

SCREENING SOME SELECTED INSECTICIDES  
AND GARDENIA BUD AGAINST WHITEFLIES ON  
BRINJAL

(*SOLANUM MELONGENA*. L)

BY  
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## ABSTRACT

The effectiveness of four synthetic insecticides Dimethaote , Applaud , Decis , and Admire SL200 and a Gardenia bud solution (Lakada) were evaluated against as the mortality of brinjal whitefly *Bemisia tabaci*. in the Agriculture biology laboratory of Eastern university.

This experiment was conducted in a complete randomized designs (C.R.D) . It was found that this study showed that all the insecticides significantly increased ( $P < 0.05$ ) the mortality of brinjal whitefly *Bemisia tabaci* over control.

The insecticide Admire SL200 has highly significantly increase the cumulative mortality, of this insect compared to other respective individual insecticides . Moreover Admire SL200 was the best among the tested in this study and 82.58% mortality rate were observed.

It was also found that the recommended insecticides such as Dimethoate, Decis, and Applaud failed to increase the mortality of brinjal whitefly *Bemisia tabaci*.

Gardenia bud (Lakada) was very effective against brinjal whitefly compared to Dimethoate, Decis, and Applaud, therefore could be recommended as a suitable botanical insecticide to control *Bemisia tabaci*.

ABSTRACT  
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