

BOTANY SECTION

Compiled by Richard E. Weaver, Jr., Ph.D.

For this period, the Botany Section received 141 specimens for identification and other sections requested identification/name verification for 848 (total = 989). Also during this period, 174 specimens were added to the herbarium. Some of the samples are discussed below:

Afraegle paniculata (Schum.) Engl. (A genus of four species native to West Africa). Rutaceae.

Nigerian powder-flask. A dense rounded tree to 15 m tall with slender green twigs and straight, very sharp spines in the axils of some of the leaves. The leaves themselves are alternate and trifoliolate with subcoriaceous, sparingly crenulate leaflets, the terminal one slightly the largest. The white, four-petalled, odoriferous flowers are borne in short axillary panicles. Although a *Citrus* relative, the wrinkled rind of the large orange-size fruits is hard and almost woody. The flesh of this fruit lacks the pulp vesicles typical of *Citrus* fruits and rather is homogeneous, resinous and generally inedible. Judging from the common name, the hollowed out shells were used as containers for gunpowder in its native West Africa. In Florida the tree is seldom cultivated. It grows well in the southern part of the state, but seldom sets fruit (Polk County; B2003-854; Sharon Garrett; 6 November 2003). (Reuther, Webber and Batchelor 1967.)

Agarista populifolia (Lam.) Judd (A monotypic genus segregated from *Leucothoe* D. Don, native on the Atlantic Coastal Plain from southeastern South Carolina to northeastern Florida). Ericaceae. **Pipestem, Florida hobblebush.** A familiar plant of spring runs and other moist woodlands, especially in the Florida portion of its range. This is an evergreen shrub with slender stems (to 4 m) that, with age, may arch to the ground where they take root and form tangled thickets. The glossy, acute or acuminate, ovate to lanceolate leaves are 4-10 cm long and are red or purplish on the new growth. White, honey-scented, narrowly urn-shaped flowers are borne in axillary racemes on the previous year's wood in May and June. A plant in full bloom is attractive, but not quite showy. Although a plant of moist soils in the wild, the pipestem apparently grows well in gardens if it can be shaded and watered during dry periods. Recently, a more compact form, growing only about a meter tall and with denser foliage than the wild types, has been released under the trademarked name Leprechaun (Lake County; B2003-870; Harry L. Morrison; 7 November 2003.) (Godfrey 1988.)

Cydonia oblonga Mill. (A genus of two species, one in East Asia and the other in West Asia.) Rosaceae. **Quince.** Related to the apple and the pear, this is species similar to both in many ways. It forms a picturesque small tree with a broad crown and gnarled branches, growing to 6 m tall. The leaves have entire margins, an unusual feature in the Rose Family and are white-woolly beneath. With five white or pale pink petals, the flowers resemble large apple-blossoms, but they are borne singly at the tips of short, leafy shoots, after the leaves are fully developed. The broadly pear-shaped fruits are yellow at maturity, with a grayish bloom, and can weigh a pound or more. Even when ripe they are very hard and basically inedible out of hand. Thought to be native to Iran and eastern Turkey, the tree has been cultivated since Roman times and has become naturalized in Europe. The fruits are high in pectin and are tart and aromatic. They are used primarily to make preserves, but the Iranians bake them, stuffed

with mutton. There is little demand for the fruits in this country and commercial acreage is small, primarily in California, Pennsylvania and New York (Brooks County, Georgia; B2003-915; Mark Crow; 18 November 2003.) (Everett 1981.)

Datura metel L. (A genus of nine species native to southern North America and southern Asia, but now widely naturalized around the world.) Solanaceae. **Horn-of-plenty, apple-of-Sodom.** A shrub-like annual herb growing to 1.5 m tall, with large (to 15 cm long), shallowly lobed, glabrous leaves and plum-sized, spine-covered seed capsules. The normally white, trumpet-shaped flowers are as much as 20 cm long. These are showy plants, and they have become popular ornamentals. Particularly prized are the double-flowered forms, including one with soft yellow corollas and another with corollas dark purple outside and pale purple inside. The plants with purple flowers also have dark purple stems and petioles. All parts of this and other *Datura* species contain varying amounts of tropane alkaloids, such as atropine, hydrocyamine and scopolamine. These compounds have numerous legitimate medicinal uses, but they are also hallucinogenic and can be seriously toxic. Judging a safe dose for ceremonial or recreational use is difficult, and deaths have occurred from overuse. This species is apparently native to southern Asia, at least in India and China, and has been an important medicinal and ceremonial plant there for centuries (Pinellas County; B2003-932; David Mooney; 6 December 2003). (Kingsbury 1964; Mabberley 1997).

Gloxinia sylvatica (Kunth) Wiehler. (A neotropical genus with 15 species). Gesneriaceae. **Bolivian sunset gloxinia.** This rhizomatous perennial is becoming a popular ornamental, and well it should, since it is a hardy, adaptable, and beautiful plant suitable for both container and garden culture. It grows 1-2 dm tall, with lustrous lanceolate leaves and solitary flowers on long stalks from the upper axils. The flowers themselves have a 2-3 cm long, broadly tubular and inflated corolla tube, fiery red-orange on the exterior and yellow on the interior. The flower's five corolla lobes are small and triangular. The plants bloom best during the cool weather in spring and fall and will continue flowering well into December in protected sites. A hard freeze will kill the aerial portion of the plants. This should not be confused with the florist gloxinia (*Sinningia speciosa*), a rather different plant though still in the Gesneriaceae. As implied by the rather contrived common name, *Gloxinia sylvatica* is a native of Bolivia (and also Brazil) (Lee County; B2003-934; Lori Richards; 2 December 2003). (Hogan 2003.)

Harrisella filiformis (Sw.) Cogn. (A neotropical genus with three species.) Orchidaceae. **Threadroot orchid.** This is probably the least conspicuous orchid native to Florida. It is completely leafless, and the stem is minute and rudimentary. The visible vegetative portion of the plant consists only of a mass of slender silvery-grey photosynthetic roots less than 1 mm thick, but up to 30 cm long. In bloom, it is only slightly more conspicuous: the green, flowers, about the size of a pinhead, are borne on hair-like stalks. Only the pea-sized capsules catch the eye. Although once thought to be rare and still listed as "threatened" in Florida, the plant is often overlooked and turns out to be quite common and widespread. Previously, it was known as far north as Citrus, Sumter and Orange counties, extending south through the remainder of Florida, all of the Greater Antilles, SE Mexico, and El Salvador. This sample represents a new county record, as well as the northernmost known collection, and has been deposited in our herbarium (Volusia County; B2003-960; Stacey Simmons; 16

December 2003). (Luer 1972; <http://www.plantatlas.edu> .)

Osmanthus americanus (L.) Benth. & Hook.f. ex A. Gray. (A genus of 15 species distributed in the warmer parts of Asia and North America). Oleaceae. **Devilwood, wild olive.** A small tree with a regular, rounded crown, this attractive native evergreen usually grows to 5 or 6 m tall, although exceptional individuals may reach 11 m. The opposite, leathery, glabrous leaves (8-14 cm long) are elliptic to obovate in outline with entire margins. All winter long, the scaly-bracted, immature axillary inflorescences are a conspicuous feature. In March and April, they expand into short panicles with small, fragrant, creamy-white, four-parted privet-like flowers. These are followed by dark blue drupes 1-1.5 cm long, which serve as food for a variety of wildlife. The common name "devilwood" refers to the fine-grained wood which is difficult to split and to work. The tree is ornamental in habit, foliage, flower and fruit and is occasionally cultivated, taking shearing well and making a fine hedge. It is native to a variety of forest types along the Coastal Plain from eastern Virginia to Louisiana (Volusia County; B2003-916; Raymond C. Jarrett, Jr.; 12 November 2003). (Gilman and Watson 1994; Godfrey 1988.)

Piper longum L. (A huge and taxonomically difficult pan tropical genus of approximately 2000 species.) Piperaceae. **Indian long pepper.** This is a relative of the common black pepper, *Piper nigrum* L., and like it, the ground fruits are used as a spice. It is a slender twining vine with slightly swollen nodes, and the leaves are alternate and narrowly heart-shaped, with three to five conspicuous veins. As in all species of this family, the flowers are greatly reduced in structure and are borne in dense, catkin-like spikes. The flowers are unisexual, with staminate flowers in spikes to 6 cm long; pistillate, in much shorter ones. Cultivation of this plant probably predated that of black pepper. We know it was extensively used and highly prized by the Romans. It is still used occasionally in its native India and North Africa, but is now almost unknown in the West (Hillsborough County; B2003-936; Mark Runnals; 8 December 2003). (Huxley 1992; http://www-ang.kfunigraz.ac.at/~katzer/engl/Pipe_lon.html)

Platyclusus orientalis (L.f.) Franco. (A monotypic genus native to China and Korea.)

Cupressaceae. **Oriental arborvitae.** This species was long considered a member of the arborvitae genus, *Thuja*, but it differs in that its female cone scales are fleshy when young and its seeds are wingless. Cultivated trees have a distinctive rounded form when young and grow slowly, seldom exceeding 10 m in height, at least in Florida. In the wild, the crown becomes irregular with age, and the trees can grow as tall as 35 m and live more than 1000 years. Scale-like leaves are arranged like shingles on the tree's flattened branchlets, and these are arranged in vertical planes. The bluish color of the immature female cones contrasts strongly with the yellow-green foliage. This is one of the most adaptable conifers in cultivation. It is native as far north as the edge of Mongolia, yet it thrives at sea level in Puerto Rico. On this tropical island, it and the Italian cypress, *Cupressus sempervirens* L., are the most commonly cultivated conifers. Numerous cultivars, including dwarfs, are common in American and European gardens (Hillsborough County; B2003-959; James Martin; 15 December 2003). (Mabberley 1997; <http://www.botanik.uni-bonn.de/conifers/cu/pl>)

Tetrapanax papyrifer (Hook.) K. Koch. (A monotypic genus native to Taiwan and southern

China). Araliaceae. **Rice paper plant.** A vigorously rhizomatous shrub, growing to 4 m tall, and evergreen in mild climates. The stems are upright and sparsely branched, with the huge leaves clustered at the top, as in a palm. The leaves themselves are palmately lobed, up to 50 cm across, and covered with a dense whitish pubescence when young. The hairs persist on the lower surface, giving a bicolored effect in a breeze. The whitish flowers are borne in ball-shaped umbels, and these in turn are arranged in large and showy panicles. The plants start to bloom in January in northern Florida. Rice paper was originally made in China from the pith of these plants. The pith was turned against a blade, in much the same manner as veneer is cut from a log. The resulting thin strips were pressed and dried into sheets of a fine paper-like material highly prized by painters and calligraphers. Today, the plant is used primarily as an ornamental. With its bold leaves and large inflorescences, it can be spectacular, but it spreads too vigorously for many gardens (Hernando County; B2003-837; Osmond Baron; 30 October 2003). (Gilman 1999; <http://www.killerplants.com>)

REFERENCES

- Everett, T.H. 1981. The New York Botanical Garden encyclopedia of horticulture. Volume 3. Garland Publishing, Inc., New York and London. 974 p.
- Gilman, E.F. 1999. *Tetrapanax papyriferus*. Fact Sheet FPS-576, Department of Environmental Horticulture, FL Cooperative Extension Service, IFAS, University of Florida, Gainesville. 3 p.
- Gilman, E.F., and D.G. Watson. 1994. *Osmanthus americanus*, Devilwood. Fact Sheet ST-424, Department of Environmental Horticulture, Florida Cooperative Extension Service, IFAS, University of Florida, Gainesville. 3 p.
- Godfrey, R.K. 1988. Trees, shrubs and woody vines of northern Florida and adjacent Georgia and Alabama. University of Georgia Press, Athens. 735 p.
- Hogan, S. (Chief Consultant). 2003. Flora: a gardener's encyclopedia. Timber Press, Portland. 1584 p.
- Huxley, A.J. (ed.). 1992. Royal Horticultural Society dictionary of gardening. 4 volumes. Macmillan Press, London. 3240 p.
- Kingsbury, J.M. 1964. Poisonous plants of the United States and Canada. Prentiss-Hall, Inc., Englewood Cliffs, NJ. 626 p.
- Luer, C.A. 1972. The native orchids of Florida. The New York Botanical Garden, New York. 291 p.
- Mabberley, D.J. 1997. The plant book, 2nd edition. Cambridge University Press. 858 p.
- Reuther, W., H.J. Webber, and L.D. Batchelor (eds.). 1967. 2 volumes. University of California, Berkeley. 1009 p.

Entomology Section
Compiled by Susan E. Halbert, Ph.D.

For the month of November, there were 590 samples consisting of 42,189+ specimens. In December, there were 638 samples, consisting of 29,579+ specimens. Some of the samples are listed below:

ORNAMENTALS, WOODY PLANTS AND PALMS:

Calophyllum sp., (beautyleaf) -- *Oxymerus* sp., **a cerambycid beetle**: A slight infestation was found at a nursery in Hialeah (Miami-Dade County; E2003-5890; Lynda F. Davis; 14 November 2003). NEW DPI STATE RECORD. This is a widespread genus in Central and South America and the Caribbean. Its economic significance is unknown (Dr. Michael C. Thomas).

Johannesteijsmannia sp. (daun payung) -- *Parlatoria proteus* (Curtis), **proteus scale**: A severe infestation was found in Naples (Collier County; E2003-6635; Fred Mueller, homeowner; 17 December 2003). NEW DPI HOST RECORD.

Melaleuca bracteata (melaleuca) -- *Paratachardina lobata* (Chamberlin), **lobate lac scale**: A moderate infestation was found at Chapman Field in Miami (Miami-Dade County; E2003-6520; Eduardo M. Varona and Susan E. Halbert; 17 December 2003). NEW DPI HOST RECORD.

Tabebuia sp. (tabebuia) -- *Tenuipalpus tabebuiae* De Leon, **false spider mite**: A moderate infestation was found on a plant at a residence in Ft. Lauderdale (Broward County; E2003-4046; Sallie H. Simmons; 16 July 2003). NEW DPI STATE RECORD. This mite is known from this host in other parts of the Caribbean region and Mexico (Dr. W.C. Cal Welbourn).

Vinsonia stellifera (Westwood), **stellate scale**: A slight infestation was found at a residence in Miami (Miami-Dade County; E2003-5733; Edward T. Putland; 10 November 2003). NEW DPI HOST RECORD.

ORNAMENTALS, FOLIAGE PLANTS:

Bambusa sp. (bamboo) -- *Kuwanaspis vermiformis* Takahashi, **an armored scale**: A severe infestation was found at a residence in Sarasota (Sarasota County; E2003-5721; Ethel C. Hatfield; 5 November 2003). NEW DPI COUNTY RECORD.

Palmicultor lumpurensis (Takahashi), **a bamboo mealybug**: A moderate infestation was found at a nursery in Davie (Broward County; E2003-6600; William A. Thiel; 17 December 2003). NEW DPI COUNTY RECORD.

Ilex cassine (Dahoon holly) -- *Coccus viridis* (Green), **green scale**: A moderate infestation was found on 15 of 150 plants at a nursery in Ft. Myers (Lee County; E2003-6191; Walter W. Golden; 4 December 2003).

Schefflera actinophylla (schefflera, octopus tree, Queensland umbrella tree) -- *Conchaspis angraeci* Cockerell, **angraecum scale**: A moderate infestation was found at an apartment complex in Ft. Myers (Lee County; E2003-6412; Walter W. Golden and Yvette R. Ogle; 11 December 2003). NEW DPI COUNTY RECORD, NEW DPI HOST RECORD.

ORNAMENTALS, FLOWERING PLANTS:

Anthurium sp. (anthurium lily) -- *Pseudococcus elisae* Borchsenius, **banana mealybug**: An infestation was found at an IFAS unit in Apopka (Orange County; E2003-6550; Leslie J. Wilber and Lance S. Osborne, University of Florida, IFAS, Apopka; 11 December 2003). NEW DPI HOST RECORD.

Celosia argentea (celosia, red fox) -- *Toxoptera citricida* (Kirkaldy), **brown citrus aphid** and *Aphis gossypii* Glover, **cotton/melon aphid**: A moderate infestation was found on a plant at a nursery in North Ft. Myers (Lee County; E2003-6564; Reuben E. Sibert, USDA/APHIS/PPQ; 16 December 2003). Both records are NEW DPI HOST RECORDS. This is a very unusual host for brown citrus aphid.

Dendrobium sp. (orchid) -- *Spodoptera litura* (Fabricius), **rice cutworm**: A specimen was intercepted alive in a box of orchids from Thailand at a distributor in Groveland (Lake County; E2003-5946; Stephen P. Beidler; 21 November 2003). This species is Asian and does not occur in the USA (Dr. John B. Heppner).

Spathoglottis unguiculata, (orchid) -- *Saissetia coffeae* (Walker), **hemispherical scale**: A severe infestation was found on about 20% of 300 plants at a nursery in Miami (Miami-Dade County; E2003-5929; RosaMaria M. Quiñones; 20 November 2003). NEW DPI HOST RECORD.

Vinca major (bigleaf periwinkle) -- *Planococcus citri* (Risso), **citrus mealybug**: An infestation was found at a nursery in Rockford, Illinois (Winnebago County; E2003-6330; David Ott, Staff Horticulturalist; 8 December 2003). NEW DPI HOST RECORD.

FOREST AND SHADE TREES:

Catalpa longissima (yoke-wood, chene haitien) -- *Hyblaea puera* (Cramer), **teak moth**: Two specimens were reared from plants at Fairchild Tropical Garden in Coral Gables (Miami-Dade County; E2003-6118; Gwen H. Myres; 2 December 2003). NEW DPI HOST RECORD.

Guaiacum officinale (common lignumvitae) -- *Paratachardina lobata* (Chamberlin), **lobate lac scale**: A slight infestation was found on a plant at a residence in Miami (Miami-Dade County; E2003-5959; Haydee L. Escobar; 19 November 2003).

Metopium toxiferum (Florida poisonwood, hog gum) -- *Pseudaonidia trilobitiformis* (Green), **trilobe scale**: A slight infestation was found on a plant at a fastfood drive-in in Islamorada (Monroe County; E2003-6394; Lynn D. Howerton and Edward T. Putland; 4 December 2003). NEW DPI HOST RECORD.

Pinus ponderosa (ponderosa pine) -- *Cydia injectiva* Heinrich, **a tortricid moth**: Twenty bags of infested cones from Washington State were found at a discount store in Gainesville (Alachua County; E2003-6129; Christine A. Zamora and Michael C. Thomas; 4 December 2003). This moth occurs in Washington State, but it does not occur in Florida (Dr. John B. Heppner).

Pinus spp. (pine) -- *Chlorophorus strobilicola* Champion, **potpourri beetle**: Many beetles were extracted and reared from pine cones in bags of potpourri from India intercepted at discount stores at many locations in Florida. The first finds were in Gainesville (Alachua County; E2003-6157; Christine A. Zamora and Michael C. Thomas; 4 December 2003) and in Lake Mary (Seminole County; E2003-6156; Amanda D. Melco and Karen S. Kolby; 4 December

2003). Other locations where infested bags of potpourri were confiscated include Altamonte Springs (Seminole County; E2003-6561; Tirzah M. Lyons; 12 December 2003), Arcadia (DeSoto County; E2003-6385; Richard T. Bloom; 12 December 2003), Bonita Springs (Lee County; E2003-6313; Matthew W. Brodie; 5 December 2003), Cape Coral (Lee County; E2003-6159, 6160, 6161, 6390, 6391; Lorrie R. Rigby; 5, 11 December 2003), Coral Springs (Broward County; E2003-6184; J. Keith Harris; 5 December 2003), Ft. Myers (Lee County; E2003-6163, 6164, 6165, 6166, 6389; Lorrie R. Rigby; 5, 11 December 2003), Gulfport (Pinellas County; E2003-6588, 6589; Gabriella M. Bernard; 17 December 2003), Jacksonville (Duval County; E2003-6155; Mark A. Wheldon; 5 December 2003), Jacksonville Beach (Duval County; E2003-6470; Mark A. Wheldon; 8 December 2003), Lakeland (Polk County; E2003-6392; Charles A. Thornhill; 12 December 2003), Largo (Pinellas County; E2003-6162, 6225; David M. Mooney; 5 December 2003 and E6521, 6522, 6524, 6528; Thomas S. Lastrapes; 16 December 2003), Merritt Island (Brevard County; E2003-6289, 6290, 6291, 6292, 6293, 6294, 6295, 6296; Gregory A. Brown; 8 December 2003), Miami Lakes (Miami-Dade County; E2003-6684; Lynda F. Davis; 19 December 2003), Naples (Collier County; E2003-6314; Scott D. Krueger; 5 December 2003), Okeechobee (Okeechobee County; E2003-6384; James E. Bennett; 12 December 2003), Oldsmar (Pinellas County; E2003-6468; Thomas S. Lastrapes; 12 December 2003), Orlando (Orange County; E2003-6529; George E. Warden; 12 December 2003 and E2003-6562; Allen H. Garbrick; 12 December 2003), Palm Harbor (E2003-6469; Thomas S. Lastrapes; 12 December 2003), Pensacola (Escambia County; E2003-6686; Laura L. Ooms; 19 December 2003), Plant City (Hillsborough County; E2003-6467; Leyanis Gonzales; 12 December 2003), Port Charlotte (Charlotte County; E2003-6326, 6327; Lorrie R. Rigby; 10 December 2003), Sebring (Highlands County; E2003-6382; Richard T. Bloom; 12 December 2003), Stuart (Martin County; E2003-6182; Jorge P. Gomez; 5 December 2003), Tampa (Hillsborough County; E2003-6223, Alan R. Haynes and Richard A. White; 5 December 2003 and E2003-6224; Amy R. Simington; 5 December 2003), and Winter Haven (E2003-6514, 6615; Charles A. Thornhill; 16 December 2003). There were 50 total bags of potpourri with infested pine cones confiscated from 33 discount stores representing four different retail companies. The larva of this beetle bores in the cones of native and exotic pines in India and has been implicated in reducing seed production (Dr. Michael C. Thomas).

Elasmolomus pallens Dallas, **peanut trash bug**: A single specimen was intercepted in pine cone potpourri from India sold at a discount store in Naples (Collier County; E2003-6314; Scott D. Krueger; 5 December 2003). This species is a pest in Africa, Asia, and Australia. It is known to feed on peanuts, oats, and sesame, among other seeds. It has a tendency to be distributed by commerce (Julieta Brambila and Dr. Susan E. Halbert).

Spermophagus kuskai Borowiec, **a bruchid beetle**: Several specimens were found in pine cone potpourri from India confiscated in Vero Beach (Indian River County; E2003-6500; Christine J. Frere; 12 December 2003). This species was described from India. The host plant given in the description is *Abelmoschus esculentus* L. (Malvaceae) (Dr. John M. Kingsolver, FSCA Research Associate).

Quercus laurifolia (laurel oak) -- *Paratachardina lobata* (Chamberlin), **lobate lac scale**: A slight infestation was found on two plants at the South Florida Water Management District

headquarters in Weston (Broward County; E2003-5776; William A Thiel; 7 November 2003). NEW DPI HOST RECORD.

Quercus virginiana (live oak) -- *Eriococcus quercus* (Comstock), **oak eriococcin**: A severe infestation was found on 20 of 40 plants at a nursery in Odessa (Hillsborough County; E2003-5907; Alan R. Haynes; 16 November 2003). NEW DPI COUNTY RECORD.

FOOD AND CROP PLANTS:

Arachis hypogaea (peanut, groundnut, cacahuata, mani) -- *Neopamera bilobata* (Say), **a seed bug**: Several specimens were found feeding on peanuts after digging, but prior to harvest in Altha (Calhoun County; E2003-5587; Stefanie L. Krantz, CAPS and Susan E. Halbert; 19 September 2003). Another specimen was found in the same habitat near Williston (Levy County; E2003-5591; Susan E. Halbert and Stefanie L Krantz, CAPS; 25 August 2003). Both finds are NEW DPI COUNTY RECORDS.

Averrhoa carambola (carambola, starfruit, blimbing) -- *Argyrotaenia amatana* (Dyar), **a tortricid moth** and *Platynota rostrana* (Walker), **a tortricid moth**: Specimens were reared from a moderate infestation found in fruit at Homestead (Miami-Dade County; E2003-5769, 5770; Rita E. Duncan, University of Florida, IFAS, Homestead; 1 October 2003). Both species are NEW DPI HOST RECORDS.

Cajanus cajan (pigeon pea, gandules, Congo bean, gungo bean) -- *Melanagromyza obtusa* (Malloch), **pigeon pea pod fly**: A moderate infestation was found at a farm in Miami (Miami-Dade County; E2003-6681; Ramon Dones, USDA, Miami; 20 December 2003). NEW USA CONTINENTAL RECORD. This is a serious pest of pigeon pea in southern Asian countries, such as India. Flies oviposit into young pods. Each larva feeds on and destroys usually a single seed, but several larvae may be present in a pod. The pest first became established in the Western Hemisphere in Puerto Rico and the Dominican Republic during or before 2000. Serious crop loss has already been reported in the Dominican Republic. This fly has been recorded as a pest of various other leguminous plants in Asia, but it remains unknown whether it will attack other plants in Florida.

Capsicum annuum (pepper) -- *Aleurotrachelus trachoides* (Black), **a whitefly**: A severe infestation on over 20 plants was found at a nursery in Key West (Monroe County; E2003-6378; Edward T. Putland and Lynn D. Howerton; 4 December 2003). NEW DPI COUNTY RECORD.

Carica papaya (papaya) -- *Gynakothrips uzeli* Zimmerman, **a thrips**: A moderate infestation was found on three plants at a residence in Coral Gables (Miami-Dade County; E2003-6028; Haydee L. Escobar; 21 November 2003). NEW DPI HOST RECORD.

Cinnamomum burmannii (Malasian cinnamon) -- *Aspidiotus spinosus* Comstock, **spinose scale**: A moderate infestation on 1% of about 25 plants was found at a nursery in Immokalee (Hendry County; E2003-6595; Lori A. Richards; 18 December 2003). NEW DPI COUNTY RECORD.

Cinnamomum zeylanicum (cinnamon tree, Ceylon cinnamon) -- *Paratachardina lobata* (Chamberlin), **lobate lac scale**: A slight infestation was found on a plant at a residence in Miami (Miami-Dade County; E2003-6017; Edward T. Putland; 24 November 2003). NEW DPI HOST RECORD.

Dimocarpus longan (longan) -- *Myllocerus undatus* Marshall, a **weevil**: A slight infestation was found on three plants at a residence in Largo (Pinellas County; E2003-5298; William J. Salway; 22 October 2003). NEW DPI COUNTY RECORD. This is the first record for the west coast of Florida (Dr. Michael C. Thomas).

Lactuca sativa (lettuce, romaine lettuce, leaf lettuce) -- *Acyrtosiphon lactucae* (Passerini), a **lettuce aphid**: Specimens were intercepted on organic lettuce from California in MacClenny (Baker County; E2003-5846; M. Janie Echols and James R. Wigelsworth; 18 November 2003), Plant City (Hillsborough County; E2003-5924, 5989; Leyanis Gonzales and Amy R. Simington; 20, 21 November 2003), and Winter Haven (Polk County; E2003-5885, 5922, 5923; Stephen A. Bohnstedt and John P. Tice; 19 November 2003). This species occurs abundantly in the Western states, particularly on *Lactuca scariola*, wild prickly lettuce. It can be a serious problem in commercial lettuce grown for seed, because seed heads become too sticky to harvest (Dr. Susan E. Halbert).

Nasonovia ribisnigri (Mosley), **currant-lettuce aphid**: A slight infestation was intercepted at a discount store in a shipment from California in Apopka (Orange County; E2003-5687; Luis A. Arocho; 4 November 2003). A moderate infestation in 500 boxes of lettuce was intercepted at a warehouse in a shipment from California in Lakeland (Polk County; E2003-5509; Stephen A. Bohnstedt; 29 October 2003). A moderate to severe infestation was intercepted in a shipment from California at a discount warehouse in MacClenny (Baker County; E2003-5659; M. Janie Echols; 7 November 2003). Moderate to severe infestations were intercepted in shipments from California in Miami (Miami-Dade County; E2003-5737, 5866; Maria C. Acosta; 10, 17 November 2003). Slight to severe infestations were intercepted in Miami Beach (Miami-Dade County; E2003-5738, 5739, 5886, 5887, 5889, 5897; Maria C. Acosta; 10, 14 November 2003). A slight infestation was intercepted at a grocery store in a shipment from California in Palm Bay (Brevard County; E2003-5656; Christine J. Frere; November 2003). Moderate infestations were intercepted in shipments from California in Plant City (Hillsborough County; E2003-5735, 5736; Terri L. Gater and Amy R. Simington; 10 November 2003). The currant-lettuce aphid can be a serious pest of commercial lettuce. They colonize the insides of the heads, where they are hard to detect, and where regular washing does not remove them. Currant-lettuce aphids occur in the British Columbia, California, and several northeastern states, but not in Florida. The species also is a pest in Europe (Dr. Susan E. Halbert).

Orius tristicolor (White), a **minute pirate bug**: Specimens were intercepted in shipments of aphid-infested lettuce from California in Winter Haven (Polk County; E2003-5885, 5923; Stephen A. Bohnstedt and John P. Tice; 19 November 2003). This predator does not occur in Florida (Dr. Susan E. Halbert).

Laurus nobilis (laurel, bay leaf) -- *Ceroplastes floridensis* (Comstock), **Florida wax scale**: A severe infestation was found on all of three plants at a nursery in Winter Garden (Orange County; E2003-6260; George E. Warden; 3 December 2003). NEW DPI HOST RECORD.

Macadamia integrifolia (macadamia nut) -- *Fiorinia fioriniae* (Targioni-Tozzetti), **fiorinia scale**: A slight infestation was found on a plant at a residence in Ft. Myers (Lee County; E2003-6642; David L. Renz, USDA/APHIS/PPQ; 23 December 2003). NEW DPI HOST RECORD.

Peristrophe hyssopifolia (marble leaf) -- *Eucalymnatus tessellatus* (Signoret), **tessellated scale**, and *Pinnaspis strachani* (Cooley), **lesser snow scale**: A moderate infestation was found on all of 25 plants at an herb farm in Winter Garden (Orange County; E2003-6258; George E. Warden; 4 December 2003). Both finds are NEW DPI HOST RECORDS.

Psophocarpus tetragonolobus (winged bean, winged pea, goa bean, Manila bean, dambola)-- *Aphis craccivora* Koch, **cowpea aphid**: A moderate infestation was found on a plant at a residence in Ft. Myers (Lee County; E2003-6143; Reuben E. Sibert, USDA/APHIS/PPQ, 2 December 2003). NEW DPI HOST RECORD.

Spondias dulcis (otaheite, ambarella, golden apple) -- *Aphis craccivora* Koch, **cowpea aphid**: A slight infestation was found on a plant at a residence in Ft. Myers (Lee County; E2003-6144; Reuben E. Sibert, USDA/APHIS/PPQ; 2 December 2003). NEW DPI HOST RECORD.

Vigna umbellata (rice bean) -- *Toxoptera citricida* (Kirkaldy), **brown citrus aphid**: A slight infestation was found on both of two plants at a nursery in North Ft. Myers (Lee County; E2003-6555; Reuben E. Sibert, USDA/APHIS/PPQ; 16 December 2003). NEW DPI HOST RECORD.

CITRUS:

Citrus sp. (citrus) -- *Diaphorina citri* Kuwayama, **Asian citrus psyllid**: A moderate infestation was found on plants at a resort in Cancun, Quintana Roo State, Mexico (E2003-6158; Roy F. Morris II, FSCA Research Associate; 2 November 2003). DPI NATIONAL RECORD FOR MEXICO.

Maconellicoccus hirsutus (Green), **pink hibiscus mealybug**: A moderate infestation was found at a residence in Port St. Lucie (St. Lucie County; E2003-6304; Kenneth L. Hibbard; 10 December 2003). NEW DPI HOST RECORD. The infested tree is a dooryard citrus within a residential area that is not bordering on citrus production areas. Many of the yards within this area have known infestations of this mealybug on hibiscus plants (Dr. Greg S. Hodges)

WEEDS AND GRASSES:

Amaranthus spinosus (spiny amaranth) -- *Aphis amaranthi* Holman, **pigweed aphid**: A moderate infestation was found several inches underground on roots of weeds at a citrus nursery in Winter Haven (Polk County; E2003-6426; Oscar G. Perez and Susan E. Halbert; 4 October 2003). This find confirms trap collections.

Amaranthus sp. (amaranth) -- *Lygus hesperus* Knight, **a Western lygus bug**: A specimen was intercepted in a box of cut flowers from California in Orlando (Orange County; E2003-5482; Terrence D. Williams; 29 October 2003). This lygus bug does not occur in Florida.

Crotalaria sp. (crotalaria) -- *Asterolecanium arabidis* (Signoret), **a pit scale**: A severe infestation was found in Captiva (Lee County; E2003-6411; JoAnn Pate, Walter W. Golden and Yvette R. Ogle; 12 December 2003). NEW DPI COUNTY RECORD.

Cyperus involucratus (umbrella plant) -- *Ceroplastes rusci* (Linnaeus), **fig wax scale**: A moderate infestation was found on a plant at an apartment complex in St. Cloud (Osceola County; E2003-6344; Terrence D. Williams; 9 December 2003). NEW DPI COUNTY

RECORD.

Dactyloctenium aegyptium (crowfoot grass) -- *Duplachionaspis divergens* Green, **an armored scale** and *Antonona graminis* (Maskell), **rhodes grass mealybug**: A moderate infestation was found on one of five plants in a farmers= market in Ft. Pierce (St. Lucie County; E2003-5934; Kenneth L. Hibbard; 20 November 2003). Both finds are NEW DPI HOST RECORDS.

Eleusine indica (Indian goosegrass) -- *Anoecia oenotherae* Wilson, **a root aphid**: A colony was found underground on roots of weeds in a citrus nursery in Winter Haven (Polk County; E2003-6443; Oscar G. Perez and Susan E. Halbert; 4 December 2003). NEW DPI HOST RECORD.

Trionymus winnemucae McKenzie, **a mealybug**: A colony was found on weeds in a citrus nursery in Winter Haven (Polk County; E2003-6443; Oscar G. Perez and Susan E. Halbert; 4 December 2003). NEW DPI COUNTY RECORD. This is a fairly common grass-infesting mealybug within Florida (Dr. Greg S. Hodges).

Eragrostis elliottii (Elliott's lovegrass) -- *Duplachionaspis divergens* Green, **an armored scale**: A moderate infestation was found on 200 of 500 plants at a nursery in St. Cloud (Osceola County; E2003-6299; John P. Tice; 19 December 2003). NEW DPI COUNTY RECORD, NEW DPI HOST RECORD.

Melaleuca quinquenervia (melaleuca, cajeput, punktree, paperbark, white bottlebrush tree) -- *Boreioglycaspis melaleucae* (Moore), **melaleuca psyllid**: A severe infestation was found at a residence in Miami (Miami-Dade County; E2003-6018; Edward T. Putland; 24 November 2003 and E2003-6356; Frederick J. Hubbard; 8 December 2003). This is the biological control agent for melaleuca. Apparently, the psyllids are doing very well (Dr. Susan E. Halbert).

Paspalum setaceum (thin paspalum) -- *Blissus minutus* (Blatchley), **a chinch bug**, *Pseudopachybrachius vinctus* (Say), **a seed bug** and *Geocoris uliginosus* (Say), **a bigeyed bug**: Specimens were found on grass at Jonathan Dickinson State Park near Hobe Sound (Martin County; E2003-5511; Susan E. Halbert and Julieta Brambila; 14 May 2003). All finds are NEW DPI COUNTY RECORDS.

Pennisetum setaceum (fountain grass) -- *Trionymus winnemucae* McKenzie, **a mealybug**: An infestation was found on one of five plants at an amusement park in Lake Buena Vista (Orange County; E2003-6587; Susan E. Halbert; 19 December 2003). NEW DPI HOST RECORD.

Schinus terebinthifolius (Brazilian pepper tree, Florida holly, Christmas berry) -- *Ischnaspis longirostris* (Signoret), **black thread scale**: A moderate infestation was found on a plant at a residence in Miami (Miami-Dade County; E2003-5956; Haydee L. Escobar; 19 November 2003). NEW DPI HOST RECORD.

Urochloa subquadriflora (tropical signal grass) -- *Anoecia oenotherae* Wilson, **a root aphid**: A moderate infestation was found underground on roots of weeds at a citrus nursery in Winter Haven (Polk County; E2003-6420; Oscar G. Perez and Susan E. Halbert; 4 December 2003). NEW DPI HOST RECORD.

NATIVE OR NATURALIZED PLANTS:

- Ardisia escallonioides* (marlberry) -- *Paratachardina lobata* (Chamberlin), **lobate lac scale**: A slight infestation was found on ten plants at a residence in Hialeah (Miami-Dade County; E2003-5958; Haydee L. Escobar; 20 November 2003). NEW DPI HOST RECORD.
- Coccoloba diversifolia* (pigeon plum, tie tongue) -- *Ceroplastes ceriferus* (Fabricius), **Indian wax scale**: An infestation was found at The Barnacle Historic State Park, Coconut Grove (Miami-Dade County; E2003-6245; Julieta Brambila and Karen Ryan-Young; 5 December 2003). NEW DPI HOST RECORD.
- Conocarpus erectus* (buttonwood, button mangrove) -- *Paracalacarus* sp., **an eriophyid mite**: A moderate infestation was found on all of 50 plants at a nursery in Ft. Myers (Lee County; E2003-3445; Walter W. Golden; 4 August 2003). Another infestation was found in Naples (Lee County; E2003-4811; Douglas L. Caldwell, University of Florida, IFAS, Immokalee; 25 September 2003). This mite possibly is a new species (Dr. W.C. Cal Welbourn).
- Duranta erecta* (golden dewdrop, pigeon berry) -- *Aleurothrixus floccosus* (Maskell), **woolly whitefly**: An infestation was found at George S. Gerber Memorial Park, Coconut Creek (Broward County; E2003-5527; J. Keith Harris; 31 October 2003). NEW DPI HOST RECORD.
- Eugenia confusa* (redberry eugenia, tropical ironwood) -- *Paratachardina lobata* (Chamberlin), **lobate lac scale**: A moderate infestation was found at The Barnacle Historic State Park, Coconut Grove (Miami-Dade County; E2003-6248; Julieta Brambila and Karen Ryan-Young; 5 December 2003). NEW DPI HOST RECORD.
- Laguncularia racemosa* (white mangrove) -- *Paratachardina lobata* (Chamberlin), **lobate lac scale**: A moderate infestation was found at Florida International University, North Miami Beach (Miami-Dade County; E2003-5990; Carlos M. Pelegrin; 19 November 2003). NEW DPI HOST RECORD.
- Myrica cerifera* (wax myrtle, southern bayberry) -- *Inglisia vitrea* Cockerell, **glassy scale**: A slight infestation was found on one of ten plants at a church in North Port (Charlotte County; E2003-6456; Matthew W. Brodie and Eduardo M. Varona, USDA; 10 December 2003). NEW DPI COUNTY RECORD.
- Lecanodiaspis prosopidis* (Maskell), **common pit scale**: A moderate infestation was found on one plant in Copeland (Collier County; E2003-6457; Brian Saunders, USDA; 11 December 2003). NEW DPI COUNTY RECORD, NEW DPI HOST RECORD.
- Persea palustris* (swamp bay) -- *Paratachardina lobata* (Chamberlin), **lobate lac scale**: A moderate infestation was found at a residence in Miami (Miami-Dade County; E2003-4546; Antonio I. Perez; 19 September 2003). NEW DPI HOST RECORD.
- Phlebodium aureum* (golden polypody) -- *Vinsonia stellifera* (Westwood), **stellate scale**: A slight infestation on five of ten plants was found at the DPI office in Hialeah (Miami-Dade County; E2003-5734; Haydee L. Escobar; 10 November 2003). NEW DPI HOST RECORD.
- Phlebodium* sp. (phlebodium) -- *Coccus hesperidum* (Linnaeus), **brown soft scale**: A moderate infestation was found on a plant at an amusement park in Lake Buena Vista (Orange County; E2003-6584; Amanda D. Melco; 19 December 2003). NEW DPI HOST RECORD.
- Rapanea punctata* (Florida rapanea, Guiana rapanea, myrsine, colicwood) -- *Dysmicoccus bisponosus* Beardsley, **a mealybug**: A slight infestation was found at Corkscrew Swamp

Sanctuary (Collier County; E2003-6442; Greg S. Hodges and Stefanie L. Krantz, CAPS; 11 December 2003). NEW DPI COUNTY RECORD, NEW DPI HOST RECORD.

Swietenia mahagoni (West Indian mahogany, mahogany, Madeira redwood) -- *Conchaspis angraeci* Cockerell, **angraecum scale**: A moderate infestation was found at a nursery in Hialeah (Miami-Dade County; E2003-6383; Lynda F. Davis; 26 November 2003). NEW DPI HOST RECORD.

Triumfetta semitriloba (Sacramento burrbark) -- *Phenacoccus madeirensis* Green, **Madeira mealybug**: A slight infestation was found on a plant at a residence in Dania (Broward County; E2003-6047; Sallie H. Simmons; 20 November 2003). NEW DPI HOST RECORD.

FEDERAL AND STATE PLANT PROTECTION AND QUARANTINE PROGRAMS:

Citrus reticulata (clementine) -- *Ceratitis capitata* (Wiedemann), **Mediterranean fruit fly**: Specimens were found dead in imported fruit confiscated at discount stores in Boca Raton (Palm Beach County; E2003-6646; Brian Schuettler; 22 December 2003). More specimens were found dead in fruit confiscated in MacClenny (Baker County; E2003-6271; M. Janie Echols; 8 December 2003). Spanish clementines were prohibited from entry into Florida during 2001 and 2002 because a massive amount of fruit that entered the United States from Spain in late 2001 was heavily infested with Mediterranean fruit fly larvae, including live specimens. The USDA lifted these restrictions in October 2003 when it was determined that improved regulatory controls had been implemented (Dr. Gary J. Steck).

INSECT DETECTION:

Boreioglycaspis melaleucae Moore, **melaleuca psyllid**: Specimens were collected in the suction trap at Immokalee (Collier County; E2003-5511, 5512; Mark Terrell, DPI Budwood; and Philip A. Stansly, University of Florida, IFAS, Immokalee; 23, 30 October 2003). Another specimen was found in the suction trap at Kendall (Miami-Dade County; E2003-6615; Gwen H. Myres; 17 December 2003). This species is the biological control agent for *Melaleuca quinquenervia*. The collections indicate that the insect is doing very well (Dr. Susan E. Halbert).

Brachycorynella asparagi (Mordvilko), **asparagus aphid**: A stray winged specimen was intercepted on organic lettuce from California at a discount distribution center in Winter Haven (Polk County; E2003-5885; Stephen A. Bohnstedt and John P. Tice; 19 November 2003). This is a Central Asian species that is introduced in the Western USA, where it causes significant damage to asparagus. It does not occur in Florida (Dr. Susan E. Halbert).

Froeschneria piligera (Stål), **a seed bug**: A specimen was found in Brandon (Hillsborough County; E2003-5913; Julieta Brambila, Susan E. Halbert and Gabrielle Gamester, USDA/APHIS/PPQ; 18 November 2003). NEW DPI COUNTY RECORD.

Gymnetis flavomarginata Blanchard, **a scarab beetle**: A specimen was rescued from a swimming pool in downtown Orlando (Orange County; E2003-5556; Jeff Hole, homeowner; 26 October 2003). NEW DPI STATE RECORD. The only place this genus occurs in the USA is in the Southwest (Dr. Michael C. Thomas).

Lygaeospilus tripunctatus (Dallas), **a seed bug**: Specimens were found at Archbold Biological Station in Lake Placid (Highlands County; E2003-5833; Charles W. O' Brien, Florida A&M

University; 21 February 2000). NEW DPI COUNTY RECORD.

Mitrapsylla cubana (Crawford), **a psyllid**: A specimen was collected in the suction trap at Winter Haven (Polk County; E2003-5834; Kytran G. "Charlie" Nguyen, DPI Budwood; 17 November 2003). NEW DPI COUNTY RECORD.

Neortholomus jamaicensis (Dallas), **a seed bug**: Specimens were found in Tampa (Hillsborough County; E2003-5911; Julieta Brambila, Gabrielle Gamester, USDA/APHIS/PPQ, and Susan Halbert; 18 November 2003). NEW DPI COUNTY RECORD.

Neortholomus scolopax (Say), **a seed bug**: A specimen was found in Brandon (Hillsborough County; E2003-5912; Julieta Brambila, Gabrielle Gamester, USDA/APHIS/PPQ, and Susan Halbert; 18 November 2003). NEW DPI COUNTY RECORD.

Paromius longulus (Dallas), **a seed bug**: Specimens were found under fallen palm fronds in Ft. Pierce (St. Lucie County; E2003-6201; Kenneth L. Hibbard; 4 December 2003). NEW DPI COUNTY RECORD.

Perigenes similis Barber, **a seed bug**: A specimen was found near Lutz (Hillsborough County; E2003-5564; Amy R. Simington and James R. Martin; 30 October 2003). NEW DPI COUNTY RECORD.

Pyrtanes minima (Guérin-Méneville), **a seed bug**: Specimens were found at Archbold Biological Station near Lake Placid (Highlands County; E2003-5833; Charles W. O' Brien, Florida A&M University; 21 February 2003). NEW DPI COUNTY RECORD.

Tomoplagia obliqua (Say), **a tephritid fly**: A specimen was found in a Jackson trap in Green Acres (Palm Beach County; E2003-6082; Marleny Arriola, USDA/APHIS/PPQ; 25 November 2003). NEW DPI COUNTY RECORD.

NEMATOLOGY SECTION

Compiled by Janete A. Brito, Ph.D, and Renato N. Inserra, Ph.D

A total of 4,654 samples (4,287 for morphological and 367 for molecular identifications) were processed in November and December 2003. Details are shown below:

Certification and Regulatory Samples:	Other Samples:
Multistate Certification for National and International Export2831	Identification (Invertebrate) 3
California Certification.....982	Plant Problems 56
Burrowing Nematodes.....23	Intrastate Survey, Random 196
Pre movement (Citrus Nursery Certification)..... 128	Molecular Identifications* 367
Site or Pit Approval(Citrus Nursery and Other Certifications).....68	
	*The majority of these analyses involved root-knot nematode species.

Nematodes of Special Interest

Nematodes of special interest detected and/or identified during November-December 2003:

Myrica cerifera (wax myrtle) - *Meloidogyne mayaguensis* Rammah and Hirschmann, 1988, a root-knot nematode. Extracted from roots of declining seedlings of this landscape ornamental bush. (Nassau County; N03-01429; Flewellyn W. Podris; October 29, 2003). The records of the Division of Plant Industry indicate that nematode infections of this root-knot nematode on wax myrtle stock plants are often undetected in Florida nurseries. Nematode-infected wax myrtle plants were found previously in a nursery and in a residential subdivision in Alachua County. This finding is a **NEW COUNTY RECORD**.

Ocimum sp. (basil) - *Meloidogyne mayaguensis* Rammah and Hirschmann, 1988, a root-knot nematode. Extracted from roots of a declining stand of this herb. (St. Lucie County; Jim J. Walukiewicz; N03-00922; June 24, 2003). Basil is grown in many small family nurseries of south Florida for production of fresh and aromatic leaves. *Meloidogyne mayaguensis* infections are perpetuated in these nurseries by using nematode-infected seedlings grown in infested seedbeds. This finding is a **NEW COUNTY RECORD**.

Solanum americanum (American black nightshade) - *Meloidogyne mayaguensis* Rammah and Hirschmann, 1988, a root-knot nematode. Extracted from roots of this native herbaceous plant. (Dade County; Ana L. Ochoa; N03-00550; April 11, 2003). The detection of *M. mayaguensis* on wax myrtle and American black nightshade suggests that native Florida plants harbor this root-knot nematode and are a source of nematode dissemination. This finding is a **NEW HOST RECORD**.

COLLECTORS SUBMITTING FIVE OR MORE SAMPLES THAT WERE PROCESSED FOR NEMATOLOGICAL ANALYSIS DURING NOVEMBER AND DECEMBER 2003:

Anderson, James L.....316	Podris, Flewellyn W..... 19
Barben, John9	Qiao, Ping 172
Echols, Janie M.....34	Robinson, William L 216
LeBoutillier, Karen W 493	Salisbury, Thomas L. 194
Looker, Sol F7	Stone, Carrie S. 127
Ochoa, Ana L.....340	Wheldon, Mark 5
Pate, JoAnn123	Wigelsworth, James R..... 45
	Zamora, Christine A..... 5

PLANT PATHOLOGY Compiled by Robert M. Leahy

For this period the Plant Pathology Section received and processed 1,553 specimens. These included 651 pathology, 22 miscellaneous, 11 soil samples. Full pathogenicity tests for citrus canker were performed on 860 from southeast Florida, one from central gulf coast of Florida, two from southwest coast of Florida and six from central Florida.

ORNAMENTAL, FOLIAGE PLANTS:

Gynura sp. (gynura) -- *Thielaviopsis basicola* (Berk. & Broome) Ferraris, **black root rot**: Collected at a nursery in Apopka, Orange County, (25 November 2003, Lance A. Brown, P2003-6642). NEW HOST RECORD.

ORNAMENTAL, FLOWERING PLANTS:

Brugmansia sp. (Angels trumpet) -- *Potyvirus* (unknown), **virus**: Collected at a dooryard in Ft. Pierce, St. Lucie County (1 December 2003; Chellemi, homeowner; P2003-6667). NEW HOST RECORD.

Passiflora sp. (passion flower) -- *Phaeoramularia* sp., **leaf spot**: Collected at a dooryard in Boynton Beach, Palm Beach County, (10 December 2003; Solis, homeowner; P2003-6728). NEW HOST RECORD.

WEEDS AND GRASSES:

Scirpus californicus (giant bulrush) -- *Cercospora scripina* J.J. Davis, **leaf spot**: Collected at a dooryard in Tavares, Lake County (4 December 2003; Moyer, homeowner; P2003-6619). NEW STATE RECORD.

NATIVE OR NATURALIZED:

Spermacoce verticillata (spermacoce) -- *Uromyces spermacoces* (Schwein.) M. A. Curtis, **leaf rust**: Collected at an airport in St. Lucie, St. Lucie County (20 November 2003; Kenneth L. Hibbard; P2003- 6552). NEW HOST RECORD.

FOREST AND SHADE TREES:

Chionanthus retusus (Oriental fringe tree) -- *Sclerotium coffeicola* Stahel, **leaf/stem blight**: Collected at a nursery in Hawthorn, Alachua County (29 October 2003; Christine A. Zamora; P2003-6192). NEW STATE RECORD.

Pachira aquatica (Guiana chestnut) -- *Phytophthora palmivora* (E. J. Butler) E. J. Butler, **leafblight**: Collected at a dooryard in Orlando, Orange County (29 September 2003; Terrence D. Williams; P2003-5811). NEW HOST RECORD.