

# Biosecurity for Disease Prevention

## Safeguarding Poultry Health

The "Biosecurity for Disease Prevention" technology involves practices and strategies in poultry farming to prevent disease spread. It focuses on three main elements: isolation, traffic control, and sanitation, along with training for farmers and workers. This technology emphasizes early disease detection and diligent surveillance to minimize impact. Biosecurity is crucial throughout the poultry value chain, from breeding to feed processing, to protect against various pathogens, including those harmful to humans.

✓ This technology is **TAAT1 validated**.

8·7



Scaling readiness: idea maturity 8/9; level of use 7/9

Inclusion assessment **4**

Climate impact **7**

### Problem

- High risk of disease introduction and transmission due to large, concentrated bird populations.
- Diseases can cause mass culling and significant economic losses.
- Effective strategies are needed to prevent disease transmission.
- Certain diseases, like Salmonella and Avian Influenza, also threaten human health.

### Solution

- Implementing preventative measures such as isolation, traffic control, and sanitation.
- Emphasizing early disease detection through diligent surveillance.
- Offering training to poultry farmers and workers on the importance of biosecurity for health and profitability.
- Applying biosecurity practices across all stages of the poultry value chain, from breeding to processing.
- Protecting against a wide range of poultry pathogens, safeguarding both poultry and human health.

### Key points to design your program

**Biosecurity for Disease Prevention** can be integrated into poultry value chain development, livestock health, food safety, and sustainable livestock production programs to reduce disease outbreaks, improve poultry productivity, and strengthen farm profitability through improved biosecurity practices. Its adoption contributes to **SDGs 3, 5, 8, and 12**. To integrate this technology into your project, plan and budget for the following activities and prerequisites:

- **Design** secure poultry production facilities and **facilitate** the adoption of essential biosecurity measures.
- **Establish partnerships** with ILRI, veterinary services, poultry producer organizations, and extension services to support technology deployment.
- **Conduct** farmer training on biosecurity practices and disease surveillance, and **monitor** technology adoption, disease incidence, poultry productivity, and farmer awareness.

**0.036—0.076 USD**

Materials per birds



**International Livestock Research Institute (ILRI)**  
Adeniyi Adediran

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals



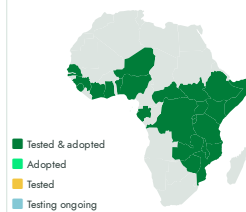
Categories

Production, Practices, Pest control (excluding weeds)

Best used with

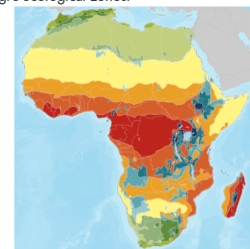
Poultry Vaccination against Newcastle Diseases, Value Addition to Poultry Manure  
See all 2 technologies online

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



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<https://taat.africa/fzg>

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Enquiries [e-catalogs@taat.africa](mailto:e-catalogs@taat.africa)