

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...



Technology from
ProPAS

Commodities
Poultry

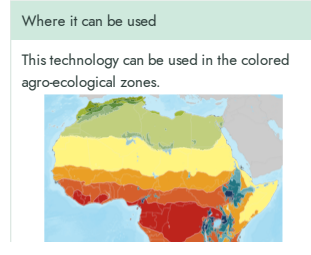
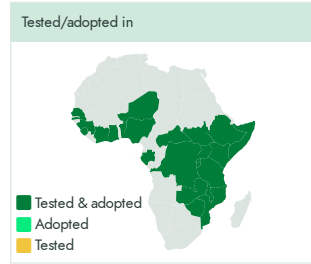
Sustainable Development Goals



Categories
Production, Practices,
Pest control (excluding weeds)

Best used with

- [Poultry Vaccination against Newcastle Diseases >](#)
- [Value Addition to Poultry Manure >](#)



✓ This technology is **TAAT1 validated**.

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

ROI: \$\$\$ **50 %**
 Veterinary costs reduced
0.036—0.076 USD
 Materials per birds

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

Biosecurity for Disease Prevention offers a comprehensive solution:

- It includes preventative measures like isolation, traffic control, and sanitation.
- Emphasizes diligent surveillance for early disease detection to reduce impact and spread.
- Promotes training for poultry farmers and workers to highlight the importance of biosecurity for health and profitability.
- Applies biosecurity measures at all stages of the poultry value chain, from breeding to processing.
- Protects against various poultry pathogens, addressing threats to both poultry and human health.

Key points to design your business plan For Manufacturers:

The biosecurity program prevents disease outbreaks in poultry farms, improving flock health and productivity while reducing long-term costs. Target customers include poultry equipment and veterinary product manufacturers, and both commercial and smallholder producers. Manufacturers should collaborate with veterinarians, agricultural extension services, and research institutes to stay updated and promote biosecurity practices.

For Users:

Biosecurity measures help poultry farmers reduce disease risk, treatment, and culling costs, leading to healthier flocks, increased egg production, and better profitability. Key partners include veterinarians, biosecurity product suppliers, and agricultural extension services. The cost is low (2-5% of total operations) with a cost/benefit ratio of 1:49.

Gender assessment 4

Climate impact 7



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<https://e-catalogs.taatafrica.org/com/technologies/biosecurity-for-disease-prevention>

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