

Preparation of Mushroom Spawn from Paddy Grain

KVK Name: Banka

Name: Mrs. Binita Devi, Village: Jhirwa

Age: 36

Gender: Female

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Education: Post Graduation

Farming experience: 12

District: Banka, State: Bihar



Brief about innovation:

High spawn production costs using wheat have discouraged many from taking up mushroom cultivation as a business. She successfully developed mushroom spawn using paddy instead of wheat. Spawn prepared from paddy lasts longer and is lighter, fills more bags (20–25 vs. 12–15 per kg).

Using the same method as wheat-based spawn, this simple grain switch has helped increase farmers' incomes and expand mushroom cultivation in the region.

Specification/utility:

Paddy is more cost-effective (₹15–20/kg vs. ₹30–35/kg for wheat), retains moisture better due to its husk, and is ideal for summer cultivation—especially for milky mushrooms. Using paddy instead of wheat for mushroom spawn has reduced costs, improved yield, and boosted farmers' income with no change in preparation method. One mushroom bag yield by 4–5 kg fresh mushroom.

Photographs:



