

Success Story on Integrated Pest management (IPM) in Guidance of Dr. Shailendra Singh Dhaka, SMS/ Assistant Professor (Plant Protection)

Success Story – In Voice of farmer

Sh. Hariom Sugarcane grower progressive farmer Devipura, Pilibhit	Shailendra Singh Dhaka SMS/Asstt Professor K rishi Vigyan Kendra, Pilibhit
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Integrated Pest management (IPM): A pest management Strategy for sustainable Agriculture

There are many abiotic and biotic stresses which are responsible for the loss in productivity of the crops. As the abiotic factors are natural and environmental so they are beyond our control, but, the biotic stresses may be controlled easily. Among the biotic stresses insect, pests, diseases and weeds cause considerable damage to potential agricultural production. Most of the farmers are dependent on the pesticide sellers for the protection of their crops against pests and diseases. When they face any problem they take their crop samples to these retailers and want a solution from them. These retailers remain under the influence of various private limited companies who give them more margins for selling their products. So they give farmers the products which fetch them more profits rather than going for the actual need of the farmers. Many a times they give many additional pesticides to the farmers which are of no use for them.

The solution to above mentioned pesticide adversities lies in the implementation of Integrated Pest Management (IPM) system, which combines the use of different pest control strategies such as adoption of proper cultural practices, cultivation of resistant varieties, and following of more biological and less chemical control techniques. IPM is no doubt more complex in nature for the producer to follow and implement, since it requires skills in pest monitoring and understanding of the pest dynamics.

Sh Hariom is a farmer in Devipura village of Pilibhit. Although he is a good progressive farmer but he used to face a lot of problems regarding the pests and diseases in his sugarcane crop. He was solely dependent on the pesticide retailers to save his crop against different pests and diseases. In this he used to invest a lot of money but was unable to get the desirable results. Then he came in the contact with KVK where I suggested him to follow the principles of IPM to

manage the pests and diseases in his sugarcane crop. He was suggested to follow the principles of IPM right from the planting of the sugarcane in his field. Firstly he was advised to deep plough the field during summer and application of all the fertilizers on the basis of the report of soil test of his field. He also selected the seed cane from healthy field and also discarded the diseased canes for sowing. He also treated the seed cane before sowing in the field and also did all the pest control measures as per the need as suggested by me. For the last two years he is following the principle and getting the good results as per the details given below.

Year	Non IPM			IPM		
	Yield (q/ha)	Cost of Cultivation (Rs/ha)	Net return (Rs/ha)	Yield (q/ha)	Cost of Cultivation (Rs/ha)	Net return (Rs/ha)
2012-13	632.00	26800.00	110400.00	834.00	22600.00	160050.00
2013-14	656.00	28200.00	114400.00	867.00	23400.00	166675.00

Thus with the technical support of KVK Sh Hariom is taking good net return from his sugarcane crop and he has also been relived from the net of pesticide dealers. He has been more aware and keento take the help of KVK to other crops also. He is also motivating other farmers to seek the technical help of KVK rather than going to the pesticide dealers directly so that they can also fetch maximum returns from their crops.