

Toxicity of some Pesticides to Two Important Parasitoids of Lepidopteran Tissue Borers

Suvadip Saha¹ and S. K. Mandal²

^{1,2}Department of Agricultural Entomology, Faculty of Agriculture,
Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, Pin-741252
E-mail: ¹suvadipsaha5@gmail.com, ²skmbckv@rediffmail.com

Abstract—Laboratory studies were undertaken to evaluate the toxicity of seven pesticides (insecticides and acaricides) on *Trichogramma chilonis* Ishii. (*Trachogrammatidae*, *Hymenoptera*) pupae and *Bracon brevicornis* Wesmael. (*Braconidae*; *Hymenoptera*) adults. Cypermethrin 25 EC (0.001% a.i.) was the most highly toxic to both the parasitoids. Wettable sulphur 80 WP (0.24% a.i.) was highly toxic to *Bracon brevicornis* Wesmael. adults but was moderately toxic to *Trichogramma chilonis* Ishii. pupae. Profenofos 50% EC (0.05% a.i.) showed moderate level of toxicity to both the parasitoids. Rynaxypyr 20% SC (0.006% a.i.), Spiromesifen 240SC (0.024% a.i.) and Imidacloprid 17.8% SL (0.005 % a.i.) show low level of toxicity whereas Neemazal 1% EC (0.002% a.i.) was the safest pesticides to both the species.