

SEAG-Symposium, 27.-31.8.2001, Los Baños, The Philippines

**“Resource Management:
Private-Public Partnership and Knowledge Sharing”**

USE OF PLANT EXTRACTS AS AN ENVIRONMENTALLY FRIENDLY INSECT PEST MANAGEMENT METHOD

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Abstract

The use of natural insecticides from plant extracts, as safe insecticides are well known since ancient and has enormous intuitive appeal. The unique properties of the toxic principles from the plants with pest-control properties are as repellents, antifeedants, oviposition deterrents, and insect growth regulators. Otherwise, natural insecticides are low cost, local availability, safe to the environment and non target organisms and compatible with the agroecosystem. Use of synthetic insecticides can cause the development of insect resistance, resurgence, secondary pests and environmental contamination. Also, use of plant extracts as natural insecticides emphasizes their great potential value in crop pest management.

Keywords: plant extracts, integrated pest management, preservation of biodiversity