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Bio-efficacy of insecticides against *Plutella xylostella* (L.) in cabbage (*Brassica oleracea* var. capitata)

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Efficacy of seven insecticides viz., emamectin benzoate 5 SG at 11 g a.i.ha⁻¹, emamectin benzoate 5 SG at 22 g a.i.ha⁻¹, profenophos 50 EC at 500 g a.i.ha⁻¹, profenophos 50 EC at 1000 g a.i.ha⁻¹, spinosad 45 SC at 100 g a.i.ha⁻¹, bifenthrin 10 EC at 100 g a.i.ha⁻¹ and *Bacillus thuringiensis* at 5 WP at 25 g a.i.ha⁻¹ was evaluated during Kharif, 2012 against *Plutella xylostella* on cabbage. Among all the insecticides, profenophos (1000 g a.i.ha⁻¹) was found to be the most effective one with a maximum reduction in *Plutella xylostella* population (70.20%), followed by bifenthrin 10 EC at 100 g a.i.ha⁻¹ (68.18%).

Biography

Shashi Vemuri has completed his Ph.D. at the age of 27 years from Andhra Pradesh Agricultural University specialising in Pesticide Residues and has 30 years of teaching, Research and Extension experience. He is the Principal Investigator of the Central Sector project "Monitoring of Pesticide Residues at National level" and heading the All India network project on Pesticide Residues, Hyderabad centre. He has published more than 65 papers in reputed journals and 32 papers in international conferences in many countries. He is serving as an editorial board member of reputed. He is a Member of International Sugarcane Technologists Association and received number of State and National awards for his contribution to Farming Society.

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