

Collaborative Development of a Commercially Viable Organo-Mineral Fertilizer

Timeline: 05/24 - 06/25
Budget: €24.1k

Startup



- Name: Proteen
- Founded: 2018
- Tagline: Convert organic waste streams into fertilizer through insects
- Location: Kampala, Uganda

Industry partner



- Name: Grainpulse LTD.
- Founded: 2002
- Tagline: Fertilizer producer, trader of agricultural products
- Headquarter: Kampala, Uganda

The problem

The high cost of previously introduced organo-mineral fertilizers by Grainpulse has made them inaccessible and ineffective for the price-sensitive Ugandan market, preventing the market penetration of sustainable, organic fertilizers.

The solution

Using black soldier fly, Proteen has developed an approach to convert organic waste into a cost-effective, organic fertilizer suitable for the local Ugandan market. In collaboration with Grainpulse and K+S, Proteen aims to achieve the commercial viability of a mixed organo-mineral fertilizer product for the Ugandan market.

Project deliverables

- Product development: Three organio-mineral fertilizer products are developed
- Economic viability: An economic assessment report based on preliminary field trial results
- Market exploration: A market report based on test sales
- Agricultural impact: A final yield report for the newly developed products



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