

## HORTICULTURE BASED AGRICULTURE: A WAY OF DOUBLING FARMERS INCOME

### (Success Story)

**Introduction:** Mr. Sona Ram Mali (49), is from Tura village, Sayla block of Jalore District, Rajasthan, India. He has studied up to the upper primary level. He currently owns 12 acres of land and he is practicing intensive horticultural crops such as pomegranate and Fig along with other field crops



**Situation Analysis:** The erratic rainfall and adverse environmental conditions are major factor for growing field crops in a particular area. Semi-irrigated and He has a deep interest in farming because his ancestors used to cultivation practices.

**Table: 1 Situation Analysis**

S.No.	Farming Situation	Type of Farming Situation
1.	Soil Type	Sandy Loam and Loamy Sandy
2.	Soil Texture	Clay and Sand
3.	Irrigated/Rainfed	Irrigated
4.	Source of Irrigation	Tube Well and Farm Pond (Rain Water harvesting)
5.	Water Availability	Ground water and Rain
6.	Method of Irrigation	Drip and Sprinkler System
7.	Livestock	Cow and Buffalo
8.	Farm Machinery	Tractor, MB Plough, Thresher, Leveler, Seed drill and Tractor Operated Sprayer
9.	Agri-enterprises	Pomegranate (Grading) and Fig

**Technology Implementation & Support:** Earlier, he followed the traditional cropping system with pomegranate and was getting an annual income of Rs **467000**. He trained under extension centers of Agricultural University, Jodhpur, and Krishi Vigyan Kendra, Jalore-I. With his rich knowledge of agriculture and allied sectors, he got inspired to establish and cultivation of pomegranate and Fig. He emphasizing on organic cultivation of pomegranate and using only organic based material for the production. Among organic material he is using *Trichoderma viride*, *Paecilomyces lilacinus*, vermi-composting, FYM, neem cake, Neem oil, *Trichogramma chilonis* and green manuring. He is the partner farmer of KVK, Jalore getting new and innovative ideas from the Krishi Vigyan

Kendra for the efficient utilization of resources. The nearby famers are also inspiration from him. Last year he had introduced Fig in Tura village and planted more 2000 plants at own field. His production of horticultural crops has increased manifold with the cultivation of pomegranate and fig. He is completely focusing on the organic cultivation of fruit crops along with field crops. Now he regularly participates in extension programmes such as kisan melas, field days and crop trainings organized by Krishi Vigyan Kendra, Jalore-I

Before taking up the horticultural farming system, he used to cultivate crops in a traditional way. After the KVK intervention, he has been able to practice agriculture with modern horticultural and protection methods such as the use of balanced fertilizer, weed management, water management and integrated pest and disease management with innovative techniques/methods.

**Uptake Spread and Benefit:** Owing to these factors, now he gets a good yield and has witnessed increased production and productivity of crops (Table 1). Now, he is getting Rs.**2057000** annual gross income from the pomegranate orchard. The orchard is helping him not only doubling the income but also inspiring the other local famers.

**Table: 2 Uptake Spread and Benefit**

**Without Interventions**

Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)		
Field Crop1	Mustard	1.0	4	17000	10000		
Field Crop2	Pearl millet	1.0	8	12000	7000		
Horti.Crop1	Pomegranate	2000	300	900000	450000		
Total				929000	467000		
With Interventions							
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop1	Mustard	1.0	8	35000	25000	100.00	150.00
Field Crop2	Pearl millet	1.0	11	22000	12100	37.50	72.86
Horti.Crop1	Pomegranate	2000	500	2000000	1500000	66.67	233.33
Total				2057000	1537100		229.14



**FIG ORCHARD (NEWLY ESTABLISHED)**



**POMEGRANATE ORCHARD**