

Integrated farming system- A milestone of success

Name of the farmer: Prahlad Budhia

At- Kanakpur

Block: Bhawanipatna

Dist: Kalahandi (Odisha)

Mob. No : 8018698722 / 7894581168

Background Information

Village Kanakpur of Bhawanipatna block of Kalahandi district is just 8 km away from Bhawanipatna town. Agriculture is a primary source of income for the farming community of Kanakpur village. The existing farming system in the village was agriculture + dairying, where primary source of income was agriculture enterprise particularly from commodities like paddy. After KVK's intervention the farming systems was transformed to agriculture + horticulture + animal husbandry. Where horticulture crop became a primary source of income i.e banana, ridgegourd, bittergourd, cucumber, cowpea, brinjal, tomato, etc grown on in commercial basis which adds significant contribution to their income. Above all the members have shown a positive attitude towards change in the existing farming systems.

Description of the Technology:

Seed production in Paddy.

Papaya cultivation (KVK intervention during 2012-13)-Looking at the potential of papaya cultivation in the village and his interest, KVK Scientist advised him to go for developing a small papaya orchard in his 0.4 ha of upland with a spacing of 1.5.m x 1.5 m. Banana cultivation (PoP of Tissue culture) with utilization of the interspaces with off season vegetables like tomato, ridge gourd, cowpea, bitter gourd, cucumber etc. Pisciculture, Milk and paneer preparation, Hybrid Paddy cultivation, Dairy with cross breed cows

Disemination of the Technology :

- Capacity building through Training, FLD, OFT and other extension activities by KVK.
- Involved in different FLD & OFT programmes of KVK
- Diagnostic visit of KVK Scientist time to time
- Exposure visit by KVK and other line department
- Method demonstration showcasing all the package of practices
- Distribution of extension literature on management practices of papaya, cucurbits, banana etc.
- Training was conducted where nearby farmers also participated to notice the benefit out of IFS.
- ATMA(Dept.of Agriculture) and Horticulture (under NHM), also extended their helping hand to the interested farmers by providing frequent training programmes to update their knowledge level.

Institutes involved :

Krishi Vigyan Kendra, Kalahandi

Horticulture Department – National Horticulture Mission

Agriculture Department , Kalahandi

RRTTS, Bhawanipatna

Success Point

- Equal emphasis is given to all the component of the farming system.
- All the sound technology has been completed in time.
- Increased in knowledge and exposed to new technologies Adopt IFS model
- Shifted from paddy cultivation to Paddy + Diaring + Horticulture (Fruit & Vegetable)+ pisciculture.

Outcome

<u>Sl. No</u>	<u>Enterprises</u>	<u>Area (acre)</u>	<u>Season</u>	<u>Yield (Q)</u>	<u>Cost of cultivation (Rs)</u>	<u>Gross return(Rs)</u>	<u>Profit (Rs)</u>	<u>B:C ratio</u>
1	Paddy	1.5	Kharif	40	16,000	40,000	24,000	2.5
2	Banana	0.5	Kharif	500 bunches	27,500	75,000	47,500	2.72
3	Papaya	0.15	Kharif	79.8	15,000	79,800	64,800	4.65
4.	Sugarcane	0.2	Kharif	20,000 (canes)	20,000	52,000	32,000	2.6
5.	Tomato	0.2	Rabi	29	10,000	30,000	20,000	3.0
5	Brinjal	0.25	Rabi	20	9,000	32,000	23,000	3.5
6	Cowpea + Beans	0.2	K + R	15 11	14,000	40,000	26,000	2.85
7	Ridge gourd	0.2	Kharif	20	11000	25000	14,000	2.27
8	Cucumber	0.3	Kharif	20	7,000	20,000	13,000	2.85
9	Fishery	0.5	Kharif	4.0 q	6,000	18,000	12,000	3.6
10	Diary	2 nos.	--	8.0 lit/day	5,000	28,800	23,800	5.76
	Total				1,40,500	4,40,600	3,00,100	3.13

Impact :

By seeing his success farmers are shifting from monoculture paddy cultivation to horticulture based farming system. Farmers also include new enterprise like dairy and poultry with their paddy-paddy farming system. Income substantially increased with technological intervention in sustainable manner. Many farmers of the district have been motivated by his success and some farmers with av. holding size of 2.0 ha. have adopted fruit and vegetable based farming model with input assistance like drip irrigation, bore well, weeders, Poly house etc . from ATMA & NHM schemes of the district. KVK has maintained regular liasoning with them .