



Project Proposal: Integrated Aquaculture with Canvas Tarpaulin

Budget: \$500

Location: Living Water Farm

Date: July 12, 2025



Project Objective

"To pilot a small-scale aquaculture system using canvas tarpaulin to raise Yellow Apple Snails and Catfish, while integrating eco-friendly practices and generating profit from the sale of surplus produce."



Materials & Cost Breakdown

Item	Cost (USD)	Notes
Canvas Tarpaulin (6m x 50m)	\$250	Bulk sale only; no smaller cuts. Only 20% will be used for this project. Remaining material will support future farm setups.
Water Pump	\$80	For circulation and aeration
PVC Pipes	\$20	For water flow and drainage
Fingerlings & Baby Snails	\$50	Initial stock for cultivation
Labor & Additional Materials	\$100	Construction, setup, and miscellaneous needs
Total	\$500	Fully allocated



Eco-System Integration

- Water Recycling: Used water will be redirected to irrigate coconut trees.
- Natural Fertilizer: Fish and snail waste will enrich soil for gardens and crops.
- Canvas Reuse: Unused tarpaulin will be repurposed for future aquaculture or farm infrastructure.

Expected Sales & Revenue Potential

Product	Price per kg	Estimated Yield
Yellow Apple Snails	\$5	TBD (based on growth cycle)
Catfish	\$3	TBD (based on growth cycle)

Note: Yield quantities are currently unknown and will be tracked during the pilot phase.

Important Notes

- The canvas tarpaulin is only available in full rolls (6m x 50m). We will use approximately 20% for this project.
- Remaining material will be stored and used for future aquaculture or farm expansion.

Conclusion

This project offers a sustainable, low-cost method to initiate aquaculture while enhancing farm productivity through eco-integrated practices. It also sets the foundation for future expansion using already acquired materials.