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Scale insects (Homoptera: Coccoidea) from import interception in France (1997-2001)

A list is given of the species of Coccoidea which have been intercepted on plants imported in France during the period 1997-2001, with data on host plants on which the insects were intercepted, country of origin and year of interception. Two notable species are pointed up, *Aulacaspis yasumatsui* Takagi and *Pseudococcus jackbeardsleyi* Gimpel & Miller.

During phytosanitary controls many species of insects are intercepted among which Coccoidea. Through this set of interceptions certain species succeed in their introduction on the French territory. It was the case for *Deltoococcus euphorbiae* (Ezzat & McConnell), *Coccus pseudomagnolarum* (Kuwana), *Protopulvinaria pyriformis* (Cockerell), *Chrysomphalus aonidum* (Linnaeus) or *Dysmicoccus multivorus* (Kiritschenko) for most recent ones (Martinez & Malusa, 1999). Since 1997, the Laboratoire National de la Protection des Végétaux, Unité d'entomologie ensures the determination of Coccoidea intercepted in monitoring stations of the French territory. During the four last years species belonging to 27 different genus were intercepted and 26 species were identified (table I). Only one species present on the quarantine list of the European Union was intercepted, it is *Parasaissetia nigra* (Nietner). On the 26 identified species, 3 ones constitute the third of the analysis: *Aonidiella aurantii* (Maskell), *Planococcus citri* (Risso) and *Maconellicoccus hirsutus* (Green).

Two species are notable in the set of interceptions. The first is a Diaspididae, *Aulacaspis yasumatsui* Takagi intercepted on cycads coming from Vietnam. This species was recently introduced in Florida where it causes significant damage on the cycads (Howard & al, 1999). The second is a Pseudococcidae, *Pseudococcus jackbeardsleyi* Gimpel & Miller, intercepted on *Gardenia* spp. coming from Ivory Coast. It is one of the first descriptions of this species in Africa.

Identifications were carried out from the following works: Balachowsky (1948, 1950, 1951, 1954), Ben-Dov (1993, 1994), De Lotto (1964), Cox (1989), Gimpel and Miller (1996), Kozár (1998), Kosztarab (1996), Williams and Watson (1988a, 1988b, 1990) Williams and Granara de Willink (1992).

Key words: *Aulacaspis yasumatsui*, phytosanitary controls, *Pseudococcus jackbeardsleyi*, quarantine.

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