

Feed Contamination Investigation

2014 Incident Management Response



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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





Multi-Agency Response

USDA: Food Safety & Inspection Service (FSIS)

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FDA: DET-DO and CVM

+

MDARD: Feed and Animal Industry

= Lots of questions, few answers

Solution: Regular Multi-Agency Conference Calls*

1st call: August 21



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



Samples

- MDARD Lab
 - Dry ingredients clean
 - Low levels lasalocid in finished feeds
 - fats and oils – no official methods
- MSU, Diagnostic Center for Population & Animal Health
 - Can qualify the presence of lasalocid in grease





The BIG Findings (Sept 11)

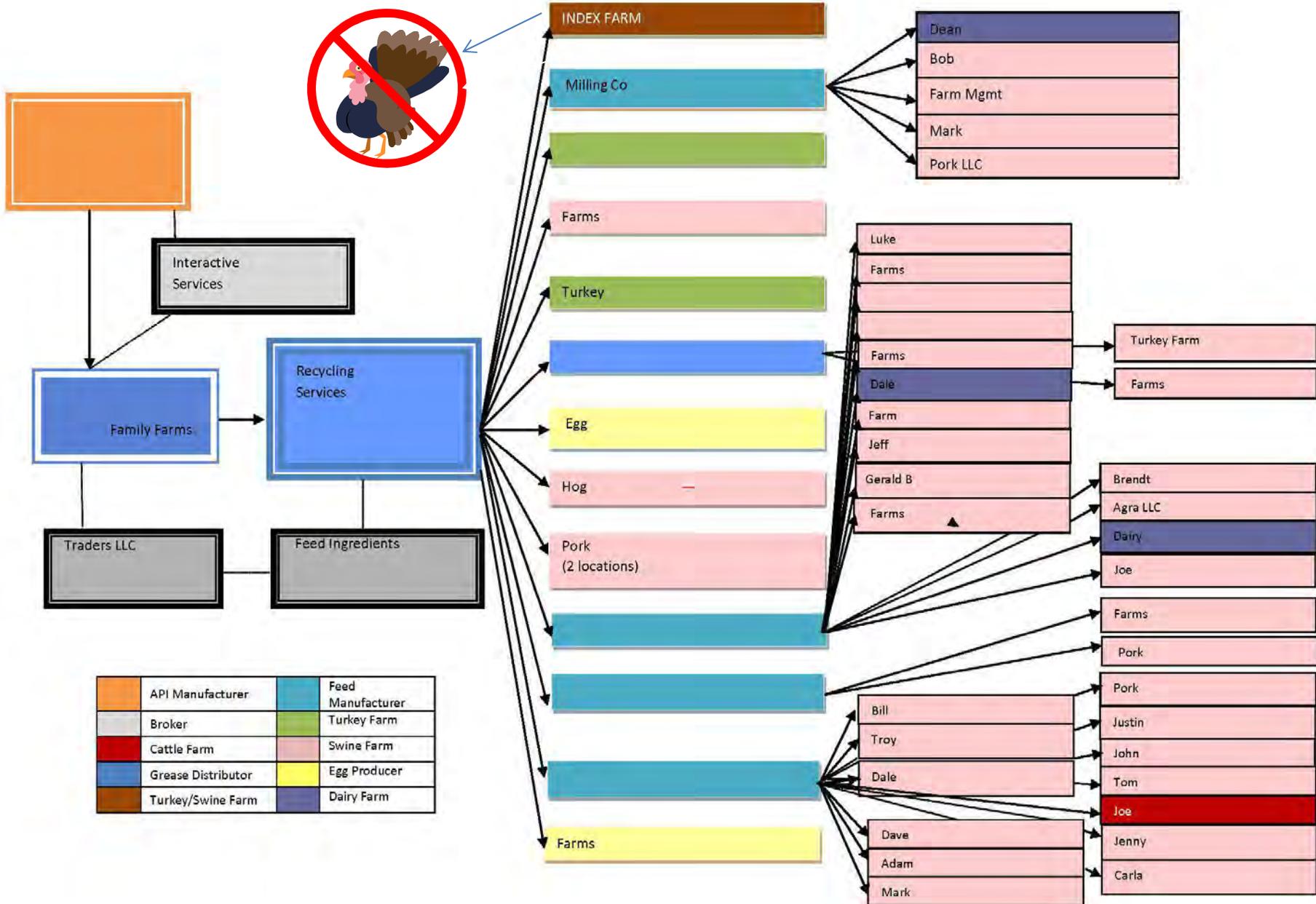
- 1,510 g/ton lasalocid in swine feed
 - Lasalocid is NOT approved for swine
- Lasalocid detected in grease samples
- MDARD contacts Index Farm
 - 5,000 pigs shipped weekly
 - Farm agrees to not ship pigs to market



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







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



Successes

- Standing up an Incident Management Team
- Regular multi-agency conference calls
- FDA able to use state, university, and private laboratory results and analytical methods
- Pre-established working relationships with state and federal partners
- AID and PPPMD joint inspection project: Jan/Feb 2015

Questions?



Michigan Department of Agriculture & Rural Development

Stay connected with MDARD!



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