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APHIS CITRICOLA VAN DER GOOT. A NEW APHID

PEST OF CITRUS IN IRAN (1)

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SUMMARY

Aphis citricola van der Goot, an important pest of Citrus and other fruit trees and vector of the Citrus disease Tristeza, is recorded from northern Iran for the first time. Other aphids collected from Citrus in Iran are: A. craccivora Koch, A. gossypii Glover, Myzus (Nectarosiphon) persica (Sulzer) and Toxoptera aurantii (Boyer de Fonsc.). The morphology of the fundatrix, apterae and alatae viviparae, and oviparous forms of A. citricola are described. In the Caspian Sea region this aphid lives parthenogenetically throughout the year. However, collection of a fundatrix on Photonia serrulata suggests that it also overwinters as sexually produced eggs in this region. Sexuales occur on apple and quince in October and November around Tehran. The host plants of A. citricola in Iran, and its distribution in various parts of the world are summarised, together with references to its biology.

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REFERENCES

- AVIDOV, Z. and Harpaz, I, 1969. Plant pests of Israel.
Israel Univ. Press. 549 p.
- CARTHER, W. 1960. Ecological aspects of plant virus transmissions. Ann. Rev. Ent. 6: 347-370.
- CARTHER, W. 1973. Insects in relation to plant diseases.
John Wiley and Sons Inc. 759 P.
- CHAPOT & Deluchi, B.L. 1964. Maladies troubles et ravageurs des argumes au Maroc. Inst. Nat. Res. Agron.
Rabat 339p.
- DIXON, R.C. Johnson, M.M., Flock, R.A. and Laird, E.F. 1956.
in J. Phytopathology 46(4): 204-210.
- EASTOP, V.F. and Lambers H.R. 1976. Survey of the world aphids. Dr. W. Junke by Publishers. The Hague 573 p.
- HABASHI, M. 1978. Citrus diseases. Plant Prot. Bull. Min. Ag. Iran. 8-40.
- PORATH, A. Amitai, S. & Swirski, E. 1974. The spirea aphid, *Aphis spiraeicola* Patch. A new aphid on citrus in Israel. Alon Ha Norea, 7: 358-362.
- TUATAY, N & Remaudiere, G. 1964. Premier contribution au catalogue des Aphididae (Hom.) de la Turquie.
Revue Path. Veg. Ent. Agric. Fr. 43: 243-278.