

Ent. Phyt. Appliq.

Vol. 51, No. 1 & 2 1983

**BIOLOGY OF *Sphaerolecanium prunastri* BOYER de FONSCOLOMBE IN
IRAN¹**

A. REZWANI & GH. RADJABI²

SUMMARY

According to our investigations during 1980, 1981 and 1982, *Sph. prunastri* is one of the most important scale insects on plum trees and with a less importance on peach trees in some fruit growing regions in Iran.

The winter is passed in the second larval instar. The female is ovoviviparous, the first instar larvae settle directly on the twigs, showing a preference for the underside of them. Some crawler settlement was observed underside the leaves.

This scale insect produces only one generation per year in the Central Province.

REFERENCES

- ANONYMOUS, 1973. Third list of scale insects of Iran. Bull. Plant Prot. Organ. Iran., No. 21 [in Farsi].
- AVIDOV, Z. & Harpaz, I. 1969. Plant pests of Israel, pp. 174 - 176.
- BEN-DOV, Y., 1969. Occurrence of *Sphaerolecanium prunastri* (FONSCOLOMBE) in Israel and description of its hitherto unknown third larval instar. Annls. Epiphyt., 19 No. 4, pp. 615 - 621.

(1) - Received for publication, March 16, 1983.

(2) - Dr. Ali Rezwani and Dr. Gholamreza Radjabi, Plant pests and Diseases Research Institute, P. O. Box 3178, Tehran, Iran.

- BORKHSENIUS, N. S. 1957. The Fauna of U. S. S. R., Vol. IX (Coccoidea), pp. 322 - 330 (in Russian).
- FARAHBAKHS, GH., 1961. Checklist of economically important insects and other enemies of plants and agricultural products in Iran. Dept. Pl. protec. Min. Agric. Tehran.
- GOANTSA, I. K., 1966. Parasites of plum scale (*Sphaerolecanium prunasti* FONSC.) in Moldavia (In Russian).
- KAUSSARI, M., 1946. Contribution à l'étude des Coccidae de l'Iran. Public. Dept. Gen. Protec. Plantes (in Farsi with summary in French).
- KAUSSARI, M., 1957. La deuxième liste de cochenilles de l'Iran. Entom. Phyt. Appl. No 16 & 17 (in Farsi with summary in French).
- REICHART, G. & Bodor, J., 1966. The main pests of peach and their control, pp. 171 - 175.
- SORAUER, P., 1957. Handbuch der pflanzenkrankheiten, 2. Teil.

REFERENCES

- ANONYMOUS, 1973. Third list of scale insects of Iran. Bull. Plant Protec. Organ. Iran, No. 21 (in Farsi).
- AVIDOV, Z. & HESPER, I. 1968. Plant pests of Israel, pp. 174 - 175.
- BEN-DOV, Y. 1968. Occurrence of *Sphaerolecanium prunasti* (FONSC.) in Israel and description of its biological enemies. Israel J. Zool., 15: 615 - 621.

(1) - Received for publication March 16, 1983.

(2) - Dr. Ali Rezaei and Dr. Gholamreza Karajeh, Plant Protection

Research Institute, P. O. Box 3173, Tehran, Iran.