TIME FOR REASSESSMENT:
TRANSITIONAL SWINE, ERADICATION PROGRAMS AND REGULATORY APPROACH

JOHN A. KORSLUND D.V.M.
SENIOR STAFF VETERINARIAN - SWINE
ASAAHC SPRS
U.S. DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
VETERINARY SERVICES
OCTOBER 17, 2016

Our Responsibility?
Who Do We Serve?

We’re Regulators....

Therefore....
Treat Them all the same...
Operations

NASS Census Data

1987
2012

Operations

1-99
100-999
1000+
Lots of producers

Inventory

NASS Census Data

1-99  100-999  1000+

1987 2012
Lots of pigs

Who Do We Serve?
We serve them both....
Pseudorabies Eradication
State-Federal-Industry
Program Standards

Effective November 1, 2003

Swine Brucellosis
Control/Eradication
State-Federal-Industry
Uniform Methods and Rules

The U.S. Department of Agriculture (USDA) provides disconnection in all its programs and activities on the basis of race, color, national origin, gender, age, religion, geographic line, political beliefs, sexual orientation, and disability (or because all or part of the above apply to all programs). Persons with disabilities who require alternative means for communicating information or assistance should contact the USDA's Targeted Assitance Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (202) 720-6382 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity employer and employer.

Issued April 1995

This publication supersedes APHIS (81-80-229), under the same title, issued originally in April 1990 and last revised in January 1995.
Status and Interstate Movement

Pseudorabies Stages in U.S.

As of Feb 2016

Risk Ahead
Traditional Transitional
PORTAIT
OF A FARMER

FARROW-TO-FINISH
FREE-RANGE PIGS
Confinement Swine

PRV-SB Testing Requirements Vary For At-Risk Pigs
Testing Assay Issues

Sensitivity-Specificity
Antigenic Dx Issues

- Limited to culture / FA
- Not well correlated with titers
- Select Agent issues
- PCR’s not validated
- WGS a reality-useful in epidemiology

Dx - Some Day...a Tricorder!
The Future is Now

Oxford Nanopore- nanoporetech.com/

Surveillance Issues
Commercial Sow-Boar?

Inventory

1987

1992

1-99

100-999

1000+

NASS Census Data

Where to Sample?

FOR SALE
HOGS - GOATS - EGGS
SE VENDE
PUERCO - CHIVOS
QUETA - HIEVO
Response Issues

- Depopulation favored by stakeholders
Off-Spring Status?

Indemnity Issues
VS Policy Under Review

![Image of scales with market values of pigs]

- American Guinea
- Hereford
- Large Black
- Malefoot
- Ossabaw
- Gloucestershire Old Spots
- Tamworth
- Red Wattle
We have rock star VMO’s!

feral pig sightings—red
hunting preserves—black
pastured pork operations—yellow

 Courtesy of Dr. Paul Pitcher

Final thoughts:
Final thoughts:

• Celebrate success

• Remember old lessons
Final thoughts:

• Celebrate success
• Remember old lessons
• Local knows best/ works efficiently

Final thoughts:

• Celebrate success
• Remember old lessons
• Local knows best/ works efficiently
• Tremendous young talent
John A. Korslund D.V.M.
VS Swine Team
U.S. Department of Agriculture
Animal and Plant Health Inspection Service
Veterinary Services SPRS ASAAHC

301-851-3468 / 515-851-8110

John.a.Korslund@aphis.usda.gov