OF THE MEDITERRANEAN FRUIT-FLY CERATITIS CAPITATA (WIED.) AND THE FACTORS LIMITING INFECTION (DIPTERA: TEPHRITIDAE)

THESIS

Submitted in Partial Fulfilment of the Requirements

for the Award of the Degree of

MASTER OF SCIENCE

Ву

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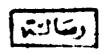
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ACKNOWLEDGEMENTS

This work has been carried out under the joint supervision of Professor Dr. A. H. Kaschef, Professor of Entomology and Vice-Dean of the Faculty of Science, Ain-Shams University, Professor Dr. Z. M. F. Rostom, Professor of Entomology, Faculty of Science, Ain-Shams University and Professor Dr. A. M. Awadallah, Head of Fruit-flies Research Section, Plant Protection Research Institute, Hinistry of Agriculture, Cairo.

The author wishes to express her deepest appreciation to Professor Dr. A. H. Kaschef for his fatherly carness and continuous encouragement.

Sincerest gratitude is also due to my teacher Professor Dr. Z. M. F. Rostom, for direct and serious supervision of this work, criticism, reading the manuscript and useful advice that made this study possible.

I wish to acknowledge my delt to my teacher Professor Dr. A. H. Awadallah, who had offered extremely useful advice for this work, supervised with great enthusianm the work undertaken, and without his facilities nothing could have been done.

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INTRODUCTION

i. INTRODUCTION

Havel and balady oranges (Citrus aurantum), mandarine (Citrus nobilis), peach (Prunus persica), apricot (Prunus armeniaca), guava (Psidium juava), mango (Mangifera indica) and pear (Pyrus communis) are amongest the most common fruit crops in A.R.E.

pests. The Mediterranean fruit fly, Ceratitis capitata (Wied.) is one of the most notorious pests which attack both citrus and stone fruits, causing serious damages to them. The ravages of this fly are steadily increasing in recent years. The annual losses inflected upon fruit crops include the quality and quantity of fruit production. These losses start when the adult females insert their eggs beneath the rind of the fruit. The hatching larvae complete their life cycle in the fruit pulps. Fruits attacked are rendered useless for consumption. In severe attacks the whole fruit may be ruined by the larvae. Finally this might lead to fruit dropping.

It is well known that liability to infestation by the Mediterranean fruit-fly varies for different host