

BOTANY SECTION

Compiled by Richard E. Weaver, Jr., Ph.D., and Patti J. Anderson, Ph.D.

For this period, 89 specimens were submitted to the Botany Section for identification, and 1,062 were received from other sections for identification/name verification for a total of 1,151. In addition, seven specimens were added to the herbarium. Some of the samples received for identification are discussed below:

Acer buergerianum Miq. (a genus of ca. 110 species of highly ornamental trees, widely distributed in the North Temperate Zone with a marked concentration in eastern Asia). Aceraceae (or Sapindaceae). **Trident maple**. This slow-growing, small to medium-sized tree is native to eastern China, but has long been cultivated in Japan and is sometimes erroneously reported to be native there. It grows to 10 m tall, often branching low to the ground and



Acer buergerianum
Photograph courtesy of Wikipedia
http://en.wikipedia.org/wiki/Acer_buergerianum

forming a rounded crown. The bark on mature trunks is scaly and mottled with shades of pale gray and brown, the scales sloughing off to reveal tints of orange. The leaves are distinctive, described as resembling a duck's feet. The blades are 4-6 cm long, glossy dark green above, three-nerved from the base and divided above the middle into three nearly equal, entire or unevenly serrulate, long-pointed lobes. The inconspicuous, greenish flowers appear with the leaves in the spring. The fruits are the "keys" typical of maples, with two samaras arranged end-to-end, each 2-3 cm long. The trident maple is adapted to cool climates and is not often planted in Florida. For that matter, it is not common in

cultivation in this country in general. Further north, its beautiful, late-season yellow to red autumn color, attractive bark and compact habit make this maple an excellent shade tree for a small property. These same attributes, in addition to its relatively small leaves, make it an outstanding subject for bonsai. The species is not included in the University of Florida, IFAS Assessment of Non-Native Plants in Florida's Natural Areas (IFAS Assessment), and the risk of its becoming invasive in Florida is minimal. (Duval County; B2008-742; Flewellyn W. Podris; 11 December 2008). (Dirr 1990; Mabberley 1997).

Jacquinia keyensis Mez (a genus of 35 species, occurring in the New World tropics and Florida). Theophrastaceae. **Joewood, cudjoe wood**. Usually no more than 3 m tall, this shrub or shrubby tree can reach 10 m in height with a diameter of 25 cm. Its smooth bark is gray. The oblong to obovate, leathery, alternate leaves have rounded to retuse tips and revolute margins. The leaf blade is 1-3 cm long



Jacquinia keyensis
Photograph courtesy of Atlas of Florida
Vascular Plants, <http://www.plantatlas.usf.edu>

and up to 1 cm wide. Fragrant, cream-colored to white flowers, usually no wider than 0.5 cm, are borne in short, terminal racemes. The fruits, about 1 cm in diameter, are hard, globose to subglobose berries that turn red-orange when ripe. This slow-growing shrub, listed as threatened in the Preservation of Native Flora of Florida Act, is a native plant of extreme South Florida, the Bahamas and the Greater Antilles. Its compact habit, fragrant flowers and ability to survive on the exposed limestone or sandy soils of coastal scrublands, dunes and maritime hammocks make it an ideal addition to beachfront landscapes. (Monroe County; B2008-774; Olga Garcia; 23 November 2008). (Correll and Correll 1982; Hammer 2004; <http://miamidade.ifas.ufl.edu/>).

Porophyllum ruderale (Jacq.) Cass. (a genus of 28 species native mainly from the southwestern United States through Mexico into Andean South America). Compositae (Asteraceae).

Yerba porosa, Bolivian coriander, papalo. This distinctive genus is closely related to the marigolds (*Tagetes*) and, like them, has highly aromatic foliage. The achenes or cypselae (“seeds”) of this species are almost identical to those of the garden marigolds. This is a bushy annual plant growing to about a meter tall, native to dry mountains in Arizona and New Mexico south to the Andes as well as the West Indies. The leaves are alternate or subopposite, with blades 2-4 cm long, elliptic or ovate with entire or undulate margins. The petioles are slender and about the same length as the blades. The narrow, 2-3 cm long flower heads are quite curious. They are usually borne singly on long peduncles, with only



Porophyllum ruderale

Photograph courtesy of Hugh D. Wilson
<http://botany.csd.tamu.edu>

five involucral bracts which, in fresh specimens, appear to be fused together into a tube, as are those of the marigolds; however, when they dry, the bracts of *Porophyllum ruderale* separate. The disc florets barely protrude from the involucre, resembling a small tuft of greenish or purplish fuzz. The plant is occasionally grown as a culinary herb, with a flavor like cilantro but more complex. It is easy to cultivate in full sun and well-drained soil. We have seen no reports that this species or any of its relatives are invasive. (Miami-Dade County; B2008-732; Olga Garcia; 2 November 2008). (Liogier 1997; Mabberley 1997).

Psychotria sulzneri Small (a genus of 800-1500 tropical species, a few of which are also native to subtropical Florida). Rubiaceae. **Shortleaf wild coffee, velvet-leaf wild coffee.** A shrub to 2 m tall, this Florida native plant has blue-green, opposite leaves, 8-15 cm long and up to 3 cm wide, with entire margins, acute to acuminate apices and prominent veins. The undersides of leaves are covered with dense, soft, short trichomes. Borne clustered in cymes, each flower has a calyx with five, tiny deltoid lobes and a greenish corolla. The fruit are red or orange drupes that are attractive to birds.



Psychotria sulzneri

Photograph courtesy of Atlas of Florida Vascular Plants <http://www.plantatlas.usf.edu>

Found throughout Central and South Florida, but not in the Keys, this species often grows in wetlands including hydric hammocks and pine flatwoods. Although several *Psychotria* species are known as “wild coffee” and are included in the Rubiaceae family along with *Coffea*, they are used medicinally, rather than as a beverage. The crushed leaves were used to staunch bleeding and to treat swelling, boils and other skin maladies. (Pinellas County; B2008-740; Linda G. McRay; 5 November 2008). (Austin 2004; Wunderlin and Hansen 2003).

Salicornia bigelovii Torr. (a genus of about 28 cosmopolitan species). Chenopodiaceae. **Annual glasswort, dwarf glasswort.** This small, succulent plant is native to Florida and grows along both coasts. It has been collected from Nassau County south to Miami-Dade and northward along the Gulf Coast to Wakulla County. The horizontal stems support jointed branches that are usually no more than 40 cm in height. The opposite leaves are inconspicuous scales that are fused to the upright branches of the glasswort. Turning red in late summer or fall, these plants add color to their brackish salt marsh and mudflat habitats. The tiny, bisexual flowers, embedded in succulent spikes 2-10 cm long, have no corollas and are possibly as inconspicuous as the leaves. The flowers occur in groups of three with the center flower, usually no more than 5mm by 6 mm, slightly larger than the two lateral ones. The seeds are brown and rich in oils. Studies investigating glasswort seeds for potential commercial use as animal feed and as a biodiesel crop have had promising results. This species and others in this genus have traditionally been used as medicines and food for humans. (Nassau County; B2008-770; Flewellyn W. Podris; 18 November 2008). (Austin 2004; Glenn *et al.* 1991; Mabberley 1997; <http://www.biodieselmagazine.com>; <http://www.efloras.org>).



Salicornia bigelovii (inset with fall color)
Photograph courtesy of Atlas of Florida Vascular
Plants <http://www.plantatlas.usf.edu>

Wrightia religiosa (Teijsm. & Binnend.) Benth. *in* Benth. & Hook. (a genus of 24 species in the Old World tropics). Apocynaceae. **Water jasmine.** This beautiful plant deserves to be more widely planted, but at present is relatively unknown in Florida. It appears to be a “safe” plant



Wrightia religiosa
Photograph courtesy of TopTropicals
<http://www.TopTropicals.com>

since it is not listed in the IFAS Assessment, and neither it nor any of its genus is recorded as being invasive as far as we can determine. This species is native to Southeast Asia and southern China and is a popular ornamental within its native range, especially in Thailand. The roots are also used as a treatment for skin diseases. In Asia, water jasmine forms a shrub to 3 m tall, but in Florida it is usually much shorter. The leaves are elliptic to oblong, to 7 cm long and 3 cm wide and generally deciduous in the winter, even in South Florida. The pure white, extremely fragrant, five-parted flowers are just less than 2.5 cm across and are borne in drooping cymes. As in many members of this family, the fruits are paired follicles;

in this species, they are slender and 15 - 23 cm long. At present, water jasmine is grown most often as a container plant in Florida, especially as a bonsai, but it is suitable for outdoor planting in southern Florida and the warmer parts of central Florida. Several cultivars of this species are available, including one with double flowers. (Seminole County; B2008-789; Charles A. Leggett; 5 December 2008). (Li *et al.* 1995; Mabberley 1997; <http://www.efloras.org>).

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ENTOMOLOGY SECTION

Compiled by Susan E. Halbert, Ph. D.

For the month of November, there were 666 samples, consisting of 22,364+ specimens. In December, there were 475 samples, consisting of 12,039 specimens. Some of the samples are listed below:

ORNAMENTALS, WOODY PLANTS, AND PALMS:

Calophyllum sp. (calophyllum, beauty-leaf)-- new species in the family Coccidae, **croton scale**:

A moderate infestation was found on three plants at a nursery in Miami (Miami-Dade County; E2008-7372; Ana L. Ochoa; 29 October 2008). NEW DPI HOST RECORD.

Cocos nucifera (coconut palm)-- *Raoiella indica* Hirst, **red palm mite**: A moderate infestation was found on 30 plants at a residence in Sugar Loaf Key (Monroe County; E2008-8331; William A. Thiel, USDA/APHIS/PPQ; 17 December 2008). NEW DPI COUNTY RECORD. The Monroe County record published earlier, E2008-3822, 16 June 2008, was found to be an erroneous record (Dr. W.C. 'Cal' Welbourn).

Erythrina variegata (coral tree, sunshine tree)-- *Quadrastichus erythrinae* Kim, **erythrina gall wasp**: A severe infestation was found on two plants at Valkaria Tropical Garden in Valkaria (Brevard County; E2008-7545; Angelina M.

Toral; 6 November 2008). NEW DPI COUNTY RECORD.

Ficus benjamina (weeping fig)-- *Singhiella simplex* (Singh), **fig whitefly**: A severe infestation was found at a residence in Alva (Lee County; E2008-7538; homeowner; 5 November 2008). NEW DPI COUNTY RECORD.

Ravenea rivularis (majesty palm)-- *Rhopalosiphum rufiabdominale* (Sasaki), **rice root aphid**: A slight infestation was found on one plant at a nursery in Delray Beach (Palm Beach County; E2008-7888; Ellen J. Tannehill; 7 November 2008). NEW DPI HOST RECORD.



Erythrina variegata showing damage from erythrina gall wasp. Photograph courtesy of Lyle J. Buss, University of Florida



Singhiella simplex
Photograph courtesy of J. Lotz, DPI

ORNAMENTALS, FLOWERING PLANTS:

Bougainvillea sp. (bougainvillea)-- *Mylokerus undecimpustulatus undatus* Marshall, **a weevil**: A slight infestation was found at a residence in St. Petersburg (Pinellas County; E2008-8135; Linda G. McRay; 5 December 2008). NEW DPI HOST RECORD.

Ixora coccinea (ixora, flame-of-the-jungle)-- *Mylokerus undecimpustulatus undatus* Marshall, **a weevil**: A slight infestation was found on a plant at a residence in St. Petersburg (Pinellas County; E2008-7783; Linda G. McRay; 17 November 2008). NEW DPI HOST RECORD.

Neomarica sp. (neomarica, walking iris)-- *Mylokerus undecimpustulatus undatus* Marshall, **a weevil**: A moderate infestation was found at a residence in St. Petersburg (Pinellas County; E2008-7884; Gabriela M. Bernard; 19 November 2008). NEW DPI HOST RECORD.

Rondeletia leucophylla (Panama rose)-- *Mylocerus undecimpustulatus undatus* Marshall, **a weevil**: A slight to moderate infestation was found at a residence in St. Petersburg (Pinellas County; E2008-7886; Gabriela M. Bernard; 19 November 2008). NEW DPI HOST RECORD.

FOOD AND CROP PLANTS:

Antidesma bunius (bignay, chinalaurel, currant tree)-- *Retithrips syriacus* (Mayet), **castor thrips**: A moderate infestation was found on a plant at The Kampong in Coconut Grove (Miami-Dade County; E2008-8241; Eduardo M. Varona and Karolynne M. Griffiths, USDA/APHIS/PPQ; 11 December 2008). NEW DPI HOST RECORD.

Cajanus cajan (pigeon pea, gandul, Congo bean)-- *Planchonia stentae* (Brain), **euphorbia pit scale**: A severe infestation was found on a plant at a residence in Miami (Miami-Dade County; E2008-7100; Olga Garcia; 21 October 2008). NEW DPI HOST RECORD.

Cnidocolus chayamansa (spinach tree, chaya)-- *Mylocerus undecimpustulatus undatus* Marshall, **a weevil**: A moderate infestation was found on a plant at a residence in Miami (Miami-Dade County; E2008-8034; Olga Garcia; 26 November 2008). NEW DPI HOST RECORD.

Lactuca sativa (lettuce, romaine lettuce, leaf lettuce)-- *Hippodamia sinuata crotchi* Casey, **a western United States lady beetle**: Specimens were intercepted on lettuce from California at a grocery distribution center in Lakeland (Polk County; E2008-7464; Daniel Merced; 5 November 2008).

Spondias dulcis (otaheite, ambarella, golden apple)-- new species in the family Coccidae, **croton scale**: A severe infestation was found on a plant at the Metro Zoo in Miami (Miami-Dade County; E2008-8144; Olga Garcia; 7 December 2008). NEW DPI HOST RECORD.

WEEDS AND GRASSES:

Cyperus sp. (sedge)-- *Oncopeltus cayensis* Torre-Bueno, **a seed bug**: A slight infestation was found on weeds at a tomato farm in Clewiston (Hendry County; E2008-8024; Linda Combs; 25 November 2008). NEW DPI COUNTY RECORD.

Dactyloctenium aegyptium (crowfoot grass)-- *Mylocerus undecimpustulatus undatus* Marshall, **a weevil**: A moderate infestation was found at a residence in St. Petersburg (Pinellas County; E2008-8167; Linda G. McRay; 8 December 2008). NEW DPI HOST RECORD.

Melaleuca quinquenervia (melaleuca, punktree, paperbark tree)-- *Boreioglycaspis melaleucae* Moore, **melaleuca psyllid**: A moderate infestation was found at E.G. Simmons Park in Ruskin (Hillsborough County; E2008-7737; Susan B. Youngblood; 17 November 2008). NEW DPI COUNTY RECORD.

Sapium sebiferum (Chinese tallow tree, popcorn tree)-- *Scirtothrips dorsalis* Hood, **chili thrips**: A moderate infestation was found on plants at the DPI facility in Gainesville (Alachua County; E2008-8140; Susan A. Wright, USDA/ARS, Gainesville; 9 December 2008). NEW DPI HOST RECORD.

Schinus terebinthifolius (Brazilian pepper tree, Florida holly)-- new species in the family Coccidae, **croton scale**: A slight infestation was found at a residence in Homestead (Miami-Dade County; E2008-8286; Juan M. Menendez Torres; 16 December 2008). NEW DPI HOST RECORD.

Stenotaphrum secundatum (St. Augustine grass)-- *Blissus insularis* Barber, **southern chinch bug**: A moderate to severe infestation was found at a residence in Flagler Beach (Flagler County; E2009-9; P. Karen Coffey; 29 December 2008). NEW DPI COUNTY RECORD.

NATIVE AND NATURALIZED PLANTS:

- Caesalpinia bonduc* (gray nicker)-- *Mylocerus undecimpustulatus undatus* Marshall, **a weevil**: A slight infestation was found at Grandview Park in St. Petersburg (Pinellas County; E2008-7881; Gabriela M. Bernard; 19 November 2008). NEW DPI HOST RECORD.
- Calyptanthus zuzygium* (myrtle-of-the-river)-- *Metaleurodicus griseus* (Dozier), **a whitefly**: A moderate infestation was found at a residence in Ramrod Key (Monroe County; E2008-8345; William A. Thiel, USDA/APHIS/PPQ; 15 December 2008). NEW DPI HOST RECORD.
- Capparis cynophallophora* (Jamaica caper tree)-- new species in the family Coccidae, **croton scale**: An infestation was found on plants at Roadway Park in Sanibel (Lee County; E2008-7932; Stephen H. Brown, Horticulture Agent, University of Florida, IFAS Extension, Lee County; 24 November 2008). NEW DPI HOST RECORD.
- Chamaesyce hypericifolia* (graceful sandmat, spurge)-- *Mylocerus undecimpustulatus undatus* Marshall, **a weevil**: A slight infestation was found at a residence in St. Petersburg (Pinellas County; E2008-7787; Linda G. McRay; 17 November 2008). NEW DPI HOST RECORD.
- Chiococca alba* (snowberry, West Indian milkberry)-- *Largus pallidus* Halstead, **a largid bug**: A slight infestation of both adults and nymphs was found on plants along a roadside in Long Key (Monroe County; E2008-7898; Olga Garcia; 23 October 2008). NEW DPI HOST RECORD.
- Chromolaena odorata* (jack-in-the-bush)-- *Dactylopius* sp., **a dactylopiid**: A moderate infestation was found on a plant at a residence in Miami (Miami-Dade County; E2008-7389; Olga Garcia; 31 October 2008). NEW DPI HOST RECORD.
- Chrysobalanus icaco* (coco plum, icaco)-- new species in the family Coccidae, **croton scale**: An infestation was found on plants at Roadway Park in Sanibel (Lee County; E2008-7933; Stephen H. Brown, Horticulture Agent, University of Florida, IFAS Extension, Lee County; 24 November 2008). NEW DPI HOST RECORD.
- Coccoloba diversifolia* (pigeon plum, tietongue)-- new species in the family Coccidae, **croton scale**: An infestation was found on plants at Roadway Park in Sanibel (Lee County; E2008-7931; Stephen H. Brown, Horticulture Agent, University of Florida, IFAS Extension, Lee County; 4 November 2008). NEW DPI HOST RECORD.
- Coccoloba uvifera* (seagrape)-- new species in the family Coccidae, **croton scale**: An infestation was found on plants at Roadway Park in Sanibel (Lee County; E2008-7927; Stephen H. Brown, Horticulture Agent, University of Florida, IFAS Extension, Lee County; 24 November 2008). NEW DPI HOST RECORD.
- Eugenia foetida* (Spanish stopper, boxleaf stopper)-- new species in the family Coccidae, **croton scale**: An infestation was found on plants at Roadway Park in Sanibel (Lee County; E2008-7926; Stephen H. Brown, Horticulture Agent, University of Florida, IFAS Extension, Lee County; 24 November 2008). NEW DPI HOST RECORD.
- Laguncularia racemosa* (white mangrove)-- *Mylocerus undecimpustulatus undatus* Marshall, **a weevil**: A slight to moderate infestation was found on plants at Grandview Park in St. Petersburg (Pinellas County; E2008-7879; Gabriela M. Bernard; 19 November 2008). NEW DPI HOST RECORD.

Lycium carolinianum (Christmas berry, Carolina desert-thorn)-- *Bactericera dorsalis* (Crawford), **a psyllid**: A severe infestation was found on a plant at The Kampong in Coconut Grove (Miami-Dade County; E2008-8234; Eduardo M. Varona and Karolynne M. Griffiths, USDA/APHIS/PPQ; 11 December 2008). NEW DPI COUNTY RECORD.

Sideroxylon foetidissimum (false mastic)-- new species in the family Coccidae, **croton scale**: An infestation was found at Roadway Park in Sanibel (Lee County; E2008-7929; Stephen H. Brown, Horticulture Agent, University of Florida, IFAS Extension, Lee County; 24 November 2008). NEW DPI HOST RECORD.

Sideroxylon tenax (tough bumelia) -- *Asphondylia bumelia* Felt, **a gall midge**: A severe infestation was found on a plant along a roadside in Miami (Miami-Dade County; E2008-8427; Olga Garcia; 23 December 2008). NEW DPI COUNTY RECORD.

Zanthoxylum fagara (wild-lime, lime prickly-ash)-- new species in the family Coccidae, **croton scale**: An infestation was found on plants at Roadway Park in Sanibel (Lee County; E2008-7935; Stephen H. Brown, Horticulture Agent, University of Florida, IFAS Extension, Lee County; 24 November 2008). NEW DPI HOST RECORD.



Galls of *Asphondylia bumelia* on *Sideroxylon tenax*
Photograph courtesy of G. J. Steck

FEDERAL AND STATE PLANT PROTECTION AND QUARANTINE PROGRAMS:

Gardenia jasminoides (gardenia)-- *Helix aspersa* Müller, **brown garden snail**: A slight infestation was found on two of 17 plants from California at a residence in Land O' Lakes (Pasco County; E2008-8261; Daniel Merced; 12 December 2008).

Podocarpus sp. (podocarpus)-- *Helix aspersa* Müller, **brown garden snail**: A slight infestation was found on two plants from California at a residence in Land O' Lakes (Pasco County; E2008-8320; Daniel Merced; 18 December 2008).

ARTHROPODS OF MEDICAL AND VETERINARY IMPORTANCE:

Loxosceles sp., probably *L. reclusa* Gertsch & Mulaik, **brown recluse spider**: A specimen was found in St. Petersburg, in association with boxes shipped from Tennessee (Pinellas County; E2008-7790; homeowner; 17 November 2008). The collector has multiple symptoms of brown recluse bites, including necrotic wound, scarlet fever-like rash on trunk and limbs and intense itching. Only one previous record is known from the Tampa/St. Petersburg area in Hillsborough County (Dr. G.B. Edwards).

ARTHROPOD DETECTION:

Acinia picturata (Snow), **a fruit fly**: A specimen was found in a Multi-Lure trap at a residence in Wellington (Palm Beach County; E2009-10; Thomas Foos, USDA/APHIS/PPQ; 31 December 2008). NEW DPI COUNTY RECORD. This species is a seed feeder on *Pluchea* species (Dr. Gary J. Steck).

Andrallus spinidens (Fabricius), **a predaceous stink bug**: A specimen was found at the DPI facility in Tampa (Hillsborough County; E2008-7541; Charles G. Davis and Howard L. Wallace; 7 November 2008). NEW DPI COUNTY RECORD.

Cacocharis albimacula Walsingham, **a tortricid moth**: Specimens were found in a Jackson trap in *Manilkara zapota* (sapodilla) at a residence in Miami (Miami-Dade County; E2008-7778;

- Sergio Delgado; 18 November 2008). NEW USA CONTINENTAL RECORD. This species feeds on *Phyllanthus*. It is from the Caribbean Basin and is not a pest (Dr. John B. Heppner).
- Chrysomya megacephala* (Fabricius), **a blow fly**: A specimen was found in a Jackson trap in *Mangifera indica* (Mango) at a residence in Orlando (Orange County; E2009-32; Janice DeJesus, USDA/APHIS/PPQ; 30 December 2008). NEW DPI COUNTY RECORD. This is an introduced species in North America. It is from the Old World tropics and subtropics (Dr. Gary J. Steck).
- Hibana decepta* (Banks), **ghost spider**: A specimen was found in a Multi-Lure trap in *Capsicum annuum* (pepper) at the Florida International University, North Campus, in North Miami Beach (Miami-Dade County; E2008-8247; Carlos M. Pelegrin; 11 December 2008). NEW DPI COUNTY RECORD. This species previously was known from Central America and from the Gulf States east to the panhandle of Florida (Dr. G.B. Edwards).
- Leptoglossus concolor* (Walker), **a leaffooted bug**: A specimen was collected in a Multi-Lure trap on *Eriobotrya japonica* (loquat, Japanese plum) at a residence in Delray Beach (Palm Beach County; E2008-8327; Eduardo Solis; 12 December 2008). NEW DPI COUNTY RECORD.
- Ochrinus mimulus* (Stål), **a seed bug**: A population was found at Withlacoochee State Forest (Hernando County; E2008-8359; John M. Leavengood, Jr., DPI/CAPS and Michael C. Thomas; 24 April 2008). NEW DPI COUNTY RECORD.
- Orius tristicolor* (White), **minute pirate bug**: A specimen was found on *Argusia gnaphalodes* (sea rosemary, sea-lavender) along a roadside in Marathon (Monroe County; E2008-7903; Olga Garcia; 23 October 2008). NEW DPI COUNTY RECORD. This predator is rarely collected in Florida, but we intercept it often in shipments from California. This sample was found on an endangered, Florida native plant (Dr. Susan E. Halbert).
- Orphinus fulvipes* Guerin-Memeville, **a dermestid beetle**: A slight infestation was intercepted in a box of sweet tamarind from Thailand found at a street vendor stall in Miami (Miami-Dade County; E2008-8424; Olga Garcia; 24 December 2008). This small hairy black beetle is a stored-products pest (Dr. Michael C. Thomas).
- Paramysidia mississippiensis* (Dozier), **a derbid planthopper**: A specimen was found in a Jackson trap in *Citrus x paradisi* (grapefruit) at a residence in Oviedo (Seminole County; E2008-7762; Victor Zeno, USDA/APHIS/PPQ; 12 November 2008). NEW DPI COUNTY RECORD. This is not a common bug (Dr. Susan E. Halbert).
- Phidippus audax* (Hentz), **bold jumping spider**: A specimen was found in red seedless grapes from California in Pinellas Park (Pinellas County; E2008-7854; Thomas S. Lastrapes; 21 November 2008). This species is native in most of the United States, except the Southwest. It was introduced into California and has become established there (Dr. G.B. Edwards).



Paramysidia mississippiensis. Wingspan ca. 10 mm.
Photograph courtesy of David C. Ziesk, DPI.

Shellenius schellenbergii (Kirby), **a derbid planthopper**: A specimen was found in a Jackson trap in Oviedo (Seminole County; E2008-7754; Victor Zeno, USDA/APHIS/PPQ; 13 November 2008). This is the second specimen for the Florida State Collection of Arthropods, FSCA. The species is known from Florida (Dr. Susan E. Halbert).

Spodoptera pulchella (Herrich-Schaffer), **an army worm**: A specimen was found in a Jackson trap in *Citrus sinensis* (sweet orange) at a residence in Cape Coral (Lee County; E2008-7873; Carmen Escalante, USDA/APHIS/PPQ; 20 November 2008). NEW DPI COUNTY RECORD.

Trigoniulus corallinus (Gervais), **a millipede**: Specimens were found at a residence in Clermont (Lake County; E2008-7621; Harry L. Morrison; 13 November 2008). NEW DPI COUNTY RECORD.



Shellenius schellenbergii. Insect is 7mm long.
Photograph courtesy of David C. Ziesk, DPI.

NEMATODOLOGY SECTION
Compiled by Janete A. Brito, Ph.D., and Jason D. Stanley, M.S.

A total of samples 2,118 (1,926 for morphological and 192 for molecular identifications) were processed in November – December 2008. Details are shown below:

<p>Certification and Regulatory Samples: Multistate Certification for National and International Export 1245 California Certification 419 Pre movement (Citrus Nursery Certification) 71 Site or Pit Approval (Citrus Nursery and Other Certifications) 32</p>	<p>Other Samples: Identifications (invertebrate) 3 Plant Problems 4 Intrastate Survey, Random 152 Molecular Identifications* 192</p> <p><small>*The majority of these analyses involved root-knot nematode species</small></p>
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Nematodes of Special Interest

Nematodes of special interest detected and/or identified in November-December 2008:

Neoregelia sp. (a bromeliad) – *Meloidogyne arenaria* (Neal, 1889) Chitwood, 1949, a **root-knot nematode** was found infecting the roots of this bromeliad (Orange County; N08-01401; Ping, Qiao; 29 October 2008). The root system was heavily infected with this nematode. Egg masses were observed on the root surface; however, root galling was not prominent.



Neoregelia sp.
 Photograph courtesy of Wikipedia
<http://en.wikipedia.org/wiki/File:Neoregelia-sp.jpg>

COLLECTORS SUBMITTING FIVE OR MORE SAMPLES THAT WERE PROCESSED FOR NEMATOLOGICAL ANALYSIS DURING NOVEMBER-DECEMBER 2008

Anderson, James L.	50	Ochoa, Ana L.	142
Bailey, Wayne W.	6	Pate, Jo Ann	56
Burgos, Frank A.	76	Qiao, Ping	143
Edenfield, Carrie S.	147	Robinson, William L	8
LeBoutillier, Karen W.	88	Spriggs, Charles L.	235

PLANT PATHOLOGY

Compiled by Robert M. Leahy

For this period, the Plant Pathology Section received and processed 1,696 specimens. These included 374 pathology, 295 citrus canker, 1,018 citrus greening, one bee, one water, five soil and two miscellaneous samples.

ORNAMENTALS, WOODY PLANTS AND PALMS:

Cephalotaxus harringtonia (Japanese plum-yew, Harrington's cephalotaxus) – *Pythium* sp., root rot: Collected at a nursery in Alachua County (20 November 2008, nursery employee, P2008-20453). NEW HOST RECORD

Gymnanthes lucida (crabwood; oysterwood) – *Xanthomonas* sp., leaf spot: Collected at a nursery in Miami-Dade County (28 October 2008, Lynn D. Howerton, P2008-19745). NEW HOST RECORD

Phoenix canariensis (Canary Island date palm) – *Fusarium oxysporum* f. sp. *canariensis*, Fusarium wilt: Collected at a nursery in Santa Rosa County (29 October 2008, William L. Robinson, P2008-19722).

ORNAMENTALS, FOLIAGE PLANTS:

Tillandsia sp. (bromeliad) – *Nigrospora oryzae*, leaf spot: Collected at a nursery in Lake County (20 November 2008, Lorrie R. Rigby, P2008-20647). NEW HOST RECORD

ORNAMENTALS, FLOWERING PLANTS:

Erysimum cheiri (wallflower) – *Phytophthora* sp., root rot: Collected at a nursery in Alachua County (10 December 2008, nursery employee, P2008-20978). NEW HOST RECORD

Tradescantia ohiensis (spiderwort) – *Entyloma commelinae* Vienn., Bourg., leaf smut: Collected at a nursery in Duval County (14 November 2008, Flewellyn W. Podris, P2008-20290). NEW STATE RECORD

Viola x wittrockiana (pansy) – *Thielaviopsis basicola*, black root rot: Collected at a nursery in Duval County (5 November 2008, Flewellyn W. Podris, P2008-19918).

FOOD AND CROPS:

Persea americana (avocado) – *Sphaceloma perseae*, scab: Collected at a nursery in Miami-Dade County (10 November 2008, Eduardo G. Camero, P2008-20041).

WEEDS AND GRASSES:

Urena lobata (Caesar weed) – *Drechslera gigantea*, leaf spot: Collected at a dooryard in Volusia County (10 December 2008, Stacey S. Simmons, P2008-21194).