



Grey Mushroom Irrigation System

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BRIEF TECHNOLOGY

The technology is a process of grey mushroom cultivation using automated sprinkler irrigation system to ensure freshness. The first automated mist sprinkler irrigation system for grey mushroom cultivation.

CURRENT ISSUES

- Current conventional mushroom cultivation produces wastage in term of resources (water, manpower and time)
- Quality of the products is not up to standard albeit overutilisation of cultivation resources

INVENTIVENESS & NOVELTY

- Easy (less monitoring) and quick setup
- First system of its kind to increased grey mushroom cultivation and yield

USEFULNESS & APPLICATION

- To be utilize in any sizes of mushroom cultivation facilities
- Easy and quick setup
- Minimal monitoring and maintenance
- Utilisation of less manpower to manoeuvre

IMPACT OF THE PRODUCT

- Cost savings and increase in yield quality
- Eliminate wastage of yield upon harvest
- Freshness assured end-products
- Eliminate waste and avoid redundancy in work process.

MARKET POTENTIAL

- Can be utilize in large mushroom cultivation spaces
- It is easy to manufacture at a very low cost and manufactured in bulk.

TRL 9 – Product/System Proven

- Tested in maximum capacity in University Agriculture Park's mushroom cultivation centre



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