

Using science to write policy to manage a One Health crisis

S Dee



Improvements in swine herd biosecurity reduce the incidence risk of porcine reproductive and respiratory syndrome virus in breeding herds in the Midwestern United States

Scott Dee, DVM, PhD, DACVM¹; Lisa Brands²; Joel Nerem, DVM²; Adam Schelkopf, DVM²; Gordon Spronk, DVM²; Mariana Kikuti, DVM, PhD³; Cesar Corzo, DVM, PhD³; Karyn Havas, DVM, PhD, DACVPM¹

¹Pipestone Research, Pipestone, MN

²Pipestone Veterinary Services, Pipestone, MN

³College of Veterinary Medicine, University of Minnesota, Saint Paul, MN

*Corresponding author: Dr. Dee (scott.dee@pipestone.com)



Communication

Further Evidence That Science-Based Biosecurity Provides Sustainable Prevention of Porcine Reproductive and Respiratory Syndrome Virus Infection and Improved Productivity in Swine Breeding Herds

Scott Dee ^{1*}, Lisa Brands ², Roy Edler ¹, Adam Schelkopf ², Joel Nerem ², Gordon Spronk ², Mariana Kikuti ³ and Cesar A. Corzo ³

How does science live on?

- **Go beyond pigs and PRRSV.**
 - Who else can benefit?
- **Use science to write policy on the need for evidence-based biosecurity in veterinary medicine.**
 - Benefit all species (animals and humans) and all veterinarians.
 - Motivated by the “One Health” crisis.
 - HPAI H5N1
 - ASFV
 - PRRSV

Go big or go home!

- **American Veterinary Medical Association.**
 - The national veterinary organization of the US
- **>108,000 members.**
 - US states and territories
 - Allied organizations
- **Operates through policy.**
 - Develops guidance documents, educational materials
 - Speaks for all species



AVMA House of Delegates

- **The Congress of the AVMA.**
- **Consists of 140 delegates from:**
 - 50 US states
 - Territory of Puerto Rico
 - 18 allied industry groups
- **Delegates are nominated and elected.**
 - 8-year term of service



Process

- **Resolution authored.**
 - Scott
- **Submitted to MVMA.**
 - Board of Directors review and vote
- **Submitted for AVMA review and vote.**
 - Office the Executive VP
 - Board of Directors
 - Reference committee 7 (scientific activities)
 - House of Delegates



Outcome

- Resolution passed via unanimous vote.
- Written into policy.
- A “First of its kind” for the AVMA.



02383 - Biosecurity

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Diseases of animals can be transmitted in many ways, including direct and indirect oral, airborne, and vector borne routes of transmission

Because of these many risks, prevention of disease transmission through the practice of biosecurity is critical to protecting the health and welfare of all species.

To be effective, biosecurity programs should be, based on scientific evidence and current best practice(s) as applicable.

The AVMA supports the protection of the health and welfare of animals through the practice of science-based biosecurity and encourages its members to become familiar with this approach.



Policy directive

- AVMA website on biosecurity.
 - Biosecurity Library
 - Special Issue on “Biosecuring Animal Populations”
 - 19 papers across multiple species
 - >100 authors 25 countries/3 continents
 - Contacts
 - Informational websites
 - WABA website already included
 - Subject Matter Experts
- Current events
 - Global happenings



Closing comments

- **The concept and application of biosecurity has never been more important.**
 - We are in a true One Health moment.
 - The timing of WABA is perfect.
 - We are working together around the world!

- **We will use science to write policy in support of evidence-based biosecurity for both veterinary and human medicine.**
 - Policy is how scientific achievements will be remembered.
 - We will write history in real time.



**World
Animal
Biosecurity
Association**

