



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.



Innovative small (3 kg straw) uncovered bed of 8 days



Innovative mixture of *choker* + *chanachuni* (60:40)

COST MINIMIZATION TECHNIQUES IN MUSHROOM PRODUCTION

Year	Name & Address	KVK Intervention	Outcome
2007-08	Mr. Sushant Naik At – Kandabahal P.O – Bhedabahal Dist – Sundargarh	<ul style="list-style-type: none"> • Imparted Knowledge & skill on mushroom production technology • Given Exposure to year round cultivation of mushroom by controlling temp. through fogger • Developed linkage with ATMA for organising farm school • Linkage with CTMRT, OUAT, Bhubaneswar for specialized & advanced training 	<ul style="list-style-type: none"> • Average yield 1.5kg/bed • Net profit of Rs 12,000/- from 100 bed • Established fogger system in his farm costing Rs 25,000/- • The success prompted him to establish a vermicompost unit by utilizing the waste from mushroom unit

