

7/86 to 6(88) A ✓ 1988/CS31L

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COTTON RESEARCH COUNCIL

PROJECT TITLE: Comparison Of Field With Laboratory Resistance Of *Heliothis Armigera* To Insecticides.

PROJECT CODE: CS31L

SUPERVISOR: A.G.L.WILSON

FINAL REPORT: Three methods of determining levels of resistance in *H. armigera* were evaluated. These included:

- (i) a standard glass vial test
- (ii) a tropical application
- (iii) a leaf disc test

In the first year some progress was made with each assay using a susceptible and moderately resistant colony, though there was major variation between assays at some times.

In the second year, difficulties in obtaining stably resistant insect hampered the experiments. Overall the results were inconclusive.