Farm and Ranch eXtension for Safety and Health

**SAY WHAT? – A NEW LOOK FOR FARM SAFETY EDUCATION**

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Goals of Today’s Session:

• Background of Agricultural Hazardous Occupations Order and Youth Farm Safety and Education Certification efforts

• Review the current status of the Agricultural Child Labor Regulations (AgHOs)
  – Stakeholder Inputs

• Explain key objectives of the SAY project

• Questions/discussion
Background

• Agricultural Hazardous Occupations Orders (AgHOs)-
  – US DOL FLSA of 1938

• Changes in workforce & societal expectations
  – US DOL/USDA collaboration

• Youth Farm Safety and Education Certification – YFSEC

• Hazardous Occupations Safety Training in Agriculture HOSTA
Overview of Regulations: Agricultural Hazardous Occupations Order (AgHOs)

• Since 1968, the U.S. Department of Labor has declared 11 areas of agriculture to be hazardous for youth younger than age 16.

• With certain exemptions, youth under 16 years of age CANNOT work for hire doing these 11 tasks.
Types of Exemptions

• Youth are exempt if:
  
  – Employed by their parents or legal guardian.
  
  – Student learner exemption: enrolled in a agricultural education course and employed as a student learner.
  
  – Successfully complete a training program
    • 14 & 15 year olds can be exempt from certain portions of the law. AgHOs 1 & 2: agricultural tractors & specific types of farm machinery.
Youth Farm Safety and Education Certification Program

• Developed to support national efforts to deliver timely, pertinent, and appropriate training to youth seeking employment or are already employed in agriculture.
  – Collaborative efforts between US DOL/USDA
  – Innovative delivery of training & certification programs to meet AgHOs’ training requirements
HOSTA
Hazardous Occupations Safety Training in Agriculture

• Initiative to financially support land-grant universities in developing current, consistent, and evidence-based curricula to address AgHOs’ certification training requirements.

National Safe Tractor & Machinery Operation Program (NSTMOP)
Sept 1, 2011
Department of Labor Proposed Changes to the Child Labor Laws and How Laws Would Affect Young Ag Workers

- Generated over 10,000 public comments – mostly from agriculturalists that didn’t understand the exemption.
- *Was revoked without action.*
- *From this activity evolved an opportunity to improve the current training materials with the understanding that various stakeholders needed to work together for a successful outcome.*
Stakeholder Listening Sessions

- Winter of 2012
- Webinar and written comments
- 190 comments
  - Identified important gaps
Stakeholder Input

• Concern over lack of comprehensive educational and training curricula

• Need for youth farm safety curriculum
  – Ecologically sound
  – Developmentally appropriate
  – Innovative
  – Time relevant
  – Exceeds minimum requirements of AgHOs’
Stakeholder Input

• Evaluation tools
  – Go beyond standardized testing
  – Reliably assess gains in:
    • Knowledge
    • Skills
    • Behavior
    • Readiness to perform agricultural work
Stakeholder Input

- Vulnerable populations
  - National youth safety curriculum in Spanish
  - Easily accessible
  - Contains train-the-trainer materials
  - Effective strategies to engage migrant workforce
Stakeholder Input

• Partnerships & collaborations with
  – Associations, schools & organizations implementing farm safety programs
  – Parents, health community/educators, farm worker organizations, local farm/ranch organizations, Cooperative Extension, FFA, 4-H, and other agricultural organizations and groups.

Communities
By: Mrs. Thaune's Class
Safety in Agriculture for Youth

SAY
SAY Vision

• Develop a sustainable and accessible national clearinghouse for agricultural safety & health curriculum for youth.
  – Multiple programs/projects/activities that:
    • Increase safety & health knowledge and
    • Reduces hazard and risk exposure to youth on farms and ranches.

• 9/1/13 – 8/31/15
Project Team Partners

PENN STATE

Cooperative Extension
College of Agricultural Sciences

CareerSafe®
SAFETY EDUCATION FOR AMERICA’S FUTURE

Utah State University
SCHOOL OF APPLIED SCIENCES, TECHNOLOGY & EDUCATION

University of Kentucky
College of Agriculture, Food and Environment

The Ohio State University
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

SAY - Safety in Agriculture for Youth
Basic plan

1. ID existing resources
2. Centralized access
3. National marketing & outreach strategy

Target audience

• Educators - Youth formal education
• Educators - Youth non-formal education
• Parents and other adults
Specific Aim 1

• Engage stakeholders to identify curriculum and testing gaps, certification needs, and industry recognized credentials.
Organizational Structure

Project Team
- Penn State
- CareerSafe, LLC
- Ohio State
- University of Kentucky
- Utah State University

Stakeholder Groups
- Content Identification
- Curriculum Alignment
- Marketing
- Outreach

National Steering Committee
- Ag Safety and Health Council of America
- National Children’s Center
- National FFA Organization
- USDA-NIFA (4-H, eXtension.org)
- Agri-Safe Agency (Insurance)
- American Farm Bureau Federation
- National Farmers Union
- OSHA Training Institute & Educational Centers
- National Council for Agricultural Education
- National Association of Agricultural Educators
- American Association for Agricultural Educators
- Purdue University
- National Center for Farmworker Health
- NIOSH Ag Centers

SAY - Safety in Agriculture for Youth
## National Steering Committee

<table>
<thead>
<tr>
<th>Organization</th>
<th>Representative</th>
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<tbody>
<tr>
<td><strong>Agricultural Safety and Health Council of America (ASHCA)</strong></td>
<td>Barbara Lee</td>
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<tr>
<td>National Children’s Center</td>
<td>Barbara Marlenga</td>
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<td>National FFA</td>
<td>Jim Armbruster</td>
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<td>USDA-NIFA/4-H</td>
<td>Lisa Lauxman</td>
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<td>Agri-Services Agency</td>
<td>Jan Klodowski</td>
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<td>American Farm Bureau Federation</td>
<td>Marty Tatman</td>
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<td>National Farmers Union</td>
<td>Brittany Jablonsky</td>
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<td>US Department of Labor-OSHA</td>
<td>Hank Payne</td>
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<td>National Council for Agricultural Education (NCAE)</td>
<td>Jim Flowers-NC State</td>
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<tr>
<td>National Association of Agricultural Educators (NAAE)</td>
<td>Alissa Smith</td>
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<td>American Association for Agricultural Educators (AAAE)</td>
<td>Kirby Barrick</td>
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<tr>
<td>Purdue University</td>
<td>Bill Field</td>
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<td>National Center for Farmworker Health</td>
<td>Roberta Ryder</td>
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<td>NIOSH Ag Centers</td>
<td>Aaron Yoder</td>
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Stakeholder Groups

1. **Content Identification** – will help identify possible educational products
2. **Curriculum Alignment** – assess alignment between youth safety programs and Career Cluster Standards
3. **Marketing** – devise methods and opportunities for spreading the word about the new clearinghouse and curriculum
4. **Outreach** – identify the best way to reach each potential audience
Curriculum Identification Stakeholder Group

• National Steering Committee will fulfill this role.
• Attempt to identify the widest range of potential curriculum material
  • And gaps in current curricula's
• Will develop procedures for submitting curricula and other educational resources.
Specific Aim 2

- Formally identify all safety and health curricula for agricultural youth that possibly align to current nationally recognized core competencies and learning objectives/outcomes.
- Aligns with AFNR Career Clusters Standards (CCS) for a unified approach to a national farm safety education/curricula-certification program for youth.

www.ffa.org/thecouncil/Documents/finalafnrstandardsv324609withisbn_000.pdf
Curriculum Identification

• Curriculum that meets recognized standards will have:
  – Written objectives that could relate to one or more of the AFNR Career Cluster Skills Performance Indicators
  – Learning content and/or activities consistent with the written objectives.
  – Evaluation tools (methods) in place.
  – Will be available to others.

• Email Dave Hill deh27@psu.edu
Curriculum Evaluation Tools

- LifeKnowledge and Cluster Skills Standards (CS) and Eight Pathways
- Pathway Content Standard-Broad area of Knowledge
- Performance Elements-Major topical area within each pathway
- Performance Indicators-knowledge or ability student should possess
- Measurements-measurable activities to meet Performance Indicators
  - Level 1-3
Pathways

• LifeKnowledge and Cluster Skills Standards
  1. Agribusiness Systems
  2. Animal Systems
  3. Biotechnology Systems
  4. Environmental Service Systems
  5. Food Products & Processing Systems
  6. Natural Resource Systems
  7. Plant Systems
  8. Power, Structural & Technical Systems
**AFNR Career Cluster Standards**

**Career Cluster Skills: CS-Lifeknowledge and Cluster Skills**

CS Cluster Content Standard: The student will demonstrate competence in the application of leadership, personal growth and career success skills necessary for a chosen profession while effectively contributing to society.

**CS.06 Performance Element:** Examine the importance of health, safety, and environmental management systems in organizations and their importance to performance and regulatory compliance.

**CS.06.01 Performance Indicator:** Observe required regulations to maintain/improve safety, health and environmental management systems.

**CS.06.01.01.a** Examine major health, safety, and environmental management system components in AFNR organizations.

**CS.06.01.01.b** Identify the benefits of improved health, safety, and environmental performance to AFNR organizations in current geographical area.

**CS.06.01.01.c** Assess how AFNR organizations promote improved health, safety, and environmental performance and suggest plans for improvement.
Project Objectives

• Establish protocol for development of a pool of exam items for AgHO’s
  – Curriculum Alignment Advisors will determine
    • Aligned to AFNR Cluster Skills
  – Consistent assessment of student’s knowledge
Marketing: Specific Aim 3

Create a centralized location through the Farm and Ranch eXtension Safety and Health (FReSH) CoP of relevant materials that can be used in both formal (school) and non-formal (home and ag industry) settings.

www.extension.org/agsafety

Safety in Agriculture for Youth (SAY Project)
Outreach: Specific Aim 4

• Develop a national outreach strategy to promote awareness and utilization of curriculum
  – Diverse stakeholder audiences

• Model for self-sustainment
Poll Time
Project Objectives
Curriculums to be Developed

• OSHA-approved 10 hour classroom based youth ag safety & health course

• OSHA-approved 10 hour web-based youth ag safety & health course

THE OHIO STATE UNIVERSITY
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SAY - Safety in Agriculture for Youth
Project Objectives

• Establish a risk assessment protocol for developing supervision strategies and guidelines for formal secondary experiential learning activities (i.e. SAE’s)

• Develop 3D virtual learning environment to teach farm safety hazards to youth ages 13-15.
Questions?