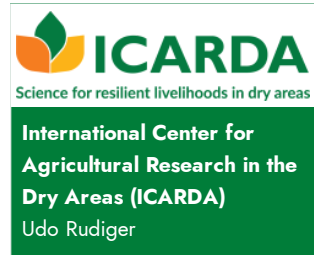


Livestock Feed Pelleting: Small-scale feed production using local agricultural by-products

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

Small-scale feed production combines adapted feed formulations, capacity building 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

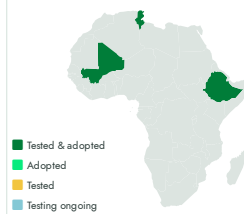
Sustainable Development Goals



Categories

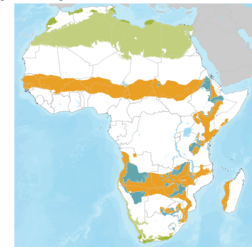
Production, Pre-production, Practices, Animal feed management

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, Researcher center, Warehouse Operators, Advisory and...

+ 5 more

This technology is **pre-validated**.

9/8

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

Inclusion assessment

16

8

8

Climate impact

6

Problem

- Climate-induced and seasonal feed shortages threaten livestock-dependent livelihoods.
- Dependence on costly external feed sources increases producers' vulnerability.
- Underuse of local by-products and limited feed processing capacity.
- Increasing pressure on degraded grazing resources.

Solution

- Strengthens climate-resilient feed supply using local resources.
- Reduces dependence on costly external feed sources.
- Transforms underused by-products into local feed through formulations, training and equipment.
- Reduces pressure on grazing resources and strengthens livestock-dependent livelihoods.

Key points to design your program

- Target feed-deficit and climate-vulnerable livestock systems where local agricultural and agro-industrial by-products can support feed production and resilient livelihoods.
- Integrate the technology into livestock development, food security, climate adaptation and circular economy programmes, contributing to SDGs 1, 2, 5, 8, 12 and 15.
- Support inclusive delivery models and local capacity, creating opportunities for women and youth through producer organisations, local enterprises and feed-processing services.
- Build partnerships and plan for continuity beyond programme funding through viable local enterprises, trained actors, equipment services and maintenance networks.
- Work with ICARDA on locally adapted feed formulations, equipment configuration, capacity building and technical guidance.

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



Livestock Feed Pelleting

<https://taat.africa/omn>

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