

Entomol. et Phyt. Appliq. Vol. 54, No. 1 & 2, 1987

Vol. 54, No. 1 & 2, 1987

APHIDS ON GRASSES IN IRAN¹

S. H. HODJAT²

P. AZMAYESHFARD³

SUMMARY

A list of 37 species of aphids collected on Graminae in Iran is given. The key to the world wheat aphids by Blackman and Eastop distinguishes 32 species of which 14 species in Iran are collected on other grasses. In translation of this key 8 species not yet recorded in Iran are without sign, 10 species on wheat and those on other gramineae are distinguished by + and (*) sign respectively.

The biology, host plants and distribution of wheat aphids, 10 species on leaves and 15 on roots, are described. It includes a list of other Graminae aphids, other than those distinguished as wheat aphids in the key.

REFERENCES

- AVIDOV, Z. & HARPAZ, I., 1969. Plant pests of Israel. Israel Univ. Press . pp. 130 - 135.
- BALACHOWSKY, A. & MESNIL, L., 1936. Les insectes nuisibles aux plantes cultivées, Tom. II. pp; 1105 - 1108. Paris.

1 - Received for publication, September 28, 1985 .

2 - Dr. S. Hossein Hodjat, University of Shahid Chamran, Ahwaz, Iran.

3 - Dr. Parvaneh Azmayeshfard, College of Agric., Univ. Tehran. Iran.

- BELLI, G., CORBETTE, G. & OSTLER, R., 1975. Richerche e osservazione sull' epidemiologia e sulle posseverata di prevenzione del giallume, del riso. Riso 24
- BLACKMAN, R. L. & EASTOP, V. F., 1984. Aphids on the world's crop, identification guide. John Wiley and Sons. 466 pp.
- BODE, O., 1980. Untersuchungen zum Auftreten der Haferblattlaus *Rhopalosiphum padi* (L.) an ihren Winterwirt *Prunus padus* L. Biologie Z. angew Ent. 89 ; pp 363 - 377.
- ÇANAKÇIOĞLU, H., 1975. The Aphidoidea of Turkey. Istanbul Univ. Public. No. 189.
- DAVATCHI, A., 1954. Insect pests of cereals in Iran. Univ. Tehran Public. No. 211.
- DAVATCHI, A., 1958. Etude Biologique de la faune entomologique. de pistacia sauvages et cultivées. Rev. path. Veg. Ag. Fr. 37: pp: 86 - 146.
- EASTOP, V. F., 1971. Keys for the identification of *Acyrtosiphon* (Hem ; Aphididae). Bull. No. 26. British Museum. London.
- EASTOP, V. F. & HODJAT, S. H., 1981. Key to the genera of common aphids in Iran. Ent. Phyt. appl.: 49; pp : 45 - 65.
- EASTOP, V. F. & HODJAT, S. H., 1980. Key to the genera of aphids in Khuzistan. J. Sc. Agr. Univ. Pub. Ahwaz - Iran, pp: 53 - 72.
- FARAHBAKHSH, G., 1961. A checklist of economically important insects and other enemies of plants and agricultural products. Iran, Min. Ag. Public. No. 153.
- HODJAT, S. H., 1984. Key to the species of *Rhopalosiphum* Koch. in Iran. J. Ent. Soc. Iran. 7; pp: 57 - 67.
- HODJAT, S. H. & MOSSADEGH, M. S., 1979. First report of two aphids in Iran. Ent. Phyt. appl. 47; pp: 45 - 53.
- IZADPANAH, K., 1983. An annotated list of virus - like diseases of plants in Fars. Shiraz Univ. Public. of Plant Protection Dept.
- LOWE, H. J. B., 1981. Resistance and susceptibility to colour forms of the aphids. *Sitobion avenae* in spring and winter wheats (*Triticum aestivum*)

- Ann. appl. Biol.* 99; pp: 87 - 98.
- PINTER, R. H. & PATHAK, M. D., 1962. The distinguishing features and significance of the four biotypes of the corn leaf aphid, *Rhopalosiphum maidis* (Fitch.) . *Int. Cong. Ent. Vienna*; 11(2); pp: 110 - 115.
- TANAKA, T., 1961. The rice root aphids, their ecology and control. *Spec. But.. Coll. Ag. Utsunomy*; 10 - 30 pp.
- TUATAY, N. & REMAUDIER, G., 1964. Première contribution au catalogue des Aphididae (Hom.) de la Turquie. *Rev. Path. Veg. Ent. Ag. Fr.* 43 (4) pp: 243 - 278.
- WERTHEIM, G., 1954. Studies on the biology and ecology of the gall - producing aphids of the tribe Fordini in Israel. *Trans. R. Ent. Soc. Lond.* 105; pp: 79 - 96.
- ZWOLFER, H., 1958. Zur systematik, Biologie und Okologie unterirdisch lebender Aphiden, I - IV. *Z. angew Ent.* 43; pp: 1 - 52.