

Unnat Bharat Abhiyan

Report on Mushroom Cultivation in Kitali Village

Introduction:

Mushroom cultivation has gained popularity as an income-generating and nutritious activity in Kitali Village. We made a setup of Mushroom Cultivation in the house of Mr. Sunil Ramteke. After one month period Oyster Mushrooms were harvested. This report aims to provide a general overview of mushroom cultivation practices and its impact on the community.

Methodology:

Selection of Species: Villagers primarily cultivated button mushrooms (*Agaricus bisporus*) due to their adaptability to local conditions.

Growing Medium: Button mushrooms (*Agaricus bisporus*) beds were prepared using a mixture of agricultural waste such as straw and 200 liter water in a drum and were mixed with 16-20 gm of Bavistin powder and 250 ml of Formalin solution. In that drum added raw material and keep it for 16 hour's sterilization. After 16 hours took out the raw material and kept it on clean and plane surface for 2 hours to remove excess water from it.

Spawn Inoculation: The mushroom spawn was inoculated into the prepared beds, and the beds were kept in a controlled environment with temperature and humidity control.

Maintenance: Regular watering, hygiene, and monitoring for pests and diseases were key aspects of cultivation.

Results:

Increased Income: Mushroom cultivation provided a supplementary income source for villagers, contributing to improved livelihoods.

Nutritional Benefits: Mushrooms enriched the local diet with protein, vitamins, and minerals, addressing malnutrition concerns.

Community Engagement: The cultivation process encouraged community participation and knowledge sharing.

Challenges:

Seasonal Variability: Mushroom cultivation is often dependent on weather conditions, leading to seasonal fluctuations in production.

Technical Knowledge: Some villagers faced challenges in acquiring and applying advanced mushroom cultivation techniques.

Conclusion:

Mushroom cultivation in Kitali Village has proven to be a valuable endeavour, enhancing income and nutrition for the community. Addressing challenges such as seasonality and providing ongoing training can further improve the sustainability of this initiative.

