First Records of the Bayberry Whitefly, *Parabemisia myricae* (Kuwana) in Greece

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Citrus groves of Corfu had been attacked during the last decade by citrus whitefly *Dialeurodes citri* (Ashmead) (Pappas 1981). It presumably expanded later, and it was found to cause a serious infestation on lemon trees of Achaia region during summer of 1986, while it disappeared later existing today only in very small pockets on ornamental citrus species in Attica area.

Late in August 1988, the leaves of citrus trees, and to a lesser extent of grapevines, in the region of Corinthia, NE Peloponnesos, in South Greece were covered by larvae, pupae and adults of a whitefly that was different from *D. citri*. In autumn of the same year, it was noticed that the infestation of this new whitefly had expanded to other parts of Peloponnese such as Argos, Patras and Iliia region.

Samples of citrus and grapevine leaves with nymphs of the insect were sent for identification to British Museum of Natural History. Dr. J. H. Martin identified the species as *Parabemisia myricae* (Kuwana) (Homoptera: Aleyrodidae), making the first record of the species in Greece. The species is a native of Japan and possibly of other eastern Asian countries such as Taiwan and West Malaysia (Rose et al. 1981). Today, the insect has been recorded in USA (California), Cyprus, Israel and Turkey (Martin 1987), Egypt (Martin personal communication) and it is a pest of woody plants, especially citrus trees and grapevines.

The damage caused to the plants by this insect, as a feeder, can be serious in cases of large populations accompanied with problems associated with the development of sooty mould on the excreted honeydew, as shown in

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1 Received for publication May 18, 1989.
First flights of adults were noticed in this area in late February of 1989. By end of March early April the emergence of adults of the first 1989 generation had been completed.

It seems that it produces a quite large number of generations during the year, as it requires only 21 days at temperatures fluctuating between 21.0°C and 17.3°C and 65-100 percent relative humidity, to complete its cycle in glasshouse (Rose et al. 1981). Being a pest of Citrus and grapevines (Vitis vinifera) it has also been found on hosts like Ficus, Persea, Prunus, Psidium and Thea (Martin 1987). As a matter of fact it has also been found in small colonies on Prunus cerasi in Northern Peloponnese in autumn 1988. Work on the control of Parabemisia myricae with the insect growth regulator P-prollen has started in Greece in 1988 and is expected to be concluded in 1990.

**Acknowledgment**

I would like to express my thanks to Dr. Martin of British Museum (Natl. History) for the identification of the species on the samples from Greece. I am also grateful to Dr. L. C. Argyriou for her invaluable help in the preparation of the manuscript.

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KEY WORDS: Aleurodidae, Parabemisia myricae, Bayberry whitefly, Citrus, Vines

ΠΡΩΤΗ ΑΝΑΦΟΡΑ ΣΤΗΝ ΕΛΛΑΔΑ ΤΟΥ ΑΛΕΥΡΩΔΗ ΤΩΝ ΕΣΠΕΡΙΔΟΕΙΔΩΝ Parabemisia myricae (Kuwana)

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ΠΕΡΙΛΗΨΗ
Το καλοκαίρι του 1988 παρατηρήθηκε έξαρση της προσβολής των εσπεριδοειδών, και της συμπληρώσης σε μικρότερο βαθμό, από αλευρώδη. Η κύρια εντοπιστική στην βορειοδυτική Πελοπόννησο. Στα δείγματα που λήφθηκαν από τις περιοχές Ξυλοκάστρου και Πύργου, διαπιστώθηκε η παρουσία του είδους Parabemisia myricae (Kuwana), για πρώτη φορά στην Ευρωπαϊκή χώρα. Ο αλευρώδης αυτός που ενδιαμένει σε γειτονικές χώρες της Βόρειας Αφρικής και της Μέσης Ανατολής προσβάλλει ξυλόδεντρα φυτά προκαλώντας κυρίως έμμεσες ζημιές από τις οποίες η σημαντικότερη είναι η ποιοτική υποβάθμιση των καρπών από την ανάπτυξη μυκητίων πάνω στα εκκρεμάτα του.

Η βιολογία του έχει μελετηθεί σχετικά λίγο. Είναι γνωστό ότι τα ηλικία γεννούν αποκλειστικά σε πολύ τροφερή βλάστηση. Βρέθηκε ότι η γρήγορη φύση μάνας των φύλλων προκαλεί θνησιμότητα των ατελών μορφών. Αναφέρεται ότι ο βιολογικός του κύκλος στη διάρκεια του καλοκαιριού διαρκεί περί τις τρεις εβδομάδες.