


Ent. Phyt. Appliq.

Vol. 54, No. 1 & 2 1987

PEAR SAWFLY¹ IN IRAN²

Z. DAVOUDI³

SUMMARY

Pear sawfly is a widely distributed insect in pear growing regions in Iran. The rate of injury, being dependent on the density of its population, reaches up to 70% in Tehran vicinity. 

This insect overwinters as full - grown larvae in cocoons in the soil. The adults emerge when the flowers are not yet blossomed.

The eggs are deposited in calix. Hatching takes place in about one week and the larvae complete their growth in about three weeks. It has one generation a year.

There have been no males among the whole collected adults.

The chemical control measures to be used depend on the density of the pest.

The best time for spraying, according to our trials, is when 50% of the flower petals are fallen, killing the newly hatched larvae.

1 - *Hoplocampa brevis* Klug. (Hym. Tenthredinidae)

2 - Received for publication, September 30, 1985.

3 - Eng. Zahra Davoudi, P. O. Box 19395 - 1454, Plant Pests and Diseases Research Institute, Tehran, Iarn.

REFERENCES

- ARIAS GIRALDA, A. and NIETO CALDERON, J., 1972 & 1973. The oviposition and hatching of the pear sawfly (in Rev. Apl. Ent. 1975. A. Vol. 63, No. 4 p. 351).
- BALACHOWSKY, A. et MESNIL, L., 1935. Les insectes nuisibles aux plantes cultivées, pp. 220 - 21. Paris.
- BERLAND, 1947. Faune de France, Hymenoptères Tenthredinids. pp. 281 - 2, Paris.
- BOHM, H., 1952. Beitrag fur Biologie und Be Kämpfung der Apfel und Birnen sawespe (in R. A. Ent. 1953. Vol. 41. p. 44).
- GEOFFRION, R., 1966. Un destructeur de Jeune Fruits : l' hoplocampe du poirier, Phytoma, N. 174 pp. 39 - 41.
- GONTARENKO, M. A., 1967. The basis for the timing of control against the pear sawfly during the flight period of the adult females. (in Rev. Apl. Ent. 1970. Vol. 58, p. 570).
- HABIBI, J., 1969. *Hoplocampa brevis* (dissertation 11 - 95). Tehran.
- KOTLYAR, L. M., 1940. *Hoplocampa brevis* in the Crimea and how to control it. (in Rev. Apl. Ent. 1947. Vol. 35, p. 197).
- SKIBA, N. S., 1967. The pear sawfly and measures for its control. (in Rev. Apl. Ent. 1970. Vol. 58, p. 47).
- TALHOUK, A. M. 1969. Insects and Mites Injurious to Crops in Middle Eastern Countries, pp. 204.