-for-youth>

The CAST will require submitters to self-assess the degree of alignment between their curriculum or other supporting resources and AFNR Career Cluster Standards. Detailed submission instructions will be located on the website. All submissions will be reviewed for completeness of the application and confirmation of degree alignment.

The screenshot shows a web-based form titled "Curriculum Alignment Submission Tool (CAST)". The form includes fields for Name of Submitter, Name of Organization, Email Address, Phone, Title of Educational Resource, and a section for describing the resource. It also includes a list of options for formal curriculum vs. other supporting resources and checkboxes for format (Hard Copy or Online/Electronic). A large text area is provided for a detailed description of the submitted resource, and a "">>> button is at the bottom right.

Name of Submitter: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Title of Educational Resource: \_\_\_\_\_

Name of Submitter:

Formal Curriculum - A Formal Curriculum refers to material that: 1) has learning goals that are clearly stated; 2) subject matter content supportive of the learning goals or objectives; and 3) an evaluation component.

Other Supporting Resource - Other Supporting Resources refer to more individualized resources such as technical fact sheets, video clips, a PowerPoint presentation, or other materials that lack one or more of the three elements of a Formal Curriculum.

Check the format(s) of the Curriculum/Other Resources that you are submitting:

Hard Copy

Online/Electronic

Please describe in a sentence or two the Curriculum/Other Resource being submitted:

>>

## Why is Safety in Agriculture Important? continued from page 1

Lacking knowledge of safety regulations and personal safety practices at all experience levels puts oneself and other employees at serious risk of debilitating injury or fatality. By developing students' knowledge and awareness of safety in real occupational settings, we can begin to stop, and prevent, unsafe habits and practices from forming while giving young workers a sense of independence and control over their own personal safety.

Efforts to improve safety and health in agriculture has been a collaborative effort connecting businesses, organizations and institutions, health and safety professionals, and the agricultural community with a common goal dedicated to increasing and promoting awareness of safety and health risks in the industry. As a collective group, advocating for young worker safety in agriculture can begin as a proactive way to educate youth entering the workforce and may already be working at home.

There is always a possibility of an accident that leads to injury or death in the workplace. The agriculture industry is no different. By identifying the main hazards and risks to workers young or experienced, we can assess them and begin to take necessary actions to control and limit these risks. With the 2014 National Farm Safety and Health Week upon us, the month of September is a reminder to be mindful of the risks and hazards that are present in the agriculture industry, and an even greater time to keep the momentum moving forward with the SAY project.

## Forthcoming SAY Projects & Updates

The SAY project is well underway with lots of exciting developments and updates approaching this year. Be on the look out for the next SAY newsletter that will include important updates on the following:

**Instructor-led OSHA 10-Hour General Industry (Agriculture):** Ohio State University is currently developing an instructor-led OSHA 10-Hour General Industry (Agriculture) curriculum. The instructor-led course will consist of an instructor manual containing PowerPoint slides, lesson plans, and additional classroom materials.

**Risk Assessment Protocol and Practices:** Establishing a risk assessment protocol for developing supervision strategies and guidelines for formal secondary agricultural education students' Supervised Agricultural Experience project is in its first phase of development. A supervised agriculture experience, or SAE, is an experiential learning component of the School Based Agricultural Education program. The goal of the project is to develop a holistic risk assessment protocol/tool for teachers, students, employers, or parents to utilize when they are planning and supervising student SAE's related to agriculture.

## agr Agricultural Events 2014-2015

The SAY project has collected a list of agriculture-related events for the 2014-2015 school year. We invite each and every one of you to participate and promote safety and health awareness for the agriculture community.

**National Farm Safety and Health Week**

September 21st - 27th, 2014

**Johnny Appleseed Day**

September 26th, 2014

**World Food Day**

October 16th, 2014

**National FFA Convention and Expo**

October 29th - November 1st, 2014

## Get Involved

To stay up-to-date on the SAY project and its objectives, sign up for alerts by subscribing to:

**[SAY-L-subscribe-request@lists.psu.edu](mailto:SAY-L-subscribe-request@lists.psu.edu)**

Join our social networks for regular updates, relevant news, or exciting opportunities.

 @AgSafety4u     @AgSafety4u