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Today’s Discussion

- Secure Pork Supply (SPS) Plan
  - How SPS fits into the disease response
  - The components
    - Biosecurity
    - Traceability
    - Surveillance (Disease Monitoring)
Secure Food Supply Plans
Movement from Premises with No Evidence of Infection

  - Foot and Mouth Disease (FMD)
  - Movement of milk
  - FMD, Classical Swine Fever, African Swine Fever
  - Movement of animals
  - FMD
  - Movement of animals

All funded by USDA APHIS
*Funding also provided by the Pork Checkoff

Foreign Animal Diseases in U.S.
Response guidance for State, Federal Officials

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USDA FAD Response Plan

- Establish FAD Control Area
  - Movement by permit, only, based on risk
- Secure Food Supply Plans working on business continuity for affected, not infected premises

Managed Movement

Day 1 of an outbreak
- Stop movement
  - No new movements initiated from FAD Control Area
- Animals already in transit need to land somewhere
  - Continue on to their destination
  - Return to site of origin
  - Handled somewhere in between
- Producers may need to manage their animals without moving them for several days to weeks
Managed Movement

- Movement resumes
  - Enhanced Biosecurity
  - Surveillance
  - Movement Permits

Movement Permits

- Permits may be required for all movements onto, off of premises during the outbreak
- Officials need to balance the risk:
  - Allowing live animal movement and possibly spreading the disease vs.
  - Welfare ramifications of not allowing animal movements
Secure Pork Supply Plan
(Funded by USDA APHIS VS and Pork Checkoff)

Provide a business continuity plan for pork premises that are **affected** by movement controls but not **infected** with FMD, CSF, or ASF

Secure Pork Supply Plan

- **Guidance**
- **Collaboration**
- **Voluntary**
- **Funded by USDA and Pork Checkoff**
- **Resources**

[Online resource: www.securepork.org]
Biosecurity
Protecting Your Pigs

UK farmers with good biosecurity procedures were **5 times** less likely to become infected

*Unpublished research: Carlisle Epidemiology Team, DEFRA UK 2001 Outbreak*

Biosecurity

Four concepts emphasized

1. Biosecurity Manager
2. Written site-specific biosecurity plan
3. Defined Perimeter Buffer Area
4. Defined Line of Separation
Biosecurity Manager

- Understand infectious diseases and production animal agriculture, familiar with facility
- Use the Self-Assessment Checklist and Information Manual for Enhanced Biosecurity
- Write site-specific biosecurity plan (with the assistance of the herd veterinarian)
- Responsible for employee training
- Ensure compliance on the site
SPS Plan: Biosecurity

Create a site-specific biosecurity plan
• Explain how site meets all biosecurity measures listed in checklist

Perimeter Buffer Area (PBA)
• Established around all animal buildings serving as an outer control boundary to minimize contamination near the buildings
• Enter the PBA only through a clearly marked and controlled PBA Access Point(s) following appropriate biosecurity measures
Line of Separation (LOS)

- Walls of the building housing the pigs
- People and items only cross the LOS through a clearly marked and controlled LOS Access Point(s) following appropriate biosecurity measures

Perimeter Buffer Area and Line of Separation
Traceability

SPS Plan: PIN

✓ Get PremIDs or PINs
  • Request from the North Carolina Department of Agriculture and Consumer Services-Veterinary Division
  • Include a valid 911 address, latitude and longitude

✓ Verify PIN is associated where the animals are located

✓ Associate the PIN with animal movements and diagnostic laboratory submissions
- Record animal movements
- Maintain a visitor logbook
- Be prepared to track movements onto the site
- Electronic records preferred
Secure Pork Supply Plan Overview

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Surveillance (Disease Monitoring)

Secure Pork Supply Plan Overview

NOT a public health or food safety concern

www.securepork.org
SPS Plan: Surveillance

Swine Health Monitors

- Caretakers trained recognize abnormal production parameters or clinical signs suggestive of FMD, CSF, and ASF
- Look for these parameters and clinical signs on a daily basis

FMD, CSF, and ASF Lesion Posters

Available in English and Spanish

www.securepork.org
Work with veterinarian to determine if caretakers are prepared to collect their own samples, if permitted.

www.securepork.org
Vaccine Availability

- **FMD and CSF**
  - Vaccine will not be immediately available, and will be in short supply when available

- **ASF**
  - No vaccine

Vaccination will not be a viable option for initial rapid control of these FADs in a large FAD outbreak

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**AgView**

- Integrates data from authoritative data sources into a single, easy-to-use, real-time common operating picture.
- Supports the entire emergency cycle: planning, preparedness, mitigation, response and recovery.
- Supports mission-specific business continuity planning.
- Enables seamless integration of collection, aggregation and analysis of data.

AgView Health Reports utilize applications across the collection of animal health and prevention data on health and risk animals across all establishments with identified protocols and approaches to animal health. The reports deliver actionable information to practitioners concerning animal health management and pandemic response to their region. Users can access, manage, and query reports and access analytical tools directly on their devices. Data from AgView Health Reports are brought into the AgView HealthView Application, where information is aggregated and integrated into an interactive, visual display. Once aggregated data may be shared according to established data sharing protocols, ultimately allowing epidemiologists at other locations to complete and analyze data in real-time, to increase detection and control of disease.