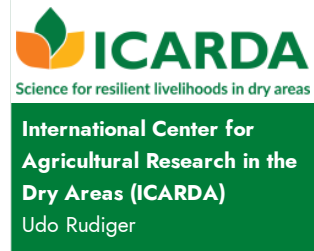


Livestock Feed Pelleting: Small-scale feed production using local agricultural by-products

Farm-to-Feed Innovation: Turning local by-products into affordable, high-quality livestock feed

Small-scale feed production combines adapted feed formulations, training and appropriately selected processing equipment (grinders, mixers, pelletizers) to transform locally available agricultural and agro-industrial by-products into balanced livestock feed.



Commodities

Small livestock

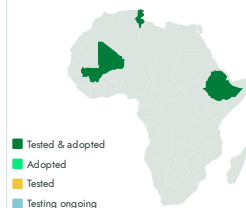
Sustainable Development Goals



Categories

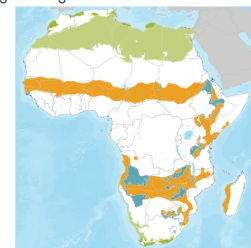
Production, Pre-production, Practices,
Animal feed management

Tested/adopted in



Where it can be used

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



Target groups

Development institutions, Farmers,
Governments, Processors, Sellers,
Manufacturers, + 5 more

This technology is **pre-validated**.

9-8


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

44250 USD

Cost Per ton of feed
produced

48438 USD

Revenue Per ton of feed
produced

4188 USD

Net income Per ton of
feed produced

9 %

ROI year



Open source / open access

Problem

- High dependence on expensive imported feed.
- Seasonal feed shortages.
- Underuse of local agricultural and agro-industrial by-products.
- Limited access to feed formulations, skills and processing equipment.

Solution

- Produces competitive local feed, reducing import dependence.
- Improves feed availability during seasonal shortages.
- Converts underused by-products into valuable feed.
- Combines adapted formulations, training and processing equipment.

Key points to design your business plan

End-User Businesses: Establish local feed production units adapted to business size, available feed resources, infrastructure and energy, from basic grinding and mixing units to pelletizer lines. Assess investment, operating costs, demand and profitability.

Equipment Manufacturers & Suppliers: Design and supply appropriately scaled processing equipment, with installation, maintenance, spare parts and technical support.

Distributors & Service Providers: Provide local grinding, mixing and pelletizing services, enabling producers to access processed feed without investing individually in equipment.

ICARDA supports these business models through feed formulation, equipment configuration, and technical and business training.

Inclusion assessment

16

8

8

Climate impact

6



Livestock Feed Pelleting

<https://taat.africa/pmc>

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