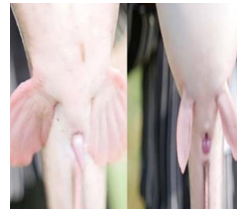


Fast Growing and Hybrid African Catfish

Boosting Aquaculture with Resilient, Fast-Growing Catfish Hybrids



Fast Growing and Hybrid African Catfish" is developed to enhance freshwater farming in Sub-Saharan Africa. This technology involves the selective breeding and hybridization of two catfish species to create a superior hybrid offspring (Hetero-Clarias). The process of hybridization requires hormone-induced egg release in female catfish and the collection of seminal fluids from male catfish,...

This technology is **TAAT1 validated**.
 7·7
 Scaling readiness: idea maturity 7/9; level of use 7/9

Gender assessment 4
 Climate impact 7

Problem

- Limited availability of quality fingerlings
- Inadequate hatchery facilities
- High cost of fish feed
- Need for training for fish farm operators

Solution

- The Hetero-Clarias hybrid exhibits superior growth rate, higher survival, and greater hardiness compared to the parent species.
- Certified hatcheries provide a secure means to increase local supply of fast-growing and hybrid catfish.
- The produced hybrid catfish is sterile, allowing it to channel energy primarily into growth, resulting in better feed conversion and growth rates.

<p>Cost: \$\$\$ 0.025—0.09 USD</p> <p>per gram of Catfish fingerlings</p> <hr/> <p>2500—3500 USD</p> <p>Feed inputs for 8600—10000 Catfish fingerlings</p>	<p>ROI: \$\$\$</p> <p>per year</p> <hr/> <p> IP</p> <p>Open source / open access</p>
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Technology from
ProPAS

Commodities
Fish

Sustainable Development Goals

Categories
Production, Improved varieties, Yield improvement

- Best used with
- [Pond Liners to Save Water and Ease Maintenance >](#)
 - [Hapa Nets for Fingerling >](#)

