

# Michigan EM Programs Updates

MULTI-STATE PARTNERSHIP WORKSHOP



*Michigan Department of Agriculture & Rural Development*

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Michigan EM Programs Updates

# TRAININGS





## TRAININGS

- Poultry Foam Depopulation
  - 2013 Martin Fire Department Drill
  - 2014 Michigan State University Poultry Research
- 2013 MDARD Animal Industry Division / USDA APHIS VS Michigan Office IMT
- 2014 Foot and Mouth Disease TTX
- 2014 One Health Zoonotic Diseases TTX



## POULTRY - TRAINING

- Developed an MOU with Martin Fire Department
  - Department located on side of state where
  - Two pneumatic foam manifold units purchased with NPIP funding
  - Fire department will use, maintain, and store units
    - They may use the manifolds at local fires
    - Agreed to respond to depopulation event or train department in location of event if too far for department to travel



# POULTRY - TRAINING





# POULTRY - TRAINING





# IMT - TRAINING

- Identified participants for two Animal Industry Division / USDA APHIS VS Michigan Office Command and General Staff teams in 2010





## 2014 TABLETOPS

- March 2014 – FMD TTX
  - Communication
  - Request of National Veterinary Stockpile
  - Included role for support staff
- April 2014 – One Health Zoonotic TTX
  - Three exercises (Rabies at a Zoo, Avian Influenza, Pet Food Salmonella Contamination)
- Exercises are shared on the MSP FoodShield Site



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# LASALOCID INVESTIGATION





# The Beginning – August 11, 2014

MDARD notified of turkey mortalities at index farm

Cause of death unknown

Turkey mortalities at processor (USDA notified)

Turkeys and feed samples sent to MSU for analysis

Necropsy Finding: lasalocid toxicity





# Lasalocid

- Animal Drug
- Approved for use in poultry, cattle & sheep feeds
- Used to prevent coccidiosis in poultry
- Turkeys fed at a rate of 68 – 113 g/ton





# MDARD Farm Visit

- Who makes the feed?
- Farm uses lasalocid in turkey feed formulations
- How were mortalities disposed?
- Turkey shipments suspended since Aug 13
- **First Hypothesis:** on farm feed mix up





# Joint Investigations

- MDARD & FDA @ Index Farm
  - Root cause?
  - Lasalocid inventory reconciliation
  - ~ 450 tons turkey feed removed, reconditioning plan reviewed by FDA
  - MDARD collects official and retain samples
- USDA FSIS @ Processor
  - Clears farm to ship on August 28



# The BIG Findings (Sept 11)

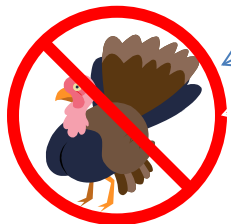
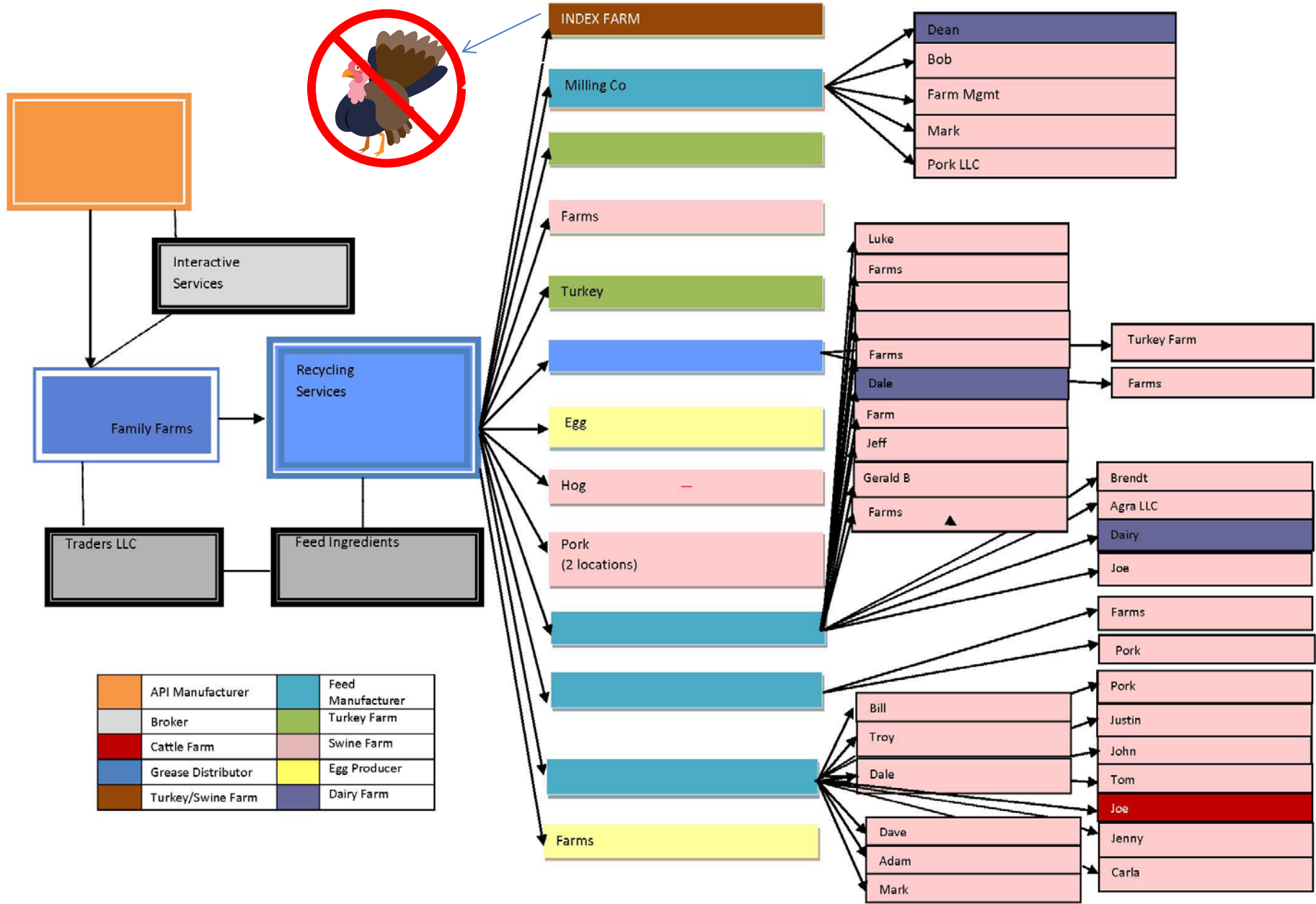
- 1,510 g/ton lasalocid in swine feed
  - Lasalocid is NOT approved for swine
- Lasalocid detected in grease samples
- MDARD contacts Index Farm
  - 5,000 pigs shipped weekly
  - Farm agrees to not ship pigs to market



# Withdrawal Time

- Food Animal Residue Avoidance Databank (FARAD)  
Recommend 28 day withdrawal time
- FDA CVM makes withdrawal recommendation to USDA based on State-collected sample results
  - 28 day withdrawal time
  - “out of an abundance of caution”
- Index Farm
  - 20,000 pigs impacted
  - September 16 start date





Orange	API Manufacturer	Light Blue	Feed Manufacturer
Grey	Broker	Light Green	Turkey Farm
Red	Cattle Farm	Light Pink	Swine Farm
Blue	Grease Distributor	Yellow	Egg Producer
Brown	Turkey/Swine Farm	Dark Blue	Dairy Farm





# Recalls and Root Cause

- Michigan Grease Processor
  - Shipped contaminated grease to 13 locations in 4 states
  - MDARD issues stop sale order
  - September 26 recall
- **MDARD** stands up Incident Management Team
- FDA continues traceback at out of state sources
- Shur-Green Farms in Ohio issues recall: Oct 23



# Likely Root Cause

- **Lascadoil**
  - industrial processing waste oil
- **From the Press Release:**

loads of Soyoil containing Lascadoil that was intended for commercial use (biofuels) may have crossed over to the feed ingredient stream



## Findings, Impact, and Next Steps

- Apparent minimal oversight on grease suppliers, processors, haulers, jobbers, and brokers
- Index Farm: lost 50,000 turkeys. 20,000 market ready pigs impacted, 450 tons of feed lost.
- November 12 – MDARD held compliance conference with MI grease supplier. Consent Agreement signed
- More than 100 farms in at least 8 states received contaminated grease/feed

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# LOW PATH AVIAN INFLUENZA RESPONSE





# LOW PATH AVIAN INFLUENZA

- Positive antibody test, confirmed on December 6, 2014 at a turkey operation
  - Subsequent tests – no live virus found
- Incident Management Team established on Monday, December 8, 2014
- First planning meeting for team was on December 12, 2014

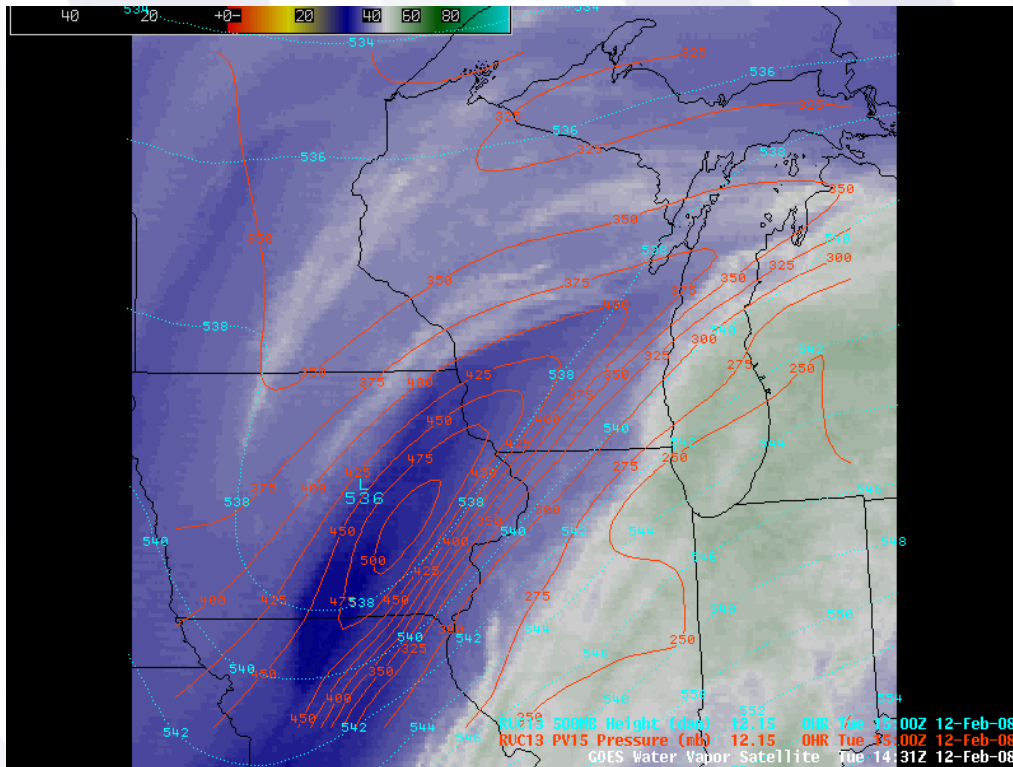


# CHALLENGES - DEPOP





# CHALLENGES – CONTROLLED MOVEMENT



**GRAINGER does NEGOTIATE prices!**



# CHALLENGES - COMPOSTING







# CHALLENGES - COMPOSTING





# CHALLENGES – CLEANING AND DISINFECTION





# CHALLENGES - COMMUNICATION



# Questions?



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**Stay connected with MDARD!**

