



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.





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Commodities

Vegetable crop

Sustainable Development Goals









Categories

Production, Inputs, Fertilizer

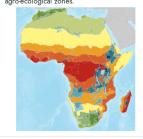
Best used with

Black Soldier Fly Larvae (BSFL) proteins for low cost Fish feeds See all 1 technologies online

Tested/adopted in Tested & adopted Adopted Tested Testing ongoing



Where it can be used



Target groups

This technology is validated.





Inclusion assessment



Climate impact



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 program

BSFF technology transforms organic waste into nutrient-rich fertiliser, boosting soil fertility, food security, and climate resilience. It creates green jobs, reduces greenhouse gas emissions by up to 50%, and supports circular agriculture. Development partners can drive impact by integrating BSFF into projects through training, access support, and strategic partnerships.



Per 50kg bag



National phase application

