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.

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This technology is TAAT1 validated.

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

Gender 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 project

Implementing biosecurity measures in poultry farming can enhance gender equality (SDG 5) by improving working conditions, particularly benefiting women. These measures also boost climate resilience by preventing disease outbreaks and reducing waste. Additionally, biosecurity supports various Sustainable Development Goals (SDGs), including good health (SDG 3), decent work (SDG 8), and responsible consumption (SDG 12).

To integrate biosecurity practices into your project, consider the following:

- Design secure premises with veterinarians and engineers.
- Engage with technology providers on the importance and profitability of biosecurity.
- Develop communication materials like flyers, videos, and radio broadcasts.
- Provide a team of trainers for installation, training, and support, including costs for these services.

Accompanying solutions include universal vaccination against Newcastle disease and adding value to poultry manure.

ROI: $$$ **50 %**

Veterinary costs reduced

0.036—0.076 USD

Materials per birds

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals

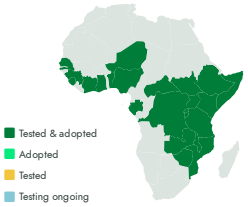
Categories

Production, Practices,
Pest control (excluding weeds)

Best used with

- Poultry Vaccination against Newcastle Diseases ›
- Value Addition to Poultry Manure ›

Tested/adopted in



Where it can be used

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