

Control Effect of *Mallada basalis* on Insect Pests of Nethouse Sweet Peppers¹

Chiu-Tung Lu^{2,3} and Chin-Ling Wang²

Abstract

Lu, C. T. and C. L. Wang. 2006. Control effect of *Mallada basalis* on insect pests of nethouse sweet peppers. J. Taiwan Agric. Res. 55:111-120.

This paper reports the releasing of green lacewing (*Mallada basalis* (Walker)) as a biological control agent for insect pests of sweet peppers in net houses. Surveys of insects on sweet peppers were undertaken as references for the control. The mealy bug, *Phenacoccus* sp. was found for the first time on sweet peppers. Three lacewing larvae were released on each plant in a seven days interval throughout the growing period. Results showed that populations of *A. gossypii*, *B. argentifolii* and *Phenacoccus* sp. were depressed effectively. Fruits harvested from lacewing-released plants were heavier, larger and having a better shape than CK.

Key words: *Mallada basalis*, Sweet pepper, Biological control.

1. Contribution No.2257 from Agricultural Research Institute, Council of Agriculture. Accepted: May 21, 2006.
2. Assistant Entomologist and Head and Senior Entomologist, Applied Zoology Division, ARI, Wufeng, Taichung, Taiwan, ROC.
3. Corresponding author, e-mail: ctlu@wufeng.tari.gov.tw ; Fax: (04) 23302804.