

## Samarth in Participatory Action (SIPA) Dist. – Khandwa

**Lakhan Patidar (Ag. Expert), SIPA Khandwa**

ARTICLE ID: 026

**Farmer Name** – Premsingh Solanki

**Village**- Bangarda

**Block** – Punasa

### **Situation**

The concept of “Doubling the Income of Farmers” can be achieved in two ways – Increase the production and productivity or reduce the cost of cultivation. In our country most of farmers belongs to marginal and small categories and have limited resources. They are already utilizing the resources to its optimum use. Reducing the cost of cultivation is a better option for such farmers to increase their Income from farming.

Mr. Premsingh Solanki, is a farmer from village - Bangarda, district – Khandwa is practicing farming in his 4a cre of land since his childhood. He depends on market for their agriculture related input requirements. Major part of his income is spent to purchase Seed, Fertilizers, Insecticides and Pesticides, the overall net income from Agriculture is very less that is not even sufficient to fulfill the livelihood requirements of his family.



### **The drivers**

Samarth In Participatory Action Society (SIPA), a non-profit organization working in the district for Agriculture Development under Aspiration District Program and ITC Mission Sunehra Kal, selected his village as an Aspirational Village and started a Farmer Field School (FFS) in the Village. Organization is running 50 Farmer Field Schools in district with objective to reduce the cost of cultivation and enhance income of farmer.

One Farmer Field School consist a group of 25 farmers, in which one is a principle farmer who lead the adoption of new technology and 25 are the student farmers, who learn the demonstrated practice from field of principle farmer.

### Methodology –

Mr. Premsingh Solanki, attend a meeting of FFS and been the part of the FFS. He willingly been the principle farmer and agreed to adopt the advance package of practices (PoP) for Wheat in his farm. He got certified seed of Wheat variety MPO 1215 from Agriculture Department through Scheme Linkage by organization at 50 % subsidy and sown in 1 acre of land. Before sowing he did Seed Germination Test, Seed Treatments, Soil Testing and also started preparing organic inputs like Matka Khad, Panch Patti Ghol, Decomposer and Vermi-compost.



He followed the following package of Practices (PoP) -

Particular	Demo	Control	Remark
Field prepration cost	500	1000	One time is with tractor and two times by bull in demo plot
Cost of seed	800	1800	Demo seed purchased by department with 50 % subsidy
Seed Treatment Cost	100	100	With Trichoderma
Sowing Cost	0	700	Sown by bullock drawn Tifan in Demo and seeddrill in control

Weed Management Cost	0	500	Manual weeding done in Demo and chemical spray in control
Insect Management Cost	0	500	5 patti kadha and chajh spray in demo plot
Fertilizers Cost	0	1800	Used homemade Vermi-compost instead of fertilizers in demo plot
Cost of Irrigation	500	500	5 irrigations
Harvesting Cost	1000	1000	
Threshing Cost	2500	2150	6 KG seed per 100 KG of Wheat threshing
Labour Cost	300	300	
Other	800	800	Transportation charges of produce from field to mandi and other charges
Total Input Cost	<b>6500</b>	<b>11150</b>	
Seed Yield (KG)	2100	1800	
Seed Sale Price (per KG)	30	19.25	
Income from Seed Yield	63000	34650	Sold his organically produced wheat directly to consumers.
Income from Straw Yield	5000	4000	
Total Gross Income	68000	38650	
Net Income	<b>61500</b>	<b>27500</b>	

He uses his home-made organic inputs, Compost, FYM and decomposer instead of Chemical Fertilizers and Agro-Chemicals, which greatly reduced the cost of cultivation and also helps to increase soil fertility.

#### The Impact –

As he is the Principle Farmer of the FFS, other FFS farmers were exposed to his field and learned the adopted PoP. They agreed to adopt all this on their own farm and also told to other farmers of the village. Senior Agriculture Development Officer (SADO), Rural

Agricultural Extension Officer (RAEO) and other Agricultural officials also visited and appreciated the farm activities followed in the demonstration plot.



From control. He is now a lead farmer of the village and want to grow high value crops instead of traditional crops. He also will to setup new units for Vermi-compost for not only to use in own farm but earn additional income from selling of Vermi-compost, Vermi-Wash, Decomposer and other organic inputs.