INTERNATIONAL JOURNAL OF PLANT PROTECTION | VOLUME 6 | ISSUE 2 | OCTOBER, 2013 | 316-319

IJPP

RESEARCH ARTICLE

Facilitating adoption of integrated pest management practices in rice in Rajnandgaon district of Chhattisgarh

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ARITCLE INFO

Received : 09.05.2013
Revised : 30.06.2013
Accepted : 16.07.2013

Key **W**ords :
Rice, Socio-economic analysis, IPM, Demonstrations, Trainings

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ABSTRACT

Rice is the major crop grown in Rajnandgaon district. The important insects and diseases which damage the rice crop are stem borer, brown plant hopper, leaf folder, cut worm, blast and BLB etc. Due to heavy infestation of insect and diseases, farmers used to spend huge amount of money for purchase of pesticides to control insects and diseases. Keeping this view in mind, the IPM module was applied among the farmers by the KVK for reducing the cost of pesticides. This study was carried out by the Krishi Vigyan Kendra, Rajnandgaon through trainings, OFTs, FLDs and Advisory services etc. during 2009-10 to 2010-11.The major components taken under IPM modules were deep summer ploughing, Seed treatment (for diseases), green manure (*in situ*), balance use of fertilizers, seedling root dip/nursery treatment to control stem borer, 30 cm alley formations at every 2.5 to 3 meter distance for plant hopper and sheath blight, installation of light traps, pheromone traps, use of "T" shaped bird perches, application of neem oil, cow urine and warmi wash etc. It was revealed that the farmers reduced the cost of cultivation of rice by adopting IPM modules and more than 60 per cent farmers were adopted the above practices for insect and diseases management. Hence, the IPM module is very effective to manage insect and diseases in rice crop, other farmers also started to adopt this method in their fields. due to KVK efforts.

How to view point the article : Chandrakar, M.K., Limje, Shivaji, Asati, B.S. and Verma, Annu (2013). Facilitating adoption of integrated pest management practices in rice in Rajnandgaon district of Chhattisgarh. *Internat. J. Plant Protec.*, **6**(2) : 316-319.