BioBoost
Accelerating biobased horticulture

Biomi-Farming



Crop	Miscellaneous -
Croppart	Roots / Tubers Stem Bulb Leaf Bud Flower Fruit Seed Resin
Application area	Pharma Food & feed Materials
Status	Scale-up stage

Description

Biomi-Farming stands for Biological Micro Farming. The aim of Biomi-Farming is initially the biological cultivation of mealworms. These mealworms are then cultivated in a sustainable manner based on bioconversion of residual flows, creating a circular economy.We are entering into a partnership with GroenCollect to process the residual flows from entrepreneurs established in Randstad.

By cultivating ourselves, experimenting since 2017, attending knowledge sessions of, among others, Inagro, Wadudu, NGN (New Generation Nutrition), Wageningen University and the HAS (Higher Agricultural School) and Mites Animal Feed, we have gained a lot of knowledge about the cultivation of insects.

While conventional livestock farmers need large spaces for their livestock, mealworm farms do not. The space is used as much as possible because the breeding trays are stackable, so that more than 120 kilos of mealworms can be grown per m2 in a period / cycle of 11 weeks. This makes the mealworm culture extremely suitable for an urban environment.

The Randstad also offers many opportunities in terms of location for this sector. While conventional livestock farmers need many hectares of land for the execution of their activities, a mealworm farm does not, and a building with several or even many floors can be extremely suitable for the cultivation of mealworms, which is therefore again offers the urban environment of the Randstad the opportunity to produce local food.

Used conversion methods

Mechanical-Physical processes

- Pressing
- Milling
- Separation
- Fiber separation
- Upgrading
- Fractionation
- Extraction

Bioconversion

- Insects

Resources

https://biomifarming.nl/ Initiative website