

2nd International Conference on Agricultural & Horticultural Sciences

Radisson Blu Plaza Hotel, Hyderabad, India February 03-05, 2014

Management of shoot borers in sugarcane through integrated approach

A. Padmasri, M. Sudha Rani and K. Kanaka Durga
Acharya N. G. Ranga Agricultural University, India

An experiment was conducted at Regional Sugarcane and Rice Research Station, Rudrur during 2008 and 2012 to study the effect of integrated approaches for the management of Early shoot borer (*Chilo infuscatellus*) and Internodal shoot borer (*Chilo sachariphagus indicus*). Incidence of Early shoot borer was significantly lowest (6.6 per cent) in integrated approach for management plot as compared with untreated control plot (14.50 per cent). Similarly lowest per cent of intensity (4.28 per cent) and incidence (7.71 per cent) was observed in integrated approach for management plot as compared with 6.87 per cent and 13.96 per cent in untreated control plot, respectively. Increased number of millable canes and cane yield (84.62 t/ha) was obtained in Integrated approach for management plots over the untreated control (78.06 t/ha). Integrated approach, when combined into a unified manner is useful for the management of shoot borer.

Biography

A. Padmasri is presently working as Scientist (Seed Entomology), Seed Research and Technology Center, ANGR Agricultural University, Hyderabad. She joined as Scientist (Entomology) at RS &RRS, Rudrur during 2006 and involved in testing the efficacy of newer insecticides against early shoot borer in sugarcane and rice stem borer and gall midge. Presently her work is involved in evaluating the novel insecticides and packing materials against stored grain pests in different crops and suitability of the same against the storability of the seed. She was awarded with Junior Research Fellowship by the Indian Council of Agricultural Research during 1997. She was awarded with Hexamer Foundation medal for securing highest OGPA during post graduation in 1999. She was involved in releasing a book on Integrated Pest Management in various crops.

padmasri_1972@rediffmail.com