

SHRI BABASAHEB SHANKAR KOOT

Village : Pimpalgaon Khurd
Block : Kagal
District : Kolhapur
Contact No. : 9503697337
Education : 10th



Practices adopted

- ◆ Adopted natural farming since the last 30 years.
- ◆ Cultivated sugarcane, soybean, lady finger and chilli under natural farming.
- ◆ Developed a horticulture-based farm on a 2-acre land, where different fruit crops (mango, guava, custard apple, banana, lemongrass, sapota, coconut, dragon fruit, kadipatta) and under tree crops Sagwan (teak wood) were planted along with lady finger, chilli and other seasonal vegetables.
- ◆ Pioneered in natural farming through crop diversification. Used vermicompost and various homemade inputs judiciously to get optimum production from natural farming. It improved soil health condition.
- ◆ Used desi cow based and plant-based products like beejamrit, jivamrit, gir-go kripaamrutam bacterial culture, neemastra and brahmastra for crop health and plant protection. Used yellow sticky trap for control of aphid.
- ◆ Practiced green manuring of sesbania, sunhemp, cow pea, green gram.
- ◆ Practiced water conservation techniques including mulching of crop residue, bed sowing and ridge sowing along with drip irrigation and water harvesting.
- ◆ Carried out weed management through mulches.
- ◆ Practiced in-situ crop residue management with zero burning.
- ◆ Executed a direct marketing system of produce like wheat, sugarcane, vegetables etc.
- ◆ Produced liquid jaggery (Kakvi) about 25-30 litres and sold at Rs. 125/litre, thereby earning income of about Rs. 3600 from liquid jaggery.
- ◆ Used digital media tools like WhatsApp and YouTube for dissemination of information.
- ◆ Created awareness by participating at weekly markets and kisan club meetings organized by KVK Kaneri, Kolhapur and Department of Agriculture and Farmers Welfare, Kolhapur.



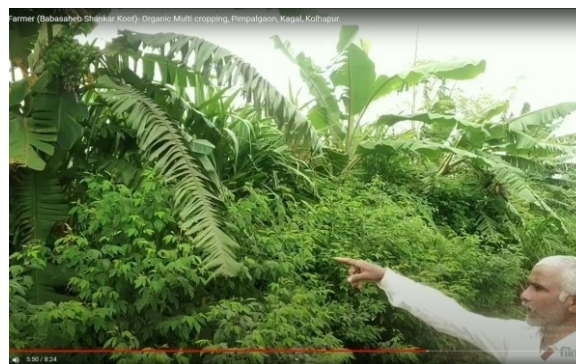
Comparison between Natural Farming and Conventional Farming

Parameters	Natural Farming		Conventional Farming	
Crop	Sugarcane (CO-86032) (1.6 ha)	Soybean (KDS-726) (1.6 ha)	Sugarcane (CO-86032) (1.6 ha)	Soybean (KDS-726) (1.6 ha)
Cost of cultivation (₹)	180400	40800	218000	54000
Production (q)	1641.81	42.8	1580	40
Gross return (₹)	541530	192600	458200	180000
Net profit (₹)	361130	151800	240200	126000
BC ratio	2	3.72	1.10	2.33

(Crops: Soybean is intercropped in Sugarcane in 1.6 ha area and total area is 1.6 ha)

Benefits and achievements

- ◆ Reduced cultivation cost.
- ◆ Obtained good yield comparable to conventional farming.
- ◆ Provided chemical-free products to the customers.
- ◆ Ensured efficient and economical use of natural resources.
- ◆ Provided guidance on natural farming to other farmers in the district.
- ◆ Received Chaudhary Charan Singh Progressive farmers' award for the year 2020 from Krishi Vigyan Kendra, Kaneri, Kolhapur, Maharashtra.



Source: Krishi Vigyan Kendra, Kaneri, Kolhapur, Maharashtra

