

Expansion Report: Veterinum Pilot Breeding Centre

Location: Veterinum Headquarters, Ulcinj

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Inspection Conducted By: Expert Team, Belinda Animals

1. Introduction

This expansion report provides an in-depth analysis of the progress and development at the Veterinum Pilot Breeding Centre for *Tenebrio Molitor* (TeM) larvae. Over the past two months, significant advancements have been made, resulting in increased production and a promising trajectory towards becoming a vertical farm and a central provider of initial TeM colonies for other agricultural companies.

2. Equipment and Infrastructure

The Pilot Breeding Centre is equipped with modern breeding and monitoring equipment, including advanced temperature and humidity sensors, automatic humidifiers, and climate control system. These systems ensure optimal breeding conditions, which have been pivotal in the successful expansion of TeM larvae batches.

3. Expansion and Production Increase

New Batches and Existing Growth:

- **Expansion:** The centre has successfully established 10 new batches of TeM larvae, in addition to the existing 5 batches. This brings the total number of active batches to 15, significantly boosting production capacity.
- **Increase in Eggs:** There has been a substantial increase in the number of larvae eggs, which are now being carefully distributed and nurtured to ensure healthy growth and further breeding.

Progress:

- The systematic care and optimal conditions provided at the Centre have resulted in the healthy development of new larvae, contributing to a steady increase in production.
- The effective management and breeding practices have positioned the centre as a **potential vertical farm**, capable of supplying initial colonies to other agricultural entities.

4. Training and Mentoring

Detailed Training Sessions:

- Over the past two months, Belinda Animals has conducted detailed mentoring to at Veterinum, focusing on areas where the staff previously lacked knowledge.
- **Training Modules:** The sessions covered advanced breeding techniques, environmental control, larvae care, and especially **handling procedures**, ensuring that the staff are well-equipped to manage the increased production.
- **Mentoring:** Continuous mentoring has been provided to address specific challenges and optimize operational efficiency.

Staff Performance:

- The agricultural expert and three operational staff members have shown remarkable improvement in their skills and knowledge. Their enhanced capabilities have been instrumental in managing the new batches and maintaining high standards of care.

5. Research and Product Development

New Product Research:

- **TeM Products:** Veterinum has initiated research into utilizing TeM products such as oil and protein flour **in protein meals for feeding bees**.
- **Analyses and Permits:** A series of analyses are being conducted to understand the nutritional benefits and feasibility of these products. Veterinum is also in the process of obtaining necessary permits from governmental bodies to secure declarations for market offerings.

6. Market Potential and Strategic Positioning

Market Positioning:

- **Vertical Farming:** With the successful increase in batches and production, Veterinum is well on its way to becoming a vertical farm, capable of meeting the growing demand for TeM larvae.
- **Provider of Initial Colonies:** The centre is poised to become a focal point for other agricultural companies interested in incorporating TeM larvae into their practices.

Market Expansion:

- By developing and offering innovative TeM-based products, Veterinum aims to expand its market presence and provide sustainable protein solutions for various agricultural applications.

7. Conclusion

The expansion at the Veterinum Pilot Breeding Centre represents a significant milestone in the journey towards sustainable agriculture. The establishment of 10 new batches, along with the successful nurturing of existing colonies, demonstrates the centre's capability and potential for further growth.

The continuous support and training provided by Belinda Animals have played a crucial role in this progress. As Veterinum moves forward with research and product development, the centre is set to become a key player in the TeM larvae industry, contributing to sustainable agricultural practices and offering innovative solutions to the market.

Belinda Animals remains committed to supporting Veterinum in its expansion efforts and ensuring the ongoing success and sustainability of the Pilot Breeding Centre.

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