DACS-P-00124 Volume 53, Number 3, May-June 2014

DPI's Bureau of Entomology, Nematology and Plant Pathology (the botany section is included in this bureau) produces TRI-OLOGY six times a year, covering two months of activity in each issue. The report includes detection activities from nursery plant inspections, routine and emergency program surveys, and requests for identification of plants and pests from the public. Samples are also occasionally sent from other states or countries for identification or diagnosis.



Hydrocotyle bowlesioides (largeleaf marshpennywort) Photograph courtesy of Forest and Kim Starr, wikipedia

Stachys officinalis (wood betony)
Photograph courtesy of Raffi Kojian,
wikipedia



flowers
Photograph courtesy of Eli+, wikipedia



Highlights

Hydrocotyle bowlesioides Mathias & Constance (largeleaf marshpennywort). Of the six species of Hydrocotyle found in Florida, this is the least common, having previously been reported from only a single location in Leon County. Native to Costa Rica and Panama, largeleaf marshpennywort has naturalized in parts of South America, Hawaii and New Zealand. This is only the fourth time the species has been documented from the continental United States, and the first time it has been found in a nursery setting. Previously, it has been reported from lawns in Thomasville, Georgia, and Tallahassee, Florida, and from an unspecified habitat (based on a herbarium specimen with limited data) in western Louisiana.

Aphelenchoides fragariae (Ritzema-Bos, 1890) Christie, 1932, the spring crimp nematode, was detected in leaves of Stachys officinalis (a plant known as wood betony, bishop's wort or common hedgenettle). Infestations of this foliar nematode on this ornamental have been known in Europe for more than 50 years, but it is not commonly found in the United States. A serious infestation of this nematode on S. officinalis was detected in a nursery in northwestern Florida.

Fusarium oxysporum f. sp. basilici (Fusarium wilt and canker of basil) was found on Ocimum basilicum (edible basil) in Stuart, Florida, at a hydroponic cultivation operation. Sweet basil is a relatively easily grown herb in the mint family that is widely cultivated both commercially and in home gardens. Among the most common recent problems with this crop are downy mildew, caused by Peronospora belbahrii, and bacterial leaf spot, caused by Pseudomonas cichorii. Fusarium wilt and canker caused by Fusarium oxysporum f. sp. basilici represents a third major disease of recent origin and is now one of the more serious diseases of this crop.

Nasuchus n. sp., an eriophyid mite, a new continental USA record. Many eriophyid species are leaf vagrants, and while they are phytophagous, they cause no apparent damage to their hosts. The only named species in this genus, N. pindobates, is a leaf vagrant on Geonoma gamiova (Arecana palm) in São Paulo, Brazil. The Florida record was also a leaf vagrant on Arecaceae, Serenoa repens (saw palmetto).

Aceria tournefortiae, an eriophyid mite, a new continental USA record. Many species in this genus form leaf galls and are considered economically important in their natural ranges. This species was described from the galls on *Tournefortia hirsutissima* (chiggery grapes) in Cuba. The Florida record was also from *T. hirsutissima*, a native plant that is found in Monroe, Collier and Hendry counties as well as much of the Caribbean region.

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How to cite Tri-ology:

Dixon, W.N. and P.J. Anderson. (Editors). year. Section. Tri-ology Volume(number): page. [date you accessed site] website address For example: Dixon, W.N. and P.J. Anderson. (Editors). 2012. Entomology section. Tri-ology 47(5): 8. [accessed July 5, 2013] http://www.freshfromflorida.com/content/download/12542/151552/triology_5101.pdf

Acknowledgements:

The editors would like to acknowledge the work of all those who contributed information and explanations by providing data, photographs or text and by carefully reading early drafts. We also thank Reid Carswell for his skillful use of web authoring tools to produce this report.

We welcome your suggestions for improvement of TRIOLOGY. Please feel free to contact me or <u>Dr. Patti Anderson</u> with your comments. <u>Dr. Wayne N. Dixon</u>, editor Assistant Director, DPI

Florida Department of Agriculture and Consumer Services • Adam H. Putnam, Commissioner



Botany Section

Compiled by Patti J. Anderson, Ph.D.

This section identifies plants for the Division of Plant Industry, as well as for other governmental agencies and private individuals. The Botany Section maintains a reference herbarium with over 11,000 plants and nearly 1,400 vials of seeds.

Some of the samples received for identification are discussed below:

Chenopodium ambrosioides L. (wormseed, Mexican tea, epazote), from a genus of about 100 mainly weedy species native to temperate areas. Chenopodiaceae (or more recently, Amaranthaceae; the species name is now considered a synonym of *Dysphania ambrosioides* (L.) Mosyakin & Clemants by some taxonomists). This is an annual or perennial taprooted herb, easily recognized by its strong fetid odor. The glandular stems are erect or ascending, to 1 m tall. Leaves are alternate, oblong to ovate or rhombic-lanceolate, to about 12 cm long and 6 cm broad (size reduced upward on the branches), sinuatedentate or sinuate-pinnatifid, and may be copiously dotted with resinous, yellow glands. The inflorescences are compact clusters on glandular spikes. Flowers are sessile, greenish, with five sepals, no petals, five stamens and two stigmas. The crushed whole plant, flower spikes, seeds, and seed oil have been widely employed by the native people of the Americas for combating intestinal parasites and many other ailments. Oil of *Chenopodium* (sometimes called Baltimore oil) was sold as a treatment for hookworms and ascarids in humans, cats, dogs, horses and pigs in the early 1900s. In some countries, the plant continues to be used treat worm infections in non-ruminant animals and humans. Unfortunately, the dose needed to treat parasites is similar to the amount that can cause intestinal distress, and the plant extracts are not as effective as other commonly used anthelmintics. Mayans used the leaves as a spice, and it continues to be used for seasoning food in Mexico and Guatemala. An infusion of the leaves is a popular herbal tea in Mexico, Germany and the West Indies. Native to North and South America and established throughout tropical and warm regions of the world, this species is found in almost all Florida counties. (Miami-Dade County; B2014-423; Jake M. Farnum; 4 June 2014 and Orange County; B2014-482; Dr. Belainesh Desta, Division of Animal Industry; 16 June 2014.) (Bryson and DeFelice 2009; Correll and Correll 1982; Morton 1981; http://www.ansci.cornell.edu/plants/medicinal/epazote.html [accessed 2014 July 9].)

Hydrocotyle bowlesioides Mathias & Constance (largeleaf

marshpennywort), from a cosmopolitan genus of approximately 200 species. Araliaceae (traditionally placed in the Umbelliferae/Apiaceae). This low-growing, herbaceous groundcover has five-lobed leaves to 5 cm wide, with a deep basal sinus extending to the petiole. Both surfaces of the leaf are hirsute (covered with stiff, uniseriate hairs), and the hairs are frequently crowded at the juncture of the leaf blade and petiole, giving it a conspicuously fuzzy appearance. The inflorescences are simple, axillary umbels borne on slender peduncles 3 to 15 mm long. Individual flowers are white with pink fringe on the outer edge. The tiny (1.5 mm wide) fruit are ribbed and minutely hispid or slightly granular with a persistent style. Of the six species of *Hydrocotyle* found in Florida, this is the least common, having previously been reported from only a single location in Leon County. Native to Costa Rica and Panama, largeleaf marshpennywort has naturalized in parts of South America, Hawaii and New Zealand. This is only the fourth time the species has been documented from the continental United States, and the first time it has been found in a nursery setting. Previously, it has been reported from lawns in Thomasville, Georgia, and Tallahassee, Florida, and from an unspecified habitat (based on a herbarium specimen with

Sample Submissions

	May June	Year to date
Samples submitted by other DPI sections	1,394	3,920
Samples submitted for botanical identification only	222	513
Total samples submitted	1,616	4,433
Specimens added to the herbarium	64	137



Chenopodium ambrosioides (wormseed, Mexican tea, epazote)
Photograph courtesy of Dennis Girard, Atlas of Florida Vascular
Plants https://florida.plantatlas.usf.edu/Photo.aspx?id=14254



Hydrocotyle bowlesioides (largeleaf marshpennywort)
Photograph courtesy of Forest and Kim Starr http://luirig.altervista.
org/cpm/albums/bot-hawaii16/07844-Hydrocotyle-bowlesioides.jpg





Hydrocotyle bowlesioides (largeleaf marshpennywort)
Photograph courtesy of Loran Anderson, Atlas of Florida Vascular
Plants http://florida.plantatlas.usf.edu/Photo.aspx?id=15792



Passiflora foetida (fetid passionflower, running pop, love-in-a mist), flower

Photograph courtesy of Allen Boatman, Atlas of Florida Vascular Plants http://florida.plantatlas.usf.edu/Photo.aspx?id=15792



 ${\it Passiflora\ foetida\ } (fetid\ passion flower,\ running\ pop,\ love-in-amist),\ bracts$

 $Photograph\ courtesy\ of\ Allen\ Boatman,\ Atlas\ of\ Florida\ Vascular\ Plants\ \ \ \, \\ \ \ \, \frac{http://florida.plantatlas.usf.edu/Plant.aspx?id=1740}{http://florida.plantatlas.usf.edu/Plant.aspx?id=1740}$



Rayjacksonia phyllocephala (camphor daisy, Gulf Coast camphor-daisy), flower

Photograph courtesy of Bob Upcavage, Atlas of Florida Vascular Plants http://florida.plantatlas.usf.edu/Photo.aspx?id=13662

little data) in western Louisiana. In this case, largeleaf marshpennywort was found growing in potted *Dracaena* plants, which had been imported without soil from Costa Rica. It seems likely that the tiny seeds were introduced on the *Dracaena* leaves or stems. The other five species of *Hydrocotyle* found in Florida, four of which are native, typically occur on wet sites such as marshes, floodplain forests, and pond and lake margins. Two species, *Hydrocotyle bonariensis* and *Hydrocotyle umbellata*, both colloquially known as dollarweed, are common weeds in well-irrigated lawns and other wet, disturbed sites. (St. Lucie County; B2014-474; Dagne A. Vasquez; 17 June 2014.) (Ecroyd 2010; Thornhill and Krings 2012.) (Written by Marc S. Frank.)

Passiflora foetida L. (fetid passionflower, running pop, love-in-a mist), from a genus of about 430 species from tropical and warm regions. Passifloraceae. Native to Texas and Arizona, Mexico, the Caribbean, Central and South America, this weedy species is found on roadsides, disturbed sites, waste areas, riparian habitats, forests and coastal areas in tropical and sub-tropical regions, including seven counties of south and central peninsular Florida. This is a quite variable species with many varieties found over its range. The fetid passionflower is a climbing or scrambling vine with dense, viscous hairs extending over most plant parts and is malodorous when crushed. The alternate, membranous leaves are usually three-lobed, sometimes five-lobed, occasionally entire and 3-11 cm long. Petioles have no glands, unlike those of many passionflowers. Tendrils grow from the bases of the leaves. Flowers are 3-5 cm across, with three showy, finely fringed, glandtipped bracts and corollas that vary from pinkish to white or purplish. The calyx is whitish to ivory with green streaks. The fruit is yellow, orange or red when ripe, 1.5-4 cm long and partially enclosed by persistent, viscous floral bracts. (Orange County; B2014-301; Ricardo E. Lopez, USDA; 1 May 2014 and Palm Beach County; B2014-429; Frank A. Burgos; 10 June 2014.) (Huxley1992; http://keyserver.lucidcentral.org/weeds/data/03030800-0b07-490a-8d04-0605030c0f01/media/Html/Passiflora_foetida.htm [accessed 2014 July 10].)

Rayjacksonia phyllocephala (DC.) R. L. Hartman & M. A. Lane (camphor daisy, Gulf Coast camphor-daisy), from a genus of three North American species. Compositae. Known as Haplopappus phyllocephalus DC. until fairly recently (1996), this unusual sounding genus is now named for Ray Jackson (Raymond Carl Jackson, 1928-2008, botanist and plant geneticist). The plant is usually considered an annual, but can grow as a perennial, to 1 m tall with a white pubescent stem and has a tap root that can become woody. The alternate leaves are sessile to subpetiolate with oblong to oblanceolate blades and coarsely serrate (with widely separated teeth) margins that for Florida populations have bristle-tipped teeth. Crushed leaves are emit a camphor odor, suggesting the common name. The inflorescences are often surrounded by leaves or leaf-like pedunular bracts that continue to base of the heads. Both ray and disc florets are yellow. At first glance, this beach-dwelling species can be mistaken for Borrichia frutescens, the sea-oxeye daisy, but that species has opposite, not alternate, leaves with entire, not spinulose serrate margins. Although it can be a common plant through most of its native range in dunes. salt flats, pinelands and dry fields in Mexico, Colorado, Texas and Louisiana, in Florida, it is found in only a few coastal counties (Levy, Pasco to Sarasota, Lee and Monroe (Keys) counties) in dunes and open coastal areas. (Pinellas County; B2014-471; Linda G. McRay; 17 June 2014.) (Hammer 2004; Lane and Hartman 1996; Nesom et al. 2013; http://www.efloras.org/florataxon. aspx?flora_id=1&taxon_id=250067438 [accessed 2014 July 17]; http://lee.ifas. ufl.edu/Hort/GardenPubsAZ/Camphor daisy Rayjacksonia phyllocephala. pdf [accessed 2014 July 15]; http://txmarspecies.tamug.edu/vegdetails. cfm?scinameID=Rayjacksonia%20phyllocephala [accessed 2014 July 15].



References

Bryson, C. T. and M. W. DeFelice. 2009. Weeds of the south. University of Georgia Press, Athens, Georgia. 468 p.

Correll, D. S. and H. B. Correll. 1982. Flora of the Bahama Archipelago. J. Cramer, Hirschberg, Germany. 1,692 p.

Ecroyd, C.E. 2010. *Hydrocotyle bowlesioides* (Araliaceae/Apiaceae), a new naturlised plant in New Zealand. New Zealand Journal of Botany 45: 479-484.

Hammer, R. 2004. Florida Keys wildflowers: a field guide to wildflowers, trees, shrubs, and woody vines of the Florida Keys. Falcon Press, Guilford, Connecticut. 231 p.

Lane, M. A. and R. L. Hartman. 1996. Reclassification of North American *Haplopappus* (Compositae: Astereae) completed: *Rayjacksonia* gen. nov. American Journal of Botany 83: 356–370.

Morton, J. F. 1981. Atlas of medicinal plants of Middle America: Bahamas to Yucatan. Charles C. Thomas Publisher, Ltd., Springfield, Illinois. 1,420 p.

Nesom, G.L., D.J. Rosen and S.K. Lawrence. 2013. Notes on variation and geography in *Rayjacksonia phyllocephala* (Asteraceae: Astereae). Phytoneuron 2013-53: 1–15.

Thornhill, R.W. and A. Krings. 2012. Discovery of *Hydrocotyle bowlesioides* (Araliaceae) in Louisiana. Journal of the Botanical Research Institute of Texas 6: 283-285.



Rayjacksonia phyllocephala (camphor daisy, Gulf Coast camphor-daisy), leaf

Photograph courtesy of James Rodwell, Atlas of Florida Vascular Plants http://florida.plantatlas.usf.edu/Photo.aspx?id=15948



Sample/Specimen Submissions

Мау	
Samples Submitted	857
Specimens Identified	9,282
June	
Samples Submitted	753
Specimens Identified	10,803
Year to Date	
Samples Submtted	4,496
Specimens Identified	84,476



Tournefortia hirsutissima (chiggery grapes)
Photograph courtesy of Keith Bradley, Atlas of Florida Vascular
Plants http://florida.plantatlas.usf.edu/Photo.aspx?id=13939



Araneus gadus, an orbweaver Photograph courtesy of G. B. Edwards, DPI



Arhyssus parvicornis, a scentless plant bug Photograph courtesy of Paul E. Skelley, DPI, and Vince Golia, FSC A

Entomology Section

Compiled by Susan E. Halbert, Ph.D.

This section provides the division's plant protection specialists and other customers with accurate identifications of arthropods. The entomology section also builds and maintains the arthropod reference and research collection (the Florida State Collection of Arthropods with over 9 million specimens), and investigates the biology, biological control and taxonomy of arthropods.

Aceria tournefortiae, an eriophyid mite, a new continental USA record. Many species in this genus form leaf galls and are considered economically important in their natural ranges. This species was described from the galls on *Tournefortia hirsutissima* (chiggery grapes) in Cuba. The Florida record was also from *T. hirsutissima*, a native plant that is found in Monroe, Collier and Hendry counties as well as much of the Caribbean region. Many eriophyid mites are very host specific, and *A. tournefortiae* probably is found throughout the host range. (Miami-Dade County; E2014-3105; Olga Garcia and Frank A. Burgos; 7 May 2014.) (Dr. W. C. 'Cal' Welbourn.)

Nasuchus n. sp., an eriophyid mite, a new continental USA record. Many eriophyid species are leaf vagrants, and while they are phytophagous, they cause no apparent damage to their hosts. The only named species in this genus, *N. pindobates*, is a leaf vagrant on *Geonoma gamiova* (Arecana palm) in São Paulo, Brazil. The Florida record was also a leaf vagrant on Arecaceae, *Serenoa repens* (saw palmetto). It is not expected to be a significant plant pest. (Brevard County; E2014-2653; W. C. 'Cal' Welbourn, Megan R. Lynch, Anthony P. Gubler, Kyle E. Schnepp, James E. Hayden, Jeanie P. Kennedy and Marc S. Frank; 7 May 2014.) (Dr. W. C. 'Cal' Welbourn.)

Callyntrotus schlechtendali, the rose rust mite, a new Florida state record. This eriophyid is a lower leaf vagrant on Rosa spp. Feeding may cause some rusting, but according to Keifer (1952), the damage does not attract attention and is easily overlooked. The mites leave characteristic white streaks consisting of skin castings on the leaves. At low population levels, the mite is not easily detected. (Alachua County; E2014-3113; Cheryl A. Jones; 9 May 2014.) (Dr. W. C. 'Cal' Welbourn.)

Araneus gadus, an orbweaver, a new Florida state record. This species is one of the least common of a group of colorful small orbweavers distributed over eastern North America. Its previous known range is from Arkansas to New England, with the southernmost record from western central Alabama. This record represents a considerable range extension (Escambia County; E2014-3407; Johanna K. Welch and Randal E. St. Louis; 15 May 2014.) (Dr. G. B. Edwards.)

Arhyssus parvicornis, a scentless plant bug, a new Florida state record. This is the tiniest species in the genus. It is widespread in the western United States and ranges into Central America. This species is not likely to become a pest. (Palm Beach County; E2014-3521; Vince Golia, Florida State Collection of Arthropods Research Associate; 9 July 2009.) (Dr. Thomas J. Henry, USNM, and Dr. Susan E. Halbert.)

Limataphalara brevicephala, a psyllid, a significant find. This psyllid was rediscovered after about a decade. It is rare and apparently restricted to Ocotea coriacea (lancewood). (Collier County; E2014-2836; Scott D. Krueger and Susan E. Halbert; 22 April 2014.) (Dr. Susan E. Halbert.)



References

Keifer, H. H. 1952. The eriophyid mites of California (Acarina: Eriophyidae). Bulletin of the California Insect Survey. 20(1): 1-123.

Baranowski, R. M. and J. A. Slater. 1986. Coreidae of Florida (Hemiptera: Heteroptera). Arthropods of Florida and Neighboring Land Areas. Vol. 12. Florida Department of Agriculture and Consumer Services. Contribution No. 630 Bureau of Entomology. 82 p.



Limataphalara brevicephala, a psyllid (adult)
Photograph courtesy of Lyle J. Buss, University of Florida

Entomology Specimen Report

Following are tables with entries for records of new hosts or new geographical areas for samples identified in the current volume's time period as well as samples of special interest. An abbreviated table, with all the new records, but less detail about them, is presented in the body of this web page and another version with more complete data is downloadable as a PDF or an Excel spreadsheet.

The tables are organized alphabetically by plant host if the specimen has a plant host. Some arthropod specimens are not collected on plants and are not necessarily plant pests. In the table below, those entries that have no plant information included are organized by arthropod name.



Limataphalara brevicephala, a psyllid (colony)
Photograph courtesy of Lyle J. Buss, University of Florida

Emerator heritory Country Coun	Plant Name	Plant Common Name	Arthropod Common Name		County	Records
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messate mess	Bauhinia sp.		Mononychellus planki	a spider mite	Brevard	HOST
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malberry pages Phythonydas pervalus emydid By Palm Beach COUNTY Cedrela adurenta Spanish cedar Mastigmus erustii cedela popilid Mani-Dade SIGNIFICANT FIND Chromo medivia cocoplum, icaco Detandryinus atriventria parasilie wasp Miani-Dade COUNTY Cichorium endivia endive, estarole, frisee Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Cichorium endivia endive, estarole, frisee Nanomoria richniger currant-lettuce aphid Escambia INTERDICTION INTERCEPTION Cichorium endivia endive, estarole, frisee Nanomoria richniger currant-lettuce aphid Sarasola RIGULATORY INCIDINT Cichorium endivia endive, estarole, frisee Nanomoria richniger currant-lettuce aphid Sarasola RIGULATORY INCIDINT Cichorium endivia endive, estarole, frisee Nanomoria richniger currant-lettuce aphid Sarasola RIGULATORY INCIDINT Cichorium endivia endive, estarole, frisee Nanomoria richniger currant-lettuce aphid Sarasola RIGULATORY INCIDINT Cichorium endivia endive, estarole, frisee Nanomoria richniger currant-lettuce aphid Sarasola RIGULATORY INCIDINT Cicron a uranticum oaut orange Ora ducoidea a scirid baede Pinellas COUNTY Circum a prandist grupefruit Procedigatales pameripomoria a bee thy De Soto COUNTY Circum a prandist grupefruit Triconia simplex a plant-looper Hill-borruph Circum a prandist grupefruit Triconia simplex a plant-looper Hill-borruph Circum a prandist curdon, articloke, globe articloke, Plantificatory a cocidi By Browd COUNTY Coccolaba usifiera sagrape Circum a prantis sagrape Mani-Dade Soriil Controlaba usifiera sagrape Soriin Common Soriin Controlaba usifiera sagrape Soriin	Cakile edentula	American searocket	Hellula phidilealis	a crambid moth	Brevard	HOST
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Cherom endivia endive, escarole, finee Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Ceborium endivia endive, escarole, finee Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Ceborium endivia endive, escarole, finee Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Ceborium endivia endive, escarole, finee Automovia ribinigri currant-lettuce aphid Escambia INTERDICTION INTERCEPTION Ceborium endivia endive, escarole, finee Nationavia ribinigri currant-lettuce aphid Sarasota REGILATORY INCIDENT Cichorium endivia endive, escarole, finee Nationavia ribinigri currant-lettuce aphid Savanine INTERDICTION INTERCEPTION Cichorium endivia endive, escarole, finee Nationavia ribinigri currant-lettuce aphid Savanine INTERDICTION INTERCEPTION Cicros auruntium sour erange Ora discolida a scirid beetle Picila COUNTY Citrus a paradatis grapefinut Truchyderes mandibularis a loophon beetle Picila COUNTY Citrus x paradatis grapefinut Processiognatis punctiponnis a bee fly De Sotu COUNTY Citrus x paradatis grapefunt Thomas simplex a planthopper Hillisborough COUNTY Coccoloba avifera seagrape Concolopativa austoni a eccid fly Breward COUNTY Coccoloba avifera seagrape Sciriotarips coccolobate sea grape thrips Mami-Dade Significant FIND Concora turbification air potato, postato yam, air yam Spartocera batiasas giant sweet pontato long Indian River COUNTY Errobotrya japonica loqual, Japanese plum Lapettiana mordax a ghost spider Lee COUNTY Errobotrya japonica loqual, Japanese plum Undetermined minute pirate bug Lee COUNTY Errobotrya japonica loqual, Japanese plum Undetermined minute pirate bug Lee COUNTY Errobotrya japonica loqual, Japanese plum Undetermined minute pirate bug Lee COUNTY Errobotrya japonica loqual, Japanese plum Undetermined minute pirate bug Lee COUNTY Errobotrya japonica loqual, Japanese plum Undetermined minute pirate bug Lee COUNTY Errobotrya japonica loqual, Japanese plum Undetermined minute pirate bug Indian River COUNTY Errobotr	Carica papaya	papaya	Phyllomydas parvulus	a mydid fly	Palm Beach	COUNTY
Cechorium endivia endive, escarole, frisee Autographa californica slafalla looper Escambia INTERDICTION INTERCEPTION Cichorium endivia endive, escarole, frisee Debaccephala facinervosas a lashopper Sisambia INTERDICTION INTERCEPTION Cichorium endivia endive, escarole, frisee Nasonovia ribinigri curant-lettuce aphid Sambia INTERDICTION INTERCEPTION Cichorium endivia endive, escarole, frisee Nasonovia ribinigri curant-lettuce aphid Sambia INTERDICTION INTERCEPTION Cichorium endivia endive, escarole, frisee Nasonovia ribinigri curant-lettuce aphid Suvannee INTERDICTION INTERCEPTION Cicros acuratium sout orange Ora discordea a settid beetle Pinellas COUNTY Citrus rentendata tangerine, mandarin Trachysleres mandibularis a longborn beetle Polk COUNTY Citrus x paradisi grapefruit Thionia simplex a plant-topper Ililiborough COUNTY Citrus x paradisi grapefruit Thionia simplex a plant-topper Ililiborough COUNTY Coccoloba urifera saggrape Conodaceptinania wasoni a secial fly Brevard COUNTY Coccoloba urifera saggrape Coccoloba u	Cedrela odorata	Spanish cedar	Mastigimas ernstii	cedrela psyllid	Miami-Dade	SIGNIFICANT FIND
Cichorium endivia endive, escarole, frisee Deltocephalus fuscinervosus a leathopper Escambia INTERDICTION INTERCEPTION Cichorium endivia endive, escarole, frisee Nasonovia ribisingri curanti-lettuce aphid Escambia INTERDICTION INTERCEPTION Cichorium endivia endive, escarole, frisee Nasonovia ribisingri curanti-lettuce aphid Sanasota REGULATORY INCIDENT Curonic endivia endive, escarole, frisee Nasonovia ribisingri curant-lettuce aphid Savanaca INTERDICTION INTERCEPTION Circus auruntium sour orange Ora discoidea a scritid beetle Pinellas COUNTY Circus curanticulus tangerine, mandarin Trachyderva sanafibilaris a longhorn beetle Polk COUNTY Circus auruntium grapatisi grapefruit Procediognathus punctiperunis a beetly De Sodo COUNTY Circus a prandasi grapefruit Thionia simplex a planthopper Hillsborough COUNTY Coccoloba urifera seagrape Cenodactylonia watsoni a cecid fly Brevard COUNTY Coccoloba urifera seagrape Scrirathrips coccolobae sa grape trap Mann-Dade Sicintifica Air polato, polato yam, air yam Spartocera batatas giant sweet polato bug Indian River COUNTY Eriobatiya japonica loquat, Japanese plum Cyriocquisus caligineus a plant bug Hendry COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum Undetermined mute pirate bug Lee COUNTY Eriobatiya japonica loquat, Japanese plum U	Chrysobalanus icaco	cocoplum, icaco	Deinodryinus atriventris	parasitic wasp	Miami-Dade	COUNTY
Cichorium endivia endive, escarole, frisee Nasonovia ribinigri currant-lettuce aphid Sarasota REGULATORY INCIDENT Cichorium endivia endive, escarole, frisee Nasonovia ribinigri currant-lettuce aphid Sarasota REGULATORY INCIDENT Cichorium endivia endive, escarole, frisee Nasonovia ribinigri currant-lettuce aphid Sarasota REGULATORY INCIDENT Cichorium endivia endive, escarole, frisee Nasonovia ribinigri currant-lettuce aphid Sarasota REGULATORY INCIDENT Cicros reticulata endive, escarole, frisee Nasonovia ribiningri currant-lettuce aphid Sarasota REGULATORY INCIDENT Cicros reticulata tangerine, mandarin Trachyderes mandibularis a longhom beetle Pinellas COUNTY Citrus x paradist grapefruit Poecetognathas punctipannis a bee fly De Soto COUNTY Citrus x paradist grapefruit Poecetognathas punctipannis a bee fly De Soto COUNTY Coccoloba urifera seagrape Cicenoducyfomia vatsoni a cecid fly Brevard COUNTY Coccoloba urifera seagrape Sciriothirpis occolobae sa grape thrips Maint-Dade SiGNIFICANT FIND Cynara curdunculus cardoon, artichoke, globe artichoke Cynara curdunculus Cardoon, artichoke, globe artichoke Cynara curdunculus Cardoon, artichoke, globe artichoke Cynara curdunculus Cardoon, artichoke, globe artichoke Cardoon, artichoke, globe artichoke plum moth Escambia Internative COUNTY Eriobatrya japonica loquat, Japanese plum Cyrtocapsus caligneus Lapetitian mordus Lapetitian	Cichorium endivia	endive, escarole, frisee	Autographa californica	alfalfa looper	Escambia	INTERDICTION INTERCEPTION
Chorium endivia endive, escarole, frisee Nasonoria ribisnigri currant-lettuce aphid Survannee INTERDICTION INTERCEPTION Cickorium endivia endive, escarole, frisee Nasonoria ribisnigri currant-lettuce aphid Survannee INTERDICTION INTERCEPTION Citrus aurantium sour orange Ora discoidea a sciritid beele Pinellas COUNTY Citrus reticulata tangerine, mandatin Trachyderes mandibularis a longhorn beetle Polk COUNTY Citrus reticulata tangerine, mandatin Trachyderes mandibularis a longhorn beetle Polk COUNTY Citrus x paradisi grapefruit Pocciognatius punctipennis a bee fly De Son COUNTY Citrus x paradisi grapefruit Tritoria simplex a planthopper Hilbsborough COUNTY Coccoloba urifera seagrape Cenodactylonita watsoni a cecid fly Brevard COUNTY Coccoloba urifera seagrape Sciriorings occolobae sea grape thips Minni-Dade Significant Trino Coccoloba urifera seagrape Sciriorings occolobae sea grape thips Minni-Dade Significant Trino Coccoloba urifera seagrape Sciriorings occolobae sea grape thips Minni-Dade Significant Trino Coccolobae urifera seagrape Sciriorings occolobae sea grape thips Minni-Dade Significant Trino Coccolobae urifera seagrape Sciriorings occolobae sea grape thips Minni-Dade Significant Trino Coccolobae urifera sea protection protection occolobae urifera sea grape thips Minni-Dade Significant Trino Trino Trino Tritorio Trit	Cichorium endivia	endive, escarole, frisee	Deltocephalus fuscinervosus	a leafhopper	Escambia	INTERDICTION INTERCEPTION
Citrus aurantium sour orange Ora discoidea a scirid beetle Pinellas COUNTY Citrus aurantium sour orange Ora discoidea a scirid beetle Polk COUNTY Citrus aurantium sour orange Ora discoidea a scirid beetle Polk COUNTY Citrus aurantium policy provided a scirid beetle Polk COUNTY Citrus aurantium Poecilognanhus punctipennis a bee fly Do Soto COUNTY Citrus aurantium Poecilognanhus punctipennis a planthopper Hillsborough COUNTY Coccoloba uvifera Seagrape Cienoidacyionia watsoni a cecid fly Brevard COUNTY Coccoloba uvifera Seagrape Cienoidacyionia watsoni Comara cardunculus curdoon, artichoke, globe artichoke Pinepinia carduidacyia aritchoke plume moth Essambia Distriction interception Discocrea bubbifera iir potato, potato yam, air yam Sparrocera batatas Guati, Japanese plum Cortocapsus cardingnus a plant bug Ilendry COUNTY Eriobotrya japonica loquat, Japanese plum Lupeitiana mordax a ghost spider Lee COUNTY Eriobotrya japonica loquat, Japanese plum Odottomera ferruginea a richardiid fly Hadee COUNTY Eriobotrya japonica loquat, Japanese plum Odottomera ferruginea a richardiid fly Hadee COUNTY Eriobotrya japonica loquat, Japanese plum Odottomera ferruginea a richardiid fly Hadee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined Initra bug Lee COUNTY Fragaria x amanassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Dostrore Dostrore Pinnaspis acpidistrae Frem seale Indian River IOST Juniperus sp. Lacinea sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon laciticae lettuce aphid Escambia INTERDICTION INTERCEPTION INTERCETION INTERCEPTION Interdiction INTERCEPTION INTERCEPTION INTERCEPTION INTERCEPTION INTERCEPTION INTERCEPTION INTERCEPTION INTERCEPTION INTE	Cichorium endivia	endive, escarole, frisee	Nasonovia ribisnigri	currant-lettuce aphid	Escambia	INTERDICTION INTERCEPTION
Citrus aurantium sour orange Ora discoidea a scirtid beetle Pinellas COUNTY Citrus reticulata tangerine, mandarin Trachyderes mandibularis a longhorn beetle Polk COUNTY Citrus reticulata grapefruit Prociognathus punctipennis a bee fly De Soto COUNTY Citrus x paradisi grapefruit Prionia simplex a planthopper Hillsborough COUNTY Cicros x paradisi grapefruit Prionia simplex a planthopper Hillsborough COUNTY Coccoloba uvifera seagrape Ctenodacy/fomia watsoni a ceeid fly Brevard COUNTY Coccoloba uvifera seagrape Sciritahrips coccolobae sea grape thrips Mani-Dade SiGNIFICANT FIND Cymara cardimeulus cardoon, artichoke, globe artichoke Planytilia cardiadacy/la artichoke plume moth Escambia INTERDICTION INTERCEPTION Dioscorea bulbi/era air potato; potato yam; air yam Spartocera batatas giant sweet potato bug Indian River COUNTY Eriobotrya japonica loquat, Japanese plum Cyrtocapsus caligineus a plant bug Hendry COUNTY Eriobotrya japonica loquat, Japanese plum Lupettiana mordax a ghost spider Lee COUNTY Eriobotrya japonica loquat, Japanese plum Odontomera ferriginea a richardiid fly Hardee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Eriobotrya japonica coral tree: sunshine tree Ojuadrastichus erythrinae erythrina gall wasp Hendry COUNTY Erythrina variegata coral tree: sunshine tree Ojuadrastichus erythrinae erythrina gall wasp Hendry COUNTY Erionacia va onanassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Primacylis aspidistrae fem scale asiiva lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica aleafhopper Escambia INTERDICTION INTERC	Cichorium endivia	endive, escarole, frisee	Nasonovia ribisnigri	currant-lettuce aphid	Sarasota	REGULATORY INCIDENT
Citrus reticulata tangerine, mandarin Trachyderes mandaibularis a longhorn beetle Polk COUNTY Citrus x paradisi grapefruit Poecilognathus punctipennis a bee fly De Soto COUNTY Citrus x paradisi grapefruit Thionia simplex a planthopper Hillsborough COUNTY Coccoloba urifera seagrape Crandactylomia watsoni a eceid fly Brevard COUNTY Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips sea grape hirips Miami-Dade SiGNIFICANT FIND Coccoloba urifera seagrape Sciriothrips coccolobae sea grape hirips Miami-Dade SiGNIFICANT FIND County Eriobarya japonica loquat, Japanese plum Cytrocapsus caligineus a plant bug Hendry COUNTY Eriobarya japonica loquat, Japanese plum Lupettiana mordax a ghost spider Lee COUNTY Eriobarya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Eriobarya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Eriobarya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Eriobarya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Eriobarya japonica loquat, Japanese p	Cichorium endivia	endive, escarole, frisee	Nasonovia ribisnigri	currant-lettuce aphid	Suwannee	INTERDICTION INTERCEPTION
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Citrus x paradisi grapefruit Thionia simplex a planthopper Hillsborough COUNTY Coccoloba tivifera seagrape Cenodactylomia watsoni a cecid fly Brevard COUNTY Coccoloba tivifera seagrape Scirtothrips coccolobae sea grape thrips Miami-Dade SIGNIFICANT FIND Cynara cardunculus cardoon, artichoke, globe artichoke Platyptilia carduidactyla artichoke plume moth Escambia INTERDICTION INTERCEPTION Dioscorea bulbifera air potato, potato yam, air yam Spartocera batatas gant sweet potato bug Indian River COUNTY Eriobotrya japonica loquat, Japanese plum Cyrtocapsus caligineus a plant bug Hendry COUNTY Eriobotrya japonica loquat, Japanese plum Lupettiana mordax a ghost spider Lee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Eriobotrya japonica coral tree; sunshine tree Quadrastichus erythrinae erythrinae gruthrinae crythrina variegata coral tree; sunshine tree Quadrastichus erythrinae erythrinae gruthrinae gruthrinae grate a flatid planthopper Santa Rosa COUNTY Fragaria x ananassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pimaspis aspidistrae fem scale Indian River HOST Jamperus sp. Tetyra bipunctata a shield-backed bug Lake COUNTY Lacuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lacuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lacuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae alfalfa looper Escambia INTERDICTION INTERCEPTION Lacuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lacuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lacuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Citrus reticulata	tangerine, mandarin	Trachyderes mandibularis	a longhorn beetle	Polk	COUNTY
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Coccoloba wifera seagrape Scirtothrips coccolobae sea grape thrips Miami-Dade SIGNIFICANT FIND Cynara cardunculus cardoon, artichoke, globe artichoke Platyptilia carduidactyla artichoke plume moth Escambia INTERDICTION INTERCEPTION Dioscorea bulbifera air potato; potato yam; air yam Spartocera batatas giant sweet potato bug Indian River COUNTY Eriobotrya japonica loquat, Japanese plum Cyrtocapsus caligineus a plant bug Hendry COUNTY Eriobotrya japonica loquat, Japanese plum Lupettiana mordax a ghost spider Lee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Eriobotrya japonica coral tree; sunshine tree Quadrastichus erythrinae erythrina gall wasp Hendry COUNTY Ficus carica common fig Ormenoides venusta a flatid planthopper Santa Rosa COUNTY Fragaria x ananassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pinnaspis aspidistrae fernya bipunctata a shield-backed bug Lake COUNTY Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION lactucae sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alafalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alafalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica alafalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica alafalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica alafalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica alafahpoper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica alafahpoper Escambia INTERDICTION INTERCEPTION Lactuca sativa	Citrus x paradisi	grapefruit	Thionia simplex	a planthopper	Hillsborough	COUNTY
Cymara cardunculus eardoon, artichoke, globe artichoke Planyptilia carduidactyla artichoke plume moth Escambia INTERDICTION INTERCEPTION Dioscorea bulbifera air potato; potato yam; air yam Spariocera batatas giant sweet potato bug Indian River COUNTY Eriobotrya japonica loquat, Japanese plum Cyrtocapsus caligineus a plant bug Hendry COUNTY Eriobotrya japonica loquat, Japanese plum Lupettiana mordax a ghost spider Lee COUNTY Eriobotrya japonica loquat, Japanese plum Odontomera ferruginea a richardiid fly Hardee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined erythrina gall wasp Hendry COUNTY Fricus carica common fig Ormenoides venusta a flatid planthopper Santa Rosa COUNTY Fregaria x ananassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pituse, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sati	Coccoloba uvifera	seagrape	Ctenodactylomia watsoni a cecid fly		Brevard	COUNTY
Dioscorea bulbifera air potato; potato yam; air yam Spartocera batatas giant sweet potato bug Indian River COUNTY Eriobotrya japonica loquat, Japanese plum Cyrtocapsus caligineus a plant bug Hendry COUNTY Eriobotrya japonica loquat, Japanese plum Lupettiana mordax a ghost spider Lee COUNTY Eriobotrya japonica loquat, Japanese plum Odontomera ferruginea a richardiid fly Hardee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Eriobotrya japonica coral tree; sunshine tree Quadrastichus erythrinae erythrina gall wasp Hendry COUNTY Ficus carica common fig Ormenoides venusta a flatid planthopper Santa Rosa COUNTY Fragaria x ananassa garden strawbetry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pinmaspis aspidistrae ferm scale Indian River HOST Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Intercep	Coccoloba uvifera	seagrape	Scirtothrips coccolobae sea grape thrips M		Miami-Dade	SIGNIFICANT FIND
Eriobotrya japonica loquat, Japanese plum Cyrtocapsus caligineus a plant bug Hendry COUNTY Eriobotrya japonica loquat, Japanese plum Lupettiana mordax a ghost spider Lee COUNTY Eriobotrya japonica loquat, Japanese plum Odontomera ferruginea a richardiid fly Hardee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Erythrina variegata coral tree; sunshine tree Quadrastichus erythrinae erythrina gall wasp Hendry COUNTY Ficus carica common fig Ormenoides venusta a flatid planthopper Santa Rosa COUNTY Fragaria x ananassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pinnaspis aspidistrae fem scale Indian River HOST Juniperus sp. Tetyra bipunctata a shield-backed bug Lake COUNTY Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Cynara cardunculus	cardoon, artichoke, globe artichoke	Platyptilia carduidactyla artichoke plume moth I		Escambia	INTERDICTION INTERCEPTION
Eriobotrya japonica loquat, Japanese plum Lupettiana mordax a ghost spider Lee COUNTY Eriobotrya japonica loquat, Japanese plum Odontomera ferruginea a richardiid fly Hardee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Erythrina variegata coral tree; sunshine tree Quadrastichus erythrinae erythrina gall wasp Hendry COUNTY Ficus carica common fig Ormenoides venusta a flatid planthopper Santa Rosa COUNTY Fragaria x ananassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pinnaspis aspidistrae fern scale Indian River HOST Juniperus sp. Tetyra bipunctata a shield-backed bug Lake COUNTY Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Dioscorea bulbifera	air potato; potato yam; air yam	Spartocera batatas giant sweet potato bug I		Indian River	COUNTY
Eriobotrya japonica loquat, Japanese plum Odontomera ferruginea a richardiid fly Hardee COUNTY Eriobotrya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Erythrina variegata coral tree; sunshine tree Quadrastichus erythrinae erythrina gall wasp Hendry COUNTY Ficus carica common fig Ormenoides venusta a flatid planthopper Santa Rosa COUNTY Fragaria x ananassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pinnaspis aspidistrae fen scale Indian River HOST Juniperus sp. Tetyra bipunctata a shield-backed bug Lake COUNTY Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Eriobotrya japonica	loquat, Japanese plum	Cyrtocapsus caligineus a plant bug I		Hendry	COUNTY
Eriobotrya japonica loquat, Japanese plum Undetermined minute pirate bug Lee COUNTY Erythrina variegata coral tree; sunshine tree Quadrastichus erythrinae erythrinae gall wasp Hendry COUNTY Ficus carica common fig Ormenoides venusta a flatid planthopper Santa Rosa COUNTY Fragaria x ananassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pinnaspis aspidistrae fern scale Indian River HOST Juniperus sp. Tetyra bipunctata a shield-backed bug Lake COUNTY Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Eriobotrya japonica	loquat, Japanese plum	Lupettiana mordax	Lupettiana mordax a ghost spider I		COUNTY
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Ficus carica common fig Ormenoides venusta a flatid planthopper Santa Rosa COUNTY Fragaria x ananassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pinnaspis aspidistrae fern scale Indian River HOST Juniperus sp. Tetyra bipunctata a shield-backed bug Lake COUNTY Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Eriobotrya japonica	loquat, Japanese plum	Undetermined	minute pirate bug	Lee	COUNTY
Fragaria x ananassa garden strawberry Sitona lineatus pea leaf weevil Escambia INTERDICTION INTERCEPTION Gymnocalycium ragonesei Pinnaspis aspidistrae fern scale Indian River HOST Juniperus sp. Tetyra bipunctata a shield-backed bug Lake COUNTY Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Erythrina variegata	coral tree; sunshine tree	Quadrastichus erythrinae	erythrina gall wasp	Hendry	COUNTY
Gymnocalycium ragonesei Pinnaspis aspidistrae fern scale Indian River HOST Juniperus sp. Tetyra bipunctata a shield-backed bug Lake COUNTY Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon lactucae lettuce aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Acyrthosiphon malvae an aphid Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTIO	Ficus carica	common fig	Ormenoides venusta	a flatid planthopper	Santa Rosa	COUNTY
Juniperus sp.Tetyra bipunctataa shield-backed bugLakeCOUNTYLactuca sativalettuce, romaine lettuce, leaf lettuceAcyrthosiphon lactucaelettuce aphidEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAcyrthosiphon lactucaelettuce aphidEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAcyrthosiphon malvaean aphidEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTION	Fragaria x ananassa	garden strawberry	Sitona lineatus	pea leaf weevil	Escambia	INTERDICTION INTERCEPTION
Lactuca sativalettuce, romaine lettuce, leaf lettuceAcyrthosiphon lactucaelettuce aphidEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAcyrthosiphon lactucaelettuce aphidEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAcyrthosiphon malvaean aphidEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTION	Gymnocalycium ragonesei		Pinnaspis aspidistrae	fern scale	Indian River	HOST
Lactuca sativalettuce, romaine lettuce, leaf lettuceAcyrthosiphon lactucaelettuce aphidEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAcyrthosiphon malvaean aphidEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTION	Juniperus sp.		Tetyra bipunctata	a shield-backed bug	Lake	COUNTY
Lactuca sativalettuce, romaine lettuce, leaf lettuceAcyrthosiphon malvaean aphidEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTION	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Acyrthosiphon lactucae	lettuce aphid	Escambia	INTERDICTION INTERCEPTION
Lactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceAutographa californicaalfalfa looperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTIONLactuca sativalettuce, romaine lettuce, leaf lettuceCeratagallia californicaa leafhopperEscambiaINTERDICTION INTERCEPTION	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Acyrthosiphon lactucae	lettuce aphid	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa lettuce, romaine lettuce, leaf lettuce Autographa californica alfalfa looper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Acyrthosiphon malvae	an aphid	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Autographa californica	alfalfa looper	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Autographa californica	alfalfa looper	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Ceratagallia californica	a leafhopper	Escambia	INTERDICTION INTERCEPTION
	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Ceratagallia californica	a leafhopper	Escambia	INTERDICTION INTERCEPTION
	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Ceratagallia californica	a leafhopper	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa lettuce, romaine lettuce, leaf lettuce Ceratagallia californica a leafhopper Escambia INTERDICTION INTERCEPTION	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Ceratagallia californica a leafhopper		Escambia	INTERDICTION INTERCEPTION
	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Ceratagallia californica		Escambia	INTERDICTION INTERCEPTION
	Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Ceratagallia californica		Escambia	INTERDICTION INTERCEPTION

Plant Name	Plant Common Name	Arthropod	Arthropod Common Name	County	Records
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Delphacodes consimilis a delphacid planthopper		Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Deltocephalus fuscinervosus	a leafhopper	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Deltocephalus fuscinervosus	a leafhopper	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Deltocephalus fuscinervosus	a leafhopper	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Deltocephalus fuscinervosus	a leafhopper	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Liriomyza langei	California pea leafminer	Suwannee	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Liriomyza langei	California pea leafminer	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Liriomyza langei	California pea leafminer	Suwannee	INTERDICTION INTERCEPTION
Lactuca sativa	greenleaf lettuce	Liriomyza langei	California pea leafminer	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Liriomyza langei	California pea leafminer	Suwannee	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Liriomyza langei	California pea leafminer	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	romaine lettuce	Liriomyza langei	California pea leafminer	Manatee	REGULATORY INCIDENT
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Metopolophium dirhodum	rose grass aphid	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Metopolophium dirhodum	rose grass aphid	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Nasonovia ribisnigri	currant-lettuce aphid	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Nasonovia ribisnigri	currant-lettuce aphid	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Nasonovia ribisnigri	currant-lettuce aphid	Escambia	INTERDICTION INTERCEPTION
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Sipha maydis	a cereal aphid	Suwannee	REGULATORY INCIDENT
Lactuca sativa	lettuce, romaine lettuce, leaf lettuce	Xysticus cunctator	a crab spider	Suwannee	REGULATORY INCIDENT
Ligustrum sp.	iottace, romaine iettace, roar iettace	Myzinum maculatum	tiphiid wasp	Pasco	COUNTY
Mangifera indica	mango	Theridion melanostictum	a spider	Collier	COUNTY
Medicago sativa	alfalfa; lucerne	Dictyna cholla	a meshweb weaver	Escambia	REGULATORY INCIDENT
Morus alba	white mulberry	Tmarus floridensis	a crab spider	Hendry	COUNTY
Ocotea coriacea	lancewood	Limataphalara brevicephala	ocotea psyllid	Collier	SIGNIFICANT FIND
Persea americana		Abgrallaspis aguacatae	an armored scale	Hamilton	INTERDICTION INTERCEPTION
	avocado; alligator pear; aguacate		an armored scale	Escambia	
Persea americana	avocado; alligator pear; aguacate	Abgrallaspis aguacatae	an armored scale	Escambia	INTERDICTION INTERCEPTION
Persea americana	avocado; alligator pear; aguacate	Abgrallaspis aguacatae			INTERDICTION INTERCEPTION
Persea americana	avocado; alligator pear; aguacate	Abgrallaspis aguacatae an armored scale Abgrallaspis aguacatae an armored scale		Escambia	INTERDICTION INTERCEPTION
Persea americana	avocado; alligator pear; aguacate			Suwannee	INTERDICTION INTERCEPTION
Persea americana	avocado; alligator pear; aguacate	1 1 3		Duval	HOST
Phaseolus vulgaris	snapbean, stringbean, pole bean, foot- long bean	Megacopta cribraria bean plataspid		Santa Rosa	COUNTY
Phoenix dactylifera	date palm	Anchastus bicolor	a click beetle	Escambia	INTERDICTION INTERCEPTION
Phoenix dactylifera	date palm	Hoplisoides floridicus	wasp	Hillsborough	COUNTY
Phoenix dactylifera	date palm		a wireworm	Escambia	INTERDICTION INTERCEPTION
Phoenix dactylifera	date palm		a wireworm	Escambia	INTERDICTION INTERCEPTION
Physalis walteri	Walter's groundcherry; stellate haired physalis	Aceria sp.	eriophyid mite	Pinellas	HOST
Pinus elliottii	slash pine	Euwallacea fornicatus	tea shothole borer	Orange	COUNTY
Pinus sp.	pine	Ambrosiodmus atratus	a scolytid beetle	Hamilton	COUNTY
Pisum sativum	snow pea; sugar pea; edible-pod pea	Liriomyza huidobrensis	pea leafminer	Manatee	REGULATORY INCIDENT
Pluchea rosea	rosy camphorweed	Acutalis tartarea	a treehopper	Levy	HOST
Pogostemon heyneanus	patchouli, false patchouli, Java pa- tchouli, Indian patchouli	Planchonia stentae	euphorbia pit scale	Miami-Dade	HOST
Protea cynaroides	king protea	Delottococcus confusus	a mealybug	Miami-Dade	REGULATORY INCIDENT
Pueraria montana	kudzu; kudzu vine; foot-a-night-vine; vine-that-ate-the-south; ko-hemp	Megacopta cribraria	bean plataspid	Hernando	COUNTY
Quercus sp.	oak	Euxesta notata	a ulidiid fly	Glades	COUNTY
Quercus sp.	oak	Rhytidops floridensis	a ropalomerid fly	Brevard	COUNTY
Quercus sp.	oak	Theridion melanostictum	a spider	Hendry	COUNTY
Rosa sp.	rose	Callyntrotus schlechtendali	an eriophyid mite	Alachua	STATE

Plant Name	Plant Common Name	Arthropod Common Name		County	Records
Sechium edule	chayote, choy yot	Tetranychus sp. a spider mite		Escambia	INTERDICTION INTERCEPTION
Serenoa repens	saw palmetto	Nasuchus n. sp.	an eriophyid mite	Brevard	US CONTINENTAL
Thrinax radiata	Florida thatch palm, Jamaica thatch palm, silk-top thatch palm	Acharia stimulea	saddleback caterpillar	Palm Beach	HOST
Tournefortia hirsutissima	chiggery grapes	Aceria tournefortiae	an eriophyid mite	Miami-Dade	US CONTINENTAL
Vitis sp.		Phidippus californicus	a jumping spider	Suwannee	REGULATORY INCIDENT
Vitis sp.		Schizomyia viticola	a gall midge	Levy	COUNTY
		Acanalonia pumila	an acanaloniid planthopper	Broward	COUNTY
		Adaina simplicius	a plume moth	Brevard	COUNTY
		Ambrosiophilus atratus	a scolytid beetle	Duval	COUNTY
		Araneus gadus	an orbweaver	Escambia	STATE
		Archasia auriculata	a treehopper	Columbia	COUNTY
		Arhyssus parvicornis	a scentless plant bug	Palm Beach	STATE
		Camponotus planatus	carpenter ant	Hendry	COUNTY
		Cheiracanthium inclusum	yellow sac spider	Pasco	COUNTY
		Choropleca terpsichorella	Choropleca terpsichorella dancing moth		COUNTY
		Cnestus mutilatus camphor shoot borer		Collier	COUNTY
		Crossopriza lyoni a cellar or longlegged spider		Lee	COUNTY
		Hermetia sexmaculata	netia sexmaculata a soldier fly		COUNTY
		Hypsosinga pygmaea	gmaea an orbweaver		COUNTY
		Jobertus chryselectrus	a mirid bug	Collier	COUNTY
		Lehmannia valentiana	three-banded garden slug	Seminole	REGULATORY INCIDENT
		Oecobius navus	a flatmesh weaver	Hendry	COUNTY
		Sephina gundlachi	coreid bug	Seminole	COUNTY
		Spartocera batatas	giant sweet potato bug	Monroe	COUNTY
		Streptopalpia minusculalis	a pyralid moth	Orange	COUNTY
		Trachelas volutus red sac spider		Pasco	COUNTY
		Trachelas volutus	Trachelas volutus red sac spider		COUNTY
		Trischidias georgiae a scolytid beetle		Alachua	COUNTY
		Tropidosteptes quercicola	a mirid plant bug	Volusia	COUNTY
		Zophobas subnitens	a tenebrionid beetle	Hillsborough	REGULATORY INCIDENT



Nematology Section

Compiled by R. N. Inserra, J. D. Stanley, J. B. Brito, L. L. Violett and S. A. Subbotin (California Department of Food and Agriculture)

This section analyzes soil and plant samples for nematodes, conducts pest detection surveys and provides diagnoses of plant problems, in addition to completing identification of plant parasitic nematodes involved in regulatory and certification programs. State of Florida statutes and rules mandate the predominant regulatory activities of the section. Analyses of plant and soil samples include those from in-state programs, plant shipments originating in Florida destined for other states and countries, as well as samples intercepted in Florida from outside the United States.

Nematodes of Special Interest

Aphelenchoides fragariae (Ritzema-Bos, 1890) Christie, 1932, the spring crimp nematode, was detected in leaves of *Stachys officinalis* (a plant known as wood betony, bishop's wort or common hedgenettle). (Santa Rosa County; N14-00725; J. Mikaela Anderson; 27 May 2014.)

Aphelenchoides fragariae parasitizes many ornamental plants including wood betony (Stachys officinalis). Infestations of this foliar nematode on this ornamental have been known in Europe for more than 50 years (Junges 1938). Damage caused by A. fragariae on Stachys spp. is not commonly found in the United States. A serious infestation of this nematode on S. officinalis was detected in a nursery in northwestern Florida. The damage on this ornamental includes the following symptoms: extended leaf discoloration, blotches on and necrosis of leaf areas between the veins on the upper side of the leaves, and defoliation. Nematode feeding and tunneling in the leaf tissues results in deterioration of vigor and quality of the plants, which then become unmarketable.

Conditions of elevated humidity and water condensation on plants favor nematode invasion and penetration of the leaf tissues. Chemical management of the nematode using approved systemic compounds can suppress nematode infestation levels, but does not eradicate the parasite. Cultural and sanitation practices are the most economical and effective approaches to preventing foliar nematode problems on wood betony. Avoiding overhead watering reduces nematode dissemination by splashing and prevents the formation of a water film necessary for the nematode to move on the surface of leaves and stems. The use of soil mixes free from spring crimp nematodes, sanitized benches and containers, and nematode certified propagative material are imperative in nurseries with history of foliar nematode infestations. Plants obtained from unverified sources should be kept isolated and under observation for foliar nematode symptoms at least four weeks.

Sample Submissions

	May June	Year to date
Morphological Identifications	2,658	6,378
Molecular Identifications	387	826
Total Samples Submitted	3,045	7,204

Certification and Regulatory Samples

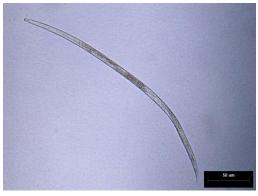
	May June	Year to date
Multistate Certification for National and International Export	1,567	4,233
California Certification	717	1,096
Pre- movement (Citrus Nursery Certification)	76	132
Site or Pit Approval (Citrus Nursery and Other Certifications)	11	134

Other Samples

	May June	Year to date
Identifications (invertebrate)	0	24
Plant Problems	31	60
Intrastate Survey, Random	256	699
Molecular Identifica- tions*	387	826

^{*} The majority of these analyses involved root-knot nematode species.





 $\label{lem:conditional} Aphelenchoides \ fragariae\ (\mbox{the spring crimp nematode}).\ Entire female\ body.$

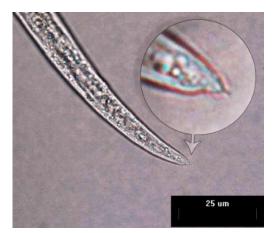
Photograph courtesy of Jason D. Stanley, DPI

Collectors submitting five or more samples that were processed for nematological analysis during March-April 2014

Bailey, W. Wayne	7	Keen, Emily I.	66
Bentley, Michael A.	59	LeBoutillier, Karen W.	208
Blaney, Richard L.	7	Lynch, Megan R.	12
Brodie, Matthew W.	5	Ochoa, Ana L.	232
Burgos, Frank A.	269	Sellers, Mary C.	6
Clanton, Keith B.	52	Southerland, Lane P.	22
Farnum, Jake M.	9	Spriggs, Charles L.	85
Garcia, Olga	5	Violett, Larry L.	240
Gubler, Anthony P.	6	Welch, Johanna	13

References

Junges, W. 1938. Systematik und Variabilitat der pflanzenparasitischen Aphelenchen, sowie deren Verbreitung a verschiedenen Wirtspflanzen. Zeitschrift fur Pflanzenernahrung und Bodenkunde 10 (5): 559-607.



Aphelenchoides fragariae (the spring crimp nematode). Posterior portion of the body ending in a small, non-branched spike. Photograph courtesy of Jason D. Stanley, DPI



Stachys officinalis (woody betony). Leaves showing symptoms induced by Aphelenchoides fragariae infestations. A healthy leaf (left), a discolored and chlorotic nematode infested leaf (right). Photograph courtesy of R.N. Inserra and J.W. Lotz, DPI



Plant Pathology Section

Compiled by Timothy S. Schubert, Ph.D., and David A. Davison, M.S.

This section provides plant disease diagnostic services and conducts a citrus germplasm introduction program. The agency-wide goal of protecting Florida agriculture very often begins with accurate diagnoses of plant problems. Disease management recommendations are offered where appropriate and available. Our plant pathologists are dedicated to keeping informed about plant diseases outside Florida in order to be prepared for potential introductions of new pathogens.

Fusarium oxysporum f. sp. basilici (Fusarium wilt and canker of basil) was found on Ocimum basilicum (edible basil) in Stuart, Florida at a hydroponic cultivation operation. (Martin County; P2014-79988; Joel R. Allingham; 21 May 2014.)

Sweet basil (*Ocimum basilicum*) is a relatively easily grown herb in the mint family that is widely cultivated both commercially and in home gardens. Among the most common recent problems with this crop have been downy mildew, caused by *Peronospora belbahrii*, and bacterial leaf spot, caused by *Pseudomonas cichorii*. Fusarium wilt and canker caused by *Fusarium oxysporum* f. sp. *basilici* represents a third major disease of recent origin and is now one of the more serious diseases of this crop, especially in hydroponic cultivation. The disease was first reported from Russia in the late 1950s, and then appeared some time later in Italy (1975) and France (1982). Still later in the 1990s, the disease popped up in many states in the United States, including Florida. The pathogen can persist in an infested area for a very long time. There is good evidence the inoculum is moved long distances on seed, just as it is for downy mildew and bacterial leaf spot.

In May of this year, a sample of basil infected with *Fusarium oxysporum* f. sp. *basilica* with the classic distorted and twisted growth accompanied by basal and stem cankers was submitted from a hydroponic greenhouse operation Martin County. The ease with which inoculum of a Fusarium wilt pathogen is spread in water makes the appearance in a hydroponic setting especially daunting. Extreme attention to seed quality is of paramount importance to avoid serious and persistent problems with this and other basil diseases. Varieties of sweet basil show varying degrees of susceptibility to the pathogen. Some of the other culinary and ornamental varieties such as lemon basil (*O. americanum*), purple ruffles basil (*O. basilicum* "Purple Ruffles') and 'Spicy Globe' (*O. basilicum* 'Spicy Globe') are resistant, as is the more traditional Genovese green-leaved basil O. basilicum 'Nufar F-1'.

Additional information and pictures of Fusarium wilt of basil plus other major basil diseases is available in an excellent publication on the crop published in the APS journal Plant Disease at this web address: http://apsjournals.apsnet.org/doi/pdfplus/10.1094/PDIS.1997.81.2.124 [accessed 2014 July 17].

Sample Submissions

	May June	Year to date
Pathology	561	1,556
Bee	0	7
Black Spot	2	48
Canker	297	593
Greening	407	1,235
Interdictions	7	31
Laurel Wilt	13	41
Soil	5	14
Sudden Oak Death	0	10
Sweet Orange Scab- Like Disease	0	6
Texas Phoenix Palm Decline	32	32
Water	0	9
Miscellaneous	7	17
Total	1,331	3,599



Ocimum basilicum (edible basil) Photograph courtesy of wikipedia