



Krishi Vigyan Kendra , Tikamgarh
J.N.K.V.V., Jabalpur (M.P.)
Year 2013-14

Thematic Area
Organic Vegetable Production



Natural Resource Management
Use of Bio-Gas Slurry

Profile

Name -	Ram Kumar
Village -	Kanti
Block -	Tikamgarh
District -	Tikamgarh
No. of Households-	242
Cultivated land -	241ha.

Description of Innovation

Kanti was adopted as National Initiative on Climate Resilient Agriculture (NICRA) village of district Tikamgarh (M.P.) during 2010 by the KVK Tikamgarh. In this connection biogas plant were established in adopted village as per the availability of FYM due to large number of live stock population/ farmer. The Tikamgarh district is more suitable for horticultural crops like vegetables, spices, flowers and fruits because of availability of 64% irrigated area, out of which 76% area comes under well irrigation. The productivity of fruits, vegetables, flowers and spices is very low as compared to its potential yield expected from improved technologies. Shri. Ram Kumar is a enthusiastic and optimistic farmer but he was not getting remunerative income and benefits from his traditional field crops cultivation, due drought and unavailability of water through round the year. In this manner, Shri. Ram Kumar was involving in cultivation of traditional crops i.e. wheat, gram and mustard in Rabi season and in Kharif season- soybean. Annual income was Rs. 49500 from tradition crops. He made contact with KVK experts and discusses with them as his faced constraints in the farming system and reflects his demand for regular source of water so that he could earn daily income from the farming. After generation of irrigation facilities, he started to grown of horticulture crops (Zinger, Kharif- onion, brinjal, tomato, chilli, colocasia, potato and marigold) on his one ha. land. From this type of diversification in his production Shri. Ram Kumar has increased his average income from Rs. 49500=0 to Rs. 175000 /annum. Now, he has not increased only his annually income but also social status and recognition in the village and Getting 10000/= Prize by ATMA for Best farmer Award on 15 August 2013.





Practical utility of innovation

The awareness has been increasing in villages regarding by cultivation of vegetables. The use of bio-gas slurry is of utmost importance in modern vegetable production in order to sustain the soil health and to improve the quality of vegetables as organic produce. This is not only saves about 25 % of the chemical fertilizers but also helps in improving the fertility status of soils. If people use biogas slurry properly and use biogas energy for other activities. The best utilization bio-gas slurry of as balancing the saving the natural resources as well as human health and enhance vegetable production through organic farming.