


Thematic area – Horticulture

Cultivation of vegetables in four farming with organic inputs

Particulars	Remarks
Profile of innovator	<p>Name - Shri Akash Chaurasia Mobile No. - 9179066275 Age - 31 Years Education level -12 Size of land holding (acres) - 3.1</p> 
Problem/ challenge addressed	Shri Akash Chaurasia earlier grew vegetables i.e. Tomato, Brinjal, Ginger, Cucurbites and Betelvine by traditional methods and indiscriminate use of chemical fertilizers in 1.25 ha land available with him and his earning was Rs. 2.5 lakhs annually with the cultivation cost of Rs. 40,000/ha.
Description of innovative practice/technology	<p>By the intervention of KVK, he started vermicomposting and vermiwash collection through vermi pits. At present, Shri Chaurasia apply and 5-8 times vermiwash application in the vegetable cultivation directly from vermiwash container through drip irrigation and vermicompost is applied in soil @ 3-5 tonne/ha. As a follow up of training and demonstration he adopted hi-tech activities in growing of horticultural crops i.e. mulching, drip irrigation and stacking in tomato, multilayered vegetable cultivation by improved techniques and betelvine.</p> <p>By the adoption of four layer farming (Ginger, Leafy vegetables, Kundru, Papaya) and application of Cow dung extract and vermiwash in vegetables through drip system resulted in higher net returns per unit area.</p>
Practical utility	Application of vermicompost improved soil health and given productivity of tomato from 140 to 350 q/ha, brinjal 110 to 270 q/ha, ginger 70 -110 q/ha and betelvine 56 to 80 q/ha.
Source of information	Krishi Vigyan Kendra, Sagar, Horticulture Department, Sagar
Economics/Profitability of innovative practice/ technology (costs and return)	After three years adopting the above technology Shri Chaurasia is gaining Rs 6.5 lakhs per year as net income however the cost of the cultivation and vermicomposting in 2.0 lakh in the starting year and thereafter 1.2 lakh only through this system.
Potential : Acceptance level, horizontal spread of innovation and number of farmer adopting	<p>Shri Akash Chaurasia registered a NGO for training and other extension work. He conducted 8-10 trainings per year on organic cultivation of vegetables/ betelvine motivated the farmers of the area and they are gradually adopting the above technology.</p> <p>Shri Cahurasia organized farmers training on organic cultivation on 27-28 of every month. He conducted 112 training for 28442 farmers so far. The field of Shri Chaurasia is identified for visit of farmers group under “ Mukhya Mantri Khet Tirth Yojna” in 2013-14 by KVK Sagar, Govt. of Madhya Pradesh through ZPD, Zone-9, ICAR, Jabalpur. In this Yojna total 150 farmers group visited his field (2342 farmers) so far. As a follow up of these trainings, farmers of the area are motivated and they are gradually adopting the above technology in large scale.</p>
Awards National level	1. Organic Four layer Farming National Award by Entrepreneurs Association of India, New Delhi (26/8/2017)

	<ol style="list-style-type: none"> 2. Rastriye Swayam Shiddhi National Award By Jindal Foundation New Dehli (03.08.2017) 3. Indian Best Farmers National Award By Bioved Research Institute of Agriculture and Technology Allahabad U. P. (19.02.2017) 4. Mahindra Samridhi India AgriYuva National Award Given By Mahindra & Mahindra, New Delhi (02.02.2017) 5. Indian Best Farmer National Award By HR Club Mumbai date (21.01.2017) 6. Patanjali Krishi Gaurav National Award By Patanjali Yogpeeth, Haridwar (04/08/2016)
Awards State level	<ol style="list-style-type: none"> 1. JNKVV Farmer Fellow Samman 2017 By JNKVV, Jabalpur (M. P.) (07.10.2017) 2. Maa Pratibha Devi National Award By Jan Parisad Bhopal MP (05.06.2017)



New India Award (Youth for Development) by Hon'ble Prime Minister, Govt. of India



JNKVV Farmer Fellow Samman 2017 by Hon'ble Agriculture Minister, Govt. of M.P.



Indian Best Farmers National Award By Bioved, Allahabad



Mahindra Samridhi Award by Hon'ble Agriculture Minister, Govt. of India