

ORNAMENTALS, FLOWERING PLANTS:

Hibiscus rosa-sinensis (hibiscus, or China-rose)-- *Aleurodicus dugesii* Cockerell, **giant whitefly**: A severe infestation on several plants was found at a bank in Stuart (Martin County; E98-1901; Kenneth L. Hibbard and Dr. Susan E. Halbert; 8 June 1998). **NEW DPI COUNTY RECORD.**

-- *Aleurodicus dugesii* Cockerell, **giant whitefly**: Slight infestations were found at an apartment complex and a residence in Casselberry (Seminole County; E98-1900, 1902; Anne F. Weathers; 10 June 1998). There were parasites in nearly every specimen; biological control is working beautifully (Dr. Avas B. Hamon and Dr. Ru Nguyen).

Maranta leuconeura var. *erythroneura* (red-veined herringbone plant)-- *Chaetanaphothrips orchidii* (Moulton), **orchid thrips**: A moderate infestation was found on 500 of 1500 plants at a nursery in Apopka (Orange County; E98-1045; Leslie J. Wilber and Anthony N. Capitano; 21 April 1998).

FOREST AND SHADE TREES:

Ulmus parvifolia (Chinese elm)-- *Tinocallis ulmiparvifoliae* Matsumura, **an Asian elm aphid**: A slight infestation was found on trees growing in the parking lot of the Tavares DPI office (Lake County; E98-1287; Dr. Susan E. Halbert and Christine M. Murphy; 6 May 1998). This aphid occurs throughout east Asia and is quite common in China. It was detected in England on bonsai *U. parvifolia*. Chinese elms are popular bonsai cultivars in the USA, as well. Since *T. ulmiparvifoliae* had to have been imported into Florida on a living elm tree, it is quite possible that it arrived here on bonsai plants from Asia. *Tinocallis ulmiparvifoliae* is not likely to become a serious pest in Florida, but high populations may produce enough honeydew to become a nuisance for parked cars, yard furniture, etc. (Dr. Susan E. Halbert). (Stroyan 1977). **NEW RECORD FOR THE WESTERN HEMISPHERE.**

CITRUS:

Citrus aurantifolia (key lime)-- *Diaphorina citri* Kuwayama, **Asian citrus psyllid**: A slight infestation was found at a residence in Delray Beach (Palm Beach County; E98-1751; Dr. Susan E. Halbert, Ellen J. Tannehill, Dennis C. Clinton and Dr. Larry G. Brown; 2 June 1998). Asian citrus psyllid is one of the most important pests of citrus in most of Asia, several islands in the Indian Ocean, and Saudi Arabia. It causes damage to the crop primarily by transmitting phloem limited bacteria that cause citrus greening disease. Asian citrus psyllid also occurs in Brazil and Argentina, but it is regarded as a relatively minor pest because the pathogens are absent. The status of the greening pathogens in Florida is unknown at this time (Dr. Susan E. Halbert). **NEW RECORD FOR NORTH AMERICA.**

Citrus aurantium (sour orange)-- *Diaphorina citri* Kuwayama, **Asian citrus psyllid**: A slight infestation was found on a plant in a business landscape in Tegueste (Martin County; E98-1889; Kenneth L. Hibbard and Dr. Susan E. Halbert; 8 June 1998). A plant sample submitted for greening analysis was negative (Dr. Richard F. Lee, University of Florida's Citrus Research and Extension Center, Lake Alfred). **NEW DPI COUNTY RECORD.**

Citrus x paradisi (grapefruit)-- *Anasa scorbutica* (Fabricius), a **coreid bug**: A specimen was collected in a sweep-net sample on grapefruit leaves at a citrus nursery in Lithia (Hillsborough County; E98-1348; Alan R. Haynes and Stacy A. Tyralla; 13 May 1998). This insect breeds on Cucurbita. NEW DPI COUNTY RECORD.

-- *Diaphorina citri* Kuwayama, **Asian citrus psyllid**: A slight infestation was found at a residence in Delray Beach (Palm Beach County; E98-1753; Dr. Susan E. Halbert, Ellen J. Tannehill, Dennis C. Clinton, and Dr. Larry G. Brown; 2 June 1998). Adults, eggs and immature were all present on new shoots in the center of the tree.

Citrus sinensis (sweet orange)-- *Praticollega griseola*, **snails**: Large numbers were found covering trunks of trees in a citrus grove (Hendry County; E98-2005; John McGuire, grove manager, Phillip A. Stansly, University of Florida's Southwest Florida Research and Extension Center, Immokalee; 18 June 1998). These snails can rasp leaves but normally they are not significant pests (Dr. Lionel A. Stange).

Citrus spp. (mixed citrus cultivars)-- *Diaphorina citri* Kuwayama, **Asian citrus psyllid**: A slight infestation was found at a discount store in Oakland Park (Broward County; E98-1913; James 'Keith' Harris; 12 June 1998).

WEEDS AND GRASSES:

Artemisia ludoviciana (mugwort)-- *Coloradoa artemisiae* (del Guercio), an **aphid**: A moderate infestation was found on a plant at a botanical garden in Gainesville (Alachua County; E98-972; Dr. Susan E. Halbert and Belén Belliure; 11 April 1998). This is a widely naturalized Eurasian species (Dr. Susan E. Halbert). NEW DPI FLORIDA STATE RECORD.

BENEFICIAL INSECTS:

Aonidiella orientalis (Newstead) (Oriental scale)-- *Closterocerus phenacapsia* (Yoshimoto), a **eulophid parasitic wasp**: The parasite was found in a laboratory colony of Oriental scale on *Cycas circinalis* (queen sago) at a United States Department of Agriculture research unit in Miami (Dade County; E98-1249; Holly B. Glenn, University of Florida's Tropical Research and Extension Center, Homestead; 18 March 1998). NEW HOST RECORD FOR THIS PARASITE (Dr. Gregory A. Evans).

Philephedra tuberculosa Nakahara & Gill (a scale insect)-- *Curinus coeruleus* Mulsant, a **ladybird beetle**: Beetles were found eating scales on *Dombeya* sp. (a tropical snowball) at a residence in Deerfield Beach (Broward County; E98-1548-2; M. Ernst, homeowner, and Dennis C. Clinton; 21 May 1998).

-- *Diomus* sp., a **ladybird beetle**: Beetles were found eating scales on *Dombeya* sp. (a tropical snowball) at a residence in Deerfield Beach (Broward County; E98-1548-3; M. Ernst, homeowner, and Dennis C. Clinton; 21 May 1998).

-- *Exochomus marginipennis* (LeConte), a **ladybird beetle**: Beetles were found eating scales on *Dombeya* sp. at a residence in Deerfield Beach (Broward County; E98-1548-1; M. Ernst, homeowner, and Dennis C. Clinton; 21 May 1998).