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 …

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.

Cost: $$$ **0.025—0.09 USD**

per gram of Catfish fingerlings

ROI: $$$

per year

2500—3500 USD

Feed inputs for 8600—10000 Catfish fingerlings

IP

Open source / open access

WorldFish

Bernadette Fregene

Technology from

ProPAS

Commodities

Fish

Sustainable Development Goals

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

8 DECENT WORK AND ECONOMIC GROWTH

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

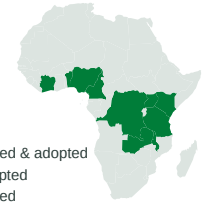
Categories

Production, Improved varieties, Yield improvement

Best used with

- Pond Liners to Save Water and Ease Maintenance ›
- Hapa Nets for Fingerling ›

Tested/adopted in



Tested & adopted
Adopted
Tested

Where it can be used

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