

Affordable Fish Feed Production: Formulation and Pelleting of Low-Cost Feeds



Feed formulation before (left) and after dry extrusion (right)

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Empowering Aquaculture with Affordable Feeds

The technology "Formulation and Pelleting of Low-Cost Feeds" aims to reduce the cost of fish feeds in Sub-Saharan Africa, where fish farms spend about 60-70% of their budget on imported feed. It promotes the use of local resources to produce quality, cost-effective and balanced fish feeds. This innovation could enhance the profitability and sustainability of fish farming...

This technology is **TAAT1 validated**. Scaling readiness: idea maturity: 8/9; level of use: 8/9

Cost: \$\$\$ **1,200 USD**
Production of 1 ton

85,000 USD
Equipment of production

Technology from
ProPAS

Commodities
Fish

Sustainable Development Goals

Categories
Production, Inputs, Fertilizer

Tested/adopted in

Tested & adopted
 Adopted
 Tested

Where it can be used

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

Target groups
Breeders

Problem

- Fish farming in Sub-Saharan Africa is costly due to expensive feeds.
- A large part of the cost is for imported feed ingredients.
- Simple, unprocessed grains used in feeds lead to poor nutrient transfer and pollution.
- High costs and inefficiencies limit the profitability of fish farming.

Solution

- The technology makes affordable fish feeds using local products.
- Pelleted feeds improve nutrient transfer and reduce pollution.
- Pellets are easier to store and transport, reducing costs.
- The technology allows feed customization for different fish species.

Key points to design your business plan

For Manufacturers: The technology enables the production of affordable fish feeds, reducing reliance on imported ingredients. The main costs involve raw ingredients, equipment, and marketing.

For Resellers: Resellers distribute the manufactured feeds to a wide customer base. Their main costs involve purchasing feeds, storage, transportation, and marketing.

For Users (Fish Farmers): Users gain access to affordable, nutritionally balanced fish feeds, improving profitability. Their main costs involve purchasing feeds and operational costs associated with fish farming.

Gender assessment

Climate impact



Affordable Fish Feed Production
<http://taatdb-web.com/technologies/affordable-fish-feed-production-formulation-and-pelleting-of-low-cost-feeds>

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