

**3Fs –  
Flies  
Feed/Fertilizer  
Food**

**Application for  
Bag2TheFuture grant**

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# Black Soldier Flies – a circular bioconversion of organic waste into livestock feed



BSF bioconversion  
circle

# The BSF Farm at The Ewaldi Community School in Uganda has a multi-dimensional impact

- **on environment:** chicken manure and organic waste recycled by the fly larvae is not contaminating the environment
- **on resources:** fly larvae frass is used as compost, no need to buy fertilizer
- **on livestock:** larval biomass is used as protein feed, no need for soja bean protein supplement
- **on ecosystems:** no need for fish protein supplement. Silver fish growing in Lake Victoria are impacted by overfishing
- **on education:** school kids are learning about the circular economy being multipliers when going back to their home communities
- **on entrepreneurship:** the BSF farm will become a small, but sustainable business by selling larval biomass processed by solar drying allowing longer-term storage



## 3Fs project at the Ewaldi Community School in Uganda

- School farm animals fed with BSF larval biomass provide food for the kids and upgrade their mainly vegetarian daily diet
- Larvae, chicks or eggs will be sold to small animal holders in the nearby community to generate some income
- This money will be invested at the school for maintenance and new installations (e.g. new water supply and lights)

