

Poultry Vaccination against Newcastle Diseases

Low-cost vaccination for poultry

The “Universal Vaccination against Newcastle Diseases” is a method for widespread vaccination in poultry. It includes thermostable vaccines, efficient logistics, easy application, and vaccinator training.



ND I-2 vaccine is available in small vials

ILRI
INTERNATIONAL
LIVESTOCK RESEARCH
INSTITUTE

International Livestock Research Institute (ILRI)
Tunde Amole



This technology is **TAAT1 validated**.

7/7



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

Gender assessment

3

Climate impact

6

Problem

- **High Mortality & Uptake:** Newcastle disease causes high mortality in poultry, with limited vaccine uptake.
- **Accessibility & Knowledge:** Vaccine access and disease knowledge are challenges.
- **Vaccination Issues:** Inconsistent application and poor systems hinder effective vaccination.

Solution

- **Thermostable & Broad Protection:** Withstands temperature variations and defends against diverse NDV strains.
- **Strong Immune Response & Ease of Use:** Triggers robust immunity with simple administration.
- **Safety & Long-lasting Protection:** Proven safe and effective, offering enduring protection.

Key points to design your project

The technology boosts women's empowerment, cuts carbon emissions, and aids SDGs 1, 2, and 5 by enhancing poultry health and income, and minimizing cold chain needs.

Adopting the “Universal Vaccination against Newcastle Diseases” technology involves:

1. **Stakeholder Engagement:** Engage all relevant parties.
2. **Awareness Raising:** Educate decision makers on family poultry benefits.
3. **Vaccine Selection:** Opt for a suitable vaccine like ND I-2.
4. **Training and Extension:** Plan and organize essential training covering vaccine characteristics, campaign organization, and progress monitoring.
5. **Cost-Recovery System:** Cover production, distribution, and administration costs, possibly through consumer payments or government subsidies. Focus on cost minimization if the vaccine is free.
6. **Vaccination Implementation:** Vaccinate all chickens simultaneously.
7. **Monitoring and Evaluation:** Track program progress and impact.

These activities should be systematically planned and executed.

0.02 USD

A dose of the ND I-2 vaccine, is inexpensive to administer

2.5 USD

per round of vaccination for 20 chickens

250 USD

local vaccination campaign at the village level



Open source / open access

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals



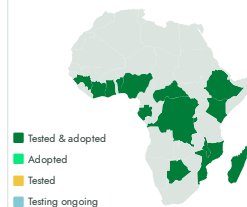
Categories

Production, Inputs, Animal healthcare

Best used with

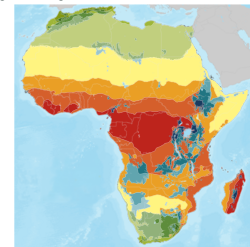
- [Biosecurity for Disease Prevention](#)

Tested/adopted in



Where it can be used

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



Target groups

Farmers



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<https://taat.africa/frv>

Last updated on 10 April 2025, printed on 15 May 2025

Enquiries e_catalogs@taat.africa