

SHRI APPASAHEB PANDURANG PATIL

Village : Mauje Sangav
Block : Kagal
District : Kolhapur
Contact No. : 9420134602
Education : M.Com



Practices adopted

- ◆ Adopted natural farming for the last 18 years in the form of multi-crop farming.
- ◆ Cultivated sugarcane, soybean, rice and different seasonal vegetables (brinjal, chilli, cauliflower, cabbage) under natural farming.
- ◆ Pioneered in natural farming through crop diversification. Used vermicompost and various homemade inputs judiciously to get optimum production from natural farming.
- ◆ 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. Also used yellow sticky trap for control of aphid.
- ◆ Practiced green manuring of dhaincha/sesbania, sunhemp, cow pea, and green gram.
- ◆ Practiced water conservation technologies including mulching of crop residue, bed sowing and ridge sowing, along with drip and sprinkler irrigation.
- ◆ Carried out weed management through mulches. Developed an ideal integrated model of vegetables for smallholder farmers.
- ◆ Practiced in-situ crop residue management with zero burning.
- ◆ Marketed produce directly in mandis, FPOs and through home delivery. Directly linked with Siddhagiri Natural Farmer Producer Company, Kaneri Math for selling organic vegetables and fruits.
- ◆ 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 ha)	Soybean (KDS-726) (1 ha)	Sugarcane (CO-86032) (1 ha)	Soybean (KDS-726) (1 ha)
Cost of cultivation (₹)	82500	27500	140000	31666
Production (q)	935	26.25	920	22.55



Parameters	Natural Farming		Conventional Farming	
Gross return (₹)	308550	118525	266800	101475
Net return (₹)	226050	90625	126800	69809
BC ratio	2.74	3.29	0.90	2.20

(Soybean is intercropped in Sugarcane in 1 ha area. Total area: 1 ha)

Benefits and achievements

- ◆ Reduced the dependence on inputs from external sources.
- ◆ Obtained good yield.
- ◆ Harvested chemical-free produce.
- ◆ Ensured efficient and economical use of natural resources.
- ◆ Guided about natural farming to other farmers in the district.
- ◆ Honoured with the Vasant Rao Naik Krushi Bhushan award for the year 2019 by the Government of Maharashtra.
- ◆ Earned a place on the Limca Book of Records 2008 for cultivating the longest snakegourd of 2.49 m (8ft 2 in).
- ◆ 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