TOXICITY SPECTRUM OF INSECTICIDES AGAINST INSECT PESTS OF RICE

Kamin Alexander, Tripti Tiwari, M.S. Mishra and V.M. Prasad

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ABSTRACT : Different insecticides viz. carbofuran, phorate, quinalphos, cartap, fipronil, monocrotophos, chloropyriphos, phosphamidon, triazophos, carbaryl, ethoferprox, imidacoloprid were used at the rate of g.a. i/ha against insect pest of rice .The insecticides both granules and spray formulations with selective as well as broad spectrum action against different pests. Among them fipronil and monocrotophos were highly effective to the pest of rice and reducing the damage and emergence of adult. Result regarding mortality percentage of insect pests indicated that fipronil (50 g.a.i/ha) and monocroptophos (400g.a.i/ha) provided best performance and spray formulation of insecticides fipronil (75 g. a.i/ha) and carbofuran (750 g.a. i/ha) provided their best performance as granular formulation of insecticides.

Key Words : Toxicity spectrum, insect pests, insecticides, rice.