**Developing Teaching Modules to Compliment Curricula**

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**BELAA**

- Funding: USDA NIFA
- PI: University of Nebraska
- Co-PI: Montana State University
- Co-PI: Young Farmer’s Educational Association
- Advisory committee and mini-grant partners

**BELAA**

- Premise – new and beginning producers, should not be hindered because of fear or lack of knowledge of environmental issues
- Audiences – all beginning farmers and ranchers
  - however, today we focus on young adults and secondary/postsecondary students

This presentation is archived at:
http://www.extension.org/pages/21819/chronological-webcast-archive
Broad Set of Products

• Live trainings and presentations with NYFEA partners
• Presentations and workshop to/with fellow BFRDP awardees
• Web-based modules for use in HS, collegiate, young adult aged classroom contexts, and professional development

Complimenting Curricula

• Curricula, teaching standards, and lesson plans already exist
  – Ag teachers less confident in teaching environmental topics
  – Materials designed as drop in modules
  – Current real-world scenarios related to environmental management of livestock and poultry

Module Format

• Brief narrative
• Editable companion ppt
• References
• Quiz questions and assignments
• Debate and discussion questions
• Larger project suggestions
• Video-clips
• Example job and career list

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Available Modules

- Manure Management 101
- Developing an Environmental Policy Statement
- Water Quality Regulations
- Greenhouse Gases
- Managing Manure Nutrients
- Small Scale Poultry Production
- Small Scale Sheep & Goat Production
- Carcass Management

AFNR – Career Cluster Content Standards

- By the National Council for Agricultural Education
- Principles or competencies for development of agricultural curricula and teaching standards
- Coded reference system
  - Recognizing this system and cross-referencing was purposeful

AFNR – Career Cluster Content Standards

- AFNR Life Knowledge and Cluster Skills, plus eight pathways, such as:
  - Agribusiness Systems
  - Animal Systems
  - Environmental Service Systems
  - Natural Resource Systems
Example

• 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.06.02. Performance Indicator: Develop a plan to maintain and improve health, safety and environmental compliance and performance.
  – CS.06.03 Performance Indicator: Provide health, safety, and environmental operating guidelines.

Example

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Conclusions

• Robust materials ready for deployment
  – Publicly available
• Ag Ed teachers seemed very interested in “real-world” modules
• Additional marketing needs to be done
• Additional modules could be developed with support

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