


Smt. Jasuben C. Chaudhari: Successful farmer by adopting IFS model

J. B. Butani¹, A. J. Dhodia² and C. D. Pandya³

¹Scientist (Animal Science), Krishi Vigyan Kendra, Navsari Agricultural University, Vyara, Dist. Tapi, ²Scientist (Agricultural Extension), Krishi Vigyan Kendra, Navsari Agricultural University, Vyara, Dist. Tapi, ³Senior Scientist and Head, Krishi Vigyan Kendra, Navsari Agricultural University, Vyara, Dist. Tapi

SUCCESS STORY

1	Name	Smt. Jasuben Chhakabhai Chaudhari	
2	Address	Ramaji Faliyu, Village: Unchamala, Ta: Vyara, Dist: Tapi	
3	Education	10 th Pass	
4	Mobile No.	9328832093, 9638610108	
5	Age	59 Yrs	
6	Total Land	2.0 ha.	
7	Crops Cultivated	Sugarcane, Paddy and Mango	
8	Situation analysis/Problem statement:	Animal husbandry along with agriculture is the inherited agribusiness of Jasuben's family. In agriculture, paddy and sugarcane are preferred as cash crops. While mango is cultivated in about 1.0 acres as a horticultural crop. Before adopting the new system, she raised only one cow as a livestock keeper. The main purpose was to use milk and manure as fertilizer in agriculture for home consumption. Thus, before adopting the new system, farming and animal husbandry were disorganized as well as conventional.	
9	Plan, Implement and Support:	KVK, Tapi conducts training and extension activities for the tribal farmers of Tapi district to increase their income through farming and animal husbandry.	



		<p>Accordingly, Jashuben also came in contact with Krishi Vigyan Kendra, Tapi through ATMA, Tapi and was inspired to abandon conventional farming and adopt Integrated farming system (IFS) in a scientific manner as per the guidance of scientists. KVK, Tapi- scientists were frequently visited on the spot and they get guidance according to their work from time to time.</p> <p>During 2018-19, she also joined 200 hrs (27 days-01/12/2018 to 26/12/2018) training programme of 'Organic Grower' at KVK, Tapi sponsored by Agricultural Skill Council of India (ASCI) under RKVY.</p>
10	Outcomes:	<p>Starting animal husbandry with only one cow, Jashuben had around 15 small and large cattle. But due to his ill health, he has kept only 5 animals at present. While through their own experience they have been making vermicompost manure and vermiwash from animal dung for the last three years. It is also used for home farming and retail as organic inputs. In addition, during year 2019-20, she has earned a total income of Rs. 84900 by selling 83 Kg earthworm at the rate of 300 Rs. Per Kg. In the same way, she has earned a total income of Rs. 25000 by selling 1000 litre Jivamrut at the rate of 25 Rs. Per Kg.</p>
11	Impact:	<ul style="list-style-type: none">➤ Now Jashuben has also mastered in the art of animal husbandry and organic farming and has become known as an ideal farming woman for the farmers of her village as well as the surrounding villages.➤ She has been awarded a certificate by Hon'ble Collector-Tapi on the occasion of "Mahila Svavlamban Divas" on Dt. 08-08-2018.➤ Jashuben has also inspired other farmers for adopt IFS model. Many Farmers of surrounding villages and different districts visited her IFS model.

Table 1: Significant Contribution of Jasuben in Growing Agricultural and Horticultural crops

SN	Year	Season	Crop	Area (Acre)	Production (Qt)	Expenditure (Rs)	Gross Income (Rs)	Net income (Rs)	B:C ratio
1	2012-13	<i>Kharif</i>	Paddy	3.5	49	30500	53900	23400	1.77
		<i>Rabi</i>	Sugarcane	3.5	1220	120000	219600	99000	1.83
		-	Mango	0.1	4.0	3000	6000	3000	2.00
2	2013-14	<i>Rabi</i>	Sugarcane (Ratoon)	3.5	1120	122500	201600	79100	1.65
		-	Mango	0.1	6.5	5500	11700	6200	2.13
3	2014-15	<i>Rabi</i>	Sugarcane	3.5	1540	157500	300300	142800	1.91
		-	Mango	0.1	11.5	6000	18400	12400	3.07
4	2015-16	<i>Kharif</i>	Paddy	3.5	60	38000	75000	37000	1.97
		<i>Rabi</i>	Sugarcane (Ratoon)	3.5	1470	147000	286650	139650	1.95
		-	Mango	0.1	18.0	9000	27000	18000	3.00
5	2016-17	<i>Rabi</i>	Sugarcane	3.5	1925	182000	385000	203000	2.12
		-	Mango	0.1	25.0	12500	40000	27500	3.20
6	2017-18	<i>Rabi</i>	Sugarcane (Ratoon)	3.5	1750	168000	358750	190750	2.14
		-	Mango	0.1	30.0	18000	48000	30000	2.67
7	2018-19	<i>Kharif</i>	Paddy	3.5	65	48500	91000	42500	1.88



		<i>Rabi</i>	Sugarcane	3.5	2030	203000	426300	223300	2.10
		-	Mango	0.1	34.0	18500	54400	35900	2.94
8	2019-20	<i>Kharif</i>	Paddy	3.5	59.5	44500	89250	44750	2.01
		<i>Rabi</i>	Sugarcane	3.5	1925	210000	404250	194250	1.93
		-	Mango	0.1	32.0	19000	57600	38600	3.03

Paddy varieties- GNR 3, Gurjari, Hybrid 312 etc. **Sugarcane varieties-** 86002, 10001

Table 2: Significant Contribution of Jasuben in Animal Husbandry

SN	Year	Total no. of Milking Animals	Total Milk production (Lit)	Gross total income (Rs.)	Total Expenditure (Rs.)	Net income (Rs.)	B:C ratio
1	2012-13	7	18181.8	545454	215230	330224	2.53
2	2013-14	11	3709.3	1038304	412300	626304	2.52
3	2014-15	7	2338.5	724937	282500	442437	2.57
4	2015-16	6	14451.5	798000	624800	174800	1.28
5	2016-17	12	14793.0	842854	545000	297584	1.55
6	2017-18	11	14738.7	806940	557000	249940	1.45
7	2018-19	7	11025.0	742459	576000	166459	1.29
8	2019-20	5	4297.0	228077	167289	60788	1.36

Table 3: Progressive economics of vermicompost and vermiwash preparation by Jasuben

S.N.	Year	No. of bed	Vermi-compost		Vermi-wash		Total Gross income (Rs.)	Total Expenditure (Rs.)	Net income (Rs.)
			Production (Kg)	Gross income (Rs.)*	Production (Lit)	Gross income (Rs.)#			
1	2016-17	2	6000	30000	-	-	30000	4500	25500
2	2017-18	10	30000	150000	-	-	150000	21000	129000
3	2018-19	16	48000	240000	2000	10000	250000	33600	217400
4	2019-20	18	54000	270000	-	-	270000	118800	151200

Every year she filled vermi-bed three times and harvested vermicompost accordingly

*Selling price of vermicompost- Rs.5 per kg

#Selling price of vermiwash –Rs.5 per lit

Table 4: Total annual income generated by Jasuben by adopting IFS model

SN	Year	Total income			Total annual Income (Rs.)
		Agriculture & Horticulture (Rs)	Animal husbandry (Rs.)	Enterprise-Vermi-compost production (Rs.)	
1	2012-13	1,25,400	3,30,224	-	4,55,624
2	2013-14	85,300	6,26,304	-	7,11,604
3	2014-15	1,55,200	4,42,437	-	5,97,637
4	2015-16	1,94,650	1,74,800	-	3,69,450
5	2016-17	2,30,500	2,97,584	25,500	5,53,584

6	2017-18	2,20,750	2,49,940	1,29,000	5,99,690
7	2018-19	3,01,700	1,66,459	2,17,400	6,85,559
8	2019-20	2,77,600	60,788	1,51,200	4,89,588

Jasuben actively participated in training programmes at KVK, Tapi



Agricultural crops cultivated by Jasuben



Sugarcane crop

Threshing of paddy by using paddy thresher

Agro-forestry Plantation (sandalwood trees) along field border



Nutritional organic kitchen garden developed by Jasuben

Scientific dairy management by Jasuben



Daily care and maintenance activity



Chaff cutter



Milking Machine

Adoption of Scientific Dairy Practices



Production of Vermicompost and Vermiwash



Exposure visit by other farmers



Media Coverage