

## PERSONNEL RESPONSIBILITIES

All personnel on site are required to:

- Maintain high levels of personal hygiene
- Work according to site specific standard operating procedures
- Apply site specific hazard analysis and critical control point biosecurity methods
- Recognise potential infection indicators
- Be prepared for emergency protocols
- Wear clean farm-dedicated PPE
- Do not keep birds at home. Off-site responsibilities also include avoiding bird hunting, bird shows, exhibitions and zoos at least 72 hours before entering the site
- All personnel must be provided with the appropriate training for their role and responsibilities
- All personnel must sign a 'personnel declaration form' before entering the site
- Personnel must declare to the employer if any of their responsibilities may have been breached

## LEAVING THE SITE

- Track and record all outputs leaving the site (people, vehicles, equipment, manure, feed and birds)
- Personnel must wash hands and change into clean clothing and footwear before leaving the site and each chicken house

## FURTHER INFORMATION

This guide is produced by Global Initiative for Sustainable Eggs (GISE) as part of the Future Farm Standards. GISE would like to recognise and thank the IEC Avian Influenza Global Expert Group for their contribution.

Copies of this guide may be found online at [www.internationalegg.com](http://www.internationalegg.com).

## IMPLEMENTATION

It must be recognised that each production system will have a different spectrum of components and operating environments. GISE recommends that the Biosecurity Guide is implemented appropriately according to specific sites and structures.

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**Global Initiative**  
for Sustainable Eggs

# PRACTICAL ELEMENTS OF **BIOSECURITY** FOR SUSTAINABLE EGG PRODUCTION



**Future Farm Standards**

# INTRODUCTION

This leaflet may be used as an on-site tool to help implement operational practices that reduce biosecurity risks such as infection and avian disease.

## ENTERING THE SITE

- Track and record all inputs entering the site (people, vehicles, equipment, feed and birds)
- All vehicles should be left off-site unless essential
- All inputs at the site gate/chicken house door must be cleaned/disinfected using external cleaning stations and the appropriate method
- Personnel must wash hands and change into personal protective equipment before entering the site/each chicken house (showering is strongly recommended)

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

- All personnel on-site must use the following PPE:
  - Low tread, durable rubber boots (barn work)
  - Dedicated outdoor shoes
  - Farm dedicated clothing/coveralls
  - Hair nets
- PPE must be separated for inside and outside work
- All PPE must be regularly cleaned, disinfected and renewed

## EQUIPMENT MAINTENANCE

- Maintain cleaning and disinfection stations
- Clean footbaths regularly
- Clean and re-stock showers regularly (if applicable)
- Maintain barn wired sides/barn is fully enclosed

## HAZARD ANALYSIS/CRITICAL CONTROL POINT (HACCP)

A system must be used to identify site specific hazards and implement monitoring and control procedures to prevent/eliminate hazards or reduce them to an acceptable level.

Hazards for HACCP include:

- All site inputs and outputs
- Personnel
- Equipment bedding/manure movement
- Feed and water contamination
- Environment surrounding the site
- Surface water contamination
- Rodents/pests
- Wild birds
- Outdoor access

HACCP should:

- Establish which inputs may introduce hazards
- Consider what hazards are likely to be introduced (biological, physical or chemical)
- Establish the severity and risk of the hazards
- Consider how significant the hazards are (likelihood of occurrence and the severity/impact)
- Establish a system to recognise and record hazards
- Consider measures to control hazards
- Determine hazard critical control points
- Establish critical limits for each critical control point
- Establish a monitoring system for each critical control point including corrective action plans and a recording process
- A copy of the site-specific HACCP's must be available to all personnel on-site
- HACCP's must be regularly monitored and updated for accuracy
- HACCP's must be regularly audited by trained personnel

## STANDARD OPERATING PROCEDURES (SOP'S)

A site specific operational system must be implemented to prevent, reduce or eliminate all biosecurity hazards recognised in the site specific HACCP.

- Site specific operating procedures should include:
  - Hygiene practices and disinfection procedures
  - 'All in/all out' principles or operational/structural barn separation
  - Weather considerations
  - Control/record all farm inputs/outputs
  - Off-site selling of eggs and birds
  - Manure management
  - Flock monitoring programs
  - Control/index of rodents/pests
  - Appropriate sanitation systems for feed and water supply
  - Approved off-site disposal of waste and litter
  - Approved off-site disposal of dead birds
- A copy of the site-specific SOPs must be available to all personnel on site
- SOPs must be regularly monitored and updated for accuracy
- SOPs must be regularly audited by trained personnel

## AVIAN INFLUENZA (AI) TESTING

- Perform AI testing according to regional/national surveillance programmes
- AI testing should be performed as soon as early signs/symptoms are detected
- Regularly perform AI testing for passive surveillance
- Veterinary professionals should regularly survey on-site AI testing programmes
- Increase AI testing during an outbreak for flocks with epidemiological ties
- It is recommended that any mortalities within 14 days prior to moving a flock are AI tested
- AI testing programmes must be regularly monitored and updated for accuracy