Biosecurity for Commercial Poultry

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Outline



- Biosecurity and its importance in preventing HPAI
 - Definition
 - Key elements
 - Key considerations
- Summary and Final Thoughts

Review of Biosecurity

•Biosecurity is <u>not</u>:

- •a "one size fits all"
- an additional expense
 - •It is actually a wise investment!
- •the sole responsibility of company or government officials
 - •It requires everyone's input and cooperation
- •"cut in stone"
 - •Must be regularly reviewed and updated according to current needs and conditions



Isolation

- Keep poultry within a fenced area and maintain a security gate at the farm entrance
- Keep young birds isolated from older birds



Isolation

- Isolate poultry from livestock, e.g. cattle and swine
- Keep people, dogs, cats, and wild animals away from poultry houses
- Screen all poultry house openings to control insects, wild birds, and rodents



Traffic Control

- Restrict entry of visitors and nonessential vehicles to your farm
- Keep a record (logbook) of essential visitors indicating their names, affiliation, and date, time and purpose of visit
- Do not visit other poultry facilities



• Hygiene and Sanitation

- Wear clean, dedicated clothing and footwear when working inside poultry houses
- Wash hands with soap and water or use a hand sanitizer before entering and upon leaving a poultry house





Hygiene and Sanitation

- Use disposable plastic boots or use a footbath or bucket with disinfectant and boot brush to disinfect footwear before entering and upon leaving a poultry house
- Thoroughly clean and disinfect poultry house and equipment between flocks



•Hygiene and Sanitation

- Keep feeders and drinkers clean
- Practice good litter management



https://www.usatoday.com/story/news/nationnow/2017/03/07/tennessee-bird-flu-outbreak/98841334/

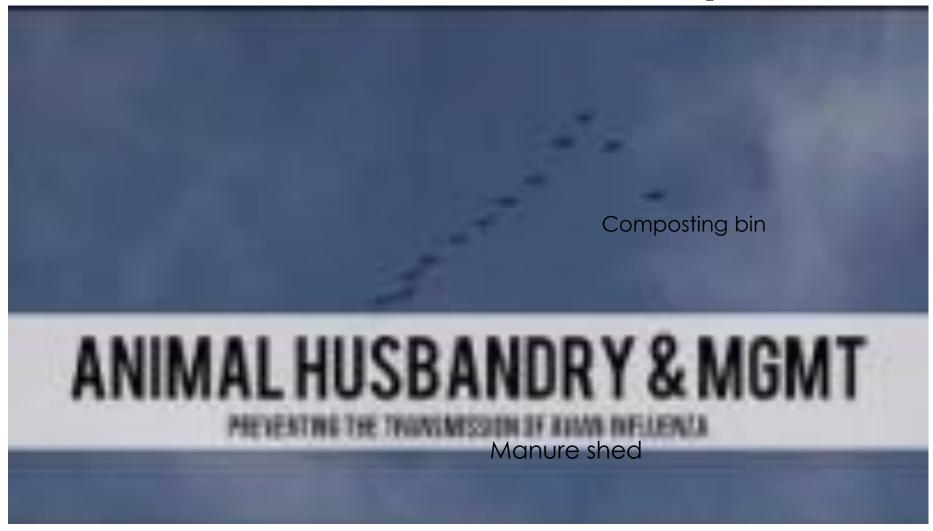
•Hygiene and Sanitation

- Dispose of dead birds promptly, preferably through composting
- Dispose of manure/used litter properly.
 - Do not stockpile manure or litter near poultry houses





Avian Influenza Biosecurity Video



https://youtu.be/ZrzwyMS-tME

Key Biosecurity Considerations (Vaillancourt*)

- Focus on basic measures that are known to work, such as:
 - changing boots
 - putting on coveralls
 - washing hands
 - using an alcohol-based gel before touching anything that may come into contact with birds.



^{*&}lt;u>https://poultryhealthtoday.com/biosecurity-in-poultry-production-what-makes-it-work-and-what-doesnt/</u>

Key Biosecurity Considerations (Vaillancourt*)

- Make compliance easy
 - Provide ample space for changing boots, putting on coveralls and washing hands.
 - Make sure the necessary supplies and equipment are available and readily accessible.



^{*&}lt;u>https://poultryhealthtoday.com/biosecurity-in-poultry-production-what-makes-it-work-and-what-doesnt/</u>

Key Biosecurity Considerations (Vaillancourt*)

- Emphasize proper communication
 - Have a plan in place that enables rapid communication among key poultry people, particularly those who may come onto the farm.



* <u>https://poultryhealthtoday.com/biosecurity-in-poultry-production-what-makes-it-work-and-what-doesnt/</u>

FINAL THOUGHTS

- A poultry disease prevention/biosecurity plan is only good if properly implemented.
- A poultry disease prevention/biosecurity plan must be reviewed and revised periodically.
- Biosecurity is an investment, not an expense.
- Biosecurity and good management practices prevent disease outbreaks, improve livability, and promote profitability.

Thank You

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