In the United States, more than 2 million youth under the age of 20 years are exposed to agriculture production related hazards, which is among the country’s most dangerous industries. Reducing the risk of injury or death for these young people is the goal of a new project aimed at developing a coordinated national approach to youth farm safety education.

Led by safety experts at Penn State’s College of Agricultural Sciences, the Safety in Agriculture for Youth (SAY) Project will serve as an umbrella for curricula, programs, activities, and expertise across the country, with an eye toward increasing safety and health knowledge and reducing hazard and risk exposure to youth on farms and ranches. The two-year project is supported by a grant from the U.S. Department of Agriculture’s National Institute of Food and Agriculture. The project brings together experts from Penn State University, Ohio State University, Utah State University, University of Kentucky, and CareerSafe Online. The long-term goal of the project is to develop a sustainable and accessible national clearinghouse for agriculture safety and health curricula for youth, including the project objectives listed below. Read more.

**Alignment of Safety Resources to National Educational Standards**
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. Read more.

**OSHA 10-Hour General Industry (Agriculture) Training Course**
The OSHA 10-Hour General Industry (Agriculture) training course will meet national and industry recognized credential qualifications set by OSHA and translate to the agricultural workplace. CareerSafe will launch an online version in the 2014-2015 academic year. Ohio State University will create an instructor-led curriculum. 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.

**Risk Assessment Protocol & Practices**
The successful development and implementation of a risk assessment protocol for guiding rural agricultural employers in supervision and safety guidelines for youth to work in developmentally appropriate jobs with supervision, training, and opportunities for career advancement within the agriculture industry. Read more.

**3D Farm Safety Virtual Learning**
The SAY project is set to develop an immersive 3D virtual learning activity geared toward youth, ages 13 to 15. The activity will feature a virtual field trip involving hazards commonly experienced by youth. Read more.

**How Can You Get More Involved?**
To stay up-to-date on the project and its objectives, sign up for alerts by subscribing to:
SAY-L-subscribe-request@lists.psu.edu
Join our social networks for regular updates, relevant news, or exciting opportunities.

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t @AgSafety4u
In the United States, more than 2 million youth under the age of 20 years are exposed to agriculture production related hazards, which is among the country’s most dangerous industries. Reducing the risk of injury or death for these young people is the goal of a new project aimed at developing a coordinated national approach to youth farm safety education.

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The long-term vision is to develop a sustainable and accessible national clearinghouse for agricultural safety and health curricula for youth, according to project leader Dennis Murphy, Nationwide Insurance Professor of Agricultural Safety & Health at Penn State.

The project is designed to connect and enhance existing educational resources, create a centralized location for relevant training and safety materials, and raise awareness, access to and utilization of farm safety materials by youth.

"This national collection of resources must be sensitive to all types and scales of production agriculture and to all ages and experience levels of target audiences," Murphy said. "It also must include parents and other educators, must be culturally appropriate, and must be useable in both formal [school] and nonformal [home and ag industry] educational settings."

The national steering committee will provide oversight and direction and will engage partners such as the Department of Education, the Department of Labor, FFA, Farm Bureau, Farmers Union, the Ag Safety and Health Council of America, and the National Council for Agricultural Education.

For more information about the SAY Project or how you can get involved, please visit: www.eXtension.org/agsafety.
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 rate alignment of these educational resources to the National Agricultural, Food, and Natural Resources (AFNR) – Career Cluster Standards (CS). The SAY Clearinghouse (page 2 of this newsletter) 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.

"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 Clearinghouse," according to Dr. Dee Jepsen, Associate Professor, State Agricultural Safety Leader, The Ohio State University

The four main objectives of this committee are to:

1. Develop a rubric by which educational resources will be compared to the Agriculture, Food and Natural Resources (AFNR) - Career Cluster Standards (CS)
2. Pilot test the rubric with four to five existing educational resources
3. Develop a procedure/recommendations for categorizing resources in the SAY Clearinghouse
4. Organize exam items and establish a methodology to provide uniform testing procedures that can be utilized by instructors

The SAY project 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 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 alignment rubric is anticipated by early fall 2014, at which time authors of educational resources are encouraged to submit their materials for review and possible inclusion in the SAY Clearinghouse.
OSHA 10-Hour General Industry (Agriculture) Training Course

Small and family agricultural operations often recognize the value of safety training but have access to few outlets for training resources specific to their operation. There is a significant gap in opportunities to provide worker training programs that meet both industry and small farm safety needs. Youth seeking employment in agricultural occupations would especially benefit in increased awareness of hazard identification, injury prevention, and worker rights from this type of specialized outreach training program.

In industries other than agriculture, the Occupational Safety and Health Administration (OSHA) is an agency that assumes safe and healthful working conditions by setting and enforcing standards and by providing training, outreach, education, and assistance. OSHA industry training programs are designed to increase workplace safety awareness and compliance; the benefits of a training program are immediate in that participants learn how to recognize hazards and prevent injuries.

Due to the unique attributes of an agriculture workplace, components from both the OSHA General Industry and Construction Industry programs apply. OSHA does not currently have an Agriculture Industry training program, but the OSHA 10-Hour General Industry (Agriculture) course will meet national and industry recognized credential qualifications set by OSHA and translate to the agricultural workplace.

CareerSafe will launch in the 2014-2015 school year an online OSHA 10-Hour General Industry (Agriculture) training course. CareerSafe, through interactive online training courses, teaches young workers how to reduce the risks associated with workplace hazards while providing useful information that will prepare young men and women for a safe and prosperous future in their chosen career. CareerSafe is the leading provider of online OSHA 10 Hour courses by volume and the only program with a focus on training young men and women in the 16 to 24 year old age group.

Ohio State University will create an instructor-led OSHA 10-Hour General Industry (Agriculture) curriculum. The instructor-led course will consist of PowerPoint slides and an instructor manual containing lesson plans and additional classroom materials. For the past six years, Ohio State University has incorporated OSHA-related training programs into formal and non-formal education programs.
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

Information: http://www.extension.org/pages/70004/safety-in-agriculture-for-youth

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

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…” Age vs Competence in the Workplace
10:00 - 10:15 am
Break
10:15 - 11:15 am
Making the Time to Teach Ag Safety: Formal vs Non-Formal Education
Teaching Resources
Future Directions & Recommendations
11:15 - 11:45 am
Steering Committee Luncheon (By Invitation Only)
12:00 - 3:00 pm

Participant Registration Rates

<table>
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<tr>
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<th>Daily Rate</th>
<th>Full Conference On-Site</th>
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<td>By September 12 $100</td>
<td>By October 17 $120</td>
<td>By October 17 $60</td>
<td>By October 17 $150</td>
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</tbody>
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The Pennsylvania State University
204B Agricultural Engineering Building
University Park, PA 16802-1909

T: 814.865.2808
www.eXtension.org/agsafety
Virtual Worlds (eXtension Virtual 3D) brings Cooperative Extension education to life in immersive and interactive learning environments in social virtual worlds. The SAY project is set to develop an interactive 3D farm safety virtual learning activity geared toward youth, ages 13 to 15. The activity will be accessed using a computer (desktop or notebook) and a high-speed Internet connection. The content will feature a virtual field trip with embedded quests, simulations, and games involving agriculture hazards commonly experienced by youth. The student will interact with other objects around him or her using an avatar (a personal representation of oneself).

The activity will be designed to function as a self-guided tour that will show three basic farm hazards commonly involved in youth fatalities: tractor run-overs, equipment entanglements, and grain bin entrapments. The activity will model preventive actions, unsafe actions, and injury outcomes.

“The project will explore the potential of immersive 3D to capture the interest of young people learning about agricultural workplace safety. Using the latest in 3D virtual reality technology, such as the Oculus Rift and the Unity game engine, SAY will be positioned on the intersection of experiential learning and games for education,” explains LuAnn Phillips, Virtual Worlds Specialist. eXtension is exploring the use of online 3D environments as a way to expand reach to new audiences, engage learners more deeply, and teach in ways not possible in the physical world.
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. It can be anything from raising livestock at your school farm or at home, teaching young kids about agriculture, working at a feed store, and many others. There are four types of SAE projects, including entrepreneurship (own livestock, own lawn mowing company), placement (work for someone), agriscience research (conduct agriculture research), or exploratory (basic exploration into agriculture careers).

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. Thus far, teachers in agricultural education from across the country have completed a national survey to identify several things including: 1) agriculture teacher professional development needs in terms of student safety applicable to SAE; 2) the number of injury incidents that have occurred within the last 3 years during SAE; 3) agriculture teachers’ emergency response training; and 4) teachers’ beliefs about what work tasks agriculture students should be allowed to complete alone. These tasks could include operating a tractor over 20 PTO horsepower or operating an auger.

In the future, there will be integration with the National Children’s Center for Agricultural Health and Safety (CCRAHS) Safety Guidelines for Hired Adolescent farm workers within national SAE curriculum. This curriculum will be designed to encourage agriculture instructor dialogue with the agriculture community, students, and parents to implement SAE supervision and safety guidelines that are centered on developmentally appropriate task analysis. “As an educator and former high school agriculture teacher - I believe we have the responsibility to adolescents that we teach and supervise...to educate them about the risks involved with agriculture, but to also teach them about the safety that comes along with working in this industry,” explains Rebecca Lawver, Assistant Professor of Agricultural Education at Utah State that is working on this project. “I believe we are taking the necessary steps with this piece of the project, to bring an awareness of safety and risk assessment to school-based agricultural education, particularly with the SAE component, where we can continue to have a proactive approach to student safety and experiential learning.”

The project is currently in the data analysis phase of the national data and will be submitting a poster to the Western Region AAAE conference.