

Progress Report

(May 1, 1987 - Oct. 30, 1987)

Project No.: J5-028

Project Title: Optimization of foliar-applied formulation for the control of tobacco whitefly (Bemisia tabaci) under field conditions.

Work undertaken in Israel: micro-application experiments.

- (1) A comparison of the foliar behavior of commercial formulations applied as "runoff" and ULV sprays to cotton and tomato foliage was initiated under field conditions.
- (2) The study of the behavior of three different active ingredients namely chlorpyrifos, tenproprathrin and endosulfan has been started.
- (3) An analytic method for the determination of surface and interior residues of tenproprathrin has been developed.
- (4) A study of the influence of spray parameters namely drop-size, drop-density and concentration on the foliar behavior has been initiated under semi-controlled condition in laboratory.

Work undertaken in Thailand: to be described in the next Progress Report.

COOPERATION: Israeli co-ordinator Mr. Yoram Melamed met with the Thai counterparts of the project (16-20 November 1987)

The Thai investigators were briefed on conducting the population study and were practised in setting up sticky traps. The population study for the first year was scheduled. Methods for natural enemies screening were discussed; in case of identification problems, specimens will be sent to Israel