

Success Story on Organic Vegetable Cultivation under RKVY **Scheme implemented by WBCADC Sonamukhi Project**

Topic- Organic vegetable cultivation a steady pillar of marginal farmers for livelihood security of Rural SHGs

Category- Cultivation techniques of organic vegetables

Challenges- Due to indiscriminate use of pesticide in Agricultural, Horticultural and other crops quality of produce degraded day by day. Residual effect of pesticide spread from crop to environment. Most of the beneficial micro organism population become less, soil is getting toxic & contaminated.

Various Vegetables are directly eaten raw (e.g. Cucumber, carrot) or lightly cooked (e.g. leafy vegetables) so residual harmful chemicals got in our body and do severe damage.

Due to chemical pesticide used for pest management, sometimes vegetables are harvested next day after a pesticide spray (Brinjal, Cucumber) because vegetables shelf life is very short and got aged quickly.

At present vegetable production approaches encourages uses of heavy dose of inorganic fertilizer and pesticide for obtaining better production. As a result, different types of pollution occurred and living being are suffered severely.

Initiative – The area of Khyerboni, under Sonamukhi block was selected to implement the RKVY Scheme 2021-22 on ORGANIC VEGETABLE PRODUCTION.

Our beneficiary was SHGs women Smt. Durga Bagdi. She is a local marginal farm women who run her family by selling vegetables at local market. She was cultivating various vegetables crop throughout the year in conventional way. Keeping this back ground in mind WBCADC Sonamukhi Project take necessary action for implementing this scheme with the involvement of Smt. Bagdi.

When she hearded about RKVY scheme, she was showed interest to do this cultivation practices but she was little bit concerned too because it was her only income source, then we explained her the scheme that she will be given a total of Rs 15,750/-In three instalments to a kick start her eco-friendly cultivation in sustainable way.

Key Result – Cultivation was started with the guidance of WBCADC Sonamukhi Project expert from initiation to harvest of the vegetable. Smt. Bagdi told that seed treatment was done by the application of cow urine with recommended dose. Another organic inputs like FYM, vermi compost , neem cake was applied during final land preparation. Plant spacing was maintained at 4ft × 2 ft. Soil drenching with

Trichodema viride and *Pseudomonas sp* @ 5 g/lit. was done 21 DAS. Another routine practices was done in specific time interval. For management of insect in ridge gourd Neem oil 10000 ppm @ 3ml/lit. of water was applied at 15 days interval or when required. It was observed that disease and pest are present in the field below ETL. Yield of ridge gourd was obtained 4 quintals from 10 kathas of land. The total production was sold by her at local market and gross earning was Rs. 10400. Gross cost of cultivation was Rs. 5400. She had got net profit of Rs. 5000 respectively. BCR is 1.92.

Impact – As we know that organic method of vegetables production is very healthy for beneficial micro-organism in soil and consumption of these vegetables is less toxic to human. It was observed that the produce obtained from her organic field shelf life is little longer and quality is better compared to chemical methods, she is very happy to knowing that now her produce contained fewer toxic substances, beneficial micro-organism *i.e* earth warm population is more than previous year which may indicates soil health become improved and ecological balance is preserved in a harmonious way. Some local teachers and other educated persons buy vegetables only from her. Health-conscious peoples are creating opportunity for marketing of this kind of organic vegetables in local market. From the above finding it was observed that peoples are awarded regarding benefit of these practices. As a result, most the women SHGs showing interest for adopting this technology at their field for own consumption. Organic entrepreneurs were visited this office for gathering knowledge and adoption procedure of this technology.

Skill development training and scientific field visit made easy for horizontal spread of this techniques throughout the district.

Lesson Learned – Only training and free material distribution is not the right way to implement a scheme or a new approach. Hands-on experience/execution with guidance is key of success.

People never follow words, they follow result. So in agriculture selecting a model farmer and materialization of a idea a great way to start adaptation.

In the end particle approach and profit is key in adaptation of new technology, because if one way is far superior than another but gives less profit is never going to be a mass adaptation.

ADDITIONAL INFORMATION :

Name of the beneficiary : Durga Bagdi

SHG Name: Khayerboni Bagdipara Mohila Dol

Mobile- 9002352043

Address : Khayerboni, Khaer Bani, Bankura, WB-722207

Year of Approval: 2021-22

Checklist :

No.	Question to consider :	Yes.	No.
1.	Is the story interesting to the target audience of the Project / Activity report ?	Yes	
2.	Does the story explain what new insights the project brings? What is the main lesson learned from the story? Does the story describe a key insight on what works and what doesn't and something that future projects could build on ?	Yes	
3.	Does the story describe the outcomes the project produced and people who are benefitting? What changes-in skills, knowledge, attitude, practice, or policy-has the project brought about and who is benefitting from this changes ?	Yes	
4.	Does the story make a compelling point that people will remember ? Does the story show how the project makes a difference to improving livelihoods and lessening poverty	Yes	
5.	Does the story provide and interesting fact that people will remember? For example, how yield increased, how many hectares of land could become more productive from this innovation or technology ?	Yes	
6.	Does the story explain what kind of impact this innovation or technology could have if scaled up ?	Yes	
7.	Does the story show which partner contributed and how ?	Yes	
8.	Does the story include quotes from stakeholders or beneficiaries ?	Yes	
9.	Have I provided links to other media (Journal articles, website news, newsletter, blogs, annual reports or other Programme / Projects) that also feature this story ?		No.
10.	Have I provided the contact details of people who can provide more information ?	Yes	



Pic:1: smt. Durga Bagdi with her Husband



Pic: 2- Ridge gourd at hervesting stage



Pic:3- Ridge gourd field



Pic:4- Scientific field visit