

# Black Soldier Fly Larvae as alternative and affordable protein for Chicken and Fish



## Preamble

Eastern Africa region requires more animal protein sources to feed its growing population and combat malnutrition. Cattle, fish, and poultry are good sources of animal protein, but their production is constrained by high costs of feed. At the same time, chicken feed prices continue to rise due to limited supply of alternative protein feed other than fishmeal. A small-scale Black Soldier Fly (BSF) rearing and waste processing facility in Tanzania has been operational where BSF larvae is bred and used to convert biowaste into animal fodder. The venture builds on these efforts to expand the acceptance of BSF derived protein for feed formulations in the East African market in Ethiopia, Kenya, and Tanzania.



## About the Products

BSF meal is produced from wholly dried larvae of BSF comprising approximately 49% protein and 26% fat. BSF meal is used in the diets of chicken and farmed fish as an alternative protein supplement to the traditional soy and fishmeal. Other secondary products generated from this process include organic fertilizer and defatted oil. BSF meal is a low-cost feed and has the potential to improve efficiencies and yield for fish and poultry farmers and feed producers. The main market for BSF meal is small to medium scale livestock farmers.



## The Venture

BSF meal is commercially produced by BioBuu Limited, a company that was created as a spin off from the small-scale BSF facility in Tanzania. BioBuu Ltd is registered as a Kenyan company with the objective of recycling organic waste. A commercial scale BSF production facility in Kilifi is in its early stage of operations. Relevant partnerships have been developed by BioBuu Ltd and the county government in Mombasa, hotels, feed producers, poultry, and fish farmers among others.