

***Eotetranychus uncatatus* Garman, a pest of apple new to the Netherlands (Acari: Tetranychidae)**

by

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ABSTRACT. — *Eotetranychus uncatatus* Garman was collected on apple, in Amsterdam in October 1978. This species, which is a pest of apple and stone fruits in the United States, is reported from the Netherlands and Western Europe for the first time.

For several years *Eotetranychus uncatatus* Garman has been known only from the United States: in Massachusetts and Connecticut this species causes injuries to apple and stone fruits, as well as in Utah and Southern California; potential hosts are also birch, hornbeam and linden (Pritchard & Baker, 1955; Jeppson a.o., 1975).

The distribution area of this pest is in fact larger than was thought, as it was identified on white birch in northern Kazakhstan (Wainstein, 1960), on *Juglans ailanthifolia* Carr. in Japan (Ehara, 1970), more recently on apple and plum in Poland (Skorupska, 1976 a, b) and on medicinal plants in India (Lal & Mukharji, 1977). In the Netherlands we collected it on apples in the experimental orchard of the University of Amsterdam, on 10 October 1978.

E. uncatatus is morphologically close to *Eotetranychus carpini* (Oudemans): the shape of the male aedeagus, the leg chaetotaxy and the striae of the female genital area (*willamettei* type) are similar. The peritremes are however strongly hooked distally in *E. uncatatus*, whereas they are straight and ended in a simple bulb in *E. carpini*.

The females of *E. uncatatus* are pale yellow to greenish yellow with black spots on each side of the hysterosoma. This spider mite feeds on the undersurface of leaves and spins plentiful webbing. Fertilized females overwinter in clusters under patches of loose bark or in crevices of the trunk of infested trees.

Damaged leaves show light stippled patches and the foliage may have a dusty or lead-coloured appearance. Injuries, early in the growing season, sometimes cause the leaves to "cup" or to "crinkle".

The chromosome number of this species was studied from the Amsterdam strain: $2n = 6$ (Bolland, Gutierrez & Helle, 1981).

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BRADLEY, J. D., W. G. TREMEWAN & ARTHUR SMITH, 1979. BRITISH TORTRICOID MOTHS, TORTRICIDAE: OLETHREUTINAE. With colour illustrations by Brian Hargreaves, pp. I-VIII + 1-136, text figures 1-54, black and white plates 1-21, colour plates 22-43. ISBN 0-903874-06-7. The Ray Society, London (publication No. 153). Price £ 40.—.

In continuation of my brief review in this journal, vol. 34, p. 47, 1974, of the first part of the above work, the appearance of the second and final part may now be announced. This beautifully executed and bound volume in most respects is similar to the first, so that the reader may be referred for technical details to that review. The second part contains a survey of the extensive second subfamily Olethreutinae of the Tortricidae of the British Isles. Again Mr. Smith's artful pencil drawings illustrate aspects of the injury to host plants, so useful for recognising the species in the field; furthermore 500 adult insects are depicted upon the colour plates, representing species, subspecies and chief colour varieties of the 225 British Olethreutinae, known at present. As it is not possible to identify every species without consulting the genital characters, text figures of these characters in difficult cases are presented; otherwise there are references sub every species to the popular work of Pierce and Metcalfe on the genitalia of this family.

An introduction is followed by a list of species of economic importance, with host plants and notes on biology; a systematic and synonymic list of all species, in the same way as in the first part.

The colour plates are tending to be a trifle too brownish, but the wing markings show the finest details. A beautiful book, completing the entire work. — A. Diakonoff.

MIDDLEKAUF, W. W. & R. S. LANE, 1980. ADULT AND IMMATURE TABANIDAE (DIPTERA) OF CALIFORNIA. — *Bulletin of the California Insect Survey* 22: 1-99; 133 figs., 40 maps. index. University of California Press, Berkeley. ISBN 0-520-09604-5. Prijs (gebrokeerd) \$ 10.50.

Dazen mogen zich verheugen in een ruime — ook nogal verklaarbare — belangstelling. Blijkens deze publicatie zijn in Californië niet minder dan 73 soorten en 7 ondersoorten van deze toch niet zo omvangrijke familie aangetroffen. De bijdrage is een tamelijk traditioneel overzicht: tabellen tot genera en soorten, synonymie, beschrijving, vrij veel figuren, discussie, biologische gegevens voorzover beschikbaar, verspreidingskaartjes binnen de staat California (de verspreiding daarbuiten wordt wel kort beschreven). Bijzonder is eigenlijk vooral dat er nogal wat aandacht wordt geschonken aan de larven en poppen (er is voor beide stadia een tabel tot de bekende genera), al worden larvale kenmerken niet gebruikt om de systematiek te herzien — dat is duidelijk niet de bedoeling van deze samenvattende, als zodanig alleszins nuttige, publicatie. — W. N. Ellis.

PRIJSVERLAGINGEN

Een herziening van het huurcontract van het copieerapparaat stelt het bestuur in de gelegenheid de prijs van fotocopiëren met ingang van 1 april jl. aanzienlijk te verlagen. Zelf gemaakte copieën kosten (inclusief BTW) 10 cent, copieën die door de bibliotheek in opdracht worden vervaardigd 20 cent.

De Proceedings van het 4th international Symposium "Insects and Host Plants", dat in 1978 verscheen als deel 23 (4) van *Entomologia Experimentalis et Applicata*, is nu sterk in prijs verlaagd. De nieuwe prijs bedraagt (voor leden zowel als niet-leden) f 30,—.