

# Welcome!

The webinar will begin shortly.



**GlobalVetLink**  
Your Animal Health Compliance Assistant



# Updates for Production Animal Veterinarians

Wednesday, August 24<sup>th</sup> 12:00 p.m. CT

# Welcome

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Becca Haugland

Senior Marketing Manager

GlobalVetLink



# Webinar Recording Availability



A link to a recorded video of today's presentation will be sent to the email address that you registered with.



The recorded webinar will also be made available on GlobalVetLink's website.

# Housekeeping & Questions

- To minimize your control panel and see all of the page, click on the orange arrow at the top left corner of the control panel. Click it again to enlarge.
- To ask a question, type into the **[Enter a question for staff]** box on your control panel, click **[Send]** button.

# Continuing Education Credit

- This program has been approved for one (1) hour of continuing education credit in jurisdictions that recognize RACE approval.
- You must be present for at least **50 minutes to qualify**.
- CE certificates will be **sent within 2 weeks**.

# Agenda



- FDA Updates & Impact on VFDs
- Antimicrobial Regulation Changes & Impact on Prescriptions
- Foreign Animal Disease Preparedness & Importance of Electronic Movement Records
- US Swine Health Improvement Plan & Focus on Biosecurity, Traceability, and Surveillance
- Recap
- Q&A



# FDA Updates & Impact on VFDs

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**Michael D. Apley, DVM, PhD**

Professor, Veterinary Clinical Sciences,  
Kansas State University





## GFI #152 Appendix A

- Appendix A is the list of medically important antimicrobials developed by the FDA Center for Veterinary Medicine (CVM) in concert with the Center for Drug Evaluation and Research (CDER).
- GFI #152 was released in October of 2003.
- The World Health Organization (WHO) also has a list of antimicrobials important for human use, last updated in the 6th revision (2019)



## GFI #152 Appendix A

- Appendix A is very important because the ranking of an antimicrobial as important, highly important, or critically important has an effect on the conditions of use for which an antimicrobial may be approved as evaluated in GFI #152.
- One of the main issues of discussion is a disconnect between importance in human medicine and the potential for animal use to contribute to resistance in human medicine.



## GFI #152 Appendix A

- The FDA asked for input on the process for revising Appendix A through docket FDA-2020-N-1736, a concept paper entitled “Potential Approach for Ranking of Antimicrobial Drugs According to Their Importance in Human Medicine: A Risk Management Tool for Antimicrobial New Animal Drugs”.
- Multiple comments were received.
- A public meeting was held November 16, 2020.



## GFI #152 Appendix A

- No time frame has been publicly set for revision.
- One possibility is moving towards the rankings of the WHO list, which would move some current OTC in-feed drugs to a medically important status.



## Duration of Use

- In January of 2021, the FDA/CVM asked for comments on their concept paper for establishing a defined duration of use for current labels which have no duration of use.
- Comments were received through June of 2021.
- Studies have been funded by the FDA/CVM to evaluate durations of use for several medically important antimicrobials in feed.



## Duration of Use

- No response as of this date.
- There are potential effects on conditions of use for VFD drugs.



# Antimicrobial Use Monitoring

- Pilot projects in swine, turkeys, chickens, feedlot cattle and dairy cattle have been completed with final reports and publications pending.
- The Reagan-Udall foundation is exploring a public-private partnership for antimicrobial use data collection on behalf of the FDA/CVM.
- A report on their progress to date is available.
- It is possible that VFDs and prescriptions may be a mechanism for gathering use data (e.g., Maryland).





# VFD Grams/Ton Ranges

- In some cases, the drug label gives specific grams/ton ranges within which the VFD must be written.
- When not specified on the label, the g/ton inclusion rate on the label is 90% dry matter (“air dry”).
- There are labels where 100% dry matter is specified.
- Changes in drug labels may be accompanied by changes in g/ton ranges.



## VFD Grams/Ton Ranges

- The g/ton on the VFD may be entered as 100% dry matter, 90% dry matter, or as fed. The veterinarian should clarify how this is being entered if different than the label.
- However, if a g/ton range is specified on the label, the g/ton on the VFD must be within this range when expressed in the dry matter percentage of the label.
- Currently, a point of discussion is reasonable g/ton ranges for drugs with no g/ton range on the label.



# Thank you, **Dr. Apley!**

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## Questions?

Use the Questions box on control panel.

# Antimicrobial Regulation Changes & Impact on Prescriptions

**Patrick Gorden, DVM, PhD,  
DABVP, DACVCP**

Associate Professor, Vet Diagnostic &  
Production Animal Medicine, Iowa  
State University



#263

**Recommendations for Sponsors of  
Medically Important Antimicrobial  
Drugs Approved for Use in Animals to  
Voluntarily Bring Under Veterinary  
Oversight All Products That Continue to  
be Available Over-the-Counter**

**Guidance for Industry**

- Issued June 2021 – established 2-year timeline




# Part of FDA's Ongoing Action to Reduce Antimicrobial Resistance

- In April 2012, FDA issued GFI 209 to specifically address concerns of development of antimicrobial resistance in food animals and the threat of AMR on human health. Their goal was to:
  - (1) Limit medically important antimicrobial drugs to uses in animals that are considered necessary for assuring animal health, and
  - (2) Limit medically important antimicrobial drugs to uses in animals that include veterinary oversight or consultation.




## GFI 263 specifically addresses:

- 
- *“new animal drugs containing medically important antimicrobials for use in non-food (companion), food-producing animals, or both, that are currently approved with over-the-counter marketing status.”*
  - *“...to facilitate voluntary changes to the approved conditions of use of these drugs to prescription marketing status.”*
  - Impacts: “Medically Important” drugs - defined by FDA as all drugs listed as “critically important”, “highly important”, or “important” in Appendix A of GFI 152
    - FDA considers this list to be fluid.
  - And which currently remain as OTC status
    - <https://www.fda.gov/animal-veterinary/judicious-use-antimicrobials/list-approved-new-animal-drug-applications-affected-gfi-263>





# Medically Important Drugs on OTC List – from FDA website

- 
- Cephapirin (ToDAY®)
  - Cephapirin benzathine (ToMORROW®)
  - Penicillin G procaine/Dihydrostreptomycin (Quartermaster®)
  - Penicillin G procaine & Novobiocin (Albadry Plus®)
  - Penicillin G procaine
  - Penicillin G procaine & penicillin G benzathine
  - Oxytetracycline
  - Sulfadimethoxine
  - Tylosin




# Companion Animal Antimicrobials

- On February 15th, 2022, the FDA CVM requested comments on the use of antimicrobials in companion animals.
- The comment period has been extended to September 14, 2022.
- There are two cooperative agreements underway to pilot antimicrobial use data collection in companion animals.



# Questions?

- 
- 515-294-3096
  - [pgorden@iastate.edu](mailto:pgorden@iastate.edu)



# Thank you, **Dr. Gorden!**

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## Questions?

Use the Questions box on control panel.

# Foreign Animal Disease Preparedness & Importance of Electronic Movement Records

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**Chris Rademacher, DVM**

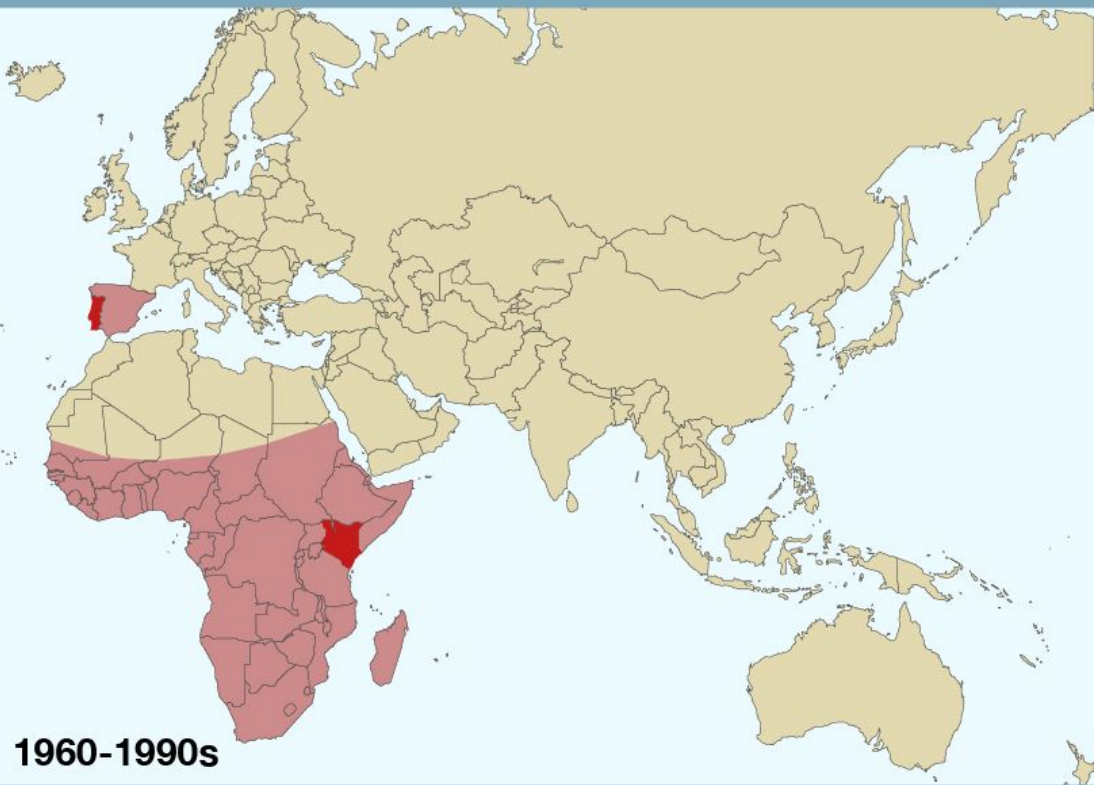
Swine Extension Veterinarian, Iowa  
State University



# Foreign Animal Disease Preparedness & Importance of Electronic Movement Records

- African Swine Fever (ASF) is racing across the globe
- Foreign Animal Disease (FAD) Preparedness is the key to early response and rapid recovery from the introduction of a FAD.
  - African Swine Fever
  - Classical Swine Fever
  - Foot and Mouth Disease
- Movement records are a key epidemiological tracing tool in detection of potential contact sites when the initial sites are detected.

# African Swine Fever Spread



1960-1990s



# African Swine Fever Spread



2021





# Fundamentals among all programs



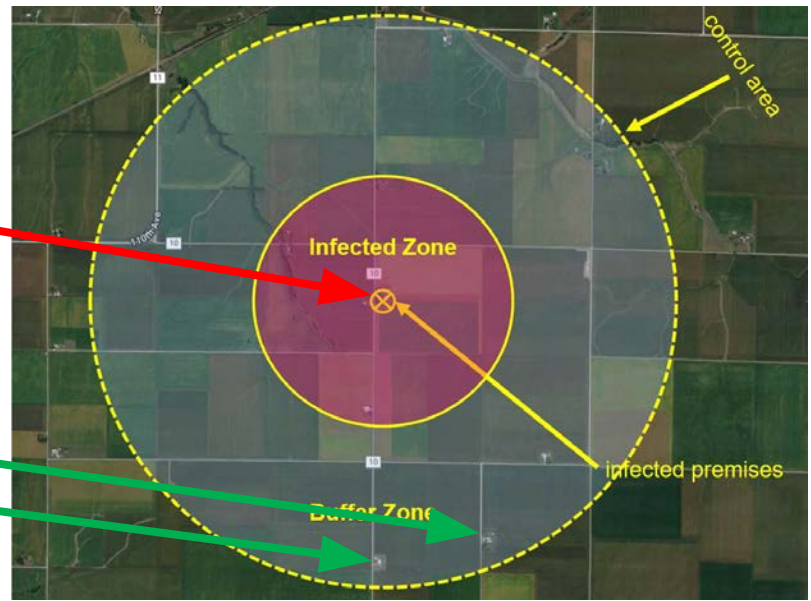
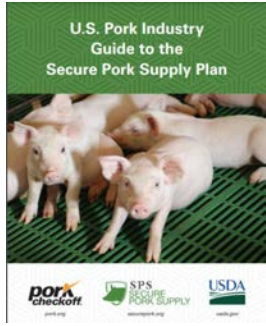
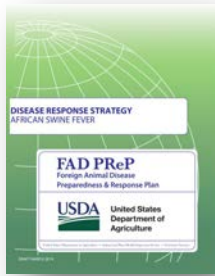
**Traceability**



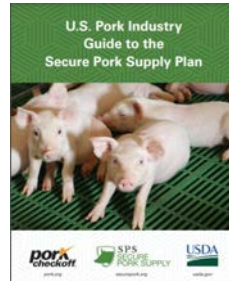
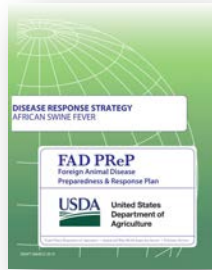
**Biosecurity**



**Surveillance**



# Requirements for each program in FAD outbreak

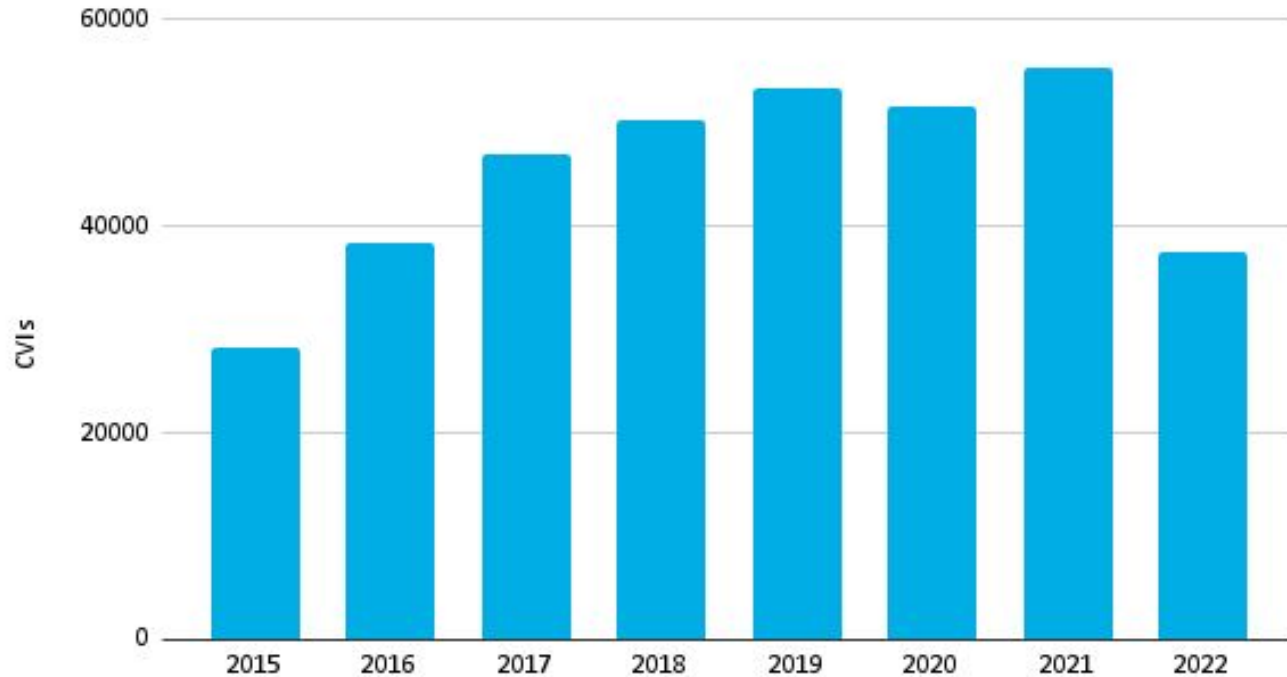


<b>Movement records last 30 days</b>	<b>Movement records last 30 days</b>	<b>Electronically captured movement records</b>
Premises ID	Premises ID	Premises ID
Diagnostic Testing	Diagnostic Testing	Diagnostic testing
Biosecurity Plan	Biosecurity Plan	Biosecurity Plan
Depopulation Plan	Disease Monitoring (Surveillance)	
Disposal Plan		



# Swine CVI 2015 - 2022 (YTD)

Swine CVIs - 2015 - 2022 (YTD)



# CVI Requirements for Swine

## Required information on the CVI includes:

1. Number of animals covered by the certificate.
2. Purpose for which the animals are to be moved.
3. Points of origin and destination. *(Prem ID for FAD Prep)*
4. The consignor and the consignee.
5. A statement by the issuing accredited or State or Federal veterinarian that **“the animals were not exhibiting clinical signs associated with disease of concern for that species at the time of examination”**.
6. Swine entering certain states must have remarks to show the animals have been examined and found free of disease and lack of exposure to diseased premises within the last 30 days.

**Washington State Department of Agriculture**  
 700 4th Street  
 Olympia, WA 98501  
 Phone: 360-357-3375  
 www.wa.gov/agriculture

**CERTIFICATE OF VETERINARY INSPECTION**  
 Current State of Destination for Movement Requirements Will Certify as Valid  
 FOR FOREIGN SHIPMENTS (Cuban United States or Leaving United States) USE FEDERAL FORM

CERTIFICATE NUMBER: **FAKE20-WA-15682181**

INSPECTION DATE: 2020-03-03 | ISSUE DATE: 2020-03-03 | ENTRY PERMIT NUMBER: | BRAND INSPECTION NUMBER & ISSUE DATE:

ORIGIN OF SHIPMENT	CONSIGNOR, PRESENT OWNER OF SHIPMENT	DESTINATION OF SHIPMENT	CONSIGNEE, NEW OWNER OF SHIPMENT	CARRIER, TRANSPORTER
<b>Jarney Cash</b> 123 Folsom Avenue Folsom, WA 12345 Blaine County Phone: 555-555-5556 PIN/LID: /	<b>Jarney Cash</b> 123 Folsom Avenue Folsom, WA 12345 Blaine County Phone: 555-555-5556 PIN/LID: /	<b>John Smith</b> 4555 St Arroyo, IN 80010 Blaine County Phone: 555-555-5556 PIN/LID: /	<b>John Smith</b> 4555 St Arroyo, IN 80010 Blaine County Phone: 555-555-5556 PIN/LID: /	<b>John Smith</b> 123 Folsom Avenue Folsom, WA 12345 Blaine County Phone: 555-555-5556 PIN/LID: /

SHIPMENTS: NUMBER IN SHIPMENT: 100 animals | PURPOSE(S) OF MOVEMENT: Food(s) | CARRIER TYPE: Truck/Tractor | HAZARD STATUS NUMBER: | HAZARD FREE FOR: | CURRENT STATE/AREA STATUS:

**REMARKS/ADDITIONAL CERTIFICATION STATEMENTS:**  
 There has been no evidence of FPD in the herd of origin in the last 32 months.  
 Shipping Date: 2020-03-03

Name: Forder Group #2 | DOB: 2019-12-31 | Color: | Gender: Multiple (Sire(s)/Dam(s)) | Breed: American Yorkshire | Head Count: 100

**DT/SLR ID Type: Meat Tag (S):**  
 12101 12102 12103 12104 12105 12106 12107 12108 12109 12110 12111 12112 12113 12114 12115 12116 12117 12118 12119 12120 12121 12122 12123 12124 12125 12126 12127 12128 12129 12130 12131 12132 12133 12134 12135 12136 12137 12138 12139 12140 12141 12142 12143 12144 12145 12146 12147 12148 12149 12150 12151 12152 12153 12154 12155 12156 12157 12158 12159 12160 12161 12162 12163 12164 12165 12166 12167 12168 12169 12170 12171 12172 12173 12174 12175 12176 12177 12178 12179 12180 12181 12182 12183 12184 12185 12186 12187 12188 12189 12190 12191 12192 12193 12194 12195 12196 12197 12198 12199 12200

Remarks:

OWNER / AGENT STATEMENT	VETERINARIAN'S SIGNATURE:	Julie Sample
The owner in this signature certifies that the animal is and is held under certificate. Signature: _____ Date: _____	This is a legally binding equivalent of a handwritten signature: <i>John Sample</i> John Sample 2020-03-03 07:15:01 -06:00	1231 Ezen Road Address Line 2 (State) Nevada, NE 67847 Phone: 555-555-5555

**OFFICE USE ONLY**  
 If a violation occurs, the certificate is voided and the owner will be notified by email or phone within 10 business days.

**VETERINARIAN CERTIFICATION** - I certify, under oath, that I am a duly licensed veterinarian, that the above information has been inspected by me or one of my duly licensed assistants, and that, in my professional opinion, the animal is free of any signs of any disease of concern for that species at the time of examination, and that the animal has been examined and found free of disease and lack of exposure to diseased premises within the last 30 days.

License Number and Date: \_\_\_\_\_ | 1234 - This is fake.

**CVI only covers interstate (between state) movements.**



# SPS Plan: Premises ID



Iowa Department of Agriculture and Land Stewardship  
Wallace State Office Building  
502 E 9<sup>th</sup> St  
Des Moines, Iowa 50319

**For IDALS Use Only**  
Date received and by: \_\_\_\_\_ Date: \_\_\_\_\_ By: \_\_\_\_\_  
Premises ID No: \_\_\_\_\_

**Premises Identification Number Application (Print Legibly)**  
**Business/Farm Account Information**

Business/Farm Name: \_\_\_\_\_  
Primary Contact (Landlord): Last \_\_\_\_\_ First \_\_\_\_\_ M.I. \_\_\_\_\_  
Secondary Contact (Lessee, if applicable): Last \_\_\_\_\_ First \_\_\_\_\_ M.I. \_\_\_\_\_  
Business/Farm Mailing Address: ST Street Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ County \_\_\_\_\_

For contact numbers check box for preferred method of contact  
Business Phone: P  Fax Number: \_\_\_\_\_ P   
Cell Phone: P  E-mail Address: \_\_\_\_\_ P   
Home Phone: P  Other (describe): \_\_\_\_\_ P   
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Business Type (Check one)**  
 Individual  Partnership  Incorporated  Non-Profit Organization  LLC  LLP

**Operation Type (Check all that apply)**  
 Producer Unit/Farm  Exhibition, Zoo  Market/Collection Point  Port of Entry  
 Tagging site  Veterinary Clinic  Non-producer Participant  Quarantine Facility  
 Slaughter Plant  Rendering  Laboratory/Research  Semen Collection/Embryo Transfer

**Premises Information**  
Primary location where livestock resides. If more than one location and animals are managed separately, apply for multiple premises IDs on additional forms.  
Premises Address: Check  if same address as above, OR list different address below  
ST Street Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ County \_\_\_\_\_  
Premises Name/Description: \_\_\_\_\_ (ex. "home place" or "feed yard")

**Premises Type (Check all that apply)**  
 Producer Unit/Farm  Exhibition, Zoo  Market/Collection Point  Port of Entry  
 Tagging site  Veterinary Clinic  Non-producer Participant  Quarantine Facility  
 Slaughter Plant  Rendering  Laboratory/Research  Semen Collection/Embryo Transfer

**Species at Premises (Check all that apply)**  
 Bison and/or Cattle:  Cow/Call  Dairy  Feedlot  Seedstock  
 Swine:  Boar Stud  Farrow  Farrow/Finish  Finish  Nursery  Seedstock  
 Poultry:  Chickens  Ducks  Geese  Guineas  Pheasants  Quail  Turkeys  Other  
 Goats:  Dairy  Meat  Other (list): \_\_\_\_\_  
 Cervids:  Elk  Whitetail Deer  Other (list): \_\_\_\_\_  
 Camelids:  Alpacas  Llamas  Other (list): \_\_\_\_\_  
 Rabbits  Emu  Ostrich  
 Sheep  
 Horses

**Additional Land Descriptions**  
Legal Land Description\* (required if no address) Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_  
GPS Coordinates\* (Optional) Latitude (decimal degrees) \_\_\_\_\_ Longitude (decimal degrees) \_\_\_\_\_

Please mail to above address or fax to (515) 281-4282 Ph: (888) 778-7675 • Email [stats\\_id@iowaagriculture.gov](mailto:stats_id@iowaagriculture.gov)

- ✓ Get PremID or PIN
  - State Department of Agriculture
  - 911 address, latitude, longitude
- ✓ Verify PIN is associated where the animals are located
  - ✓ [Porkcheckoff.org](http://Porkcheckoff.org)
- ✓ Associate the PIN with animal movements and diagnostic laboratory submissions

# Swine CVI Requirements

- Import permit
  - Some states require an import permit.
- GVL works with all 50 state veterinarians to ensure that the regulations are up to date
  - Regulations are built into the GlobalVetLink platform to ensure completed CVIs meet state entry requirements
  - Veterinarians can also view movement requirements via [AnimalRegs.com](https://www.animalregs.com)





# Thank you, **Dr. Rademacher!**

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## Questions?

Use the Questions box on control panel.

# US Swine Health Improvement Plan and Focus on Biosecurity, Traceability, and Surveillance

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**J. Tyler Holck, DVM, MS, MBA**

Owner, Feed His People, LLC



# US Swine Health Improvement Plan

## US SHIP



**Industry, State, & Federal Partnership**

*Investigators from ISU, SDSU, UIUC, UMN, and KSU*

*Pilot Program Funded By USDA and NPB*



# National Poultry Improvement Plan

- NPIP is a cooperative industry, state, and federal partnership
- Sustain export markets & ongoing interstate commerce in unaffected states and regions
  - Demonstrate freedom of disease outside of trade-impacting control areas
- NPIP serves to safeguard, certify, and represent the health of US poultry.



National Poultry  
Improvement Plan

- Participation is voluntary and ~ universal
- Implemented across US poultry & egg industries
- Officially recognized standards of poultry health

Established in 1935



Figure 3



Figure 10



# US SHIP Purpose

## FAD (ASF & CSF) Preparedness

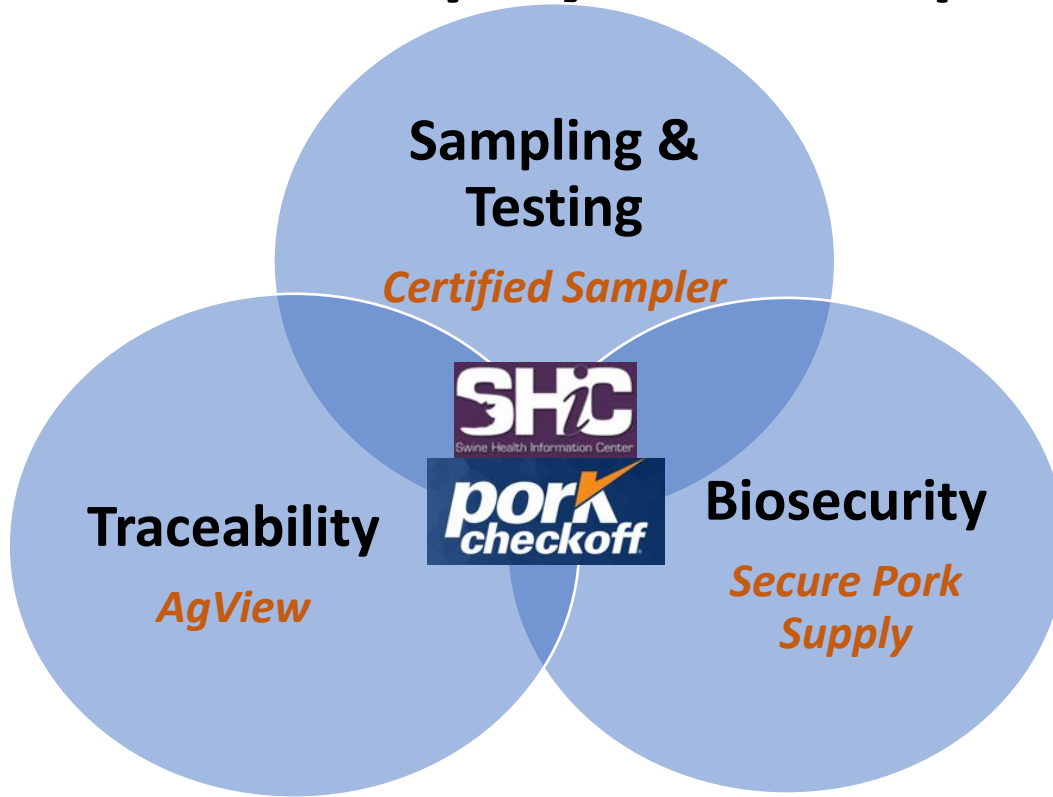
- Prevention, Response, & Recovery



## Develop & Implement “NPIP like” program

- Establish “National Playbook” of technical standards providing a uniform approach by each of the participating states
- Demonstrate freedom of disease
- Augment interstate movement & resumption of trade

# US SHIP - a national playbook for preparedness



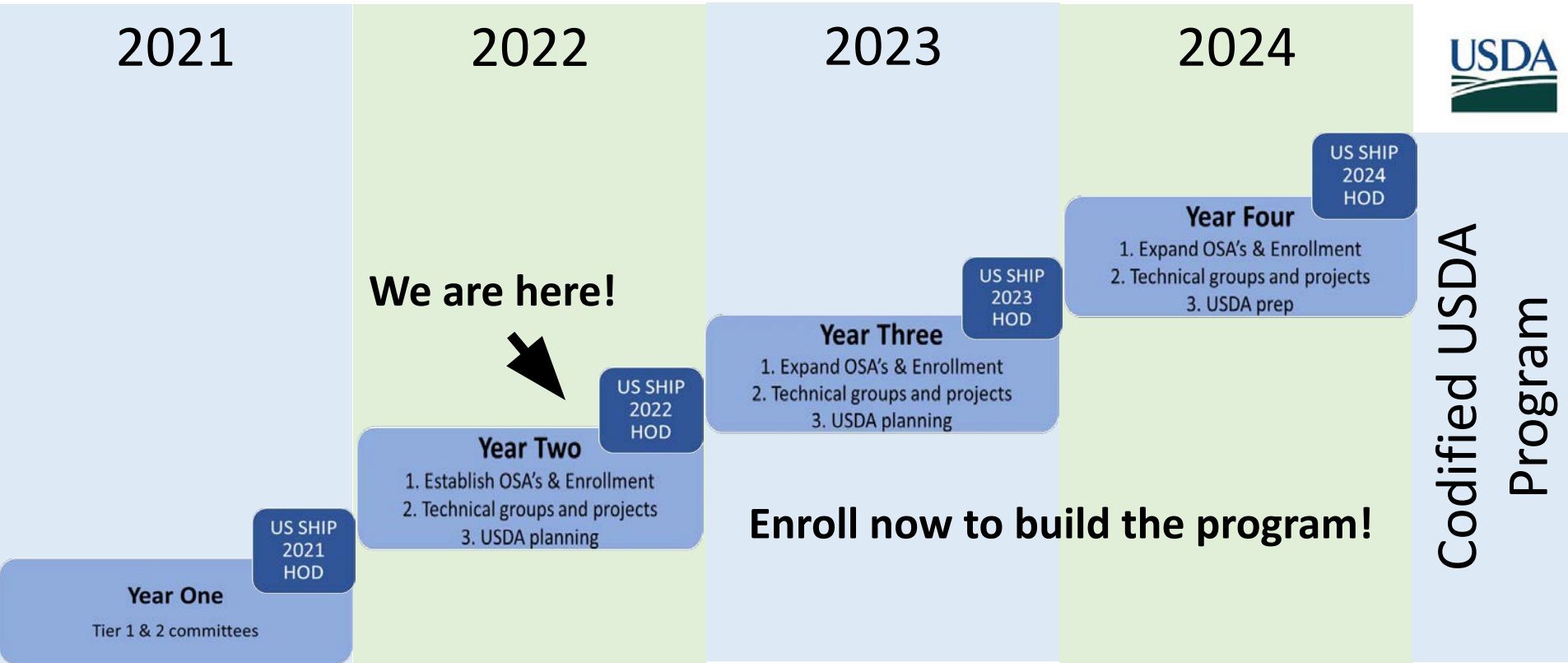
# ASF-CSF Monitored Certification

## Requirements for Certification:

- Enrolled & Meeting Requirements
- **Valid VCPR with Accredited Veterinarian**
- ***Biosecurity Standards***
  - Year 1- Prevention into US
    - Feeding Practices
    - International Visitors
- **Traceability Standards**
  - PIN / Current Demographic Information
  - Swine Movement (Available for Electronic Upload as Needed)
- **Surveillance Testing**
  - State of the art sampling regimens & diagnostic tools
  - Based upon farm-type **and** ASF & CSF status of US, State, and Region



# US SHIP Program Development Timeline





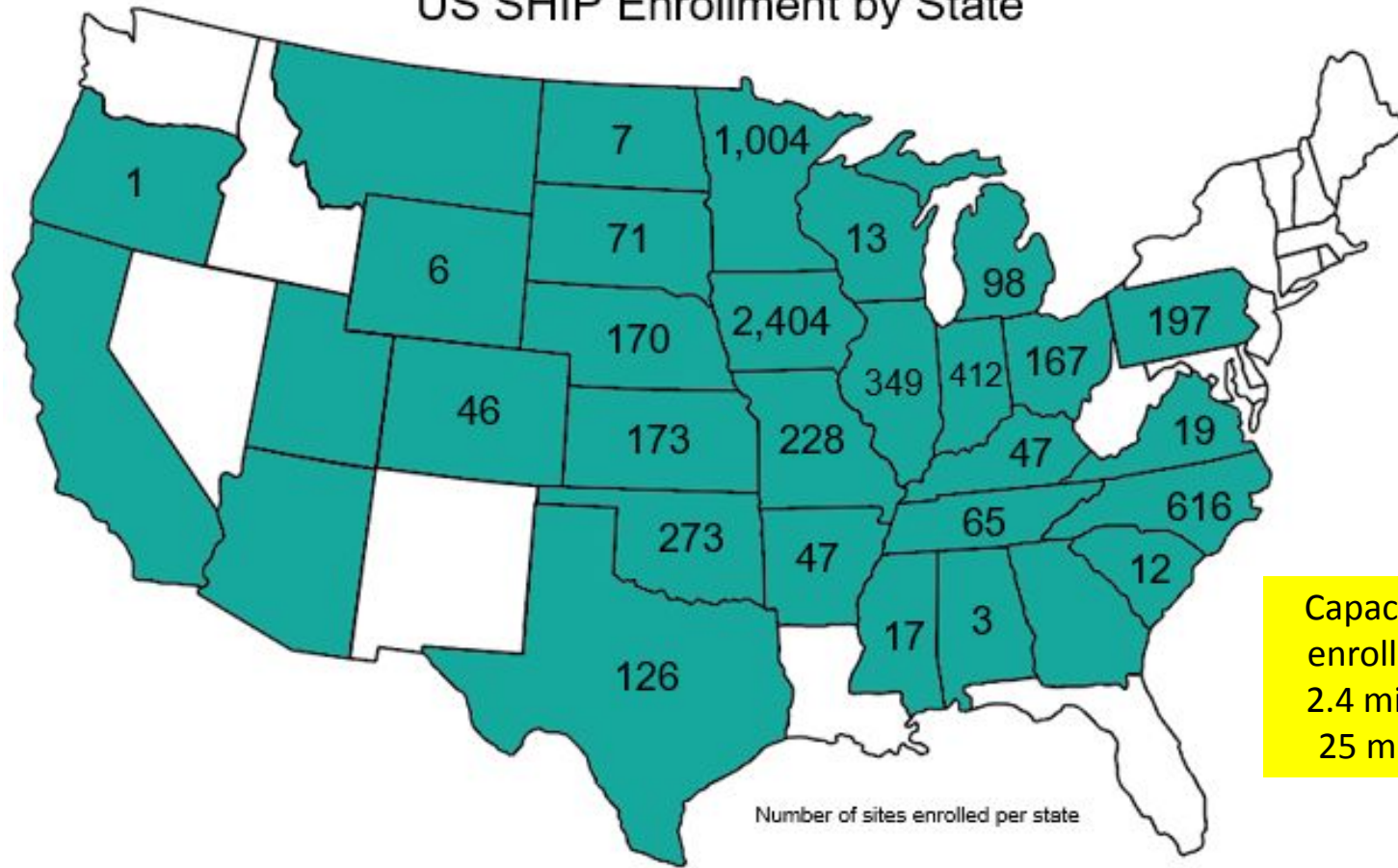
# US SHIP - your ASF-CSF passport!

Enroll NOW!



[www.swinehealthimprovementplan.com](http://www.swinehealthimprovementplan.com)

# US SHIP Enrollment by State



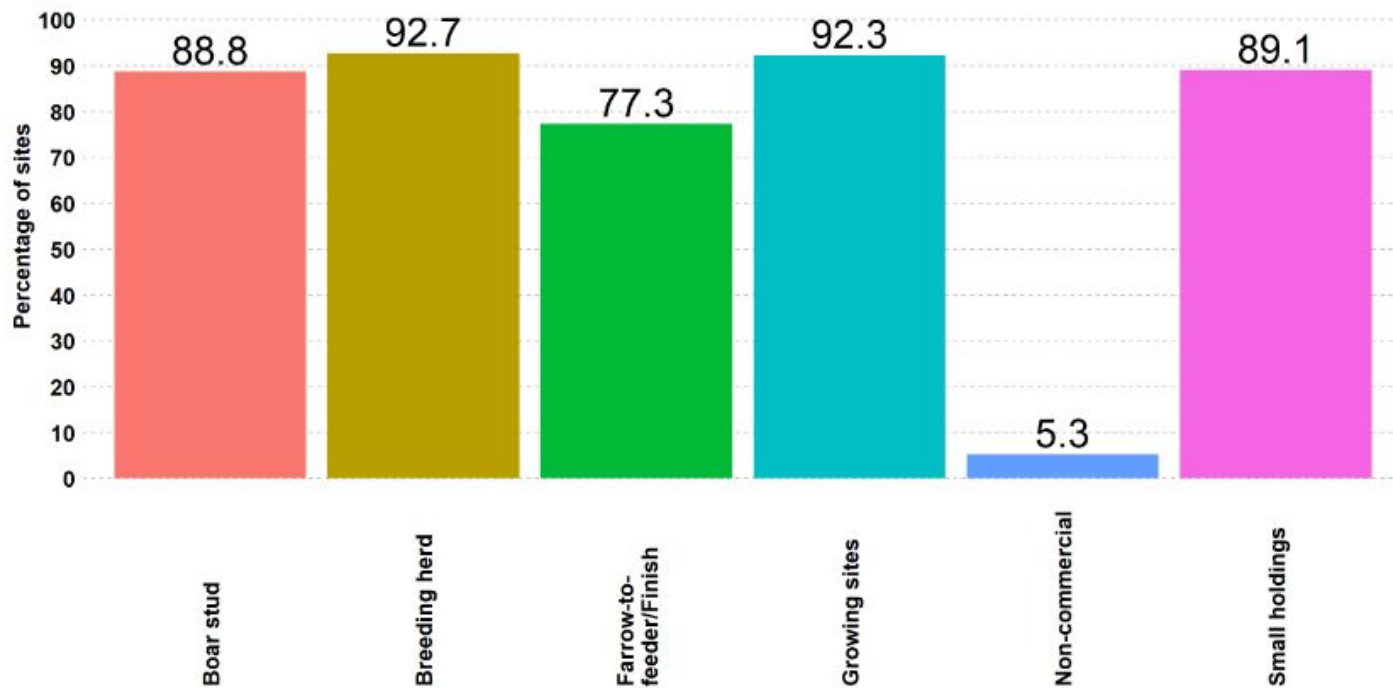
Capacity of sites enrolled in SHIP  
2.4 million sows  
25 million pigs

## 2 Secure Pork Supply

As of August 10, 2022, 49 Boar stud, 744 Breeding herd, 5891 Growing sites, 31 Farrow-to-feeder/Finish, 103 Small holdings, and 57 Non-commercial sites had filled out the biosecurity survey question related to Secure Pork Supply Plans.

**Percentage of sites by site type that have completed the Secure Pork Supply Plans (SPS)**

Source: US SHIP biosecurity enrollment survey.



# 2022 US SHIP House of Delegates

Bloomington, Minnesota – September 6-8, 2022



## Key Technical Topics:

- Feed biosafety
- Feral pig risk mitigation
- Live haul sanitation
- Traceability
- Surveillance



Collaborative industry, state & federal effort  
US Swine Health Improvement Plan


# Thank you, **Dr. Holck!**

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## Questions?

Use the Questions box on control panel.

# Recap

- 
- FDA Updates & Impact on VFDs
  - Antimicrobial Regulation Changes & Impact on Prescriptions
  - Foreign Animal Disease Preparedness & Importance of Electronic Movement Records
  - US Swine Health Improvement Plan & Focus on Biosecurity, Traceability, and Surveillance



# Q & A

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# Thank you!

Additional questions? Email [info@globalvetlink.com](mailto:info@globalvetlink.com)



## Easy

Automated software takes the pain out of animal movement compliance document

## Accurate

Always-accurate certificates ensure compliance with evolving regulations

## Accessible

Cloud-based solution provides veterinarians and clients easy access from anywhere