

Biosecurity Risk Assessment For Growout Farms (not just an AI talk)

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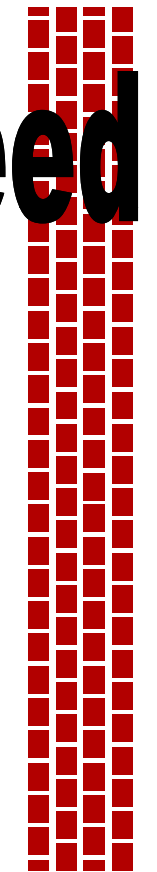
Protect the Plant!

Establishing Multiple Barriers!

**We need continuous improvement
on all 5 Walls!**



LBM or
Backyard
Flock



Farm
Biosecurity



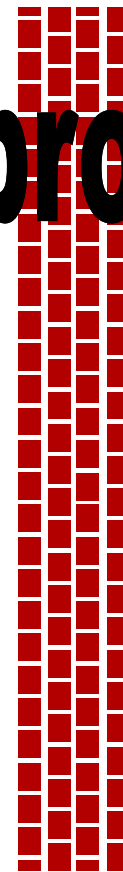
If a flock is
“off” – test it



100%
Preslaughter
Testing Program



Final Inspection
Prior to
Processing



Pre-processing
Inspection – at
plant

Plant



BIOSECURE POULTRY
OPERATION
STOP
NO UNAUTHORIZED
VISITORS ALLOWED

1. Authorized visitors must sign a visitor's log.
2. Coveralls, boots and hairnets required to enter poultry houses. (No exceptions).
3. No unapproved equipment allowed inside of poultry houses.

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Best Management Practices: Level 1 Risk

Level 1 Risk is defined as
"no serious disease is present."

BEST PRACTICE	PRODUCER/HIRED HELP	FLOCK SUPERVISOR	HATCHERY	FEED MILL	LIVE HAUL	VENDOR
Personal Protective Equipment (PPE)	<ul style="list-style-type: none"> ● Clean/freshly sanitized clothing (cloth or disposable coveralls) or farm-dedicated clothing ● Clean/freshly sanitized footwear covering (rubber or plastic) or farm-dedicated footwear 	<ul style="list-style-type: none"> ● Clean/freshly sanitized clothing (cloth or disposable coveralls) ● Clean/freshly sanitized footwear covering (rubber or plastic); if not entering house, footwear only. ● Sanitize hands ● If entering poultry house(s), must sign visitor log 	<ul style="list-style-type: none"> ● Clothes changed daily ● Clean and disinfect footwear (rubber or plastic boots) ● Sanitize hands ● Split placement procedures being developed 	<ul style="list-style-type: none"> ● Shoes free of visible material ● No drivers in house(s) 	<ul style="list-style-type: none"> ● Catchers must wear clean clothing and footwear at start of each shift ● Catchers must disinfect footwear between each farm ● Catchers must sanitize hands between each farm 	<ul style="list-style-type: none"> ● Shoes free of organic material ● Clean/freshly sanitized clothing (cloth or disposable coveralls) if entering house(s). ● Clean/freshly sanitized footwear covering (rubber or plastic); if not entering house, footwear only ● If entering poultry house(s), must sign visitor log
Vehicle	<ul style="list-style-type: none"> ● Identify Level 1* parking spot for all "non-farm-essential" vehicles ● Minimize vehicles on farm 	<ul style="list-style-type: none"> ● Park in Level 1* spot ● Wash and clean at least weekly 	<ul style="list-style-type: none"> ● Clean and fog chick delivery vehicle weekly ● Disinfect floor of cab between farms ● If it goes into house(s), clean and disinfect between farms 	<ul style="list-style-type: none"> ● Clean and disinfect cab and floor daily ● Wash outside at feed mill manager's discretion 	<ul style="list-style-type: none"> ● No personal vehicles on farm ● Routine truck and equipment washing ● Split placement procedures being developed 	<ul style="list-style-type: none"> ● Spray on and off farm ● Park in Level 1* spot ● If not equipped to spray, park in Level 2** spot ● Wash and clean at least weekly
Equipment	<ul style="list-style-type: none"> ● Only farm-dedicated equipment goes into house when birds present ● If not farm-dedicated, must be cleaned and disinfected 	<ul style="list-style-type: none"> ● Clean after use and disinfect prior to entering house 	<ul style="list-style-type: none"> ● Wash boxes after each use ● Leave pads on farm 		<ul style="list-style-type: none"> ● Routine truck and equipment washing 	<ul style="list-style-type: none"> ● Clean after use and disinfect prior to entering house
Visitor	<ul style="list-style-type: none"> ● Must be authorized ● Sign and maintain visitor log ● Lock non-essential "day-to-day" doors ● Signed Biosecurity Program Verification Statement from all labor 		<ul style="list-style-type: none"> ● Sign in and maintain log ● Protective footwear if only in non-production area ● Protective footwear, clothing and hairnet in production area ● Disinfect hands prior to entry 		<ul style="list-style-type: none"> ● Non-company, non-producer visitor present at loading must be approved 	
Other	<ul style="list-style-type: none"> ● Pest and animal control ● Dead bird disposal 	<ul style="list-style-type: none"> ● Visiting youngest to oldest birds is recommended 		<ul style="list-style-type: none"> ● No restrictions on feed scheduling and hauling 	<ul style="list-style-type: none"> ● Driver's boots must be free of organic material 	<ul style="list-style-type: none"> ● Annual agreement signed with company

*An area as defined in the producer's Farm Specific Biosecurity Plan that is out of the general traffic flow for farm-dedicated vehicles and equipment, and away from fan exhaust.

**An area as defined in the producer's Farm Specific Biosecurity Plan that is at least 100 feet from poultry house(s) and isolated from traffic areas.



Best Management Practices: Level 2 Risk

Level 2 Risk is defined as "A serious disease is present on a farm or set of farms, or a farm or set of farms has been identified as high risk exposure to a serious disease." Examples of serious disease include Laryngotracheitis, Mycoplasma and Fowl Cholera.

BEST PRACTICE	PRODUCER/HIRED HELP	FLOCK SUPERVISOR	HATCHERY	FEED MILL	LIVE HAUL	VENDOR
Personal Protective Equipment (PPE)	<ul style="list-style-type: none"> Clean/freshly sanitized clothing (cloth or disposable coveralls) or farm-dedicated clothing Clean/freshly sanitized footwear covering (rubber or plastic) or farm-dedicated footwear 	<ul style="list-style-type: none"> Clean disposable coveralls Footwear covering (disposable only); double booting Sanitize hands, spray shoes and floor boards 	<ul style="list-style-type: none"> Clean disposable coveralls at each farm Footwear covering (disposable only) Sanitize hands Split placement procedures being developed 	<ul style="list-style-type: none"> Clean disposable coveralls Footwear covering (disposable only) Sanitize hands, spray shoes and floor boards 	<ul style="list-style-type: none"> Catchers must wear clean clothing and footwear at start of each shift Catchers must disinfect footwear between each farm Catchers must sanitize hands between each farm Split placement procedures being developed 	<ul style="list-style-type: none"> Clean disposable coveralls Footwear covering (disposable only) Full dress, even if not entering house(s) Sanitize hands, spray shoes and floor boards
Vehicle	<ul style="list-style-type: none"> Identify Level 2* parking spot for all "non-farm-essential" vehicles Minimize vehicles on farm Disinfect all vehicles beyond Level 2* parking 	<ul style="list-style-type: none"> Park in Level 2* spot Spray tires and undercarriage on and off farm Wash and clean at least daily Insect control 	<ul style="list-style-type: none"> Clean and fog chick delivery vehicle after each Level 2* farm Disinfect floor of cab between farms If it goes into house, clean and disinfect between farms Spray tires on and off farm 	<ul style="list-style-type: none"> Spray tires and undercarriage on and off farm Disinfect cabs and floors daily Wash outside following Level 2* farm visits 	<ul style="list-style-type: none"> No personal vehicles on farm Intensified truck and equipment washing Split placement procedures being developed 	<ul style="list-style-type: none"> Visit must be approved by Perdue Spray on and off the farm Park in Level 2* parking spot
Equipment	<ul style="list-style-type: none"> Only farm-dedicated equipment goes into house(s) when birds present If not farm-dedicated, must be cleaned and disinfected 	<ul style="list-style-type: none"> Clean after use and disinfect prior to entering house 	<ul style="list-style-type: none"> Fog boxes on vehicle before entering hatchery Wash boxes after each use Leave pads on farm 		<ul style="list-style-type: none"> Intensified truck and equipment washing 	<ul style="list-style-type: none"> Clean after use and disinfect prior to entering house(s)
Visitor	<ul style="list-style-type: none"> Must be authorized Sign and maintain visitor log Lock non-essential "day-to-day" doors Signed Biosecurity Program Verification Statement from all labor 		<ul style="list-style-type: none"> Sign in and maintain log No visitors who have been to live poultry/processing same day No tours or cross-training Full dress in all areas 		<ul style="list-style-type: none"> Non-company, non-producer visitor present at loading must be approved 	
Other	<ul style="list-style-type: none"> Pest and animal control Dead bird disposal Avoid public places with producer traffic 	<ul style="list-style-type: none"> Service order directed by live production management and regional vet; young birds generally should be visited last 	<ul style="list-style-type: none"> Deliver Level 2* farms last 	<ul style="list-style-type: none"> Must schedule Level 2* farms to allow for washing No split loads to Level 2* farms without washing Must rerun Level 2* feed pickup 	<ul style="list-style-type: none"> Driver's boots free of organic material Catch Level 2* farms last Choose routes to minimize exposure to other farms Driver stays in truck; crew leaders will secure loads 	<ul style="list-style-type: none"> Annual agreement signed with company If work is done on Level 2* farm, no visits to other farms in same day



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Biosecurity Risk Assessment ⁵

Objectives

- Judge biosecurity risk in a quantitative way
- Help flock supervisors and farm owners understand and discuss “risky” practices
- Use this tool to manage the risk

Introduction

- Poultry producers make regular determinations for management, nutrition, health programs, etc. based on quantitative data and cost effectiveness
- Biosecurity decisions should also be made the same way













**NO
TRESPASSING**

**RESTRICTED
ADMITTANCE**
AUTHORIZED
PERSONNEL
ONLY





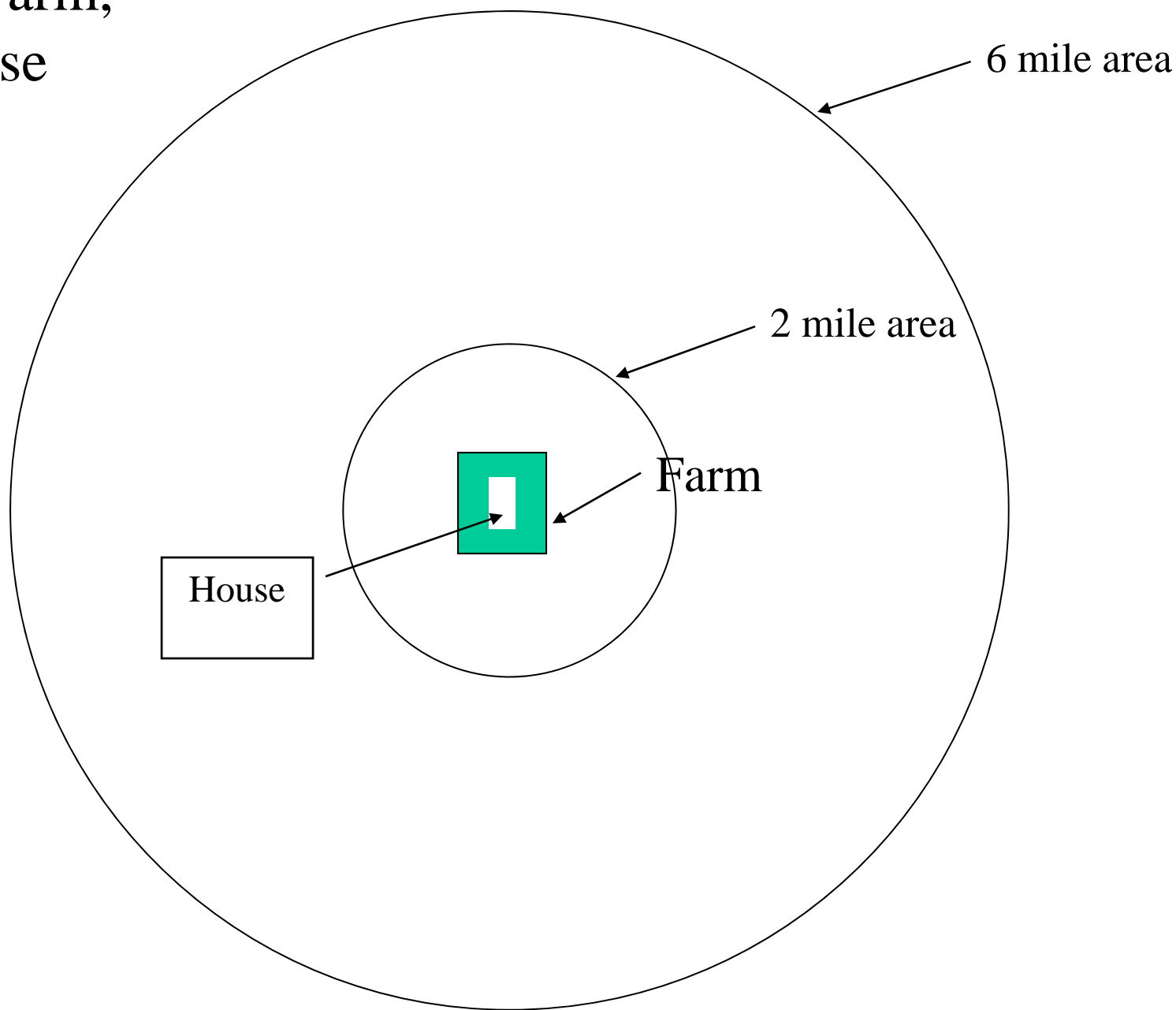








Area, Farm,
House



Assessment Scores: Not a continuous (1-10) scale (large increments used clearly delineate risk levels)

- 0: Zero risk or as close to zero risk as could practically be expected under commercial poultry conditions
- 4: Acceptable risk within a framework of good farm practices
- 16: High risk
- 64: Unacceptable Risk

Area: Example of Disease History Questions

64

16

4

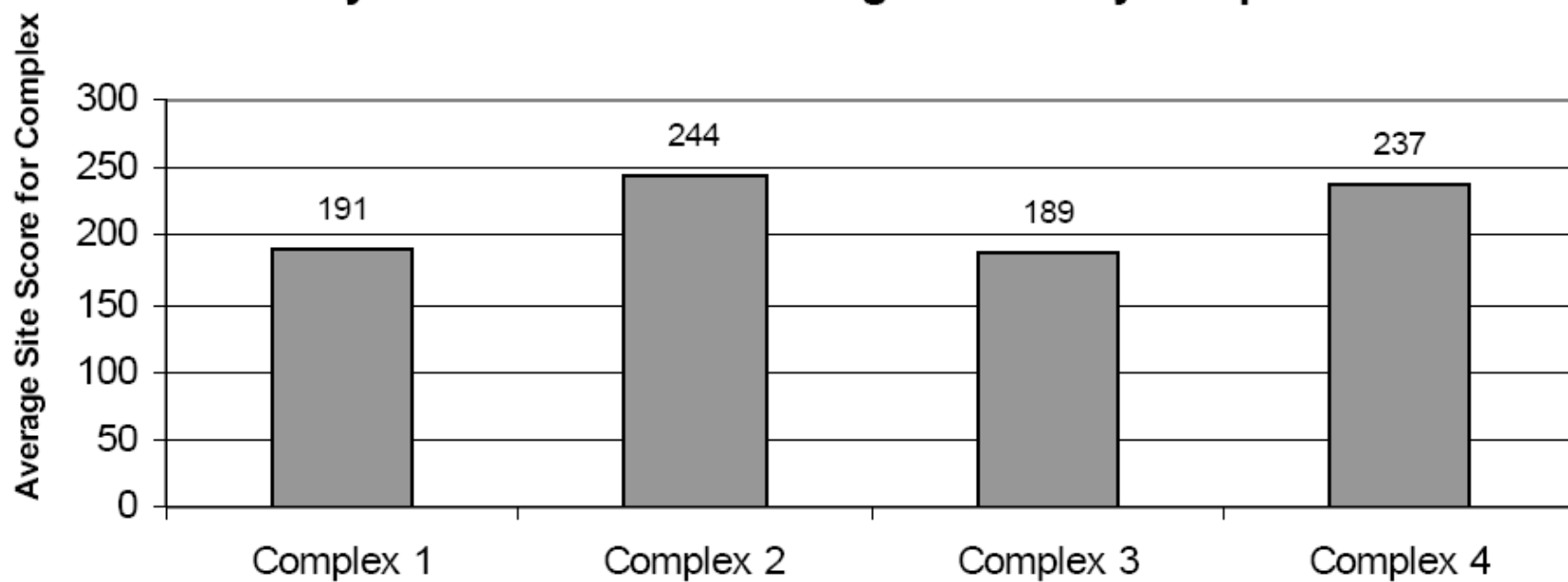
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DISEASE HISTORY

Circle the correct response with regard to the most recent disease outbreaks (including this farm) within 6 miles of the farm:

ILT	-	<u>last 12 months</u>	<u>last 3 years</u>	> 3 years
Avian Influenza in commercial poultry (chickens, turkey, ducks, etc) - low path	<u>last 12 months</u>	<u>last 3 years</u>	<u>last 10 years</u>	> 10 years
Avian Influenza in commercial poultry (chickens, turkey, ducks, etc) -other than low path	<u>last 12 months</u>	<u>last 3 years</u>	<u>last 10 years</u>	> 10 years
Avian Influenza in avian species other than commercial - poultry	-	<u>last 12 months</u>	<u>last 3 years</u>	> 3 years
<u>exotic</u> ND or VVND in commercial poultry (chickens, turkey, ducks, etc)	<u>last 12 months</u>	<u>last 3 years</u>	<u>last 10 years</u>	> 10 years
<u>exotic</u> ND or VVND in avian species other than commercial poultry	-	<u>last 12 months</u>	<u>last 3 years</u>	> 3 years

Biosecurity Risk Assessment Average - 4 Poultry Complexes



Sample Complex, 209 Farms
Mean = 190

