

# **Efficacy of Certain Newer Insecticides against *Tribolium castaneum* by following Jute Cloth Disc Impregnation Method**

**Ch Naga Satyasri, T Madhumathi, D V Sairam Kumar, V Prasanna Kumari, V Srinivasa Rao and P V Krishnayya**

Department of Entomology, Agricultural College, Bapatla 522 101, Andhra Pradesh

## **ABSTRACT**

A laboratory experiment was carried out in the Department of Entomology to know the toxic effect of newer insecticides on *Tribolium castaneum*. Among the newer insecticides tested for the management of insecticide resistant Bapatla strain of *T. castaneum*, chlorantraniliprole was found to be the best at LC<sub>99</sub> level for complete incapacitation of *T. castaneum* with the highest relative toxicity (25.59, 6.30 and 18.80 times) than malathion, dichlorvos and deltamethrin respectively followed by emamecton benzoate (14.52, 3.58 and 10.67 times). Lufenuron, spinosad and chlorfenapyr found effective at LC<sub>50</sub> level (7.19, 3.07 and 13.35 times) compared to malathion.

Key words: *Bapatla strain, Newer insecticides, Tribolium castaneum.*