

Mushroom Production

KVKs: Anjora Durg , Bhatapara, Dhamtari, Janjgir-Champa, Kawardha, Korba , Raigarh, Rajnandgaon, Gariyaband, Mahasamund , Bilaspur, Dantewada, Kanker, Narayanpur, Bijapur, Jashpur, Korea, Gwalior, Morena

Description of technology adopted

- Oyster mushroom production (Round the year) – Mainly using cutting of paddy and wheat straw as a substrate
- Paddy straw mushroom cultivation – By using of bundles of paddy straw as a substrate



Promising characteristics of technology:

S. No.	Characteristics	Observation (Unit)
1.	Oyster mushroom (<i>Pleurotus Species</i>) 700 to 900 gm fresh mushroom produce from per kg dry weight substrate, 1st picking started from 20 -22 days of bagging, Average no. of picking is 3.	Yield (kg/bag) Biological efficiency (%) Avg. Days for First Harvest Net Income from per quintal of Used Substrate
2.	Paddy straw mushroom cultivation (<i>Volvariella volvacea</i>) 200 to 250 gm fresh mushroom produce from per kg dry weight substrate, 1st picking started from 15 -16 days of spawning,	

Horizontal spread of technology:

S. No.	Name of KVK	No. of village covered	No. of farmers	No. of Unit
Chhattisgarh Plain Zone				
1	Anjora Durg	50	250	10
2	Bhatapara	8	86	17
3	Dhamtari	52	1225	410
4	Janjgir-Champa	54	450	228
5	Kawardha	20	265	12
6	Korba	26	270	270
7	Raigarh	65	1020	340
8	Rajnandgaon	22	155	45
9	Gariyaband	10	128	128
10	Mahasamund	25	25	25
11	Bilaspur	24	295	148

Bastar Plateau Zone				
12	Dantewada	10	50	50
13	Kanker	12	60	42
14	Narayanpur	8	15	15
15	Bijapur	6	60	6
Northern Hilly Zone				
16	Jashpur	15	180	180
17	Korea	5	30	22
RVSKVV Gwalior				
18	Gwalior	12	52	16
19	Morena	25	49	18
Total		449	4665	1982

Name of schemes supported by Central/State Govt. in large scale dissemination under convergence

S. No.	Central Govt.	State Govt.
1	Pradhanmatri Kaushal Vikas Yojna	Mukhyamantri Kaushal Vikas Yojna
2	MG-MNREGA	District Mineral Fund (DMF)
3	NHM	State Rural Livelihood Mission (SRLM)
4	ATMA	Vocational Training Programmes (VTP)
5	ARYA	-
6	RKVY	-



Economics of adopted technology (per quintal of dry substrate) :

Particulars	Cost (Rs)	Gross return (Rs)	Net return (Rs)	B:C ratio
Paddy Straw Mushroom	2000	5775	3775	2.89
Oyster Mushroom	3800	11872	8072	3.12

Revenue Generated at Zone Level

Univer- sity	No. of unit	Mean yield q / unit/year (20X25 feet hut)	Household Consumption in quintal from per unit/year	Cost Rs/Unit (20X25 feet hut)	Net Return Rs./Unit	B:C	Total Revenue Rs In Lakh
IGKV Raipur	1948	3.20	0.90	13500	24900	2.84	485.05
RVSKVV Gwalior	34	4.80	1.20	12800	35200	3.75	11.97
Total	1982	4.00	1.05	13150	30050	3.29	497.02



Mushroom production & marketing strategies

S. No.	Particulars	Oyster mushroom	Paddy straw
1	Avg Yield q / Unit/year (20X25 feet hut)	4 quintal	1.5 quintal
2	Biological Efficiency (Fresh weight per kg of dry substrate)	70-90%	15-25%
3	Group Formation for Production & Marketing	141	28
4	Selling Place	Local Market and super bazars	Local Market
5	Selling Price	Rs 100 to 150 / kg	Rs 200 to 300 / kg
6	Net Profit (Fresh weight per quintal of dry substrate)	Rs 8072	Rs 3775
7	Net Profit (from per kg of Processed Mushroom Products)	Rs 600	NA
8	Branding & Packaging of Fresh Mushroom and Products	Health+; Pinaca; SRL Mushroom; UKS Mushrooms; Jajalwya dev Mushroom	Jajalwya dev Mushroom

Mushroom spawn production

S.No.	Particulars	Oyster mushrooms	Paddy straw mushrooms
1	Spawn production	30 quintal /year	5 quintal / year
2	Selling price of spawn	Rs. 100 – 120 / kg	Rs. 100 – 120 / kg
3	Net profit from spawn production	Rs. 30 to 40 / kg	Rs. 30 to 40 / kg

Impact of adopted technology in economic and social terms:

- Higher return through mushroom cultivation
- Women empowerment
- Generated self employment for youth and self help group
- Additional source of income
- Proper utilization of farm vegetative waste
- Nutritional security
- With the help of district administration planning to add mushroom and it's based product in the menu of Mid Day Meal in the Govt. Schools and Anganbadi
- Development of entrepreneurship

News Papers Coverage



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