

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.

Technology originally documented by

ProPAS

Commodities

Poultry

Sustainable Development Goals



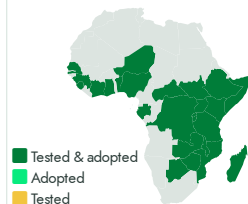
Categories

Pre-production, Equipment,
Animal feed production

Best used with

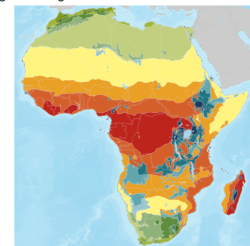
- [Cassava Peels for Animal Feed Production](#)

Tested/adopted in



Where it can be used

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



Target groups

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



Open source / open access



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<https://e-catalogs.taatafrica.org/gov/technologies/local-production-of-quality-affordable-poultry-feed>

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