Steps Forward - Emerging Diseases
Discussion Topics

• NPPC Pork Forum Resolution
  – Disease Matrix
  – Emerging Disease Response
  – Strengthening the Borders
NPPC Forum Resolution

2.) A response plan to include:
   • Responsibilities of the government in surveillance and response (Federal, state and local)
   • Responsibilities of the industry organizations in surveillance and response (National, state and local)
NPPC Forum Resolution

- Responsibilities of producers and other segments of the pork chain in surveillance and response
- Coordinated Strategies of governmental and industry organizations to respond to and contain the identified disease. And in the event containment would not be successful, strategies to manage the existence of a given disease
- Strategies to strengthen the defense of the US Industry from potential introduction of given diseases
Lessons Learned from PED

- Communications channels were not previously identified and developed
- Authorities weren’t well understood
- Resources (scientific and human) weren’t previously inventoried and then sensitized to potential future needs
- No one central entity for coordination was in existence
Emerging Diseases Response Group

- Significant discussion around a structure that would fill the gaps identified with PED response
- Need to have coordinated federal-state-industry activities
  - US Swine Health Board concept
Objectives of US Swine Health Board

• Based on the successes from the PRV Control Board
  – Federal, state and industry cooperation

• Two roles:
  – Suggest actions to respond to known pathogens in other countries
  – Suggest actions to respond to identification of emerging diseases in the U.S.
    • Following an FADD investigation that would require regulatory action
Members of US Swine Health Board

- Pork producer leaders
  - NPB, NPPC, and ad hoc
- Swine Veterinarians
  - AASV president, practicing veterinarians
- Members of USDA Veterinary Services
- State Animal Health Officials
- Other experts will be brought in on an as needed basis
US Swine Health Board

• Options for recommendation(s) will be selected from lists of options
• Options defined prior to an outbreak, but an adaptive response will allow for selection of option(s) based on circumstances of the outbreak
  – Defined actions
  – Defined responsibilities
Dz Event

Vet Inspection

Consistent with FAD

FADD Investigation

Not consistent with FAD or Unknown

Submission to VDL
FADD Investigation

Submission to Plum Island

FAD – regulatory action

Submission to VDL

FAD Preliminary Positive

NOT FAD but unknown etiology with high morbidity and/or mortality (Not Intoxication)

Production Dz
NOT FAD but unknown etiology with high morbidity and/or mortality (Not Intoxication)

Syndromic Surveillance Report to SAHO + USDA + NPB, NPPC or AASV

New Dz
Emerging Dz

Production Dz

Report to vet/producer

Endemic Dz
USDA/SAHO and Industry deploy Emerging Diseases Rapid Response Team within 48 hours

NPB, NPPC, AASV information and resources

New Dz

Emerging Dz

Endemic Dz

Vet/producer Farm Level Actions

US Swine Health Board Review

US Swine Health Board Review
U.S. Swine Health Board Review

ESPĐ Outside U.S.

Develop Recommendations

No Response

Information from Rapid Response Teams to Type Outbreak

Type 1

Options Selected

Type 2

Options Selected

Type 3

Options Selected

U.S. Swine Board monitors progress, adjusts types and recommendations according to the situation.
Strengthening the Borders

- USDA pathways analysis
- NPPC funded project on inventory of
  - Products imported for use in pork production
  - Current official safeguards and authorities
  - Potential changes under FSMA
  - Current mitigations