



**STUDIES ON SOME PESTS AND THEIR  
NATURAL ENEMIES ASSOCIATED WITH  
CERTAIN FRUIT TREES IN EGYPT**

**By**

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## ABSTRACT

Egypt is the largest producer of citrus crops and also, considered the largest exporter of orange in the world. The phytophagous mites and scale insects are the most important obstacles serious to citrus. The presented work aimed to study the survey, incidence and population dynamics of mite and insect species associated with leaves and fruits of two citrus varieties at Tukh and Qalub district during two successive years. The obtained results indicated that, Twelve insect pest species from eight families were recorded on two citrus varieties. In addition, the survey studies recorded 29 species of mites were divided according to their feeding behavior into three groups, Phytophagous mites, Predacious insects & mites Miscellaneous mites. The population density of predacious mites was correlated positively with the population density of *Panonychus citri* (McGregor); and *Chrysomphalus aonidum* (L.); at Tukh and Qalub districts during two successive years on navel and balady orange. The population dynamics of adult females of purple scale insect, *Lepidosaphes beckii* (Newman); on leaves of two citrus varieties, navel and balady orange at Tukh districts during two successive years. The predatory mite, *Neoseiulus californicus* (McGregor); was active for controlling the citrus red mite, *Panonychus citri* (McGregor); on seedlings of navel orange in open field was still active on *P. citri* until three months from the second release and giving a good result, so it can be successfully use as bio-control agent in controlling *P. citri* on citrus trees.

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