



INTEGRATED FARMING CAN DOUBLE THE FARMERS' INCOME

HORTICULTURE BASED INTEGRATED FARMING SYSTEM



Basic Information

Name : Sri Aruna Chandra Pradhan

Mobile : 7077846024

Address : Village: R.Udayagiri, GP: R.Udayagiri

Post Office: R.Udayagiri, Block: R.Udayagiri

District: Gajapati, Pin: 761016, State: Odisha

Background

Sri Aruna Chandra Pradhan (36 years old), a farmer of R-Udayagiri village, G.P-R.Udayagiri, Block – R-Udayagiri, Dist – Gajapati has 2hectors of agricultural land which he uses to grow direct seeded rice, maize, and greengram during *Kharif*. Most of his lands remain fallow during *Rabi* season due to lack of irrigation. Before 2015, he was only cultivating maize in and abled to earn Rs 32,000/- with net profit of Rs. 15,000/-.

Innovative Interventions

With the intervention of KVK, he has adapted horticulture based integrated cropping system and earning more profit than sole cropping of maize.

Technical Support from KVK

Considering the importance of horticultural crops especially vegetables (Tomato, Okra, Chilli, Brinjal) and other enterprises (Mushroom, Poultry) for a sustainable income, K.V.K Gajapati motivated him to adopt integrated farming system model during 2014-15. He has been involved in various KVK activities like FLDs, OFTs and various trainings programmes. With technical support of KVK, he started cultivating hybrid maize (PAC - 740) and HYV of vegetables like BT-10-Tomato, Tareni-Brinjal and early synthetic variety of cauliflower along with other non-land based enterprises like Oyster mushroom and Poultry breed Banaraja. Scientists of K.V.K has made regular visit to his farm and guided him to adopt scientific practices. KVK tried develop his linkage with various organizations for getting quality inputs throughout the year.



Economics

Crop/enterprise	Gross cost (Rs)	Gross return (Rs)	Net return (Rs)	B.C. Ratio
Maize	35000	65500	30500	1.87
Rice	20000	42000	22000	2.10
Tomato	45000	90000	45000	2.00
Brinjal	30000	55000	25000	1.81
Cabbage	35000	77500	42500	2.21
Cauliflower	20000	45000	25000	2.25
Total	185000	375000	190000	2.02

Overall Benefit

He is now growing transplanted rice (2 acre), ragi (1 acre) and maize (2 acre) in *Kharif* season and Tomato, Brinjal, Cauliflower and Cabbage in 2 acre of land during *Rabi*. He has also followed mushroom cultivation (20 beds) and poultry rearing (30 chicks) in addition to farming. With all these interventions, he is now able to fetch net profit of Rs. 1,90,000/- annually. He has purchased one pump set and one bicycle from his own income and also able to bear education and health related expenditure of his family and his brother's family.

Action Photographs



*HYB Maize of
Mr. Arun Chandra Pradhan*



*Laddies Fingure cultivation of
Mr. Arun Chandra Pradhan*