

# Improved Chicken Breeds Flock Improvement of Meat and Layer Breeds

Enhance poultry production with genetically superior breeds tailored to local conditions.

Improved poultry production in Africa utilizes selective breeding and refined management practices to enhance traits like growth rate and egg yield. Large hatcheries provide access to genetically improved breeds specialized for meat or egg production, with some breeds serving both purposes.



Improved breeds of broilers (top) and layers (bottom)

**ILRI**  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE

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

Technology originally documented by

[ProPAS](#)

Commodities

Poultry

Sustainable Development Goals



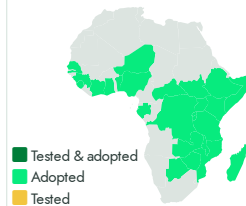
Categories

Production, Practices, Yield improvement

Best used with

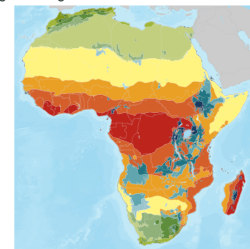
- [Artificial Hatching >](#)

Tested/adopted in



Where it can be used

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



Target groups

Breeders



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 use**

Establishment of a poultry breeding company



Open source / open access



## Improved Chicken Breeds

<https://e-catalogs.taatafrica.org/gov/technologies/improved-chicken-breeds-flock-improvement-of-meat-and-layer-breeds>

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Enquiries [techs@taat-africa.org](mailto:techs@taat-africa.org)