Questionnaire

Risk Assignment of Antibiotics Resistance in Boilers Poultry Farms in Jordan

We're conducting research on the effect and relationship of farming practices on antimicrobials resistance on *E. coli*. The survey should only take 10 minutes. We would appreciate your time taken to complete this survey.

Farm owner:  
Address:  
Phone number:  
Farm capacity:  
Date:  

Part 1: farm location and design

- In which geographical area your farm is located?
  - □ valley  □ plain  □ mountain  □ desert

- What is the direction of your poultry house?
  - □ south to north  □ east to west
• How far your farm is located from the high way and noise?
  □ on the high way □ far from the high way

• What is the type of ventilation system in your farm?
  □ natural □ mechanical

• Dose the farm apply "all in all out" policy?
  □ Yes □ No

• Is your farm composed of one or many houses
  □ One □ Many

• How far is your farm in relation to neighboring farms
  □ isolated □ very close

• Do wild birds have access to the poultry house?
  □ Yes □ No

• Are rodent present on your farm's facilities?
  □ Yes □ No

• Dose the farm have pest control protocol?
  □ Yes □ No

• How many times the trash (liter) is discarded from your farm?
Part 2: Water and feed supplement

- What is the present form of your farm feed material?
  - □ grounded
  - □ pellets

- What is the water source used at your farm?
  - □ Municipalities water
  - □ artesian well

- What is the type of water tanks?
  - □ cement
  - □ plastic
  - □ metal

- How many times is the water tank cleaned?
  - □ monthly
  - □ when needed
  - □ between cycles
  - □ none

- How many times is the water tanks disinfected?
  - □ monthly
  - □ when needed
  - □ between cycles
  - □ none

- Type/s of disinfectant used.
  - □ one type
  - □ mixed types
Part 3: Biosecurity and management

- Is the farm building disinfected before introduce the new chicken flock?
  □ Yes  □ No

- Do you clean and disinfect feeders and drinkers before introduce the new chicken flock?
  □ Yes  □ No

- Do you use disinfectant at the farm entrance to disinfect visitors’ boots and vehicles tires before entering the farm?
  □ Yes  □ No

- How many times do you disinfect your poultry houses?
  □ during the cycle  □ between cycles  □ when needed  □ never

- Do the workers wear protective clothes when handling the birds?
  □ Yes  □ No

- Does the workers change or disinfect their outfit when they work between different houses?
  □ Yes  □ No

- Is the farm entrance is restricted for unauthorized traffic?
  □ Yes  □ No

- Number of people working in the farm.
  □ one worker  □ more than one worker
Part 4: Diseases and antimicrobial used

- What are the most common diseases in your farm?
  □ Yes                   □ No

- Dose the farm keep records of daily mortality?
  □ Yes                   □ No

- Dose the farm apply a specific vaccination program?
  □ Yes                   □ No

- What do you use antibiotics for?
  □ Disease treatment     □ Disease prevention   □ Growth promoter

- If you use antibiotics for growth as promoter, please list the main ones that you use:

- If you use antibiotics for disease prevention, please list the main ones that you use:

- Do you get a prescription from your veterinarian before getting antibiotics for your flock?
• Does your veterinarian see your sick chickens and do necropsy before prescribing antibiotics?
  □ Yes  □ No

• If you treat your animals yourself, where do you get information on how to do so?
  □ Veterinarian  □ Feed store  □ Friends/neighbors  □ Training  □ Other

• Do you keep antimicrobials in your farm?
  □ Yes  □ No

• When a treatment doesn’t work, what do you do?
  □ Increase the dose  □ Change drugs  □ Increase the treatment period

• When you buy antibiotics, what factors do you take into account?
  □ Price  □ Brand  □ Packaging
  □ Quality  □ Easy to obtain
  □ Recommendation of the vet/vendor  □ Previous experience
• Frequency of antibiotic use during the growing period?

  

• Do you perform antibiotic sensitivity testing before giving treatment to your flock?

  □ Yes  □ No

• How often does the veterinarian visit your farm?

  

• Do you know what drug withdrawal/withholding times are?

  □ Yes  □ No

• Have you ever observed any complications/side effects after administering antibiotics?

  □ Yes  □ No