



# Poultry technologies Toolkit

This toolkit is a collection of technologies designed to optimize poultry production across Africa. These technologies have been selected to address the challenges encountered in poultry production and transformation, ensuring a more resilient and profitable poultry sector. By integrating these technologies into your projects or business plans, you can maximize yields whil...

10 TECHNOLOGIES | CREATED ON JUN 10, 2024 BY TAAT PROFILING TEAM | LAST UPDATED MAY 28, 2025


ND I-2 vaccine is available in



Un poulet se nourrissant d'asticots

## TECHNOLOGIES IN THIS TOOLKIT

- **Processing chicken meat for cold storage**
- **Semi-Automatic Incubator for artificial hatching**
- **Biosecurity for Disease Prevention**
- **Genetically Improved Poultry Breeds for Optimized Meat and...**
- **Special Chicken Breed**: Dual-Purpose Chicken for Small-Scale...
- **Low-Cost Cage and Free-Range Containment**
- **Poultry Vaccination against Newcastle Diseases**
- **Value Addition to Poultry Manure**
- **Mechanized Defeathering and Egg Sorting**
- **Local Production of Quality Affordable Poultry Feed**

https://taat.africa/jer

# Processing chicken meat for cold storage

## Preserving Quality, Expanding Opportunity: Value Addition for Poultry

*Processed poultry products popular with consumers*

The "Processing chicken meat for cold storage" technology is a streamlined method for poultry processing. It uses mechanized equipment to convert raw chicken into value-added products and includes cold storage for long-term preservation and transport. It's designed for small and medium enterprises, with cooperative models for capital and volume generation.

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

This technology is TAAT1 validated.

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

Gender assessment 4

Climate impact 6

## Problem

- **Live market sales:** Hurt farmer profits, risk public health, cause shortages.
- **Unmet demand:** Can't satisfy growing need for ready-to-cook chicken.
- **SME challenges:** Lack resources to build processing plants, limiting participation.

## Solution

- **Value addition and storage:** Converts raw chicken, enables long-term storage, ensures supply.
- **Hygiene and mechanization:** Ensures hygiene, uses mechanized processing.
- **SME empowerment:** Accessible tech, boosts participation in poultry.

## Key points to design your project

The "Processing chicken meat for cold storage" technology empowers women through income-generating roles in poultry. It promotes resource efficiency and waste reduction, aiding sustainable practices. Aligning with SDGs like Zero Hunger, Decent Work, and Responsible Consumption, it's a valuable tool for sustainable development and gender equality in government projects.

For successful integration in a project :

1. **Awareness and Training**: Educate breeders about the technology, covering equipment usage, hygiene, and cold storage management.
2. **Laws and Regulations**: Comply with food safety regulations and obtain necessary permits and licenses.
3. **Infrastructure Setup**: Assist breeders in procuring and installing equipment (e.g., cutting, deboning, chilling, refrigeration).
4. **Technical Support**: Provide ongoing assistance and troubleshoot issues.
5. **Monitoring and Evaluation**: Regularly assess adoption and impact using key indicators.

Remember to address both technical and regulatory aspects for effective implementatio

Cost: $$$ **500—1000 USD**

Prices of small electric processing machines

ROI: $$$ **303 %**

Internal return rate

**15,600 USD**

basic processing plant with defeathering, cutting and storage lines for 500 chicken per day

**IP**

Unknown

**Technology from**

ProPAS

**Commodities**

Poultry

**Sustainable Development Goals**

2 ZERO HUNGER · 8 DECENT WORK AND ECONOMIC GROWTH · 12 RESPONSIBLE CONSUMPTION AND PRODUCTION

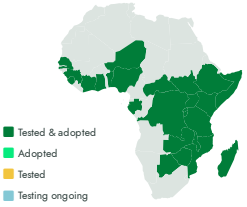
**Categories**

Transformation, Practices, Agri-food processing

**Best used with**

- Mechanized Defeathering and Egg Sorting ›

**Tested/adopted in**




**Where it can be used**

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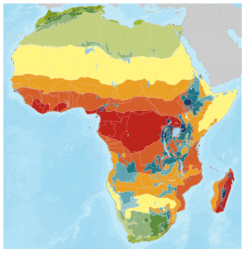


**Target groups**

# Semi-Automatic Incubator for artificial hatching

## Hatching Success, One Chick at a Time

This technology reproduces the natural incubation process on a larger scale. They are designed to accommodate 50 to 150 eggs at a time. They can be heated using kerosene or a battery-powered light bulb, offering an alternative to mains electricity.

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

This technology is TAAT1 validated.

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

Gender assessment 4

Climate impact 7

## Problem

- Limitation of natural incubation in producing chicks, with a capacity of only 10-12 chicks per hatch.
- Difficulty in responding quickly to the market demand for chicks.
- Risk of the spread of parasites and diseases in the natural incubation process.

## Solution

- This technology has the ability to hatch day-old chicks in just 21 days, increasing the capacity to produce a large number of chicks in a short time in response to market demand.
- High success rate of 85-90% in artificial incubation, increasing production efficiency.
- Reduced risk of the spread of parasites and diseases in the artificial incubation process.

## Key points to design your project

The Artificial Hatching in Semi-Automatic Incubators technology transforms poultry farming by accelerating chick production and ensuring a reliable supply. To integrate it in your project:

- Conduct awareness campaigns, assist in selecting incubators, and develop marketing strategies.
- Evaluate quantity, consider delivery costs, and collaborate with institutes for implementation.
- Training and communication support are vital, and association with other poultry farming practices enhances sustainability.

Cost: $$$ **100—200 USD** Incubators

ROI: $$$ **20 %** per cycle

**150 USD** 64-egg manual solar unit

**200 USD** fully automated 96 egg unit

**500 USD** Hatchery start up requirement

**IP** Open source / open access

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals

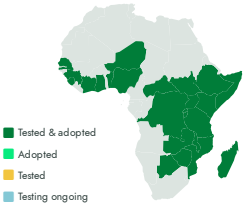
Categories

Production, Equipment

Best used with

- Genetically Improved Poultry Breeds for Optimized Meat and Egg Production ›
- Dual-Purpose Chicken for Small-Scale Producers ›

Tested/adopted in

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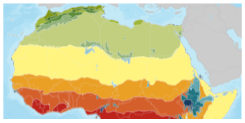


# Biosecurity for Disease Prevention

## 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.

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

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

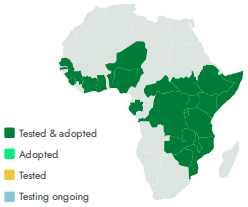
Production, Practices,

Pest control (excluding weeds)

Best used with

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

Tested/adopted in

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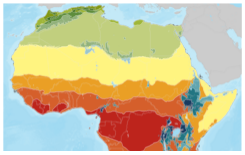


# Genetically Improved Poultry Breeds for Optimized Meat and Egg Production

## Enhance Productivity with Resilient, High-Performance Chickens

This technology provides genetically improved chicken breeds for meat (broilers) and egg (layers) production. Developed through selective breeding, they offer higher yields and are distributed through hatcheries, requiring proper management for optimal results.

**International Livestock Research Institute (ILRI)**
Tadelle Dessie

This technology is TAAT1 validated.

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

Gender assessment 5

Climate impact 5

## Problem

- Low-quality chicken breeds with poor genetics and susceptibility to diseases.
- Limited meat and egg production in naturally selected local chickens.
- Insufficient management and resources for genetically improved chicken breeds in extensive production systems.

## Solution

- The technology enhances genetic traits related to meat and egg production.
- This ensures that only chickens with the desired traits for meat and egg production are selected for breeding.
- By controlling the incubation process, the program ensures that chicks have a higher chance of survival and development.

## Key points to design your project

The Flock Improvement of Meat and Layer Breeds technology enhances poultry production by breeding chickens with desired traits for meat and egg production, reducing reliance on inferior breeds. To integrate this technology:

- Acquire a license for breeding and selling chicks.
- Assess project needs for poultry breeding.
- Provide comprehensive training on breeding practices.
- Select suitable chicken breeds based on goals and conditions.
- Ensure access to quality breeding stock and inputs.
- Implement improved breeding practices.

Cost: $$$ **Over 1 million USD**

Establishment of a poultry breeding company

IP

Open source / open access

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals

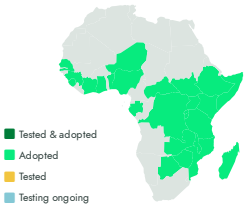

Categories

Production, Practices, Yield improvement

Best used with

- Semi-Automatic Incubator for artificial hatching ›

Tested/adopted in

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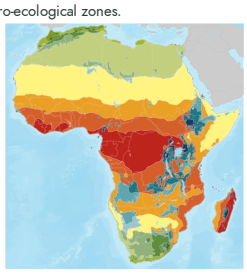


Target groups

Breeders

# Special Chicken Breed: Dual-Purpose Chicken for Small-Scale Producers

## High-Performance Breeding Chicken Breed

The "Dual-Purpose Chicken for Small-Scale Producers" technology focuses on developing and distributing chicken breeds suitable for both high egg production and meat yield. These specialized chickens possess traits like low cost, disease resistance, and efficient feed utilization.

**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 4

Climate impact 4

## Problem

- Low Egg and Meat Productivity in Indigenous Chickens
- High Mortality Rate in Indigenous Chickens
- Limited Performance and Adaptability of Indigenous Breeds
- Challenges in Rearing and Distribution for Small-Scale Farmers
- Need for Adaptation and Regional Adjustments

## Solution

- Introduction of dual-purpose chicken breeds addressing low productivity and high mortality.
- Establishment of parent stock farms and hatcheries for consistent supply.
- Distribution through brooder units for proper chick care.
- Enhanced performance in free-range systems with adaptability to local conditions.
- Technical support and empowerment for operators.

## Key points to design your project

- Enhances poultry productivity for rural poverty alleviation and food security
- Empowers women, creates jobs, and supports economic growth in rural areas
- Improves poultry industry through innovative breeding and distribution
- Fosters sustainable agriculture and conserves biodiversity
- Requires building infrastructure, acquiring equipment, and estimating costs for integration
- Collaboration with agricultural institutes and consideration of complementary technologies recommended

**930 USD**
Purchase and rear 1000 birds for five weeks

**30 %**
Per batch in Nigeria

**1.5—2.0 kg**
Weight of chickens in 3 months

**120—180 eggs**
Production by chickens per year

**IP**
Open source / open access

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals

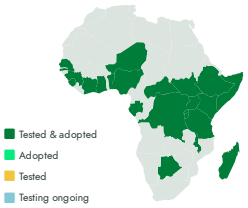
Categories

Production, Improved varieties, Yield improvement

Best used with

- Semi-Automatic Incubator for artificial hatching ›

Tested/adopted in

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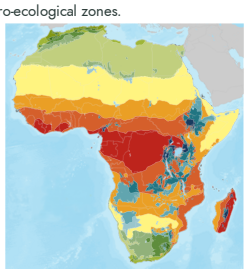


Target groups

# Low-Cost Cage and Free-Range Containment

## Safeguarding Chickens and reducing Costs

A moveable poultry house for free-range production with sheltered forage area

The technology is a movable chicken house that lets chickens roam freely during the day and return to safety at night. It's affordable, easy to move, and made from basic materials. Proper maintenance and predator protection are essential for its effectiveness, making it a practical solution for chicken farming.

This technology is TAAT1 validated.

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

Gender assessment 4

Climate impact 5

## Problem

- Many small farmers can't afford expensive chicken houses.
- Chickens are sometimes kept in crowded and uncomfortable spaces.
- Predators and bad weather can harm chickens.
- Farmers want to meet the demand for free-range and organic chickens.
- Pests and diseases build up in one spot if chickens stay in the same place for too long.

## Solution

- Affordable movable houses for chickens.
- Gives chickens space to roam and find their own food.
- Keeps chickens safe from predators and bad weather.
- Good for the environment and the farm.
- Easy to clean and take care of.

## Key points to design your project

- Affordable poultry housing solutions empower smallholder farmers for commercial production and aid poverty alleviation.
- Boosts food security with organically raised poultry.
- Supports economic growth through job creation.
- Promotes sustainable farming practices by reducing environmental impact and advocating for organic production.

Steps to incorporate the technology:

- Secure access to suitable land for free-range poultry production.
- Conduct market assessment to evaluate demand and profitability.
- Allocate resources for comprehensive training and support.
- Collaborate with agricultural institutions.
- Explore integration with complementary technologies like Biosecurity for Disease Prevention.

Cost: $$$ **350 USD**
Initial cost to raise 150 to 200 chickens

ROI: $$$ **50 %**
Benefit from selling birds

**2.0—2.5 Kg**
Weight of mature meat chickens in 6 weeks

**20 m²**
floor space for 100 birds.

**IP**
Open source / open access

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

Technology from
ProPAS

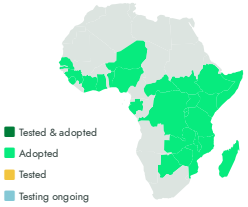
Commodities
Poultry

Sustainable Development Goals


Categories
Production, Equipment, Production System

Best used with
- Biosecurity for Disease Prevention ›

Tested/adopted in

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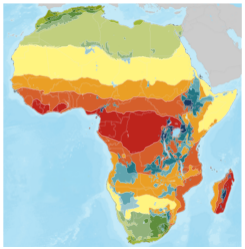


# Poultry Vaccination against Newcastle Diseases

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*

**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

**IP**
Open source / open access

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals

8 DECENT WORK AND ECONOMIC GROWTH

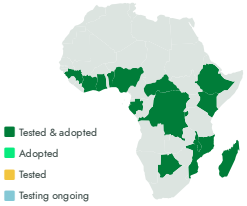
Categories

Production, Inputs, Animal healthcare

Best used with

- Biosecurity for Disease Prevention ›

Tested/adopted in

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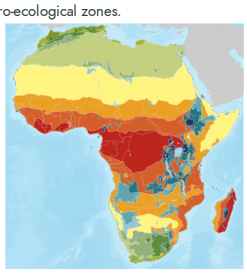


Target groups

Farmers

# Value Addition to Poultry Manure

## Transforming waste into wealth

Manure accumulated on the poultry house floor (left) and finished compost ready for use as an organic fertilizer (right)

Value Addition to Poultry Manure transforms chicken manure into nutrient-rich organic fertilizer. Composting detoxifies the manure, enhancing soil fertility and reducing reliance on chemical fertilizers.

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

This technology is TAAT1 validated.

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

Gender assessment 4

Climate impact 7

## Problem

- **Pathogens and Unpleasant Odors**: Fresh chicken manure can contain harmful pathogens and emit an off-putting odor.
- **Underutilization**: Chicken manure is often unused due to these issues.
- **Environmental Impact**: Large-scale poultry farms generate significant manure, leading to unpleasant odors, groundwater pollution, and methane emissions.

## Solution

- **Pathogen-Free Organic Fertilizer Production**: Converts chicken manure into safe, nutrient-rich organic fertilizer through composting, ensuring plant health and human safety.
- **Sustainable Environmental Impact Mitigation**: Transforms raw chicken manure into valuable organic fertilizer, reducing odors, preventing groundwater contamination, and mitigating methane emissions.
- **Cost-Efficient Waste Management**: Repurposes chicken manure into valuable organic fertilizer, reducing waste management costs and enhancing overall farm profitability.

## Key points to design your project

Poultry farming boosts women's financial independence and leadership roles. This technology transforms waste into valuable organic fertilizer, reducing odors, groundwater contamination, and methane emissions. It also reduces reliance on chemical fertilizers, supporting climate goals. This project contributes to achieving SDGs 1 (poverty reduction), 2 (food security), 5 (gender equality), and 13 (climate action).

**Key points for project step up:**

- **Assess & Select:** Identify farmers interested in value addition with suitable farm size and resources.
- **Train & Build Capacity:** Train extension agents and farmers on composting and value-added products.
- **Implement & Support:** Organize workshops, establish demonstration plots, and provide technical support and financing access.
- **Market Access & Sustainability:** Connect farmers with buyers and evaluate project impact.

Cost: $$$ **5,000—10,000 USD**

drying and pelleting equipment

**30,000 USD**
organic fertiliser production plant of 15 ton per hour

**3,000 USD**
15 m3 anaerobic digester able to process 300 kg of poultry manure per day

**IP**
Open source / open access

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals

2 ZERO HUNGER

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

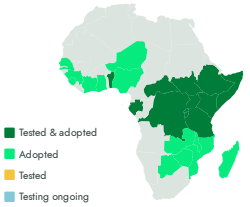
Categories

Production, Pre-production, Practices, Animal waste management

Best used with

- Biosecurity for Disease Prevention ›
- Low-Cost Cage and Free-Range Containment ›

Tested/adopted in

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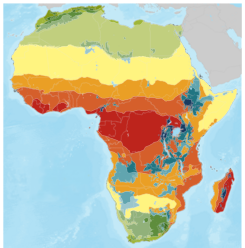


# Mechanized Defeathering and Egg Sorting


## Efficiency Unleashed: Poultry Processing, Simplified

Defeathering involves the use of machines with rotating metal discs and rubber fingers, efficiently removing feathers in 30 seconds. Egg sorting machines use weight-sensitive belts, ensuring precise grading based on quality parameters like weight, color, shape, and cracks.

ILRI
INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE

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

This technology is TAAT1 validated.

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

Gender assessment 4

Climate impact 4

## Problem

- Time-consuming and inaccurate manual defeathering and egg sorting processes
- Delayed chicken processing reduces productivity, feed efficiency, and leads to rushed sales at lower prices, affecting profitability.
- Manual methods struggle to meet grade requirements for different poultry types and egg grades, impacting market acceptance.
- Manual egg sorting increases breakage risk, causing losses and affecting the overall quality of graded eggs.

## Solution

- Mechanized machines remove feathers in 30 seconds, enhancing productivity.
- Quick defeathering maintains product quality, avoiding rushed sales.
- Automated sorting reduces costs, attracting premium prices for eggs.
- Machines efficiently handle various poultry types, reducing manual challenges.

## Key points to design your project

Introducing mechanized defeathering and egg sorting technology transforms poultry farming by offering a practical and efficient approach to processing poultry products. To integrate this technology,

- Ensure a solid business plan aligning with market demand and prices and match production volumes with machine capacities
- Having technically competent personnel and understanding environmental regulations and waste management procedures is crucial for successful implementation.
- Training and post-training support from a dedicated team of trainers are essential, along with developing communication materials to promote the technology.

Cost: $$$ **250—550 USD**
defeathering machine

ROI: $$$ **15—20 %**
ROI for defeathering business

**5500—7000 USD**
Egg sorting machine

**IP**
Copyright

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals

2 ZERO HUNGER
8 DECENT WORK AND ECONOMIC GROWTH

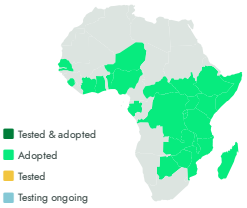
Categories

Transformation, Equipment, Land preparation

Best used with

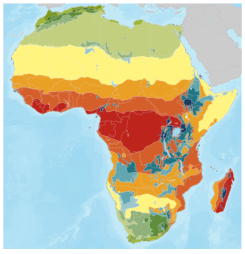
- Processing chicken meat for cold storage ›

Tested/adopted in




Where it can be used

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



Target groups

# Local Production of Quality Affordable Poultry Feed

## Cutting Costs, Boosting Nutrition

This practice involves blending various ingredients to create a balanced feed ration for chickens, optimizing their growth and production. The basic formulation includes maize or wheat, soybeans, bran, oil press cake, fish and bone meal, poultry supplement, limestone, and salt. The feeds are further processed into mash for chicks or pelleted for larger birds.

*Un poulet se nourrissant d'asticots riches en protéines*

**International Livestock Research Institute (ILRI)**
Tunde Amole

This technology is TAAT1 validated.

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

Gender assessment 4

Climate impact 6

## Problem

- Limited access to safe and low-cost poultry feed inhibits enterprise profitability and expansion.
- Dependence on expensive purchased feeds restricts small-scale farmers from scaling their operations.
- Balancing the ration with the right combination of nutrients is essential for poultry health and productivity.
- Leveraging locally available ingredients for feed production can reduce costs and enhance profitability.

## Solution

- Utilizing locally available and seasonal materials for feed production.
- Blending local energy and protein ingredients with purchased additives to create formulated feeds.
- Reducing feed costs through free-ranging practices and using local by-products.
- Implementing proven technologies to improve local meat and egg supplies.

## Key points to design your project

- The technology reduces poultry feed costs, aiding small-scale farmers and improving food security.
- It fosters economic growth by creating local job opportunities and promoting sustainable practices.
- Steps for implementation include assessing nutrient requirements, analyzing feed ingredients, evaluating equipment needs, and considering collaboration with stakeholders.
- Training and communication efforts are essential, along with exploring integration with complementary technologies for optimization.

Cost: $$$ **3,000—36,000**

**USD**

per machine

ROI: $$$ **60 %**

reduction of feed cost

**100—200 kg**

feed production per hour

**5 years**

life span

**IP**

Open source / open access

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals

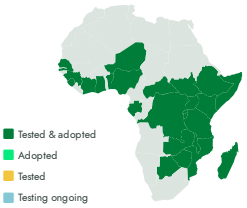

Categories

Pre-production, Equipment, Animal feed production

Best used with

- Cassava Peels for Animal Feed Production ›

Tested/adopted in

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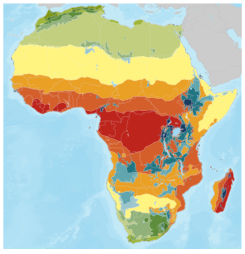

Target groups

# Poultry technologies Toolkit

https://taat.africa/jer

## ABOUT US

### TAAT

TAAT, Technologies for African Agricultural Transformation, is an African Development Bank initiative to boost agricultural productivity by rapidly rolling out proven technologies to more than 40 million smallholder farmers.

TAAT aims to double crop, livestock, and fish productivity by 2025 by engaging both public and private sectors to expand access to productivity-increasing technologies across the continent.TAAT advises African government who receive funding from international financial institutions such as the African Development Bank to help them integrate the best agricultural technologies in their development projects. TAAT also offers technical assistance for the integration of these technologies, when needed.

### TAAT Technologies

TAAT definition of agricultural technologies is very broad: they include improved varieties, inputs, equipment, agricultural infrastructure, practices and agricultural policies. In short, any solution to an agricultural constraint. TAAT technologies have been developed by a wide variety of organizations: the CGIAR, other international research institutions, national research organizations, or the private sector.

### TAAT Clearinghouse

Within TAAT, the Clearinghouse has the remit to select, profile and validate agricultural technologies, and showcase them in online catalogs to support the advisory role that the Clearinghouse offers to governments and the private sector. The Clearinghouse strives to be an 'honest broker' of technologies through its selection, profiling, validation and advice.

### TAAT e-catalogs

The e-catalogs are designed to be used by decision-makers within governments, private sector companies or development organizations. They facilitate the search for appropriate solutions that are adapted to local conditions and requirements, and provide all necessary information, presented in jargon-free and easy to analyze technology profiles. Once a decision-maker has selected a technology of interest, the e-catalogs facilitate their direct contact with those who can help them implement the technology, whether they are a research group or a private company.

### TAAT Technology Toolkits

Technology toolkits are hand-picked selections of technologies from the TAAT e-catalogs. We offer some curated toolkits for specific cases, and registered users can create their own toolkits, showcasing their selection of technologies. Toolkits can be used online and shared as links, as mini e-catalogs, they can also be downloaded, saved, shared or printed as collections of technology pitches in PDF format (pitches are one-page summaries of technology profiles, available for all technologies on the e-catalogs).


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