

SUCCESS STORY: 2

Name of KVK: KVK, Pipalia Rajkot-II

Title: Vegetable production under protected cultivation is an alternative source of livelihood

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Introduction:

Shri Hareshbhai Viradiya is innovative farmers of motamahika villages, taluka-Gondal district Rajkot of Gujarat state with 1.3 ha of land. He educated up to 11 std., during his study, due to some reason he left his study and started a small business of repairing farming tools and machinery at his own village. At that time, his father was looked after his farming and earned only 1.5 to 2 lac from his land annually by cultivating regular crop (Groundnut, cotton, cumin) without any scientific technological knowhow. Once Mr. Haresh visited one protected cultivation at Junagadh Agricultural University, Junagadh, being a mechanical behavior, he strikes to growing crop or vegetable in protected cultivation. He starts to collect information about green house and finally in 2013 set up well-structured green house of about 1 acre on his own land. Initially he failed to produce quality vegetable from green house and suffer economical loses because of heavy pest and disease infestation. Now he decided to produce quality food from green house, with the help of scientists of Krishi Vigyan Kendra. Because of KVK scientists' effort and his hardworking nature, his yield and income goes extremely high that nobody can believe.

KVK Intervention:

Mr. Hareshbhai is a young educated farmer of motamahika village. Earlier Hareshbhai was doing another business of repairing of farming tools. He prepared farm tools by their own. By knowing the greenhouse farming after participating in KVK Pipalia training and frequent visit to kvk he decided to prepare a greenhouse and start vegetable farming in greenhouse.

Shri Hareshbhai made greenhouse of 1-acre area in the year 2013-14 and initially he grown off season ridge gourd and cucumber and got maximum prices from the market in which heface some problems like heavy pest and disease occurrence, improper pollination. He was new to this type of farming and never knows to fight with this type of situations. Due to improper pollination in vegetable, he also ready to adopt bee keeping in green house but not get guidance however after getting proper guidance from scientists of KVK his problems was resolved. He adopt hand pollination at flower opening time by identifying male and female flowers,whole family was doing this operation until mid-night, and by proper pollination they got not only maximum production but also ways to do proper use of IPM practices to protect their crop from heavy occurrence of pest and diseases.

Output:

Shri Haresh bhai mentioned that by adopting this technology after two year of extreme effort, he got more output from 1-acre area as he never got it from open field. As compare to earlier situation, in the 3rd year he produced 15,000 kg of ridge gourd and earned Rs7, 20,000 /- from 1-acre area in Rabi season. Whereas in 2015-16 year he produced 15,000 kg of cucumber and earned Rs2, 70,000/- income from kharif season. Total 16,000 kg of ridge gourd production and Rs 8, 00,000/- annual income from this 1-acre area, finally he earned Rs. 10,70,000/- for the year 2015-16 from 1 acre green house.

Year	Season	Crop	Production (kg/acre)	Income (Rs./acre)	Expenditure (Rs./acre)	Net Profit (Rs./acre)
2013-14	Kharif	-	-	-	-	-
	Rabi	Ridge Gourd	15,000	7,20,000/-	1,30,000/-	5,90,000/-
Total (2013-14)			15,000	7,20,000/-	1,30,000/-	5,90,000/-

2014-15	Kharif	Cucumber	12,000	2,50,000/-	1,10,000/-	1,40,000/-
	Rabi	Ridge Gourd	8,500	4,50,000/-	1,20,000/-	3,30,000/-
Total (2014-15)			20,500	7,00,000/-	2,30,000/-	4,70,000/-
2015-16	Kharif	Cucumber	15,000	2,70,000/-	1,15,000/-	1,55,000/-
	Rabi	Ridge Gourd	16,000	8,00,000/-	1,30,000/-	6,70,000/-
Total (2015-16)			31,000	10,70,000/-	2,45,000/-	8,25,000/-
2016-17	Kharif	Cucumber	14,000	3,50,000/-	1,25,000/-	2,25,000/-
	Rabi	Ridge Gourd	25,000	12,50,000/-	1,80,000/-	10,70,000/-
Total (2016-17)			39,000	16,00,000/-	3,05,000/-	12,95,000/-
Grand Total (4 years)			1,05,500	40,90,000/-	9,10,000/-	31,80,000/-

Impact:

Due to adoption of scientific technology, Shri Hareshbhai able to stands his life economically at upper stage and become a respected person in community. He proved that when scientific knowledge and hardworking works together then we can achieve our desired goal. Shri Hareshbhai set an example of doing farming as a business point of view instead of regular farming that we are doing since our ancestors. He also encourages and trained nearby rural youth about vegetable production in protected cultivation. His adventurous efforts encourage other 10 to 15 farmers to develop this type of protected cultivation structure and whenever they have any troubles regarding they contact Krishi Vigyan Kendra scientist and Haresh bhai also.