

# CHEMICAL CONTROL OF JASSID ON LADY'S FINGER

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## ABSTRACT

The experiment on the control of jassid in lady's finger was conducted at the farm of Agricultural Faculty, Gomal University, D.I. Khan. Three insecticides viz. Cypermethrin, Sevin and Malathion were tested to control jassid on okra. After spray observations were recorded at 24, 48 and 72 hours. The results showed that Sevin and Malathion were very effective in the control of the test insect.

## INTRODUCTION

Vegetables occupy a very important place in the daily food of mankind as they supplement vitamins and minerals requirements of human body. Okra (*Hibiscus esculentus* L.) is attacked by as many as 72 insect pests (Ewete, 1983), of them jassid, (*Amrasca devastans* (Dist)) is an important one. This insect sucks cell-sap and reduce the vigor of the crop and hence affect crop yield to a great extent.

Srinivasan *et al.*, (1973) found in a field test in Tamil Nadu, India that three spray applications of 0.07% Endosulfan or 0.1% Carbaryl (Sevimol) at 15 days intervals from the 21st day after sowing gave effective control of *Aphis gossypii* Glov., *Amrasca devastans* (Dist.) *Earias vittela* (F) and *E. insulana* (Boised) on bhindi (*Hibiscus esculentus*) and increased the yield by 87.4 and 109.4% respectively.

Sangupta *et al.*, (1978) found that out of several insecticides compared against *Aphis gossypii* Glov., *Empoasca (Amrasca) devastans* (Dist.) *Earias* spp., on okra in Pusa Savani, Chlordime form at the ratio of 0.075% and Carbaryl at 0.1% each applied 4 times at 15-days interval, were the most effective and yield was markedly enhanced.

Gupta and Dhari (1980) reported that Monocrotophos, Carbaryl and Malathion were found very effective in the control of *A. devastans* on okra in Khanpur, Utter Pradesh, India.

Singh *et al.*, (1982) stated that only 3 sprays of Endosulfan at 310 g a.i./hac were required to control *A. devastans* (Dist) on okra when mean population was 5 nymphs per leaf whereas 5 sprays of Malathion at 700 g a.i./hac and 4-5 sprays with Carbaryl at 625 g a.i./hac were required for complete control and best yield.