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

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

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 business plan

- Requires suitable infrastructure for rearing, costing approximately $930 to rear 1000 birds for five weeks
- Offers higher profitability compared to indigenous chickens, with a 30% profit margin per batch
- Yields higher weight and egg production
- Optimizes outcomes through partnerships with agricultural institutes and commercial production entities
- Integrates with complementary technologies like Artificial Hatching in Semi-Automatic Incubators for enhanced efficiency.

Gender assessment 4

Climate impact 4

Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals

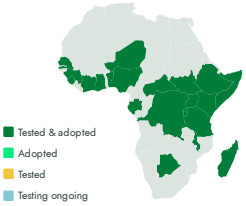
Categories

Production, Improved varieties, Yield improvement

Best used with

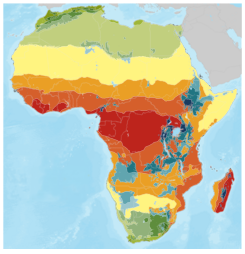
- Semi-Automatic Incubator for artificial hatching ›

Tested/adopted in



Where it can be used

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



Target groups