

ADOPTION OF PLANT PROTECTION MEASURES BY GROUNDNUT GROWERS

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Abstract: The study was conducted in 20 selected villages of four blocks of Raigarh district of Chhattisgarh with sample size of 160 respondents to assess the extent of adoption of plant protection measures in groundnut crop and farmers perception regarding yield losses due to various insect pests and diseases in groundnut crop. The finding revealed that majority of the groundnut growers fell under medium adoption category (59.37 %). In case of practice wise level of adoption none of the groundnut growers adopted the insect tolerant variety, whereas 63.12 per cent of the groundnut growers were partial adopted the 'use of insecticides', while 49.38 per cent growers were complete adopted the crop rotation for control of insect pests and diseases in the crop. The study indicated that among the selected independents variables, eight variables i.e. education, caste, land holding, annual income, source of information, knowledge about plant protection measures, attitude and scientific orientation were found significant and positively correlated with extent of adoption of plant protection measures and in multiple regression analysis only 4 variables i.e. land holding, annual income, knowledge and scientific orientation had significantly contributed in adoption of plant protection measures in groundnut crop.

Keyword: Adoption, Plant protection measures, Groundnut and Groundnut growers

REFERENCES

- Anonymous**, (2012). Agricultural statistics at a glance. Directorate of Economics & Statistics, Department of Agriculture & Cooperation, Ministry of Agriculture, GoI.
- Anonymous**, (2013-14). Directorate of land record Raipur, Chhattisgarh.
- Jondhale, S.G., Ingale, L.A. and Fatak, U.N.** (2000). Impact of krishi vigyan kendrs training on adoption of improved practices of summer groundnut. *Maharashtra J. of Ext. Edu.*, **19**: 109-111.
- Katyayan, A.** (2008). Fundamentals of agriculture. *Kushal publications and distributors Varanasi*, vol-2, pp 178.
- Pande, S., Rao, J.N., Upadhyaya and Lenne, J.M.** (2001). Farmers' participatory integrated management of foliar diseases of groundnut. *International J. of Pest Management*, **47**(2): 121-126.
- Ram, D., Pandey, D.K., Devi, U.S. and Chanu, T.M.** (2012). Adoption level of IPM practices in cabbage and cauliflower growers of Manipur. *Indian Res. J. Ext. Edu.*, **12**(2): 34-37.