

BSFF: Organic fertilizer for soil improvement

Low cost fertilizer for healthy and profitable agriculture for African farmers.

Frass is a nutrient-rich compost produced from black soldier fly larvae (BSFL) treatment of biodegradable waste. Commercially, it consists of BSFL faeces, substrate residues, exoskeletons, and a microbial population aiding fermentation.



Institut International d'Agriculture Tropicale (IITA)

Dr Rousseau DJOUAKA

This technology is **pre-validated**.

8·7

Scaling readiness: idea maturity: 8/9; level of use: 7/9

Cost: \$\$\$ **3 USD**

Per 50kg bag

Problem

- Africa faces a lack of organic waste management solutions, leading to severe environmental threats.
- Soil fertility in smallholder farms is declining due to nutrient imbalances, where more nutrients are extracted than replenished, worsening food security.

Solution

- BSFF technology converts organic waste into nutrient-rich compost, reducing environmental contamination and improving soil fertility.
- It promotes sustainable agricultural practices by enhancing soil health.

Key points to design your business plan

- For Manufacturers: BSFF technology transforms organic waste into nutrient-rich fertilizer, supporting sustainable practices.
- For Resellers: Reselling BSFF fertilizer presents an opportunity to meet the increasing demand for organic fertilizers, necessitating reliable distribution networks.
- For Users: BSFF fertilizer is an effective organic solution that boosts crop yields and improves soil quality.

Gender assessment 4

Climate impact 7

Commodities

Vegetable crop

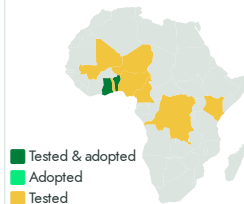
Sustainable Development Goals



Categories

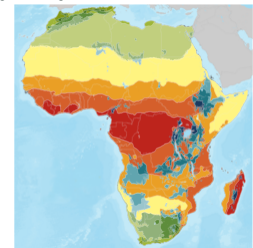
Pre-production, Inputs

Tested/adopted in



Where it can be used

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



Target groups

Farmers



BSFF

<https://e-catalogs.taatafrica.org/com/technologies/bsff-organic-fertilizer-for-soil-improvement>

Last updated on 1 October 2024, printed on 2 October 2024

Enquiries e-catalogs@taat.africa