HPAI Education & Biosecurity Reviews

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HPAI Biosecurity Education

• Initiated by our Education Committee
  ➢ Financial support - MN Board of Animal Health
• HPAI and Biosecurity Education
  ➢ Experts - poultry industry veterinarians
  ➢ Growers with infected flocks
  ➢ Prevent additional introductions
• Reviews
  ➢ HPAI virus
  ➢ Biosecurity (after restocking)
    ❖ Emphasized Farm Specific Plans
Overview

- iAuditor app - uploaded existing review tool
- Conducted by veterinarian
- 58 reviews (total of 63 farms)
- Safe/Risk; Comments; Photos
- Summary Report in Process by Dr. Sally Noll @ U of MN
- Stopped reviews Oct. 2 - bird migration
<table>
<thead>
<tr>
<th>Question</th>
<th>Status</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is there a body of water within a half mile of the farm? Estimate distance</td>
<td>At Risk</td>
<td>Other, likely seasonal ditches and ponds can be found within a few miles of some of the sites.</td>
</tr>
<tr>
<td>Is the body of water visited by waterfowl?</td>
<td>At Risk</td>
<td>It is likely these water sources are visited by waterfowl</td>
</tr>
<tr>
<td>Is the barn ventilated by an open ridge system?</td>
<td>Safe</td>
<td>In general, barns have some type of cement pad. Some are better than others. Ideally, all would have a large enough pad for the trailer.</td>
</tr>
<tr>
<td>Is there a hard surface pad on the service and equipment entry end of the barn?</td>
<td>Safe</td>
<td>Some external temporary workers are utilized during load out events.</td>
</tr>
<tr>
<td>Do personnel from other poultry farms enter barns of your farm?</td>
<td>At Risk</td>
<td>Some personnel from other farms are utilizing the barns.</td>
</tr>
<tr>
<td>Do personnel from other poultry farms visit the premises of your farm?</td>
<td>Safe</td>
<td>This happens rarely.</td>
</tr>
<tr>
<td>Vaccination is accomplished using</td>
<td>on farm team members</td>
<td></td>
</tr>
</tbody>
</table>

### Appendix 10
- Vermin cannot gain access into the barn through cracks in door or other points?

Vermin cannot gain access into the barn through cracks in door or other points? 

In most places this is okay. Some of the barns need repairs to the siding. Some barn doors need to be straightened a bit.

### Appendix 11
- Rodent bait stations are found every 50 feet along perimeter fence.

This is my highest concern across the entire system right now. Some of the bait stations are too high, and I'm not convinced the design is effective. I prefer stations to be flush with the grade of the landscaping, and to be either a commercially available design.
Biosecurity Reviews

- Questions covered aspects of biosecurity as related to:
  - Conceptual (Farm location, organization of barns and farm structures, etc.)
  - Structural (Building design, work flow, etc.)
  - Operational (Day to day biosecurity, etc.)
  - Cultural (Culture of biosecurity - training, buy-in, etc.)

From: Shane, Valbuena, others
Conceptual Related Questions

• Distance of farms relative to other poultry farms
  ➢ 58% had one or more poultry facilities within one mile of review site (At Risk)

• Presence of body of water & observations of waterfowl
  ➢ 69% had nearby water bodies with observations of waterfowl (At Risk)

Structural Related Questions

• Barn design (no open ridge ventilation)
  ✓ Safe (86%)

• Designated vehicle/truck parking
  ✓ Safe (78%)

• Dedicated clean and dirty driveways
  ✓ Safe (47%)

• Presence of Danish Entryway
  ✓ Safe (74%)
Operational

• No observations of wild bird nests or of wild birds in barn
  • Safe (79%)
• Dedicated farm clothing and footwear
  • Safe (96%)
• Dedicated equipment
  • Safe (79%)
• Disinfection of supplies and equipment entering farm
  • Safe (95%)

Cultural

• Training, educational materials, measures
  ➢ 64% acknowledged value of the review
  ➢ 79% had biosecurity training with sign-off by farm staff
• Buy-in
  ➢ Respondents (98%) had made changes to their biosecurity
Summary - Of those participating in the reviews

- Majority of growers saw the reviews as valuable
- Growers had made recent substantive changes to their biosecurity practices
  - Most frequently cited establishment of a Danish entryway or other entryway modification
  - Many farms have exposure risk due to their geographical location and/or presence of nearby water bodies (conceptual biosecurity)
    - Emphasizes need for structural and operational biosecurity
    - Plans for farms of the future or renovation of existing facilities need to consider conceptual biosecurity

Examples of Recent Changes in Biosecurity

- Danish entryway adoption
- Dedicated driveways and parking areas
- Dedicated farm clothing and footwear
- Bird netting and screening
- Equipment/vehicle C&D
- More sanitation in service areas
Questions?

MTGA Education Committee Biosecurity Reviews

- Modified an existing biosecurity tool
- Emphasis was on using the tool for education and reinforced by one on one communications at the farm
  - Time spent with producers discussing reviews and further actions if needed
- Previously infected farms were targeted for the reviews after repopulation was in place
- Veterinarians primarily conducted the reviews
- Conditions rated as “safe, at risk or NA”
- 65 questions total
- 58 reviews