THE COCO BIOMEDICAL SHIELD™

Quick Guide to Preventive Poultry Health & NAE Readiness

PREVENTION BEFORE MEDICATION.

Building healthier flocks through biosecurity, sound nutrition, environmental management, disease prevention and accountable farm practices.

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1. INTRODUCTION

What is the Coco Biomedical Shield™?

The Coco Biomedical Shield™ is a preventive poultry-health framework developed by Nojo Farms Limited.

It is built around one fundamental principle:

The best approach to poultry health is to prevent disease wherever possible rather than depend on routine medication to manage avoidable problems.

The framework integrates five essential pillars of poultry management to help farms reduce disease risks, strengthen flock health and establish the operational foundations for responsible No Antibiotics Ever (NAE) table-egg production.

The five pillars are:

1. ENTRY – Biosecurity and controlled access.
2. BUILD – Nutrition, water and bird resilience.
3. DEFEND – Environmental hygiene and disease prevention.
4. CONTROL – Monitoring, early warning and response.
5. DETECT – Records, traceability and accountability.

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2. THE FIVE SHIELDS

SHIELD 1: ENTRY

Biosecurity & Controlled Access

Objective: Prevent disease-causing organisms from entering the farm and spreading between poultry houses.

Key practices:

- Control the entry of people, vehicles, equipment and supplies.
- Maintain visitor and vehicle registers.
- Restrict unnecessary farm access.
- Establish appropriate footwear, clothing and hand-hygiene procedures.
- Separate different age groups and production units.
- Source birds from reputable, identifiable suppliers.
- Establish quarantine and observation procedures for incoming birds.

The principle: Disease prevention begins at the farm entrance.

SHIELD 2: BUILD

Nutrition, Water & Bird Resilience

Objective: Support healthy birds through appropriate nutrition, clean water and good management.

Key practices:

- Provide nutritionally appropriate feed for each production stage.
- Maintain proper feed storage and prevent contamination.
- Ensure continuous access to safe drinking water.
- Monitor feed and water consumption.
- Investigate sudden changes in consumption.
- Maintain appropriate stocking density and access to resources.
- Monitor body weight, uniformity and flock development.

The principle: Healthy birds require sound nutrition, clean water and consistent management.

SHIELD 3: DEFEND

Environmental Hygiene & Disease Prevention

Objective: Reduce environmental conditions that encourage disease transmission.

Key practices:

- Establish documented cleaning and disinfection procedures.
- Maintain appropriate ventilation and house conditions.
- Manage litter, manure, drainage and dust.
- Implement rodent, insect and wild-bird control.
- Remove dead birds promptly and hygienically.
- Maintain effective equipment sanitation.
- Follow a veterinarian-supported vaccination programme.

The principle: A well-managed poultry environment is an important line of defence against disease.

SHIELD 4: CONTROL

Monitoring, Early Warning & Response

Objective: Detect health and production problems early enough to respond appropriately.

Key practices:

- Monitor daily mortality and culling.
- Record feed and water consumption.
- Monitor egg production and egg quality.
- Observe bird behaviour and physical condition.
- Investigate unusual mortality or production declines.
- Establish farm-specific warning thresholds.
- Maintain an outbreak-response procedure.
- Seek professional veterinary assistance when necessary.

The principle: Early detection reduces the risk of small problems becoming major farm losses.

SHIELD 5: DETECT

Records, Traceability & Accountability

Objective: Establish a verifiable system for monitoring flock health, farm inputs and egg production.

Key practices:

- Maintain accurate flock registers.
- Record vaccination and medication history.
- Document mortality and production performance.
- Maintain feed supplier and batch records.
- Record all treatments, including the reason and birds treated.
- Link egg batches to their originating flock and production date.
- Identify and segregate eggs from treated birds according to applicable NAE requirements.
- Review records regularly and implement corrective actions.

The principle: What cannot be documented cannot be reliably verified.

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3. PUTTING THE FIVE SHIELDS INTO PRACTICE

The Coco Biomedical Shield™ should operate as a continuous farm-management process.

STEP 1: ASSESS

Evaluate the farm's current biosecurity, nutrition, environmental conditions, flock health and recordkeeping.

STEP 2: PRIORITISE

Identify the most significant disease-prevention and operational weaknesses.

STEP 3: IMPLEMENT

Introduce practical corrective measures and assign responsibilities to farm personnel.

STEP 4: MONITOR

Track flock health, mortality, feed consumption, water consumption and egg production.

STEP 5: VERIFY

Review records and confirm that preventive measures are consistently implemented.

STEP 6: IMPROVE

Address recurring weaknesses and continuously strengthen farm-management practices.

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4. DAILY FARM SUPERVISOR CHECKLIST

A daily review should cover:

Checkpoint	Completed
Birds are alert and behaving normally.	☐
Mortality and culling are recorded.	☐
Feed availability and consumption are checked.	☐
Water availability and consumption are checked.	☐
Ventilation and house conditions are satisfactory.	☐
Cleaning and pest-control procedures are followed.	☐
Egg production and quality are monitored.	☐
Treatments and interventions are documented.	☐

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5. THE COCO BIOMEDICAL SHIELD™ AND NAE PRODUCTION

The Coco Biomedical Shield™ provides a preventive-management foundation for farms pursuing No Antibiotics Ever table-egg production.

However, NAE production requires more than avoiding antibiotic administration.

It requires:

- Strong disease-prevention systems.
- Responsible veterinary oversight.
- Effective biosecurity.
- Reliable flock-health monitoring.
- Documented treatment controls.
- Egg-batch traceability.
- Verifiable production records.

An important animal-welfare principle:

NAE must never mean withholding necessary treatment from sick birds.

Where antibiotic treatment is clinically necessary, appropriate veterinary care and applicable regulations must take priority. Treated birds and their eggs must be managed according to the relevant NAE programme requirements and applicable standards.

An NAE claim must always be accurate and supported by evidence.

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6. YOUR FARM'S NEXT STEP

The Coco Biomedical Shield™ provides a structured way to evaluate and strengthen your farm's preventive-health practices.

Start by identifying one improvement under each of the five shields.

Shield| Priority improvement
ENTRY| _____
BUILD| _____
DEFEND| _____
CONTROL| _____
DETECT| _____

Assign responsibilities, establish deadlines and review progress.

ABOUT NOJO FARMS LIMITED

Nojo Farms Limited is committed to advancing responsible poultry production through strong biosecurity, preventive farm-health management and No Antibiotics Ever table-egg production.

Our philosophy is simple:

Clean Food. Strong Biosecurity. Better Farming.

NOJO FARMS LIMITED

No Antibiotics Ever (NAE) Table Eggs & Poultry Systems Advisory

Website: nojofarms.com

For training, technical consultancy and preliminary farm assessments, contact Nojo Farms Limited.
nojofarmslimited@gmail.com
Whatsapp: 08102700060

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