

More profit through integrated farming approach

Name of farmer: Patel Jayeshbhai Dahyabhai

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Introduction: Shri Jayeshbhai Patel has been engaged in agriculture after completion his M.Com degree during 1993. When he took charge of farming in his hand he decided to do something to be new in agriculture & livestock farming. At this stage, he came in contact with KVK, Gandhinagar and meet the scientists. After long discussion & got the trainings at KVK, he decided to adopt new & improved as well as scientifically recommended technology in his farm & live stock enterprise.

He has total 32 milch animals in which 29 HF cows, 2 buffalos and 1 Gir cow. Due to scarcity of technical labour in this area he purchased Chaff cutter, Brush cutter, hydrolic trolley and automatic milking machine. After using these latest tools he can reduce the labour cost, save the time and got the clean & high milk production. He has total 8 ha land and don't use chemical fertilizer since 1993. Now his farm converted under organic. He also adopt intercropping like cotton with castor and got the higher production and increase the income level. He also produces organic wheat. His total land covered under drip irrigation system and he uses improved farm impliments.

As a result of these technologies he could be able to reduce the production cost, save the time, labour and electicity & water.

Economics

Intervention	Impact	
	Before	After
Irrigation	Furrow method	Drip irrigation
Fodder cutting	Hand cutting	Chaf cutter, brush cutter
Milking method	Hand milking method	Automatic milking machine
Seed sowing	Hand sowing method	Automatic seed drill
Field preparation	Bullock dwawn implements	Rotavator

Economics of Live stock

Particulars	Amount
Production	55,000 ltr/year
Rate of milk	25 Rs./ltr

Total expenditure	6,50,000
Gross Income	13,75,000
Net profit	7,25,000

Economics of agriculture (Cotton, Castor, wheat)

Crop	Production (Q/ha)	Rate Rs/ctl	Total expenditure	Gross income	Net profit
Cotton	48	4500	1,20,000	2,70,000	1,50,000
Castor	37.5	3800	1,05,000	2,28,000	1,23,000
Wheat	64	1800	45,000	1,44,000	99,000
Total			2,70,000	6,42,000	3,72,000