

A close-up photograph of a pig's face, showing its eyes, ears, and snout. The image is overlaid with a semi-transparent green filter.

# Accelerating Pig Health and Performance

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# Accelerate BOTH

- 3.5 PSY improvement on 7% of the US Swine Industry
- \$3 per pig Feed Savings on over 20% Pigs on Feed.

# Eradicate PEDV from the USA

- Is national eradication possible?
- What are the greatest limiting factors
  - Apathy
  - High prevalence in growing pigs
  - Lack of resources for cleaning

# Who is even working on this?

- AASV – Annual Meeting Debate and Task Force
- AASV – Task Force
  - (Yeske, Rotolo, Thomas, Zhang, Madsen, Batrell)
- NPB – Producer support (Odekoven, Rotolo)
- US SHIP – Government and Producer collaboration (USDA)

## ***WAIT THERE IS MORE***

- Immune Tools investigation and discussion - MLV
- Prevalence Identification
- Biosecurity practice evaluation

# Where do we BEGIN?

- Communication
  - Open debate, Regions and Bottlenecks
- Risk identification
  - Plant monitoring, Database reporting
- Evaluate tools
  - Vaccines, Cleaning
- Learn from others
  - Monitoba Eradication program

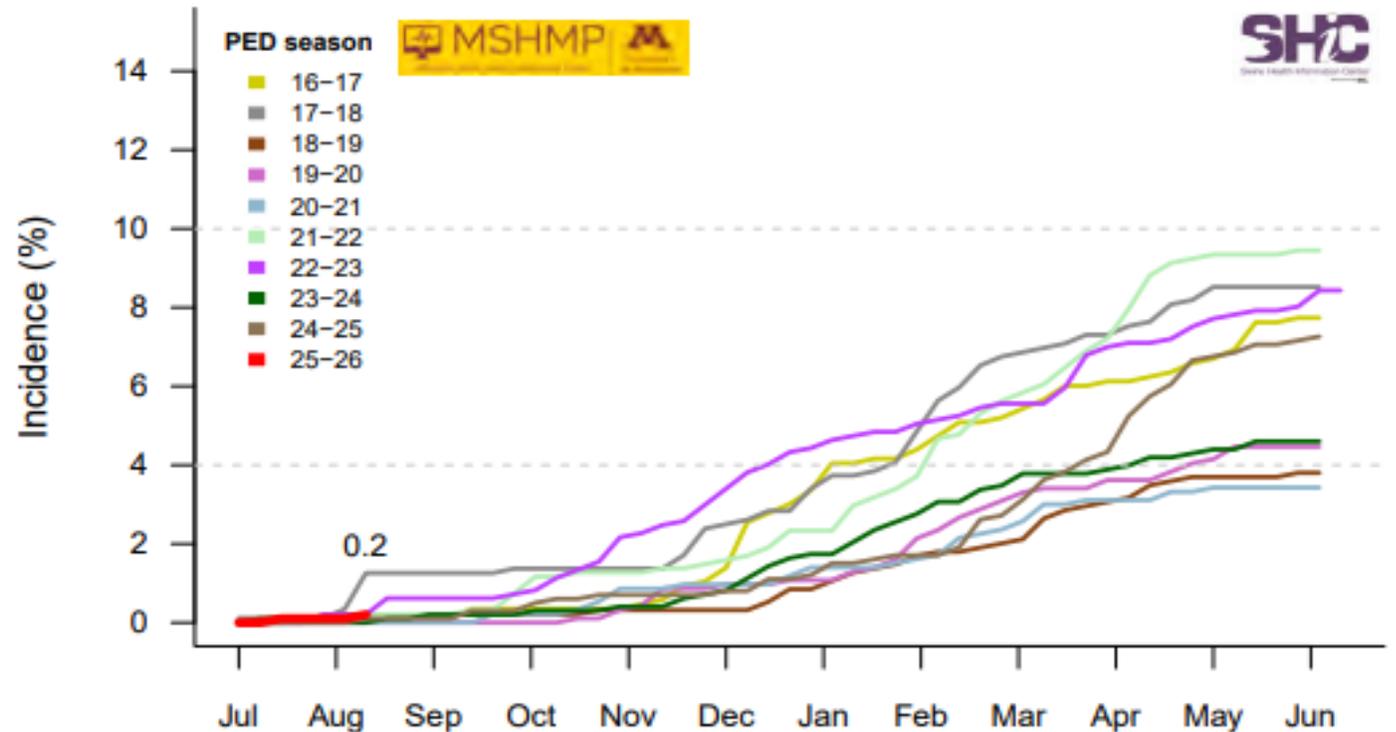
## But first - A review...

- Entered the US in fall of 2013 as an Explosion
- Dr Lee Schultz and Dr Glynn Tonsor 2015 budget model losses smaller than price increases
- Major losers in outbreak are of unequal impact
- Creates a malaise (cannot change it)

# Are my estimates even real?

- 5000 sow farm – NO PIGS for 6 weeks
- LOSE 17,300 pigs
- At \$45 pigs = \$778,500 GONE

That is the  
SMALL PART



# COST of PEDV

It is the FEED in the PIT

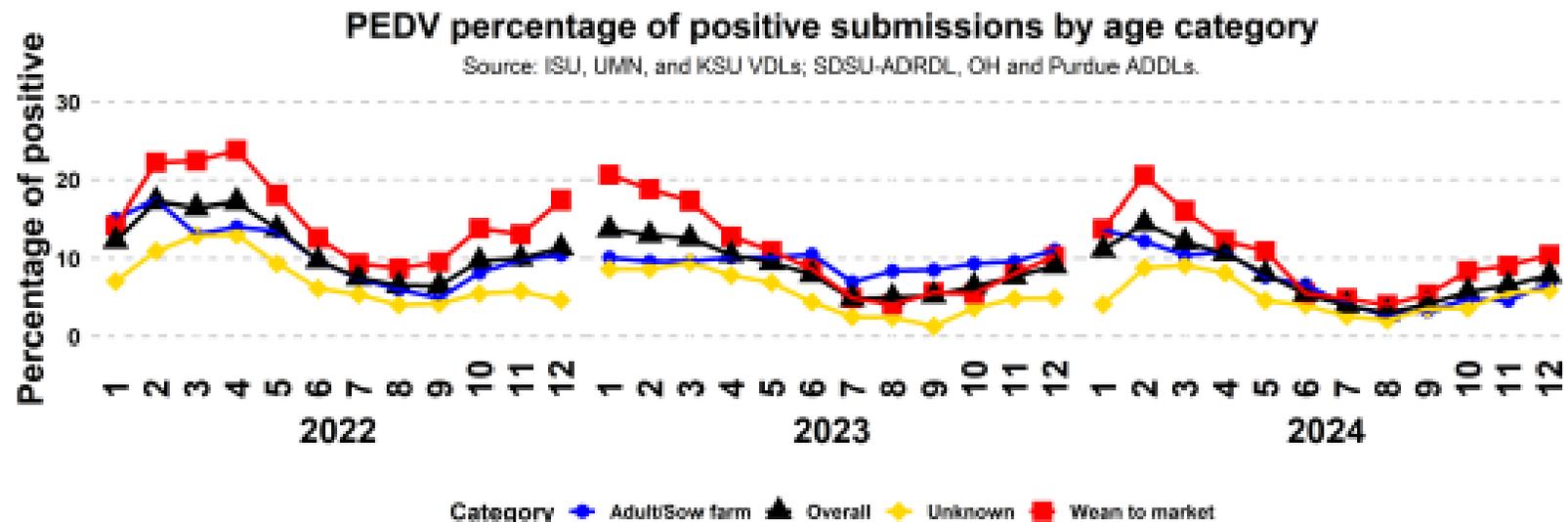
- 5 days of feed lost through the pigs
- 5 days of NO Growth

\$3 per pig

Jan-Mar can reach 20% of all WTM diagnostics  
Many systems do not test in WTM

# It's coming back from the plant

- SHIC studies on market haul transport
- SDRS Project Dx Lab reporting



# Hidden COSTS

- Ongoing challenges of Gilt Development
- Ongoing staff challenges of Outbreak Control
- Remember – when a naïve herd is impacted
  - ALL the piglets die for a month

# Hidden COSTS

- Operational challenges in herd flow and production
- Truckwash management
- Truck logistics and handling
  - Feeder pigs
  - Harvest truck traffic
- NEW considerations
  - “Staged” unloading at Harvest
  - Clean separate staffing for transport
  - Washed slaughter trucks

# Benefits of Elimination

- What we KNOW NOW
  - We know we can eliminate in tightly controlled areas
  - We know the value of gilts with live exposure
  - We know the cost of infection in growing pigs
  - We have MLV vaccine products in development
  - We have immune products in development

# Communication

- AASV Annual Meeting, E-letter, JSHAP
- University and Industry Meetings
- Company Strategic Planning
- Participate in US-SHIP Debate

# Immunity

- MLV vaccination investigation
  - August 2022 vaccine presentation
- Debate MLV placed growing pigs by region
- Further investigate value of immune products
- Debate industry risks with GDU and Sows

# STOP moving it around!

- Market Haul contamination
- Trailer investigation and reporting
- Identify opportunities for improved clean up

# To Be Specific: Where do we GO from HERE

- Communication
  - AASV - University and Industry Meetings - Company Strategic planning
- Immune Control
  - MLV vaccination - Published Aug 2022 Funded by Zoetis
  - Immune products - investigation
- Organized debate
  - US-SHIP

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**Thank You**



**CARTHAGE**  
VETERINARY SERVICE