

ATEXAS A&M GRILIFE EXTENSION Biosecurity and Sanitation ▶ What is "Biosecurity"? ▶ Protecting your birds from disease ▶ What is a vector? Something that may transmit a disease ▶Rodents, birds, insects, shoes, car tires, shared equipment, best friend, pet, feed, water, dust, air....

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ATEXAS ASM GRILIFE EXTENSION **Biosecurity** Strategies to control disease causing organisms and their carriers (vectors). ▶ Protect poultry flocks from any type of infectious agent. viral, bacterial, fungal, or parasitic ▶ Control transmission of disease from flock to flock. Preventative measures ▶ Biosecurity is the cheapest, most effective means of disease control available.

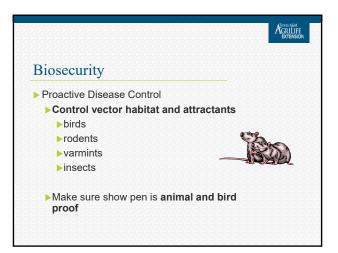
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ATEXAS A&M GRILIFE EXTENSION Major Components to Biosecurity Flock Management Isolation Traffic Control Cleaning/Sanitation



ATEXAS ASM GRILIFE EXTENSION **Biosecurity** ▶ Proactive Disease Control ▶Keep pets and "yard birds" away from the show pen ▶No trading or uniformed buying – quarantine new birds ▶ Dedicated footwear/clothing or disposable coveralls and boot covers for bird premises ▶ Hand washing





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Disease/Health Checks

Natch for symptoms such as:
Coughing, sneezing, watery eyes, ruffled feathers, loss of feathers, excessive picking, labored breathing and sudden drops in production and feed or water consumption
Eliminate unhealthy or nonproductive birds

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VFD

As of January 1, 2017, all medically important antibiotics to be used in feed or water for food animal species require a Veterinary Feed Directive (VFD) or a prescription.

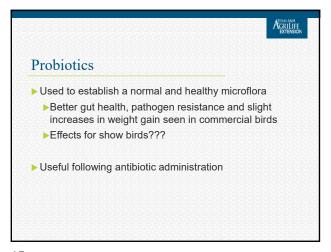
FDA requires veterinary oversight whenever medically important antibiotics are administered to any food animal species via feed or water, even if the animals are not intended for food production. From pet rabbits and pigs, to backyard poultry, to large livestock farms, the same restrictions apply.

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Drugs Transitioning From OTC to VFD Status GRILIFE (from FDA website) Aureomycin, CLTC, CTC, Chloratet, Chlorachel, ChlorMax, Chlortetracycline, Deracin, Inchlor, chlortetracycline (CTC) Pennchlor, Pfichlor chlortetracycline/sulfamethazine Aureo S, Aureomix S, Pennchlor S Aureomix 500, Chlorachel/Pficlor SP, Pennchlor SP, ChlorMax SP chlortetracycline/sulfamethazine/ penicillin hygromycin B Hygromix oxytetracycline (OTC) TM, OXTC, Oxytetracycline, Pennox, Terramycin oxytetracycline/neomycin Neo-Oxy, Neo-Terramycin Penicillin, Penicillin G Procaine sulfadimethoxine/ormetoprim Rofenaid, Romet Tylan, Tylosin, Tylovet Tylan Sulfa G, Tylan Plus Sulfa G, Tylosin Plus tylosin/sulfamethazine Sulfamethazine virginiamycin Stafac, Virginiamycin, V-Max

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Other Health Issues

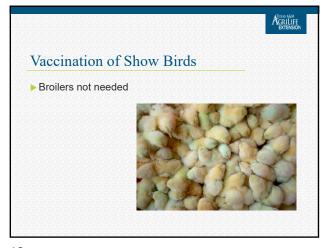
Colibacillosis – E. coli infection
Air sac Infection – poor air quality
Ammonia irritation – poor air quality, wet litter
Coccidiosis – dirty conditions, poor litter quality
Ascites (flip-over) – over heating, stress, fast growth

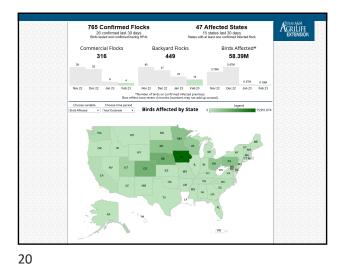
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Commercial Flocks

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**Subset of flocks and ordered reflected previous.

Detections by Month
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Commercial Flocks

Backgrant Flocks

Bac

How does the AI spread in birds?

Al is spread by direct contact between birds, and through indirect contact with virus contaminated equipment and materials.

The virus is spread by in the feces of infected birds or through secretions from the nose, mouth and eyes.

Exposure to infected fecal material is the most common mode of bird-to-bird transmission.

Wild ducks often introduce AI into domestic flocks raised on range or in open flight pens through environmental fecal contamination.

The spread of avian influenza between poultry premises almost always follows the movement of contaminated people and equipment.

Airborne transmission from farm to farm is highly unlikely under usual circumstances.

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Symptoms of Avian Influenza

• Birds that are infected with highly pathogenic avian influenza are more severely ill and could exhibit one or more of the following clinical signs:

• Sudden death

• Lack of energy and appetite

• Decreased egg production

• Soft-shelled or misshapen eggs

• Swelling

• Purple discoloration

• Nasal discharge

• Coughing, sneezing

• Lack of coordination and diarrhea