

### Thematic Area: Entrepreneurship Development

## Title: Cost minimization in Mushroom

Sushanta Naik, Village: Kandabahal, P.O: Bhedabahal, Dist: Sundargarh (Orissa) PIN: 770026, Mobile: 9776775959

#### **Profile**

Age 37 years

Education +2 Science, ITI

Landholding 10 acres

Farming experience 17 years

Cropping Pattern

Paddy-Groundnut-Vegetables

Livestock Dairy (3 CB

COWS

Social recognition FAC Member. ATMA. Sundargarh

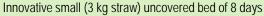
#### Description of innovation:

Developed a mushroom unit with humidity & temperature control facility and started preparing small paddy straw mushroom beds with only 3 kg straw and did not use polythene sheets to cover the beds unlike traditional beds which required 10-15 kg straw costing Rs.20/-, one bottle spawn costing Rs.10/- and polythene sheets costing Rs.4/-. Instead of using pulse powder (besan) 250g costing Rs.7.50 per bed as media for mushroom he through his own innovation formulated a mixture of choker + chanachuni in the ratio 60:40 and used 150 g costing Rs.2.50 per bed. These two innovations mixed together gave good economic benefits and cost savings was very much significant.

#### Practical utility of innovation:

Fruiting time reduced by 3-5 days, polythene cost reduced by Rs.4/bed, savings on food media Rs.5/bed and on straw Rs.16 was achieved. Using 2 bottles of spawn 3 beds could be prepared, thereby, saving Rs.3/bed. Traditional method yielded 1.5 kg mushroom using 15-20 kg paddy straw but innovative method yielded 400-500 gms using only 3 kg straw and straw use efficiency was around 15% in innovative method as against <10% in traditional method.







# COST MINIMIZATION TECHNIQUES IN MUSHROOM PRODUCTION

Ye ar	Name & Address	KVK Intervention	Outcome
2007-08	Mr. Sushant Naik At – Kandabahal P.O – Bhedabahal Dist – Sundargarh	<ul> <li>Imparted Knowledge &amp; skill on mushroom production technology</li> <li>Given Exopsure to year round cultivation of mushroom by controlling temp. through fogger</li> <li>Developed linkage with ATMA for organising farm school</li> <li>Linkage with CTMRT, OUAT, Bhubaneswar for specialized &amp; advanced training</li> </ul>	<ul> <li>Average yield 1.5kg/bed</li> <li>Net profit of Rs 12,000/- from 100 bed</li> <li>Established fogger system in his farm costing Rs 25,000/-</li> <li>The success prompted him to establish a vermicompost unit by utilizing the waste from mushroom unit</li> </ul>

