

Agricultural activities to Agricultural enterprise for sustainable income

- i) **Name** : Mrs Ketaki Kalo,
Address: Village - Phuldhudi, Tangarpalli block, Dist- Sundargarh ,Odisha
Land holding- 4ac
Contact: 8018356874,
- ii) **Agro-ecology and farming situations**
 AES-II (L Rainfall, laterite soil), Rice+ Vegetable- Vegetables. Vegetable-
 Vegetable/ Mushroom/Poultry/ Vermicomposting/ diary
- iii) **Economic and social impact** (Horizontal spread/adoption by other farmers-
 no. and area)

<i>Enterprise</i>	<i>Gross cost (in Rs.)</i>	<i>Gross return (in Rs.)</i>	<i>Net return (in Rs.)</i>	<i>B:C Ratio</i>
Before intervention				
Paddy (4 ac)	27,200	54,000	26,800	1.98
Vegetables (1 ac)	52800	1,24,800	72,000	2.36
Cow (2 Nos)	4500	11,100	6600	2.46
Poultry (20 Nos)	1500	5000	3500	3.33
Total	86,000	194,901	108,900	2.26
After intervention				
Paddy (6ac)	72000	159120	87120	2.21
Moong (1.0 ac)	9000	20,000	11,000	2.22
Potato (0.5 ac)	5100	12000	6900	2.35
Vegetables (0.4 ac)	22700	62,000	39300	2.73
Cow (2 nos)	12900	32800	19900	2.54
Poultry (10 nos)	1200	3500	2300	2.91
Goatery (2 Nos) + 2 Kid	6200	16000	9800	2.58
Paddy straw Mushroom (1200 nos)	75600	234000	158400	3.09
Oyster mushroom (100 Nos)	4500	15000	10500	3.33
Vermicomposting (2 tanks and 1 Bag)	72000	230000	158000	3.19
Total	281200	784420	503220	2.78

Enterprise	Horizontal spread		Vertical spread		Overall impact*
	Area covered (ac or ha)/no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha)/no. of livestock unit or no. of livestock	No. of farmers	
Before intervention					
Rice (4 ac)					
Vegetables (1 ac)					
Poultry (20 Nos)					
Cow(2)					
After intervention					
Paddy (6ac)	20ac	15			3
Moong (1.0 ac)	6 ac	12			3
Potato (0.5 ac)	6 ac	21			3
Vegetables (0.4 ac)	12 ac	46			4
Cow (2 nos)	6 Nos	12			2
Poultry (10 nos)	50 nos	8			3
Paddy straw Mushroom (1200 nos)	75000 beds	70	8 Villages	25 nos	5
Oyster mushroom (100 Nos)	7500 bags	70	10 villages	45 nos	5
Vermicomposting (2 tanks and 1 Bag)	120 Units	35	354	650	5

*1-5 scale; 1=Lowest and 5=Highest

Background: Smt. Ketaki Kalo a 39 years young tribal progressive woman engaged in household activities. She has keen interest to do some agricultural activities for her family as she has completed her +2 Science before marriage. In one Skill development training programme on Mushroom cultivation, she attached with the KVK, after that she changed her perception towards agricultural activities to Agricultural enterprise for sustainable income round the year. In her unused 1 acre of land she started mushroom cultivation along with her vegetable cultivation, seedling raising and vermicomposting using modern techniques and practices along with poultry, dairy and goatery. She was able to earn about 2.70 lakh. This further inspired her in adding honey bee and other income generating activities and finally augmenting her income to more than double.

Detailed information of the training provided by the KVK:

Mrs. Ketaki participated in the 5 days' skill development training programme conducted on "Mushroom cultivation for doubling income and its management practices

atKVKSundargarh-1 in 2018-19 and also she attended a 3days Skill development training programme on Vermicomposting at KVK campus on 2019-20. During 2020 KVK adopted her village. After that KVK focusing all the technologies which is suitable for them with handholding support from TSP. Further she was trained on Nutri-gardening, Nursery raising on polyhouses Pisciculture, INM, IDM management in rice ragi, vegetables and Honey bee rearing under the TSP programme. At present she has added more units like paddy straw mushroom, Vermicomposting on commercial basis which has added more than doubling her income

Income: From the farming unit of 6 acres involving paddy, vegetable, poultry, mushroom, vermicomposting and animal components (Cows, Duckery and poultry) she has earned about 5 lakhs from her different enterprises and cultivation and her family very happy now.

Coverage/ impact of training:

The training helped her learning appropriate and scientific method of agricultural activities to enterprise mode involving paddy, vegetables, (Nutri-garden), poultry, mushroom and using their byproducts for vermicompost production. KVK linked with Horticulture deptt for establishment of a mushroom production unit. More often she regularly visits KVK and updates herself with new knowledge regularly with the help of scientists she has now able to establish herself as a beacon of hope among tribal women as a successful farmwoman.

Horizontal spread: Nine members of her SHGs were motivated to see their activities. Now they were also linked with KVK for taking training as well as to sustain their enterprise. Sometimes she involving other programmes as a resource person and being an active member of her SHG she has inspired many farmwomen and farmers for replicating similar farming system with integrated combination of all crops and enterprises. She has engaged three regular workers in her farm and she is ably supported by her husband and son who regularly market their produce in the weekly markets throughout the year. Her unit has also become an attraction among other departments as a model unit and different farmers under exposure visit regularly get inspired from her.

Concluding assessment: The initiative taken by Ketaki Kalo has proved that rural women can also have gainful employment and income through integrated farming.

Pictures



Paddy straw Mushroom and Oyster mushroom Production unit



Animal component in his farming system



Vegetable unit of Ketaki Kalo alongwith seedling raising in polytunnel

