

Reduce the need for antimicrobials in agrifood systems

When developed over time, a biosecurity plan will help you prioritize and manage your biosecurity risks. This pig biosecurity checklist represents the best practices for protecting your pigs from the introduction and spread of pests and diseases. To develop your pig biosecurity plan in stages, tick Y for the practices you currently do, N for those you don't, NR for those irrelevant to your farm and P for those currently high priority to address. Choose 1-3 priority actions at a time to focus on. Draw a basic farm map below, noting the key entry and exit points, clean and dirty zones, pig housing structures and any demarcated waste sites.

STRENGTHEN FARM
BIOSECURITY FOR HEALTH
AND WEALTH

PIG
BIOSECURITY
PLAN

Protect your pigs from pests and diseases
for improved health and wealth.

Plan completed by _____
 Date completed _____
 Farmer name/s _____
 Farm worker name/s _____
 Animal health professionals:
 Name _____ Contact _____

FARM MAP



Pig Health

Y N NR P

1

**Do you check the health and welfare of your pigs daily?
Sick pig treatment:**

- Do you identify and isolate sick pigs from the main group in a quarantine area?
- Do you keep them in quarantine for at least 7 days after signs of illness have resolved?
- Do you seek animal health professional advice for sick animals?

Do you keep records of:

- Sick or injured pigs and pig treatments?
- Pig deaths?

Segregation

Y N NR P

2

Do you ensure that pigs do not have contact with other livestock or wild pigs?

- Are your pigs contained separately to other livestock?
- Are they prevented from roaming freely or breeding with wild pigs?

Do you separate different pig types and ages?

- Do you have separate pens for growers, breeding sows and boars?

How do you introduce new pigs?

- Do you ensure that breeding stock and replacement pigs are obtained from a reliable source?
- Do you make sure they are in good health before buying them?
- Do you keep new pigs away from the existing herd for at least 30 days and observe pigs for signs of disease before introducing them to the herd?

Feed and Water Sources

Y N NR P

3

Does everyone who feeds pigs on your farm:

- Understand what prohibited pig feed (swill) is?
- Understand they must not feed prohibited pig feed (swill) to pigs?

Do you:

- Provide accessible, clean drinking water at all times?
- Prevent access of pigs and other livestock on farms to carcasses, rubbish, dump sites, stockfeed waste, open water sources and human latrines/toileting sites?
- Avoid pig feed getting wet or accumulating moisture to avoid aflatoxins?
- Keep records of any commercial feed provided to your pigs (e.g., invoices, vendor declarations etc.)?

Whilst not recommended, where pig swill feed is fed to your pigs:

- Is it boiled for 30 minutes and cooled down before feeding to your pigs?

Pig Disease Outbreak Preparedness

Y N NR P

4

Do you know:

- Who to call to notify if you see unusual signs of disease or suspect a significant pig disease outbreak?
- What disease signs in humans might be related to disease in your pigs?

Do you have a plan for:

- Quarantining pigs for at least four weeks if movements were not allowed?
- Humanely culling pigs on-site if required?
- Disposing of pig carcasses if required (e.g., deep burial or burn)?

PIG BIOSECURITY PLAN

Shed, Equipment and Transport

Y N NR P

5

Do you have well-designed pig pens/sheds?

- Are the pig pens/sheds in a fenced area, at a distance away from other pigs in your community?
- Are the roof, wall and floors constructed to allow free air flow and proper drainage?
- Can the floors easily be cleaned?

Do you practice good cleaning and disinfection?

- Do you keep the pig farm and individual sheds clean throughout the production cycle (floors, walls, roofs, mesh)?
- Do you make sure that equipment used on the farm and the interior of pig pens are cleaned regularly (drinkers, feeders, any other tools used)?
- Do you maintain a schedule for cleaning and disinfecting pens/sheds?
- Do you provide dedicated equipment, clothing and footwear for use in each shed?
- Do you clean and disinfect pig pens before the arrival of new pigs?
- Do you use disinfectant regularly?
- Do you consistently follow the manufacturer's instructions for preparing disinfectant solutions, for commercial disinfectants?
- Do you consistently prepare the correct solutions for other disinfectants according to the guidance?
- Do you clean and disinfect pig pens after a disease has spread in your herd?
- Do you ensure that hand wash stations exist on farm premises so people can wash their hands before and after entering sheds?
- Are footbaths appropriately used at the entrance of the pig shed at all times (with the provision of a scrubbing brush for boots)?
- Do you ensure that footbaths are replenished with fresh disinfectant solution daily?
- Do you use tyre dips/sprays for transport and visitor vehicles?
- Do you clean and disinfect transport vehicles before and after transporting pigs?
- Do you use a pig trader/transporter that adheres to biosecurity principles and practices?

Other Animals, Pests, Waste and Slaughter

Y N NR P

6

Do you attempt to reduce pests and wild birds encountering your pigs?

- Do you keep the area around pig sheds/pens clear and free of stagnant water to reduce the breeding of insects?
- Do you practice insect and rodent control in your pig sheds?
- Do you attempt to keep wild birds and bats away from your pigs and their water supply?

Do you practice good waste disposal?

- Do you have waste disposal sites?
- Are they well-demarcated and a safe distance away from the pig sheds?
- Are dead pigs immediately removed from pig pens?
- Do people have appropriate protective clothing and follow hand hygiene procedures after disposing of dead pigs?
- Do people have appropriate protective clothing and follow hand hygiene procedures when attending animal birthing and removing reproductive waste?
- Are people engaged in waste disposal activities (including dead animals) or animal birthing restricted from handling pigs immediately after?
- Do you transport dead pigs to disposal sites using leakproof materials to prevent contamination of the pig sheds and environment?
- Do you minimize the presence of scavenging birds and rodents at disposal sites by following standard procedures for waste disposal (e.g., deep burial or burning)?

Do you use good slaughter practice?

- Do you wash hands with soap and water before and after slaughtering pigs?
- Do you wear personal protective equipment (gloves, mask, overalls, boots) when slaughtering pigs?
- Do you clean and disinfect slaughter floor and equipment after each use?

Do you discard slaughter waste properly?

- Not reuse the water used to slaughter/prepare pigs for cooking?
- Not feed uncooked organs/body parts to dogs?

Farm Workers/Pig Attendants

Y N NR P

7

Are farm workers trained in the following practices?

- Wash hands, change clothes and footwear before entering the farm and shed area.
- Wear protective clothing and footwear when carrying out farm operations.
- Footwear scrubbed and disinfected when moving between pig herds.
- Movement around the farm coordinated to minimize unnecessary contact with pigs.
- Do not handle pigs on the farm when sick.
- Clothing should be changed when leaving the farm.
- Avoid pig rearing activities outside the farm.
- Avoid visiting other livestock farms, slaughterhouses, and live animal markets as much as possible.
- Avoid working in dirty areas prior to working in pig sheds.
- Avoid engaging with pigs after doing dirty farm work (e.g., cleaning pens, effluent management)

Do you:

- Provide protective clothing for all farm workers that is clean and comfortable?
- Assign farm workers to specific pig pens to minimize the risk of routine contact with different groups of pigs?

Are pig attendants aware of zoonotic disease transmission risks?

- Contact with pig urine, blood, birthing fluids/waste? Practice good hygiene to avoid.
- Do not eat pigs that have died of sickness or disease.
- Do not eat undercooked pig meat or offal.
- Where masks when attending to a herd that has significant signs of respiratory disease and/or mass deaths and notify animal health authorities immediately.

Farm Visitors

Y N NR P

8

Do you:

- Control access to your pigs and pig sheds by visitors, contractors and equipment?
- Minimize visitors to persons needed on the farm, such as community animal health workers, para-veterinarians, veterinarians, animal production officers and other categories of agricultural extension workers?
- Restrict pig traders/transporters accessing pig sheds/pens?
- Restrict people who also keep pigs or frequently visit other pigs visiting your pigs?
- Have signs explaining biosecurity rules at the entrance to your farm and pig sheds?
- Have clean areas (where your pigs are housed and handled) and dirty areas (other parts of the property where access is less controlled) on your property?
- Record people's movements into and out of your pig sheds?

Do you consistently ask visitors:

- Have they had contact with other animals in the last 48 hours?
- Have they been sick with respiratory or gastrointestinal signs in the last 48 hours?
- Have they recently returned from far-distance travel?