

Success Story of Integrated Farming for enhancing livelihood

Background Information

In South Bastar Dantewada, where majority of the farmers are either small or marginal, the income from agriculture sector in their farm is not at all sufficient to run their families. Due to fragmentation of land – holdings, even after adoption of improved agricultural technology and practices, their economy condition has not improved. Integration of different agricultural allied enterprises with crop activity as base would provide ways to reuse and recycle produce/waste material of one component as input in the other linked component and to reduce the cost of production of the economic produce of the component two and finally to enhance the net-income of the farm as a whole.

KVK Intervention

Sh. Harsingh Oyami is one of the many farmers benefitted by the technology of Integrated farming system. Shri Oyami deriving his livelihood from the 5 acre land at Village Binjam, Block- Geedam, Dist- Dantewada (C.G.). Previously, he grown rice in 5 acre land during Kharif and vegetables in 2 acre land during Rabi. He has a pond and 10 cows but these are unproductive. The productivity of all crops & livestock's was very low as compared to standards. During the year 2011-12 Sh. Oyamiji came to contact and participated in extension activities of KVK. He adopted new improved agriculture technology of Rice, Maize, and Vegetables Cultivation as well as fish and cow farming as per suggestion given by KVK Scientists.

Impact

Presently, sh. Oyamiji gets net income of Rs. 3, 68,000/- with an average of Rs. 30666/- per month. The net income increased 57.6 % by adopting improved agricultural practices and Integrated Farming system. The income received from different enterprises is given in the Table-1. Integrated Farming System provide opportunities as crop insurance cover as money round the year are obtained from different farm produces. The integrated farming system not only increase the farm income but it also increase the Sustainability by the ways given below:

1. Productivity: Increase economic yield per unit area - per unit time by virtue of intensification of crops canopy, agricultural crop rotation and allied enterprise.

2. Profitability: The system, as a whole provides opportunity to make use of produce/ waste material of one component as input on the other component at the least cost.

3. Potentiality/Sustainability: In Integrated Farming System, organic supplementation through effective utilization of by-products of linked components as a measure is possible and this will certainly provide opportunity to promote soil health and to sustain the potentiality of the soil which is the production base.

4. Balanced food: In Integrated Farming System, we link components of different nature enabling to produce different sources of nutrition, namely, protein, carbohydrates, fats, minerals, vitamins, etc from the same unit area. It will provide opportunity to mitigate malnutrition problem of the farmers.

5. Pollution: In crop based activity, some of the organics are left as waste materials which in turn pollute the environment on decomposition. Application of huge quantity of fertilizers, pesticides, weedicides, insecticides, etc pollutes soil, water and air. Much of the wastes could be converted / recycled to some other forms of economic/ecological/social value, under the Integrated Farming System.

Table-1: Details of income received from different enterprises by Sh. Harsingh Oyami

S.N.	Components	Net profit (Rs.)	
		Before KVK interventions	After KVK interventions
1.	Crops (Rice, Maize and Vegetables) during Kharif in 5 acre land	50,000.00	80,000.00
2.	Vegetables during Rabi in 2 acre area	55,000.00	80,000.00
3.	Fish farming in pond	-	30,000.00
4.	Dairy farming (Milk from cow)	-	20,000.00
5.	Selling of NTFP (<i>Mahua, Tora, Sal Seed, Tamarind</i>)	42,000.00	58,000.00
6.	Selling of <i>Sulphi</i> Juice	65,000.00	80,000.00
7.	Vermicomposting	-	20,000.00
	Total	2,12,000.00	3,68,000.00

Village - Binjam, Sh. Harsing Oyami

