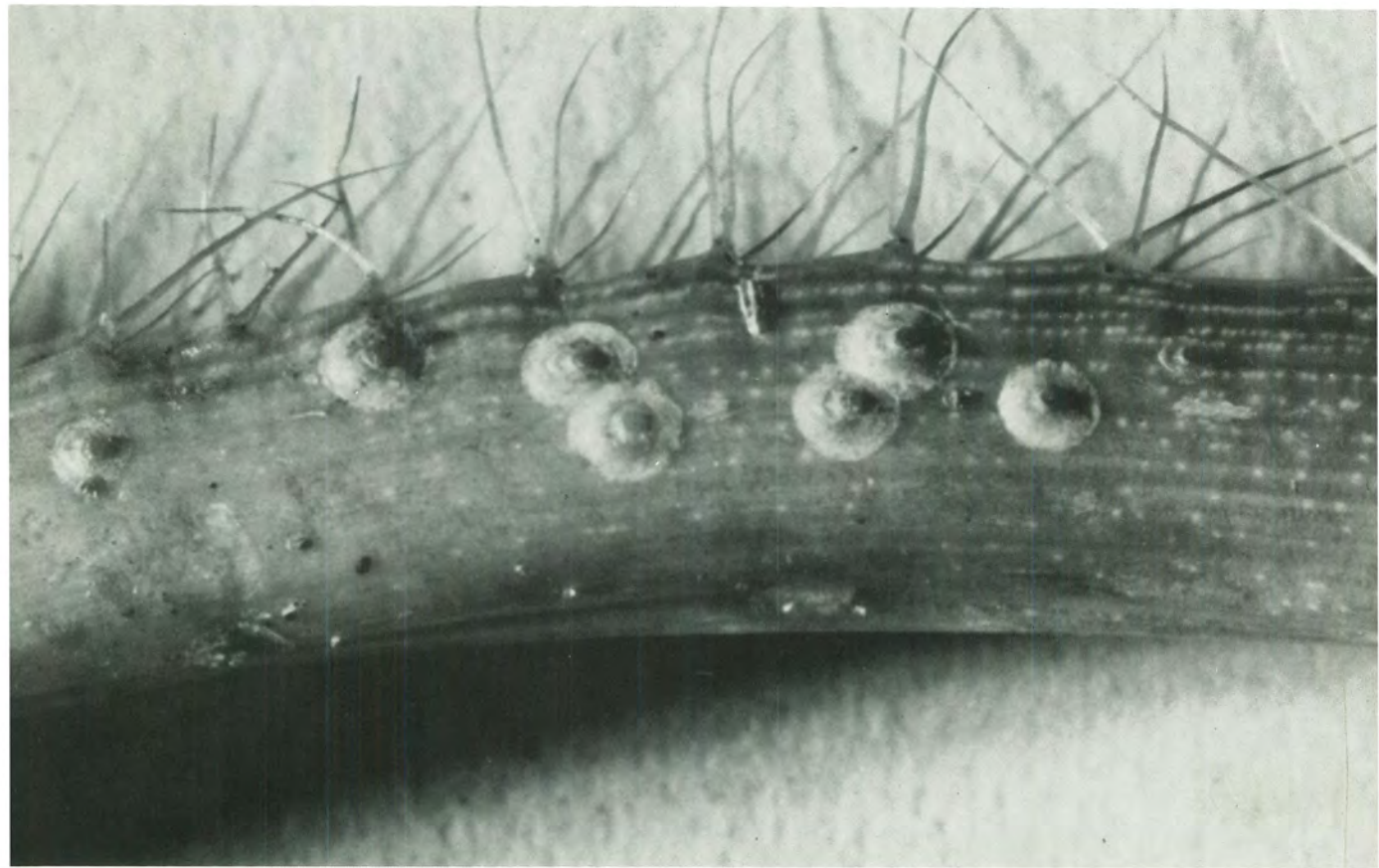


ARTHROPODS OF FLORIDA

AND NEIGHBORING LAND AREAS

VOLUME 3



FLORIDA ARMORED SCALE INSECTS

GEORGE WALLACE DEKLE

FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

Doyle Conner, Commissioner

DIVISION OF PLANT INDUSTRY

Halwin L. Jones, Director

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**1965 First Printing
1976 Second Printing (Revised)**

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**GEORGE WALLACE DEKLE¹
ENTOMOLOGIST**



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FOREWORD

Florida Armored Scale Insects is the third volume of an irregularly appearing publication *Arthropods of Florida and Neighboring Land Areas*, relating to the insects and other arthropods. Neighboring land areas include the southeastern United States, Bahama Islands, the West Indies, and land areas in and near the Gulf of Mexico and Caribbean Sea. Primary emphasis is on taxonomy, ecology, biology, and zoogeography.

Few if any other groups of insects are of more economic importance to Florida fruit crops, ornamental plants, and forest and shade trees than are the scale insects. No other groups of insects are more important to Florida citrus. Their control is difficult, requiring constant vigilance, and extremely expensive. Yet literature dealing with these insects is surprisingly scattered and limited. Identification of particular species, which may be important to their control, is often difficult. The scale insects form a large group which contains forms that are minute and highly specialized. Scale insects occur on practically all kinds of plants both wild and cultivated. Many wild plants serve as reservoirs for species which are pests of cultivated plants; others serve as reservoirs for species which are parasites or predators of these pest species.

Many of the species of scale insects in Florida, especially those which attack cultivated plants, originated in distant parts of the world. They have become cosmopolitan or cosmopolitan largely through their inadvertent distribution by man through commerce and through uncontrolled introduction of many of their plant hosts.

Few species of scale insects which occur in Florida are native to the state. Some are of little economic importance in their native lands where they are held in check by their native parasites, predators, diseases, weather conditions, and other natural factors, but become serious pests when introduced into new areas. A notable example in this country is the cottoncushion scale, *Icerya purchasi* Maskell, which was unwittingly introduced

into California from Australia or New Zealand (and subsequently into Florida). In its new environment, free of its natural restraints, it spread rapidly and threatened to wipe out the orange industry in California. It was brought under control only after one of its native predators, the vedalia lady beetle, *Rodolia cardinalis* (Mulsant), was introduced from Australia, first into California and later into Florida. Within two years after its introduction into California, this little beetle reduced the cottoncushion scale to the status of a minor pest of citrus.

One can seldom predict when an apparently non-economic species may become a serious pest. Changing cultural practices, limitations of available chemical controls, reduction or elimination of competing species, and other factors may result in the emergence of a previously economically unimportant species as one of major importance. Some may be discovered to be vectors of disease-causing organisms. So it is important to learn as much as possible about all kinds of insects. An extensive knowledge of their distribution, life cycles, host plants, their relative importance on each host, and their accurate identification, is important as we attempt to develop new and better controls for harmful species. The present volume is an important contribution toward this goal.

The author, George Wallace Dekle, was born in Ocala, Marion County, Florida, on 4 November 1915. One of a rare breed, a native Floridian, of Dutch-German ancestry, son of the late Zelma Lee Perry and James Orin Dekle, "Wally," as he is best known to his many friends and colleagues, was educated in the public schools of the sovereign State of Florida. He graduated from Gainesville High School in 1936, and in 1941 he received a Bachelor of Science in Agriculture degree from the University of Florida and was commissioned as a Second Lieutenant in the Field Artillery Reserve. He was discharged with the rank of Captain in Parachute Field Artillery. During 1941-1942, 1946-1947, he served as an Assistant Grove Inspector with

the State Plant Board of Florida, interrupting this assignment during World War II for extended active duty in the United States Army during 1942-1946. From 1947 to 1953 he served as Assistant Entomologist, as Entomologist from 1953 to 1971, and as Taxonomic Entomologist from 1971 to date with the Division of Plant Industry, Florida Department of Agriculture and Consumer Services. Wally lists himself as a Protestant and a registered Democrat. In 1942 he married Frances Courtney Parker, and this union produced three children: Jennie Lee, George Wallace, Jr., and Cynthia Ann.

The author is a Past President of the Florida Entomological Society (1964), a member of the Entomological Society of America, Florida State Horticultural Society, Alpha Zeta Fraternity (1940), Gamma Sigma Delta

honorary society (1966), and holds a courtesy appointment of Associate Professor in the Department of Entomology and Nematology, University of Florida (1967-). He has been active for many years in the Parent Teachers Association and in Boy Scouts of America. He is author or co-author of 59 entomological publications, most of which have been about scale insects.

Howard V. Weems, Jr.
Editor

Bureau of Entomology
Division of Plant Industry
Florida Department of Agriculture
and Consumer Services
20 January 1976

PREFACE

Florida Armored Scale Insects is a revision of the section on armored scale insects (Homoptera:Diaspididae) found in "A Revision of the Scale Insects of Florida," State Plant Board of Florida, Bulletin No. 1, June 1953, by G. B. Merrill, Chief Entomologist (deceased), to whom this edition is dedicated.

The first edition published in 1965 listed 120 species of armored scales in Florida. This edition lists 134 species. Three species, *Chionaspis gleditsiae* Sanders, *Diaspis visci* (Schrank), and *Hemiberlesia coloratus* (Cockerell), have been deleted from this edition since representative slide material collected in Florida is not available for study.

Scale insects often are responsible for economic losses during the production of quality fruit and plants. These small piercing and sucking plant parasites also may become destructive pests of plants wherever plants may be used and for the many varied purposes in landscape beautification. Some of the grass-infesting species contribute to a decline sometimes encountered in lawns and turf.

The 10 most economically important armored scales in Florida are Boisduval, chaff, citrus snow, coconut, false oleander, fern, latania, lesser snow, tea, and white peach.

My primary objective has been to prepare a non-technical publication for use by plant specialists, plant quarantine specialists, agri-

cultural extension specialists, fruit growers, ornamental nurserymen, and homeowners. The format with descriptions in relatively non-technical terminology with accompanying photographs of most Florida species has been retained in this edition. Included for quick reference are: a checklist of Florida armored scales with a phonetic aid for pronouncing the scientific name of each species; a host index listing the armored scale species collected on each host; a species index with all known Florida hosts listed alphabetically by scientific and common names, and a distribution map by Florida counties for each species.

Chemical control recommendations included in the 1953 publication, "A revision of the scale-insects of Florida," by G. B. Merrill, and revised by James E. Brogdon, Extension Entomologist, Institute Food and Agricultural Sciences, University of Florida, for the 1965 publication, *Florida armored scale insects*," by G. W. Dekle, have been omitted in this revision because the constant changes in approved and effective insecticides. New materials will be added and older materials may be deleted; therefore, the user is strongly urged to keep abreast of changes. For recommendations relating to a particular problem, consult your county extension agent, extension and experiment station entomologists and other authoritative sources.

ACKNOWLEDGMENTS

The author wishes to acknowledge the technical assistance on nomenclature of Douglass R. Miller and Suedo Nakahara, Systematic Entomology Laboratory, Agriculture Research Service, United States Department of Agriculture, Beltsville, Maryland.

I especially express my gratitude to Kenneth R. Langdon, Systematic Botanist, and his assistant David A. Eakin, Bureau of Nematology, Division of Plant Industry, Florida Department of Agriculture and Consumer Services, for editing the host index for preciseness of both scientific and common names.

My sincere thanks are due John A. Davidson, University of Maryland; James O. Howell, University of Georgia Experiment Station; Dale K. Pollet, Clemson University; Manya B. Stoetzel, Systematic Entomology, Laboratory, USDA, ARS; Hamlin H. Tippins, University of Georgia Experiment Station; Michael L. Williams, Alabama Polytechnic Institute, all of whom graciously reviewed the introduction and check list of Florida armored scales and made helpful suggestions.

In connection with the pronunciation guide for scientific names of the armored scale species, the writer wishes to acknowledge the timely assistance of George C. Steyskal, Systematic Entomology Laboratory, USDA, ARS.

I am grateful to Harold A. Denmark, E. Eric Grissell, Frank A. Mead, Howard V. Weems,

Jr., and Robert E. Woodruff for their cooperation, suggestions, and assistance given to this publication.

The author extends his sincere thanks to E. M. Collins, Jr., for photography; to S. A. Alfieri, Jr., Norma G. Donovan, Verna M. Graudons, K. R. Langdon, and John J. McRitchie for their critical review of the manuscript; to Cynthia Mallory, Mary Monroe, Janet Williams, and Pam Zwierski for their careful proofreading; to Ernestine Mercer and Ladonia O'Berry for their expertise in slide preparations; and to Roberta Casto, my secretary, for her efficient stenographic ability and dedicated assistance with this revision.

To all plant specialists, past and present, this publication reflects much of your earnest collecting efforts, which have established new species and many new distribution and host records for Florida. Thanks so very much for your cooperation whenever additional material was requested for study.

G. W. Dekle
Taxonomic Entomologist

Bureau of Entomology
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FRONT COVER: *Diaspis dignus* Hoke (dignus scale), on button snakeroot,
Eryngium yuccifolium Michx.

INTRODUCTION

WHAT IS AN ARMORED SCALE?

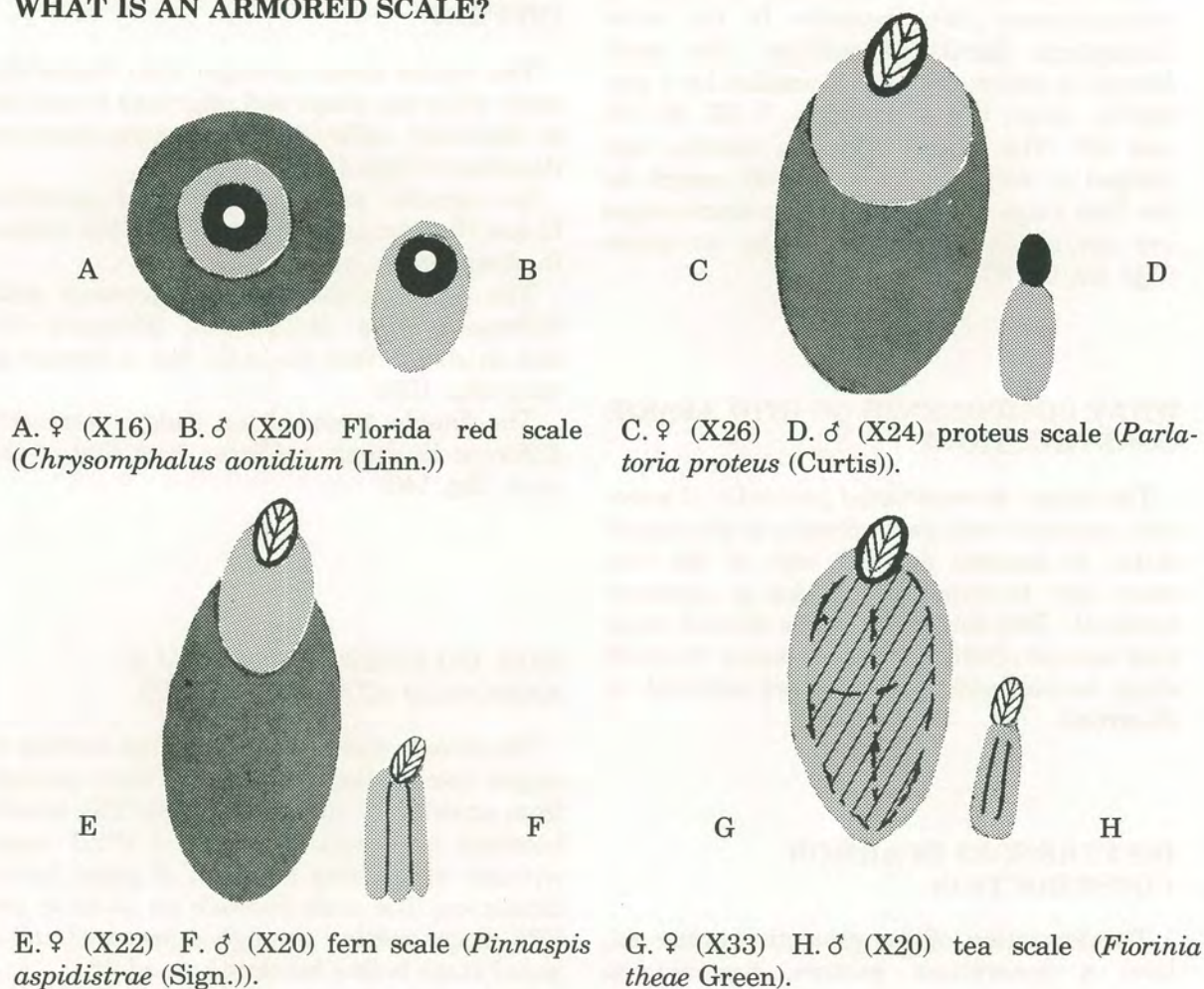


Fig. 1. SCHEMATIC DIAGRAM OF FEMALE AND MALE ARMORS.

General comment: If the armors are intact you cannot see the cast skins (exuviae) in all of the above stages. If the cast skin is not visible it lies beneath secretory material.

○ cap, secretory material produced by first stage crawler.

◐ first stage cast skin, first exuviae

■ secretory material produced by first

stage and added to cap in A & B; little or no secretory material produced by the first stage in C,D,E,F,G,H.



secretory material produced by second stage.



sclerotized second stage cast skin that encases the adult female in papillarial forms, as in G.



secretory material produced by the third stage, adult female A,C,E.

An armored scale is a minute and usually inconspicuous plant parasite in the order Homoptera, family Diaspididae. The adult female is non-motile and concealed by a protective cover, the armor (figs. 7, 37, 38, 39, and 40). The adult male is a mobile, two-winged or wingless insect (fig. 6); except for the first stage or crawler, its immature stages are non-motile and concealed by an armor (figs. 25, 26, 27, and 28).

WHAT COMPONENTS GO INTO ARMOR CONSTRUCTION?

The armor is constructed primarily of secretory material with the inclusion of the castoff skins. In general the cast skin of the first stage may be exposed or added to secretory material. The cast skin of the second stage may become sclerotized and encase the third stage, be sandwiched by secretory material, or discarded.

DIFFERENCES IN ARMOR CONSTRUCTION.

The formation of the protective armor follows a generalized pattern, however, in species that construct a circular armor the crawler stage produces a secretory cap soon after it settles. This cap is well-defined, clearly visible with a hand lens, and differs in color and texture from the secretory material produced later by the crawler (fig. 1, A&B). When the armor shape is other than circular the secretory material produced by the crawler is lacking or scanty. In tea scale (*Fiorinia theae* Green), a pupillarial form, the adult female is smaller than the second stage and encased within the sclerotized skin of the second stage (fig. 1, G).

The stages in the life cycle of Florida red scale (*Chrysomphalus aonidum* (Linnaeus)) and purple scale (*Lepidosaphes beckii* (Newman)) are illustrated in figs. 2 and 3 respectively (Griffiths, Jr. and Thompson, 1949).

DO FEMALE AND MALE ARMORS DIFFER?

The female armor is larger than that of the male while the shape and color may be similar or distinctly different. Comparative sizes are illustrated (figs. 4, 72, and 79).

In camellia scale (*Lepidosaphes camelliae* Hoke) the female and male armor are similar in shape and color (fig. 4).

The female armor of dictyospermum scale (*Chrysomphalus dictyospermi* (Morgan)) differs in shape from the male but is similar in color (fig. 109).

The female armor of tea scale is distinctly different in shape and color from that of the male (fig. 146).

HOW DO FEMALE AND MALE ARMORED SCALES DIFFER?

The female and male differ in the number of stages (period between moults) they undergo from crawler to the adult stage. The female becomes an adult during the third stage without undergoing any type of pupal transformation. The male becomes an adult in the fifth stage passing through a prepupal and a pupal stage before becoming an adult.

The adult female remains beneath the protective armor and is without typical antennae, legs or wings. Vestigial antennae are represented by tubercles with hair-like setae (fig. 5).

The female lives much longer than the male. Life expectancy in the female is measured in days, weeks or months; environmental factors and diapause in some species directly influence length of life.

The adult male is sometimes found beneath the armor but it usually emerges as a minute, gnat-like insect with segmented antennae, 3 pairs of legs and is either winged (fig. 6) or wingless. Individual male scales live for only a few hours. For any given species adult males are only present one or two weeks per generation.

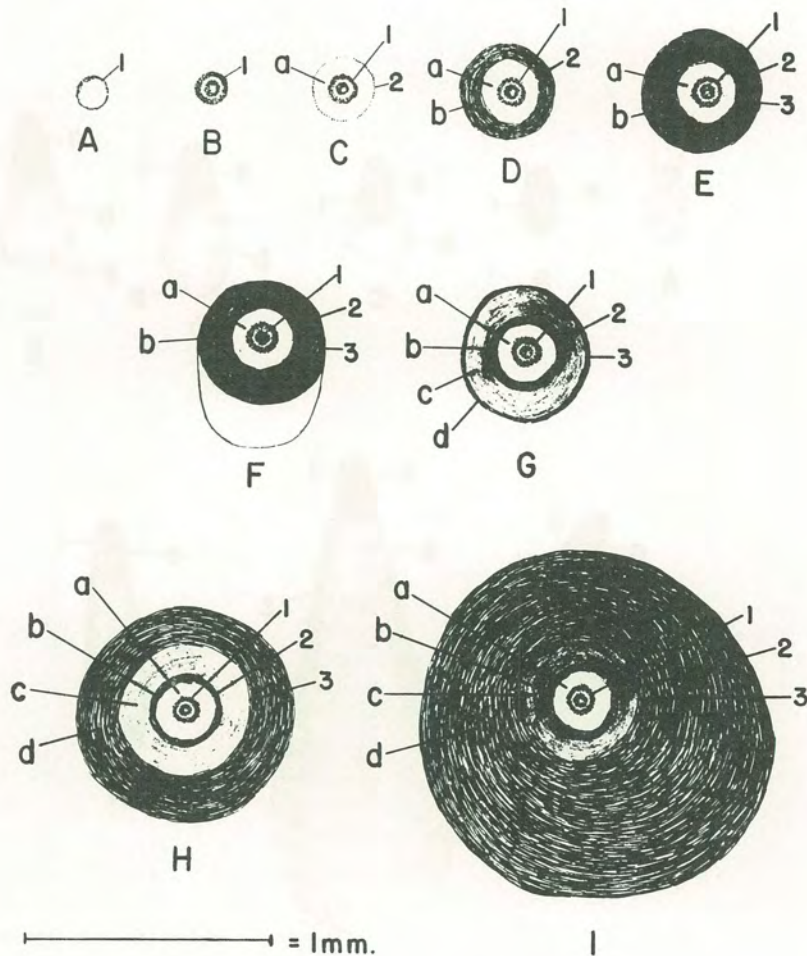


Fig. 2. Stages in the life cycle of Florida red scale. A, White-cap stage; B, early first stage; C, molting upon completion of first stage; D, early second stage; E, late second stage; F, full-grown armor of male; G, early third stage with ringed effect which appears during molting process; H, immature third-stage female; I, mature third-stage female. a, Area occupied by first-stage

armor; b, inner portion of second stage armor which retains dark color; c, outer portion of second-stage armor which becomes reddish brown during molt; d, area occupied by armor grown during third stage. 1, Boundary of white-cap area; 2, boundary of first-stage armor; 3, boundary of second-stage armor. (Griffiths, Jr. and Thompson, 1949)

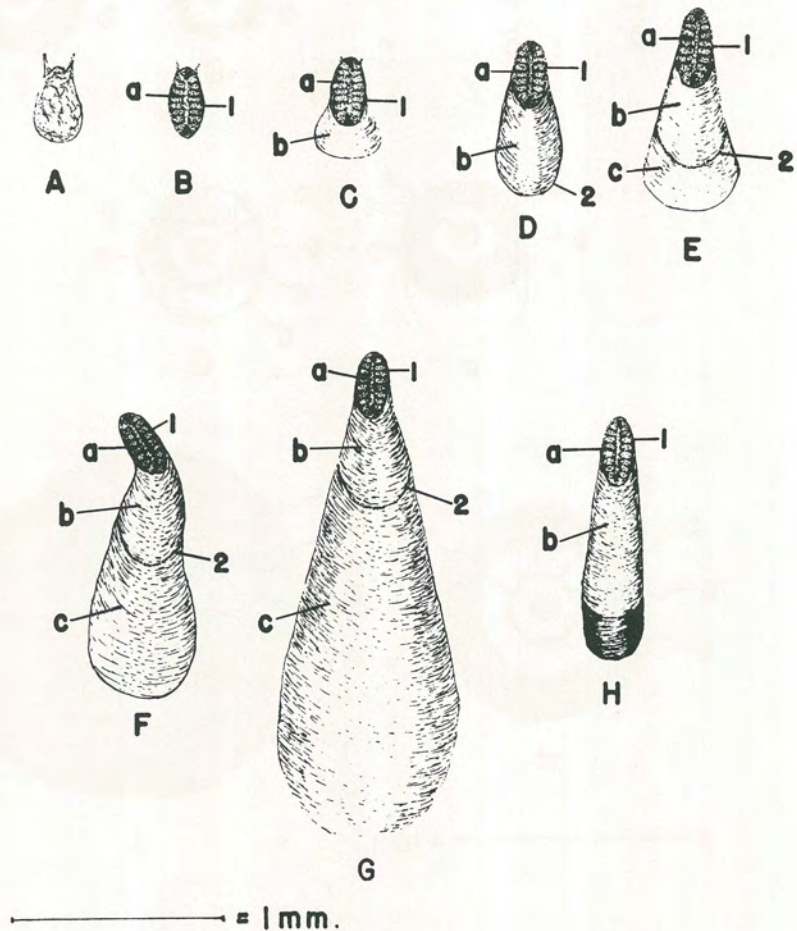


Fig. 3. Stages in the life cycle of purple scale.

A, Early first stage; B, molting upon completion of first stage; C, early second stage; D, molting upon completion of second stage; E, early third-stage female; F, immature third-stage female; G, mature third-stage female;

H, full-grown armor of male. a, Area occupied by first-stage armor; b, area occupied by armor grown during second stage; c, area occupied by armor grown during third stage. 1, Boundary of first-stage armor; 2, boundary of second-stage armor. (Griffiths, Jr. and Thompson, 1949)

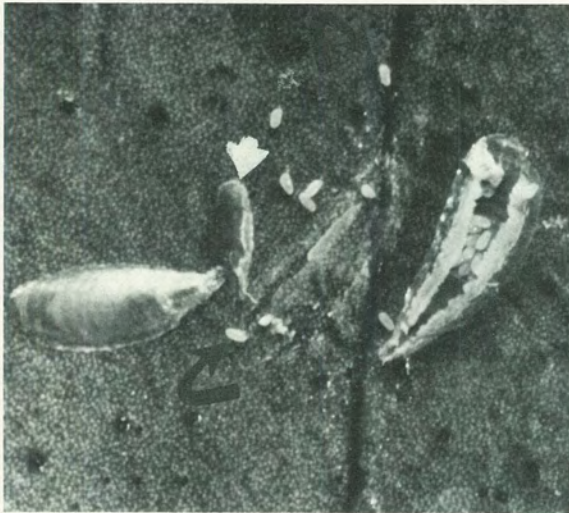


Fig. 4 Camellia scale (*Lepidosaphes camelliae* Hoke). The armor of one female is turned over to show egg mass. Arrow points to male scale armor. Curved arrow points to egg. (X12)

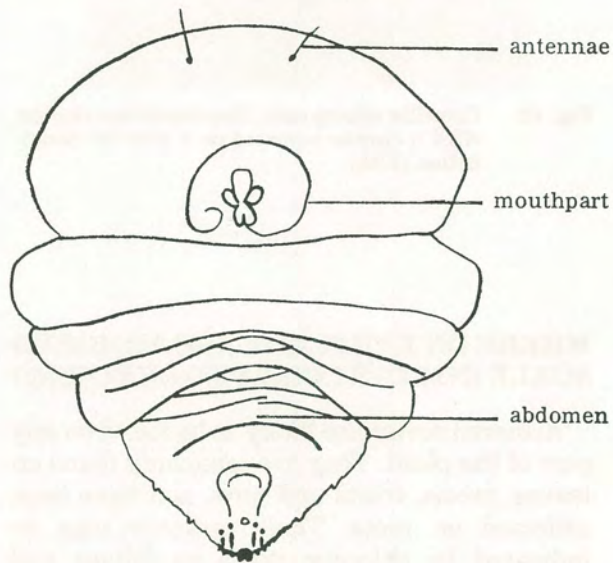


Fig. 5 Camellia mining scale, *Duplaspidiotus claviger* (Cockerell) female (X35).

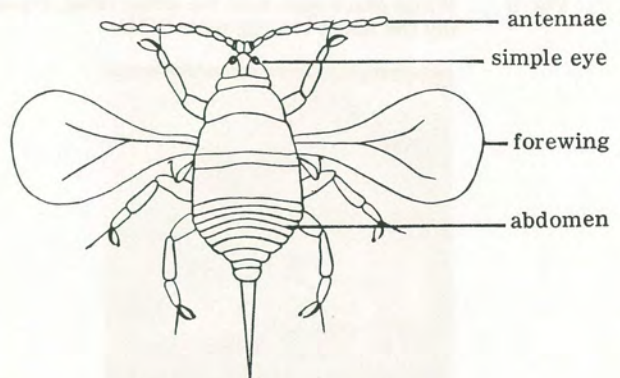


Fig. 6 Florida red scale, *Chrysomphalus aonidum* (Linnaeus) male. Redrawn from various sources (X32).

HOW DO ARMORED SCALE INSECTS FEED?

The female scale and the first two instars of the male have piercing and sucking mouthparts. The two maxillae and two mandibles

are modified into hair-like elongated tubes called the stylets. The mouthparts are located beneath and to the rear of the head region. Feeding begins soon after the crawler settles and the stylets have been inserted into the tissue of the host. Female scales may be exposed in many species by lifting the armor (fig. 8), and usually remain attached to the host by their mouthparts (fig. 9). Adult males have non-functional mouthparts.



Fig. 7. White peach scale (*Pseudaulacaspis pentagona* (Targ.)) (X15).

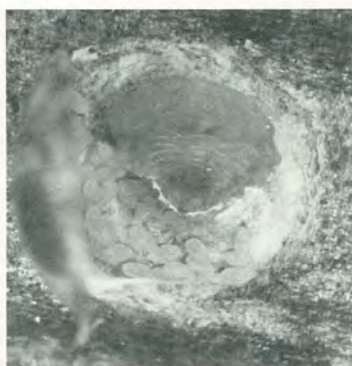


Fig. 8. White peach scale with the armor lifted, exposing the insect and egg mass (X15).



Fig. 9. Boisduval scale (*Diaspis boisduvalii* Signoret) with armor removed. The black arrow points to "hairlike" mouthparts; white arrow indicates where mouthparts are inserted into the plant tissue (X15).

HOW DO ARMORED SCALE INSECTS REPRODUCE?

Armored scales reproduce bisexually (fertilized eggs) or by parthenogenesis (unfertilized eggs). The crawlers of both sexes, whether newly hatched from eggs or born alive, are of the same general appearance (fig. 10).



Fig. 10. Camellia mining scale (*Duplaspidiotus claviger* (Ckll.)) crawler mounted on a slide for examination (X90).

WHERE ON THE PLANT ARE ARMORED SCALE INSECTS LIKELY TO BE FOUND?

Armored scales are likely to be found on any part of the plant. They are commonly found on leaves, stems, fruits and nuts, and have been collected on roots. Their presence may be indicated by chlorotic areas on foliage and stems, dark brown to black blotches on foliage and stems, spots on fruit, defoliation and stem dieback. When a scale infestation is severe it

may drastically affect plant vigor and may even kill the plant.

Armored scale insects on the bark or stems of plants are often difficult to detect. Flat or slightly raised areas on the bark may denote an armored scale infestation, or if the bark is scraped lightly with the thumb nail or knife blade scale armors pop off leaving whitish spots and remnants of ventral protective covers. Scanning twigs and bark with a hand lens is another technique used to detect scale insects (fig. 11). Contrast between the bark of the host and the scale armor may be increased by wetting the bark with water before examining with a hand lens.

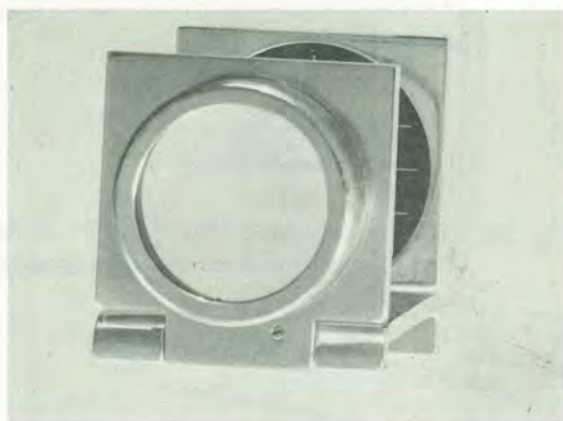


Fig. 11. Three types of hand lens used for close inspection of nursery stock.

HOW ARE ARMORED SCALE INSECTS DISSEMINATED?

The movement of infested plant material is largely responsible for the widespread dispersal of scale insects. Scale crawlers are disseminated mechanically in grove operations by man on farm equipment, clothing and grove products. Transfer of plants within the nursery and improper sanitary practices in the propagating area result in scale dispersal. Natural spread may be accounted for by wind, flood waters and other insects and birds.

Commercial nurseries are advised by plant specialists to inspect all incoming plants for insects and diseases. This practice often prevents the establishment of scale insects and other pests. The homeowner should exercise discretion in the purchase of plant material. Selection of a quality plant from a registered nursery is assurance the plant is apparently free of pests.

CAN ARMORED SCALE INSECTS BE IDENTIFIED IN THE FIELD?

Field identification of armored scale insects is based primarily on armor characteristics of the female. The armor may be examined more closely with a good hand lens for shape, size in millimeters, color, position of exuvial cover, profile, texture, and ventral protective cover. Variation in armor characteristics may be more noticeable in omnivorous-feeding species. Differences occur in armor color, profile prominence, exuvial position, and texture, eg., white peach scale (*Pseudaulacaspis pentagona* (Targioni-Tozzetti)) on mulberry when compared with specimens infesting poinciana (fig. 251), page 138. The ventral protective cover is inconspicuous in many species. Host association, plant part infested, and the male preadult armor are considered by the experienced plant specialist when making a field identification. Field identifications are considered tentative until confirmed by a taxonomic specialist.

ARMOR SHAPES:**FEMALE ARMOR SHAPES:**

Armor shape is variable. The shapes may be distorted when the infested part of the plant is

hairy, prickly, or when the scales are crowded. Armor shapes of female and male are illustrated below. Always select isolated scale coverings when trying to determine cover shape.

SHAPES OF FEMALE ARMOR

(X12)

Fig. 12. Circular shaped. Florida red scale (*Chrysomphalus aonidum* (Linn.)), *daulacaspis* page 60.



(X20)

Fig. 17. Pear-shaped. False oleander scale (*Pseudaulacaspis cockerelli* (Cooley)), page 136.



(X20)

Fig. 13. Oval-shaped. Chaff scale (*Parlatoria pergandii* Comstock)), page 127.



(X30)

Fig. 18. Shield-shaped. Tea scale (*Fiorinia theae* Green), page 82.



(X20)

Fig. 14. Oval-shaped. Cyanophyllum scale (*Abgrallaspis cyanophylli* (Sign.)), page 22.



(X17)

Fig. 19. Clam-shaped. Quohog-shaped scale (*Palinaspis quohogiformis* (Merrill)), page 123.



(X22)

Fig. 15. Elongate oval-shaped. Proteus scale (*Parlatoria proteus* (Curtis)), page 128.



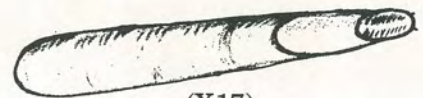
(X15)

Fig. 20. Gumdrop-shaped. Fly speck scale (*Gymnaspis aechmeae* Newstead), page 86.



(X22)

Fig. 16. Oystershell-shaped. Purple scale (*Lepidosaphes beckii* (Newm.)), page 99.



(X17)

Fig. 21. Long slender threadlike-shaped; sides usually parallel. Black thread scale (*Ischnaspis longirostris* (Signoret)), page 96.

SHAPES OF FEMALE ARMOR - continued



(X21)

Fig. 22. Long slender shaped; sides usually curved. Bamboo diaspidid scale (*Kuwanaspis pseudoleucaspis* (Kuwana)), page 98.



(X30)

Fig. 23. Cone-shaped. Penicillate scale (*Odonaspis penicillata* Green), page 120.



(X15)

Fig. 24. Elongate oblong-shaped. Bowrey scale (*Pseudischnaspis bowreyi* (Cockerell)), page 139.



Fig. 26. Oystershell-shaped. Purple scale (*Lepidosaphes beckii* (Newman)), page 99.



(X13)

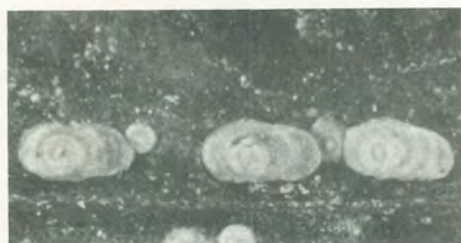
Fig. 27. Elongate Unicarinate (one elevated ridge). Cactus scale (*Diaspis echinocacti* (Bouché)), page 77.



(X15)

Fig. 28. Elongate tricarinate (three elevated ridges). Fern scale (*Pinnaspis aspidistrae* (Signoret)), page 129.

SHAPE OF MALE ARMOR:



(X12)

Fig. 25. Oval to rectangular. San Jose scale (*Quadraspidiotus perniciosus* (Comstock)), page 145.

FEMALE ARMOR SIZE:

Armor size may vary with the species. Circular species are usually less than 3 mm in diameter; the oval or elongated species may sometimes exceed 5 mm in length. Measurements of scale armor are made with a millimeter (mm) rule (fig. 29). Florida red scale is about 2 mm in diameter; this is approximately twice the diameter of the head of a common straight pin.

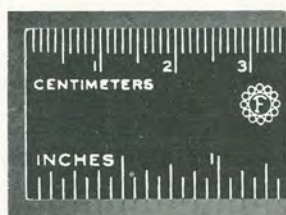


Fig. 29. Upper divisions in mm (10mm=1 centimeter); lower divisions in inches.

FEMALE ARMOR PROFILES:

Although this character may vary, it is an aid in training the field inspector. Male profiles have not been considered in this publication. Circular species are used in the illustrations below.



Fig. 30. Profile flat. Dictyospermum scale (*Chrysomphalus dictyospermi* (Morgan), page 61.



Fig. 31. Profile slightly convex. Spinose scale (*Aspidiotus spinosus* Comstock), page 43.



Fig. 32. Profile moderately convex. Florida red scale (*Chrysomphalus aonidum* (Linnaeus)), page 60.

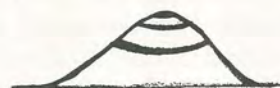


Fig. 33. Profile highly convex. Latania scale (*Hemiberlesia lataniae* (Signoret)), page 92.

ARMOR TEXTURE:

The armor has relative thickness, transparency, and toughness.

Texture	Example
Thin	Coconut scale (<i>Aspidiotus destructor</i> Signoret), page 39.
Thick	Florida red scale (<i>Chrysomphalus aonidum</i> (Linnaeus)), (fig. 34).
Transparent	Coconut scale (<i>Aspidiotus destructor</i> Signoret), page 39.
Translucent	Yellow scale (<i>Aonidiella citrina</i> (Coquillett)), (fig. 35).
Opaque	Florida red scale (<i>Chrysomphalus aonidum</i> (Linnaeus)), (fig. 34).
Pliable	Coconut scale (<i>Aspidiotus destructor</i> Signoret), page 39. Dentate scale (<i>Velataspis dentata</i> (Hoke)), (fig. 36).
Brittle	Fly speck scale (<i>Gymnaspis aechmeae</i> Newstead), page 86.



Fig. 34. Texture thick and opaque. Florida red scale (*Chrysomphalus aonidum* (Linnaeus)).

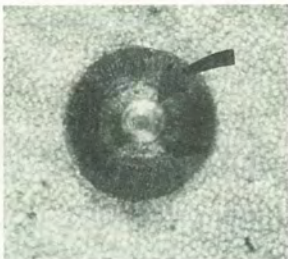


Fig. 35. Texture translucent. Yellow scale (*Aonidiella citrina* (Coquillett)).



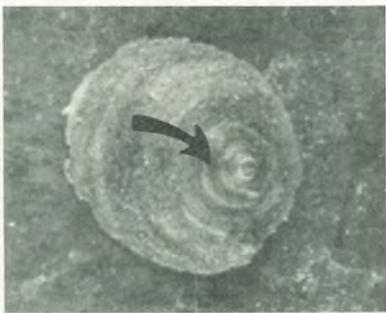
Fig. 36. Texture pliable. Dentate scale (*Velataspis dentata* (Hoke)).

Exuviae are cast larval skins that may or may not be visible in the first stage with a hand lens. Shape and contrast of secretory material produced by the first and second stage are armor characteristics relied upon for determining exuviae position in field identifications. Central, sub-central and marginal exuviae may occur in the same species. Examples of exuviae position exhibited by armored scales are illustrated below.



(X10)

Fig. 37. Exuviae central. Florida red scale (*Chrysomphalus aonidum* (Linnaeus)), page 60.



(X20)

Fig. 38. Exuviae subcentral. Orchid scale (*Furcaspis biformis* (Cockerell)), page 84.



(X14)

Fig. 39. Exuviae marginal. Chaff scale (*Parlatoria pergandii* Comstock), page 127.



(X14)

Fig. 40. Exuviae terminal. Purple scale (*Lepidosaphes beckii* (Newman)), page 99.

VENTRAL PROTECTIVE COVER:

Ventral protective covers may be present in some species. The ventral cover plus the armor may enclose the scale completely except for the hair-like mouthparts. The ventral cover may be thin to thick, and/or transparent to opaque, depending on the species. Examples of scale with ventral protective covers are:

Yellow scale (*Aonidiella citrina* (Coquillett)), ventral cover thin and translucent, page 31.

Quohog-shaped scale (*Palinaspis quohogiformis* (Merrill)), ventral cover thick and opaque, page 123.

Fly speck scale (*Gymnaspis aechmeae* Newstead), ventral cover thin and opaque (a pupillarial form), page 86.

Euonymus scale (*Unaspis euonymi* (Comstock)), ventral cover thin, white tissue-like, page 153.

¹This term does not occur in the singular.

Checklist of FLORIDA ARMORED SCALE INSECTS

with Pronunciation Guide for Scientific Names

The armored scale insects in this checklist are represented in the Florida State Collection of Arthropods by microslide mounts. The phonetically written scientific name for each species is found below each scientific name. The phonetic guide has been prepared to help the reader become more familiar with the pronunciation of the scientific names used in this publication. Accented syllables are in capital letters. Recommended pronunciations follow the Greek pronunciation. Some people may prefer to continue to use pronunciations with which they are more familiar.¹

Scientific Name	Common Name	Synonymy*
<i>Abgrallaspis comstocki</i> (Johnson) (AB-grah-LASS-pis KOM-stock-eye)	Comstock scale	
<i>Abgrallaspis cyanophylli</i> (Signoret) (AB-grah-LASS-pis cy-ah-NOFF-ill-eye)	cyanophyllum scale	<i>Aspidiotus cyanophylli</i> Sign. <i>Hemiberlesia cyanophylli</i> (Sign.)
<i>Abgrallaspis howardi</i> (Cockerell) (AB-grah-LASS-pis HOW-ard-eye)	Howard scale	<i>Aspidiotus pseudospinosus</i> Woglum <i>Aspidiotus howardi</i> Ckll. <i>Hemiberlesia howardi</i> (Ckll.)
<i>Abgrallaspis townsendi</i> (Cockerell) (AB-grah-LASS-pis TOWN-send-eye)	Townsend scale	
<i>Acutaspis morrisonorum</i> Kosztarab (ak-you-TASS-pis MORR-i-son-O-rum)	round conifer scale	
<i>Acutaspis perseae</i> (Comstock) (ak-you-TASS-pis PER-see-ee)	red bay scale	<i>Chrysomphalus perseae</i> (Comst.)
<i>Andaspis hawaiiensis</i> (Maskell) (an-DASS-pis hah-wah-YEN-sis)	Hawaiian scale	<i>Lepidosaphes hawaiiensis</i> (Mask.)
<i>Andaspis mackieana</i> (McKenzie) (an-DASS-pis mack-ee-AYE-na)	Mackie scale	<i>Lepidosaphes mackieana</i> (McKenzie)
<i>Aonidia atlantica</i> Ferris (A-oh-NID-ee-ah at-LAN-ti-ka)	juniper needle scale	
<i>Aonidiella aurantii</i> (Maskell) (A-oh-NID-ee-ELLA awe-RAN-tee-eye)	California red scale†	<i>Chrysomphalus aurantii</i> (Mask.)
<i>Aonidiella citrina</i> (Coquillett) (A-oh-NID-ee-ELLA si-TRY-na)	yellow scale†	<i>Chrysomphalus aurantii citrinus</i> (Coq.)
<i>Aonidiella orientalis</i> (Newstead) (A-oh-NID-ee-ELLA ore-ee-enn-TAY-lis)	oriental scale	<i>Aonidiella orientalis cocotiphagus</i> Marl.
<i>Aonidiella taxus</i> Leonardi (A-oh-NID-ee-ELLA TAX-us)	Asiatic red scale	
<i>Aonidomytilus albus</i> (Cockerell) (A-oh-NID-oh-MY-til-us AL-bus)	cassava scale	<i>Lepidosaphes alba</i> (Ckll.)

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Scientific Name	Common Name	Synonymy*
<i>Aonidomytilus hyperici</i> Ferris (A-oh-NID-oh-MY-til-us high-PER-iss-eye)	hypericum scale	
<i>Aonidomytilus multiglandulatus</i> Kosztarab (A-oh-NID-oh-MY-til-us mul-ti-GLAND-you-LAY-tus)	St. Johnswort scale	
<i>Aonidomytilus solidaginis</i> (Hoke) (A-oh-NID-oh-MY-til-us sol-i-DAY-gin-iss)	goldenrod scale	<i>Lepidosaphes solidaginis</i> Hoke
<i>Aspidiella sacchari</i> (Cockerell) (ass-PID-ee-ELLA SACK-ar-eye)	sugarcane scale	<i>Targionia sacchari</i> (Ckll.)
<i>Aspidiotus destructor</i> Signoret (ass-PID-ee-OH-tus de-STRUCK-tor)	coconut scale†	
<i>Aspidiotus excisus</i> Green (ass-PID-ee-OH-tus ek-SIZE-us)	aglaonema scale	<i>Temnaspidotus excisus</i> (Green)
<i>Aspidiotus marisci</i> Tippins & Beshear (ass-PID-ee-OH-tus ma-RIS-cye)	sawgrass scale	
<i>Aspidiotus nerii</i> Bouché (ass-PID-ee-OH-tus NEE-ree-eye)	oleander scale	<i>Aspidiotus hederæ</i> (Vallot)
<i>Aspidiotus spinosus</i> Comstock (ass-PID-ee-OH-tus spy-NO-sus)	spinose scale	
<i>Aulacaspis rosæ</i> (Bouché) (awe-la-KASS-pis ROSE-ee)	rose scale†	
<i>Carulaspis juniperi</i> (Bouché) (kar-you-LASS-pis ju-NIP-urr-eye)	juniper scale	
<i>Carulaspis minima</i> (Targioni-Tozzetti) (kar-you-LASS-pis MIN-i-ma)	minute cypress scale	
<i>Chionaspis americana</i> Johnson (kye-oh-NASS-pis amer-i-KAY-na)	elm scurfy scale†	
<i>Chionaspis caryæ</i> Cooley (kye-oh-NASS-pis CARRY-ee)	hickory scale	
<i>Chionaspis floridensis</i> Takagi (kye-oh-NASS-pis flo-ri-DEN-sis)	river birch scale	
<i>Chionaspis furfura</i> (Fitch) (kye-oh-NASS-pis FUR-fur-a)	scurfy scale†	
<i>Chionaspis heterophyllæ</i> Cooley (kye-oh-NASS-pis HET-urr-AH-filly)	pine scale	<i>Chionaspis pinifoliae heterophyllæ</i> Cooley <i>Phenacaspis heterophyllæ</i> (Cooley)

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<i>Chionaspis lintneri</i> Comstock (kye-oh-NASS-pis LINT-ner-eye)	Lintner scale	
<i>Chionaspis longiloba</i> Cooley (kye-oh-NASS-pis longi-LOW-ba)	longiloba scale	
<i>Chionaspis nyssae</i> Comstock (kye-oh-NASS-pis NIS-see)	sour-gum scale	<i>Chionaspis sylvatica</i> Sanders <i>Phenacaspis nyssae</i> (Comstock)
<i>Chionaspis pinifoliae</i> (Fitch) (kye-oh-NASS-pis PIN-ee-FOH-lee-ee)	pine needle scale†	<i>Phenacaspis pinifoliae</i> (Fitch)
<i>Chionaspis salicisnigrae</i> (Walsh) (kye-oh-NASS-pis SAL-i-sis-NYE-gree)	black willow scale	
<i>Chortinaspis divaricata</i> Ferris (kor-ti-NASS-pis dye-VAIR-i-KAY-ta)	wire grass scale	
<i>Chortinaspis graminella</i> (Cockerell) (kor-ti-NASS-pis gram-i-NELL-a)	native grass scale	
<i>Chortinaspis subchortina</i> (Laing) (kor-ti-NISS-pis SUB-kor-TIE-na)	water grass scale	
<i>Chrysomphalus aonidum</i> (Linnaeus) (kris-OMPH-a-lus aye-oh-NID-um)	Florida red scale†	<i>Chrysomphalus ficus</i> Ashmead
<i>Chrysomphalus dictyospermi</i> (Morgan) (kris-OMPH-a-lus DIC-tee-oh-SPERM-eye)	dictyospermum scale†	
<i>Circulaspis fistulella</i> Ferris (sir-kew-LASS-pis fis-two-LELL-a)	salt grass scale	
<i>Clavaspis barbigera</i> Ferris (kla-VASS-pis bar-BIDGE-er-a)	barbigera scale	
<i>Clavaspis coursetiae</i> (Marlatt) (kla-VASS-pis koor-SET-ee-ee)	pigeon plum scale	<i>Aspidiotus coursetiae</i> Marl. <i>Aspidiotus (Clavaspis) coursetiae</i> Marlatt
<i>Clavaspis herculeana</i> (Doane & Hadden) (kla-VASS-pis her-KEW-lee-AYE-na)	herculeana scale	<i>Aspidiotus subsimilis anonae</i> Houser <i>Aspidiotus (Clavaspis) herculeanus</i> D&H
<i>Comstockiella sabalis</i> (Comstock) (KOM-stock-ki-ELLA SAY-bal-iss)	palmetto scale	
<i>Diaspidiotus ancylus</i> (Putnam) (die-ASS-pid-ee-OH-tus AN-sill-us)	Putnam scale†	
<i>Diaspidiotus coniferarum</i> (Cockerell) (die-ASS-pid-ee-OH-tus kah-NIF-err-AIR-um)	conifer scale	

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<i>Diaspidiotus liquidambaris</i> (Kotinsky) (die-ASS-pid-ee-OH-tus LICK-wid-AM-ber-iss)	sweetgum scale	<i>Cryptophyllaspis liquidambaris</i> Kot. <i>Cryptophyllaspis (Diaspidiotus)</i> <i>liquidambaris</i> Kot.
<i>Diaspidiotus mcombi</i> McKenzie (die-ASS-pid-ee-OH-tus mac-KOME-eye)	McComb pine scale	
<i>Diaspidiotus osborni</i> (Newell & Cockerell) (die-ASS-pid-ee-OH-tus OS-born-eye)	Osborn scale	<i>Aspidiotus osborni</i> Newell & Ckll. <i>Aspidiotus (Diaspidiotus) osborni</i> New. & Ckll.
<i>Diaspidiotus uvae</i> (Comstock) (die-ASS-pis-ee-OH-tus YOU-vee)	grape scale†	<i>Aspidiotus uvae</i> Comst. <i>Aspidiotus (Diaspidiotus) uvae</i> Comst.
<i>Diaspis boisduvalii</i> Signoret (die-ASS-pis BOIS-dew-VAL-ee-eye)	Boisduval scale	
<i>Diaspis bromeliae</i> (Kerner) (die-ASS-pis bro-MEEL-ee-ee)	pineapple scale†	
<i>Diaspis coccois</i> Lichtenstein (die-ASS-pis co-CO-is)	coccois scale	<i>Diaspis coccois</i> Lichtenstein
<i>Diaspis dignus</i> Hoke (die-ASS-pis DIG-nus)	dignus scale	
<i>Diaspis echinocacti</i> (Bouché) (die-ASS-pis ee-KYE-no-CAC-tie)	cactus scale†	<i>Diaspis echinocacti cacti</i> Comst.
<i>Duplaspidotus claviger</i> (Cockerell) (DEW-plass-pid-ee-OH-tus CLAY-vi-jerr)	camellia mining scale	<i>Pseudaonidia clavigera</i> Ckll.
<i>Duplaspidotus tesseratus</i> (Grandpré & Charmoy) (DEW-plass-pid-ee-OH-tus tess-err-RAY-tus)	tesserate scale	<i>Pseudaonidia (Duplaspidotus)</i> <i>tesserata</i> (deCharm)
<i>Epidiaspis tillandsiae</i> Takagi & Tippins (eppie-DIE-ass-pis til-LAND-see-ee)	Spanish-moss scale	
<i>Fiorinia fioriniae</i> (Targioni-Tozzetti) (fee-oh-RIN-ee-ah fee-oh-RIN-ee-ee)	fiorinia scale	
<i>Fiorinia theae</i> Green (fee-oh-RIN-ee-ah THEE-ee)	tea scale†	
<i>Fissuraspis ulmi</i> (Hoke) (fiss-you-RASS-pis UL-my)	elm scale	
<i>Furcaspis biformis</i> (Cockerell) (fur-KASS-pis by-FOR-mis)	orchid scale	

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<i>Genaparlatoria pseudaspidotus</i> (Lindinger) (je-na-PAR-la-TOE-ree-ah soo-DAS-pid-i-OH-tus)	vanda orchid scale	<i>Parlatoria</i> (<i>Genaparlatoria</i>) <i>pseudaspidotus</i> (Lindinger)
<i>Gymnaspis aechmeae</i> Newstead (jim-NASS-pis EEK-me-ee)	flyspeck scale	
<i>Haliaspis asymmetrica</i> (Ferris) (HAL-ee-ASS-pis assim-MET-rick-a)	asymmetric scale	<i>Duplachionaspis asymmetrica</i> Ferris
<i>Haliaspis peninsularis</i> Howell (HAL-ee-ASS-pis pen-INN-soo-LAIR-iss)	marsh grass scale	
<i>Haliaspis spartinae</i> (Comstock) (HAL-ee-ASS-pis spar-TINY)	cord grass scale	<i>Duplachionaspis spartinae</i> (Comstock)
<i>Haliaspis uniolae</i> Takagi (HAL-ee-ASS-pis you-NYE-oh-lee)	sea oat scale	
<i>Hemiberlesia diffinis</i> (Newstead) (hem-ee-ber-LAY-see-ah dif-EYE-niss)	diffinis scale	
<i>Hemiberlesia lataniae</i> (Signoret) (hem-ee-ber-LAY-see-ah la-TAIN-ee-ee)	latania scale	<i>Aspidiotus lataniae</i> Sign. <i>Aspidiotus</i> (<i>Hemiberlesia</i>) <i>lataniae</i> Sign.
<i>Hemiberlesia palmae</i> (Cockerell) (hem-ee-ber-LAY-see-ah PALM-ee)	tropical palm scale	<i>Aspidiotus</i> (<i>Hemiberlesia</i>) <i>palmae</i> Cockerell
<i>Hemiberlesia rapax</i> (Comstock) (hem-ee-ber-LAY-see-ah RAY-pax)	greedy scale†	<i>Aspidiotus rapax</i> Comst.
<i>Howardia biclavis</i> (Comstock) (HOWARD-dee-ah by-CLAV-iss)	mining scale†	
<i>Ischnaspis longirostris</i> (Signoret) (ish-NASS-pis LON-gee-ROS-tris)	black thread scale†	
<i>Kuwanaspis howardi</i> (Cooley) (koo-wa-NASS-pis HOWARD-eye)	bamboo white scale	
<i>Kuwanaspis pseudoleucaspis</i> (Kuwana) (koo-wa-NASS-pis SOO-doe-lew-KAS-pis)	bamboo diaspidid scale	<i>Leucaspis bambusae</i> Kuw.
<i>Lepidosaphes beckii</i> (Newman) (LEP-ee-doe-SAY-fees BEK-ee-eye)	purple scale†	
<i>Lepidosaphes camelliae</i> Hoke (LEP-ee-doe-SAY-fees ka-MELL-ee-ee)	camellia scale†	
<i>Lepidosaphes gloverii</i> (Packard) (LEP-ee-doe-SAY-fees glo-VAIR-ee-eye)	Glover scale†	

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<i>Lepidosaphes machili</i> (Maskell) (LEP-ee-doe-SAY-fees MACK-ill-eye)	cymbidium scale	
<i>Lepidosaphes pallida</i> (Maskell) (LEP-ee-doe-SAY-fees PAL-li-da)	Maskell scale	<i>Lepidosaphes newstead</i> (Sulc) (misidentification) <i>Lepidosaphes maskelli</i> (Cockerell)
<i>Lepidosaphes ulmi</i> (Linnaeus) (LEP-ee-doe-SAY-fees UL-my)	oystershell scale†	
<i>Lindingaspis floridana</i> Ferris (lin-din-GASS-pis flow-ri-DAY-na)	floridana scale	
<i>Lopholeucaspis cockerelli</i> (Grandpré & Charmoy) (low-FOW-lew-KASS-pis COCK-urr-RELL-eye)	Cockerell scale	<i>Leucaspis cockerelli</i> (deCharmoy)
<i>Melanaspis aliena</i> (Newstead) (mell-ah-NASS-pis ALE-ee-EE-na)	alien scale	
<i>Melanaspis bromeliae</i> (Leonardi) (mell-a-NASS-pis bro-MEEL-ee-ee)	ananas scale	<i>Chrysomphalus (Melanaspis)</i> <i>bromeliae</i> (Leon.)
<i>Melanaspis coccolobae</i> Ferris (mell-a-NASS-pis cock-co-LOW-bee)	seagrape scale	
<i>Melanaspis mimosae</i> (Comstock) (mell-a-NASS-pis mi-MOE-see)	mimosa scale	<i>Chrysomphalus mimosae</i> (Comst.) <i>Chrysomphalus (Melanaspis)</i> <i>minosae</i> (Comst.)
<i>Melanaspis obscura</i> (Comstock) (mell-a-NASS-pis ob-SKEW-ra)	obscure scale†	<i>Chrysomphalus obscurus</i> (Comst.) <i>Chrysomphalus (Melanaspis)</i> <i>obscurus</i> (Comst.) <i>Melanaspis obscurus</i> (Comstock)
<i>Melanaspis smilacis</i> (Comstock) (mell-a-NASS-pis SMY-la-siss)	smilax scale	<i>Chrysomphalus (Melanaspis)</i> <i>bromeliae</i> (Leon.)
<i>Melanaspis tenebricosa</i> (Comstock) (mell-a-NASS-pis TEN-eb-ri-CO-sa)	gloomy scale†	<i>Chrysomphalus tenebricosus</i> (Comst.) <i>Chrysomphalus (Melanaspis)</i> <i>tenebricosus</i> (Comst.)
<i>Morganella cueroensis</i> (Cockerell) (mor-gan-ELLA KWER-oh-EN-sis)	Cuero scale	<i>Targionia (Morganella) cuero-</i> <i>ensis</i> (Ckll.)
<i>Mycetaspis defectopalus</i> Ferris (my-see-TASS-pis de-fec-toe-PAY-lus)	defecto scale	
<i>Mycetaspis personata</i> (Comstock) (my-see-TASS-pis per-so-NAY-ta)	masked scale	<i>Chrysomphalus (Mycetaspis) per-</i> <i>sonatus</i> (Comst.) <i>Mycetaspis personatus</i> (Comstock)

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<i>Nelaspis crookiae</i> Ferris (ne-LASS-pis CROOK-ee-ee)	crookea scale	
<i>Neopinnaspis harperi</i> McKenzie (neo-pin-NASS-pis HAR-per-eye)	Harper scale	
<i>Nuculaspis californica</i> (Coleman) (new-kew-LASS-pis cal-ee-FOR-nick-a)	black pineleaf scale†	<i>Aspidiotus pini</i> Comst. <i>Aspidiotus (Nuculaspis) californicus</i> Coleman
<i>Odonaspis penicillata</i> Green (O-doe-NASS-pis PEN-ee-sill-LAY-ta)	penicillate scale	
<i>Odonaspis ruthae</i> Kotinsky (O-doe-NASS-pis RUTH-ee)	Bermuda grass scale	
<i>Odonaspis saccharicaulis</i> (Zehntner) (O-doe-NASS-pis SAC-kar-ee-KAW-lis)	para grass scale	
<i>Palinaspis quohogiformis</i> (Merrill) (pal-ee-NASS-pis quo-hog-ee-FOR-mis)	quohog-shaped scale	<i>Targionia quohogiformis</i> Merrill
<i>Parlatoareopsis chinensis</i> (Marlatt) (par-la-TOE-ree-OPP-sis chy-NEN-sis)	Chinese obscure scale†	<i>Parlatoria (Parlatoareopsis) chinensis</i> Marl.
<i>Parlatoria camelliae</i> Comstock (par-la-TOE-ree-ah ka-MELL-ee-ee)	camellia parlatoria scale	
<i>Parlatoria crotonis</i> Douglas (par-la-TOE-ree-ah kro-TONE-iss)	croton parlatoria scale	
<i>Parlatoria pergandii</i> Comstock (par-la-TOE-ree-ah per-GAN-dee-eye)	chaff scale	
<i>Parlatoria proteus</i> (Curtis) (par-la-TOE-ree-ah PRO-tee-us)	proteus scale	
<i>Pinnaspis aspidistrae</i> (Signoret) (pin-NASS-pis ASS-pi-DIS-tree)	fern scale†	<i>Hemichionaspis aspidistrae</i> (Sign.)
<i>Pinnaspis buxi</i> (Bouché) (pin-NASS-pis BUX-eye)	screwpine scale	
<i>Pinnaspis caricis</i> Ferris (pin-NASS-pis CAY-ri-siss)	liriope scale	
<i>Pinnaspis strachani</i> (Cooley) (pin-NASS-pis STRAY-can-eye)	lesser snow scale	<i>Hemichionaspis minor</i> (Mask.)
<i>Praecocaspis diversa</i> Ferris (prey-co-KASS-pis di-VER-sa)	diverse scale	
<i>Pseudaonidia duplex</i> (Cockerell) (SOO-day-oh-NID-ee-ah DEW-plex)	camphor scale†	

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<i>Pseudaonidia paeoniae</i> (Cockerell) (SOO-day-oh-NID-ee-ah pee-OH-nee-ee)	peony scale	
<i>Pseudaulacaspis cockerelli</i> (Cooley) (SOO-daw-la-KASS-pis COCK-urr-RELL-eye)	false oleander scale	<i>Phenacaspis natalensis</i> Ckll. <i>Phenacaspis cockerelli</i> (Cooley)
<i>Pseudaulacaspis major</i> (Cockerell) (SOO-daw-la-KASS-pis MAY-jor)	lychee bark scale	
<i>Pseudaulacaspis pentagona</i> (Targioni- Tozzetti) (SOO-daw-la-KASS-pis pen-ta-GO-na)	white peach scale†	<i>Diaspis pentagona</i> (Targ.)
<i>Pseudischnaspis bowreyi</i> (Cockerell) (SOO-dish-NASS-pis BOUGH-ree-eye)	Bowrey scale	
<i>Pseudoparlatoria ostreata</i> Cockerell (SOO-doe-PAR-la-TOE-ree-ah os-tree-AYE-ta)	gray scale	
<i>Pseudoparlatoria parlatorioides</i> (Comstock) (SOO-doe-PAR-la-TOE-ree-ah PAR-la-TOE-ri-OY-dees)	false parlatoria scale	
<i>Pseudoparlatoria tillandsiae</i> Tippins (SOO-doe-PAR-la-TOE-ree-ah til-LAND-see-ee)	false Spanish-moss scale	
<i>Quadraspidotus forbesi</i> (Johnson) (QUAD-rass-pid-ee-OH-tus FORBES-eye)	Forbes scale†	<i>Aspidiotus forbesi</i> Johnson <i>Aspidiotus</i> (<i>Quadraspidotus</i>) <i>forbesi</i> John.
<i>Quadraspidotus juglansregiae</i> (Comstock) (QUAD-rass-pid-ee-OH-tus JEW-glans-REE-gee-ee)	walnut scale†	<i>Aspidiotus juglans-regiae</i> Comst. <i>Aspidiotus</i> (<i>Quadraspidotus</i>) <i>juglans-regiae</i> Comst.
<i>Quadraspidotus perniciosus</i> (Comstock) (QUAD-rass-pid-ee-OH-tus per-NISS-ee-OH-sus)	San Jose scale†	<i>Aspidiotus perniciosus</i> Comst. <i>Aspidiotus</i> (<i>Quadraspidotus</i>) <i>perniciosus</i> Comst.
<i>Quadraspidotus taxodii</i> Ferris (QUAD-rass-pid-ee-OH-tus tax-OH-dee-eye)	bald cypress scale	
<i>Quernaspis quercus</i> (Comstock) (kwur-NASS-pis KWUR-cus)	oak scale	<i>Chionaspis quercus</i> Comst. <i>Chionaspis</i> (<i>Quernaspis</i>) <i>quercus</i> Comst.
<i>Radionaspis indica</i> (Marlatt) (RAY-dee-oh-NASS-pis INN-dick-a)	mango scale	<i>Leucaspis indica</i> Marlatt <i>Leucaspis</i> (<i>Radionaspis</i>) <i>indica</i> Marl.

1KEY: long a = AYE; long e = EE; long i = EYE; long o = OH.

*Scientific names which have been used in Division of Plant Industry publications.

†Entomological Society of America approved common name.

Scientific Name	Common Name	Synonymy*
<i>Rhizaspidotus dearnessi</i> (Cockerell) (rye-ZASS-pid-ee-OH-tus DEAR-ness-eye)	dearness scale	<i>Targionia dearnessi</i> (Ckll.) <i>Targionia</i> (<i>Rhizaspidotus</i>) <i>dearnessi</i> (Ckll.)
<i>Selenaspides articulatus</i> (Morgan) (SELL-eh-NASS-pid-us ar-TIC-you-LAY-tus)	rufous scale	
<i>Situlaspis yuccae</i> (Cockerell) (SITT-you-LASS-pis YUK-kee)	small situlaspis scale	
<i>Unaspis citri</i> (Comstock) (you-NASS-pis SIT-rye)	citrus snow scale	<i>Chionaspis citri</i> Comst.
<i>Unaspis euonymi</i> (Comstock) (you-NASS-pis you-ON-i-my)	euonymus scale†	<i>Chionaspis euonymi</i> Comst.
<i>Velataspis dentata</i> (Hoke) (VELL-ah-TASS-pis den-TAY-ta)	dentate scale	<i>Lepidosaphes dentata</i> (Hoke)

¹KEY: long a = AYE; long e = EE; long i = EYE; long o = OH.

*Scientific names which have been used in Division of Plant Industry publications.

†Entomological Society of America approved common name.

SCIENTIFIC NAME:

Abgrallaspis comstocki (Johnson)
(AB-grah-LASS-pis KOM-stock-eye)

COMMON NAME:

Comstock scale

DESCRIPTION OF ARMOR:**Female:**

Elongate, oval, flat, cream-buff, 1.5-2 mm long. Exuviae yellowish to reddish brown (Johnson, 1896).

Male:**(Preadult)**

Elongate, oval, cream-buff or grayish white, about 1 mm long and 0.5 mm long. Exuviae terminal (Johnson, 1896)

HABITAT:

Stem

HOSTS:

Persea sp.

DISTRIBUTION:

Palm Beach County (fig. 41).

REMARKS:

This scale is represented in FSCA by 1 slide collected by W. H. Pierce, Entomologist, DPI 6 March 1973, determined by S. Nakahara, USDA, APHIS. It is synonymized under *Aspidiotus ancylus* (Putnam) by Stannard (1965). The scale is of no known economic importance in Florida.

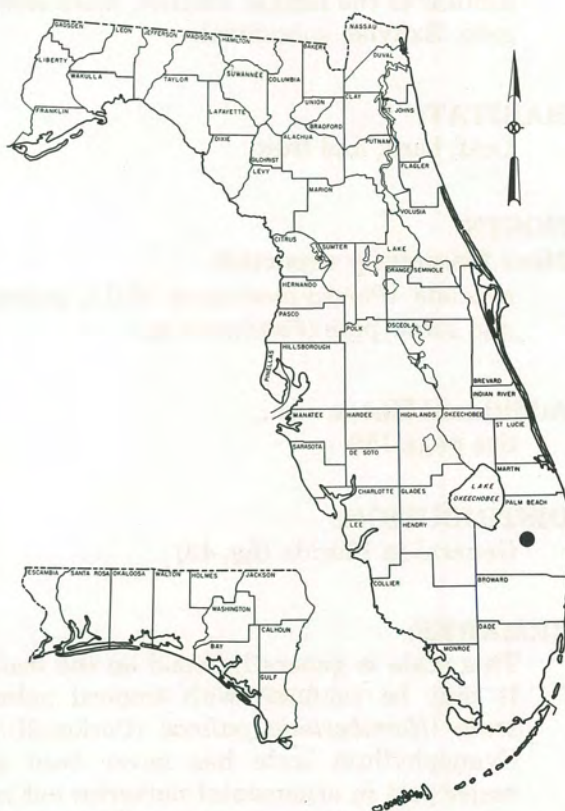


Fig. 41. Distribution of *Abgrallaspis comstocki* (Johnson), Comstock scale.

ABGRALLASPIIS

22

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Abgrallaspis cyanophylli (Signoret)
(AB-grah-LASS-pis cy-ah-NOFF-ill-eye)

COMMON NAME:

cyanophyllum scale

DESCRIPTION OF ARMOR:

Female:

Oval or triangular with points bluntly rounded when situated at a fold or along a vein on the under surface of the leaf; flat, thin, whitish, semitransparent, the yellow body of the insect showing through; greatest diam, or longest dimension when triangular, from 1-2.25 mm. Exuviae central, yellow, covered with a light colored secretion.

Male:

(Preadult)

Similar to the female, smaller, more elongate. Exuviae subcentral.

HABITAT:

Leaf, bark, and fruit

HOSTS:

Most frequently reported:

avocado (*Persea americana* Mill.), palms,
and screw pine (*Pandanus* sp.)

Additional Hosts:

See page 159.

DISTRIBUTION:

General in Florida (fig. 43)

REMARKS:

This scale is generally found on the leaf. It may be confused with tropical palm scale (*Hemiberlesia palmae* (Cockerell)). Cyanophyllum scale has never been a major pest in ornamental nurseries but is often a serious pest of palms. Wasp parasites usually keep it under control.

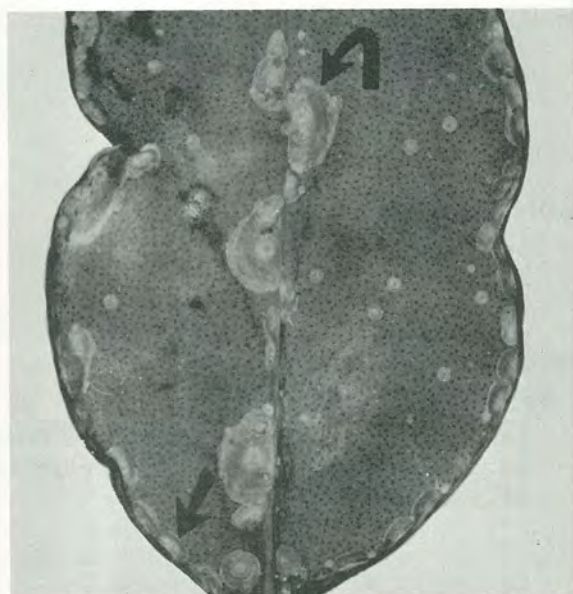


Fig. 42. *Abgrallaspis cyanophylli* (Signoret), cyanophyllum scale (X8). Straight arrow points to ♂; curved arrow points to ♀.

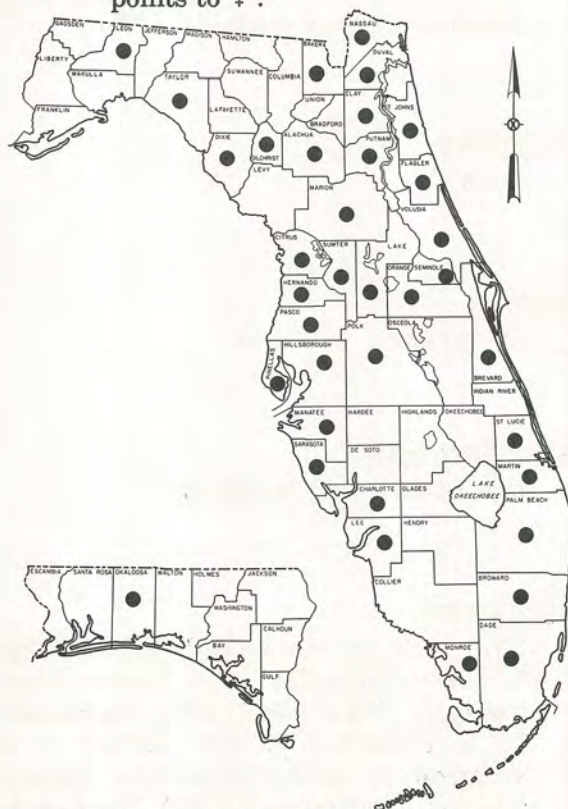


Fig. 43. Distribution of *Abgrallaspis cyanophylli* (Signoret), cyanophyllum scale.

SCIENTIFIC NAME:

Abgrallaspis howardi (Cockerell)
(AB-grah-LASS-pis HOW-ard-eye)

COMMON NAME:

Howard scale

DESCRIPTION OF ARMOR:**Female:**

Circular or oval, slightly convex, thin, whitish; 1.5-2 mm in diam. Exuviae sub-central.

Male:**(Preadult)**

Similar to female but smaller, more elongate.

HABITAT:

Leaf

HOSTS:

Aloe sp., dogfennel (*Eupatorium* sp.), red maple (*Acer rubrum* L.), and Spanish bayonet (*Yucca aloifolia* L.)

DISTRIBUTION:

Baker, Columbia, Hillsborough, Levy, Palm Beach, St. Lucie, Santa Rosa, Union, and Volusia counties (fig. 45)

REMARKS:

G. B. Merrill, deceased, Chief Entomologist, State Plant Board of Florida, found the scale apparently associated with a brown felt fungus (*Septobasidium* sp.). The scale is not common in Florida and is of no economic importance.

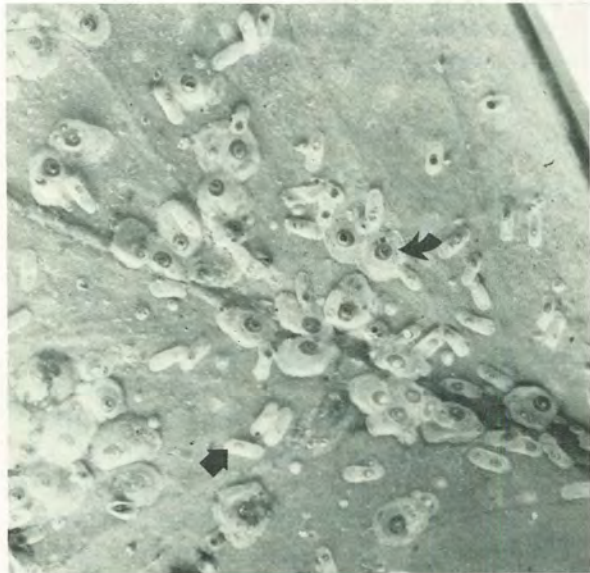


Fig. 44. *Abgrallaspis howardi* (Cockerell), Howard scale (X4). Curved arrow points to ♀; straight arrow points to ♂.



Fig. 45. Distribution of *Abgrallaspis howardi* (Cockerell), Howard scale.

ABGRALLASPIIS

24

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Abgrallaspis townsendi (Cockerell)
(AB-grah-LASS-pis TOWN-send-eye)

COMMON NAME:

Townsend scale

DESCRIPTION OF ARMOR:

Female:

Circular or slightly oval, flat, thin, grayish-white or nearly transparent; 1.5 mm in diam. Exuviae approximately central and pale orange (Cockerell, 1896).

Male:

(Preadult)

Elongate, exuviae terminal (Cockerell, 1896).

HABITAT:

Leaf and stem

HOSTS:

Most frequently reported:
holly (*Ilex* sp.) and
magnolia (*Magnolia* sp.)

DISTRIBUTION:

Alachua, Charlotte, Clay, Jefferson, Leon, Levy, Okaloosa, Polk, Putnam, and Volusia counties (fig. 46)

REMARKS:

The scale is not known to be of economic importance in Florida.

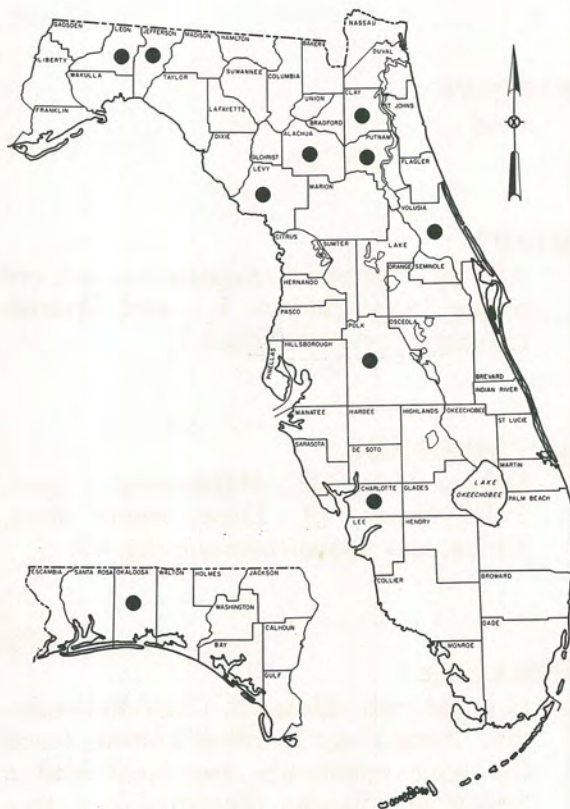


Fig. 46. Distribution of *Abgrallaspis townsendi* (Cockerell), Townsend scale.

SCIENTIFIC NAME:

Acutaspis morrisonorum Kosztarab
(ak-you-TASS-pis MORR-i-son-O-rum)

COMMON NAME:

round conifer scale

DESCRIPTION OF ARMOR:**Female:**

Circular, flat, dark reddish brown to black, opaque; 1.5-2 mm in diam. Exuviae central; first exuviae ringed with white. When examined with a hand lens, the secretory cover appears to be constructed of concentric rings.

Male:**(Preadult)**

Not observed.

HABITAT:

Leaf

HOSTS:

arborvitae (*Thuja* sp.), *Juniperus* sp., slash pine (*Pinus elliottii* Engelm), stinking cedar (*Torreya taxifolia* Arn.), and white cedar (*Chamaecyparis thyoides* (L.) B.S.P.)

DISTRIBUTION:

Alachua, Dade, Hillsborough, Lake, Lee, Leon, Levy, Liberty, Manatee, Marion, Martin, Orange, Polk, Putnam, St. Johns, and Volusia counties (fig. 48)

REMARKS:

The scale has been in Florida for many years but has been misidentified as red bay scale (*Acutaspis perseae* (Comstock)). Professor Erdman West, deceased, Mycologist, Florida Agricultural Experiment Station, collected the first specimens represented in The Florida State Collection of Arthropods slide collection, at Interlachen, Putnam County, Florida. The armor of round conifer scale is almost identical to red bay scale. Round conifer scale has been found only on conifers in Florida. The scale is not known to be of economic importance.

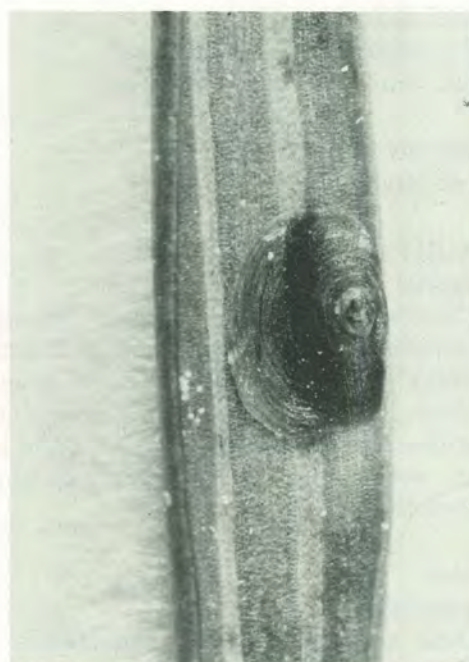


Fig. 47. *Acutaspis morrisonorum* Kosztarab, round conifer scale (X15).



Fig. 48. Distribution of *Acutaspis morrisonorum* Kosztarab, round conifer scale.

SCIENTIFIC NAME:

Acutaspis perseae (Comstock)
(ak-you-TASS-pis PER-see-ee)

COMMON NAME:

red bay scale

DESCRIPTION OF ARMOR:**Female:**

Circular, flat, dark reddish brown to chocolate brown, opaque; 1.25-2 mm in diam. Exuviae central, dark gray to almost black; first exuviae ringed with white. When examined with a hand lens, the secretory cover appears to be constructed of concentric rings.

Male:**(Preadult)**

Oval and smaller than the female. Exuviae black, sublateral.

HABITAT:

Leaf, fruit, and bark

HOSTS:**Most frequently reported:**

bull bay (*Magnolia grandiflora* L.)
coontie (*Zamia integrifolia* Ait.)

Additional Hosts:

See page 163

DISTRIBUTION:

Alachua, Baker, Broward, Charlotte, Clay, Dade, Hillsborough, Jefferson, Lake, Leon, Liberty, Martin, Orange, Polk, Putnam, St. Lucie, Sarasota, Seminole, Sumter, and Volusia counties (fig. 50)

REMARKS:

The armors of red bay scale, round conifer scale, and orchid scale are similar. Because of their similarity, determinations of red bay scale on unmounted specimens from orchids and conifers must be questioned. The scale is not considered an economic pest in Florida.



Fig. 49. *Acutaspis perseae* (Comstock), red bay scale (X15).

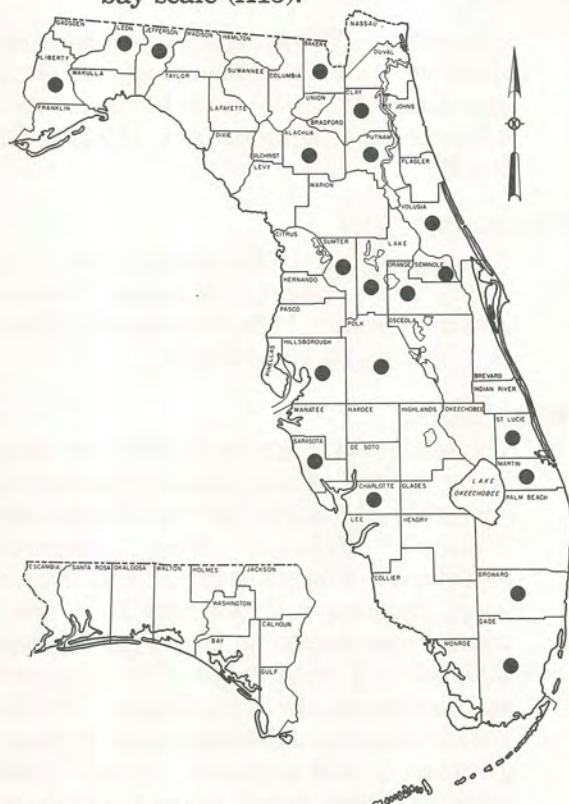


Fig. 50. Distribution of *Acutaspis perseae* (Comstock), red bay scale.

SCIENTIFIC NAME:

Andaspis hawaiiensis (Maskell)
(an-DASS-pis hah-wah-YEN-sis)

PROPOSED COMMON NAME:

Hawaiian scale

DESCRIPTION OF ARMOR:**Female:**

Oystershell-shaped, flat, thin, pale brown to dark brown, transparent; 1.5-4 mm long. Exuviae terminal, dull copper in color, $\frac{1}{4}$ the length of the armor.

Male:**(Preadult)**

Similar to the female, smaller; 0.75-2 mm long. Exuviae terminal.

HABITAT:

Bark

HOSTS:**Most frequently reported:**

heather (*Calluna* sp.), henna (*Lawsonia* sp.), and tupelo gum (*Nyssa sylvatica* Marsh.)

Additional Hosts:

See page 164

DISTRIBUTION:

Dade, Duval, Hillsborough, Manatee, Palm Beach, Pinellas, Polk, and Putnam counties (fig. 51)

REMARKS:

The armor is difficult to detect as it is usually covered with the outer layers of the bark. It is sometimes distorted when fitted into the indentations of the bark which makes it appear irregular. It has been collected only a few times in Florida and is not known to be of economic importance.



Fig. 51. Distribution of *Andaspis hawaiiensis* (Maskell), Hawaiian scale.

SCIENTIFIC NAME:

Andaspis mackieana (McKenzie)
(an-DASS-pis mack-ee-AYE-na)

COMMON NAME:

Mackie scale

DESCRIPTION OF ARMOR:**Female:**

Slender oystershell or elongate in shape, moderately convex, brown to whitish, generally light brown; 1.25-2 mm long. Exuviae terminal, straw-colored, about $\frac{1}{4}$ the length of the armor.

Male:**(Preadult)**

Similar to female but much smaller.

HABITAT:

Stem

HOSTS:

orchid (*Dendrobium* sp.)

DISTRIBUTION:

Dade, Orange, and Polk counties (fig. 53)

REMARKS:

This scale has been recorded only on *Dendrobium* species of orchids (McKenzie, 1957). It was collected for the first time in Florida at Lakeland in 1948. It is not an economic pest of orchids in Florida.



Fig. 52. *Andaspis mackieana* (McKenzie), Mackie scale (X10).

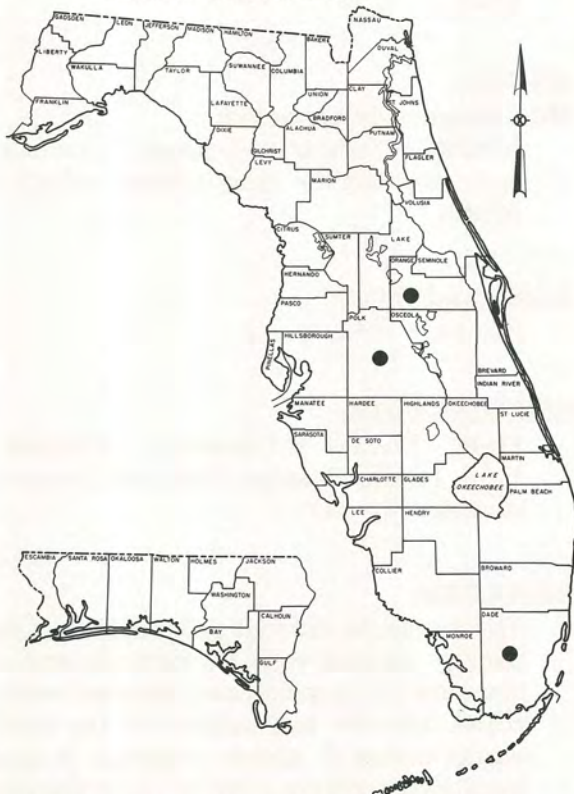


Fig. 53. Distribution of *Andaspis mackieana* (McKenzie), Mackie scale.

SCIENTIFIC NAME:

Aonidia atlantica Ferris
(A-oh-NID-ee-ah at-LAN-ti-ka)

PROPOSED COMMON NAME:

juniper needle scale

DESCRIPTION OF ARMOR:**Female:**

Elongate oval, moderately to slightly convex, light gray or yellowish brown; 0.5-0.9 mm long. Euviae subcentral to submarginal; first exuvia usually covered with a whitish secretion.

Male:**(Preadult)**

Not observed

HABITAT:

Leaf (needle)

HOSTS:

Juniperus sp.

DISTRIBUTION:

Hillsborough County (fig. 54)

REMARKS:

There has been only one collection of this scale in Florida. W. R. Lyle collected it at Tampa, Hillsborough County, Florida on 7 April 1941. The infested tree originated in Tennessee or one of the Carolinas, and was destroyed in Tampa several years ago. It is doubtful that this scale is established in Florida. Microslide mounts are deposited in the FSCA at Gainesville.

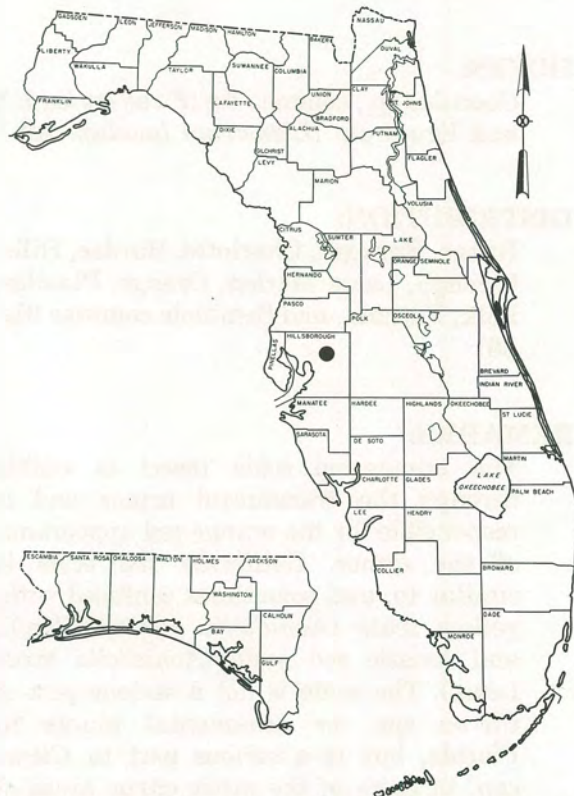


Fig. 54. Distribution of *Aonidia atlantica* Ferris, juniper needle scale.

AONIDIELLA

30

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Aonidiella aurantii (Maskell)
(A-oh-NID-ee-ELLA awe-RAN-tee-eye)

COMMON NAME:

California red scale

DESCRIPTION OF ARMOR:

Female:

Circular, flat, appears orange-red, translucent, margin parchment-like; 1.75 mm in diam. Exuviae central or subcentral.

Male:

(Preadult)

Elongated, smaller, similar to the female in color.

HABITAT:

Leaf, stem, trunk, and fruit

HOSTS:

Cocculus sp., common fig (*Ficus carica* L.), and ligustrum (*Ligustrum lucidum* Ait.).

DISTRIBUTION:

Baker, Broward, Charlotte, Hardee, Hillsborough, Lake, Marion, Orange, Pinellas, Polk, Putnam, and Seminole counties (fig. 56)

REMARKS:

The orange-red scale insect is visible through the translucent armor and is responsible for the orange-red appearance of the armor. California red scale is similar to, and sometimes confused with, yellow scale (*Aonidiella citrina* (Coq.)), and Asiatic red scale (*Aonidiella taxus* Leon.). The scale is not a serious pest of *Citrus* spp. or ornamental plants in Florida, but is a serious pest to *Citrus* spp. in some of the other citrus areas of the world. The scale is not common in Florida.



Fig. 55. *Aonidiella aurantii* (Maskell), California red scale (X8). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 56. Distribution of *Aonidiella aurantii* (Maskell), California red scale.

SCIENTIFIC NAME:

Aonidiella citrina (Coquillett)
(A-oh-NID-ee-ELLA si-TRY-na)

COMMON NAME:

yellow scale

DESCRIPTION OF ARMOR:**Female:**

Circular, flat, yellow or coppery white, semitransparent; about 1.75 mm in diam. Exuviae central or subcentral. Ventral protective cover well developed.

Male:**(Preadult)**

Similar to female but smaller, more elongated. Exuviae sublateral.

HABITAT:

Leaf, twigs, and fruit

HOSTS:

Carissa (*Carissa grandiflora* A. DC.),
Citrus spp., *Euonymus* sp., and *Ligustrum lucidum* Ait.

Additional Hosts:

See page 165

DISTRIBUTION:

Alachua, Baker, Brevard, Broward, Charlotte, Dade, DeSoto, Hardee, Highlands, Hillsborough, Indian River, Lake, Manatee, Marion, Orange, Pasco, Polk, St. Lucie, Seminole, and Volusia counties (fig. 58)

REMARKS:

The mature insect is kidney-shaped and visible through the armor. The scale is usually found on the foliage. It may be confused with California red scale (*Aonidiella aurantii* (Maskell)) and Asiatic red scale (*Aonidiella taxus* Leonardi) but can be distinguished from them by its light yellow color. The scale is sometimes an economic pest of citrus.

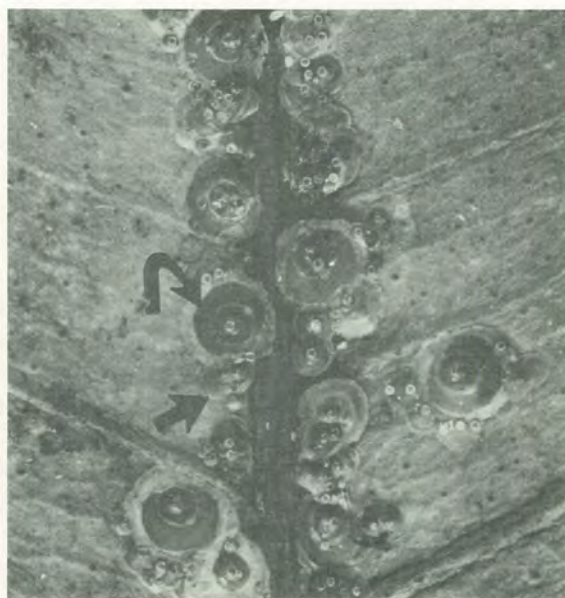


Fig. 57. *Aonidiella citrina* (Coquillett), yellow scale (X7) (After Merrill). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 58. Distribution of *Aonidiella citrina* (Coquillett), yellow scale.

SCIENTIFIC NAME:

Aonidiella orientalis (Newstead)
(A-oh-NID-ee-ELLA ore-ee-enn-TAY-lis)

COMMON NAME:

oriental scale

DESCRIPTION OF ARMOR:**Female:**

Circular or oval, flat, light yellowish brown, opaque, margin lighter; 1.5-2.6 mm in diam. Exuviae central or sub-central, polished, more transparent and darker than the remainder of the scale. First exuviae about $\frac{1}{2}$ the diam of the second exuviae; second exuviae somewhat less than $\frac{1}{3}$ the diam of the entire scale

Male:**(Preadult)**

Similar to female, smaller, slightly rectilinear

HABITAT:

Leaf, bark, and fruit

HOSTS:**Most frequently reported:**

coconut (*Cocos nucifera* L.) and other palms

Additional Hosts:

See page 165

DISTRIBUTION:

Alachua, Brevard, Broward, Charlotte, Collier, Dade, Hillsborough, Indian River, Lake, Lee, Leon, Manatee, Martin, Monroe, Orange, Palm Beach, Pinellas, Polk, Putnam, St. Lucie, Sarasota, Volusia, and Washington counties (fig. 60)

REMARKS:

The adult female armor is sometimes almost white. Oriental scale is frequently a serious pest on coconut palms. Ornamental nurseries in South Florida need to frequently inspect palms for this insect. Parasites and predators keep this scale from being a more serious pest to ornamentals in Florida.

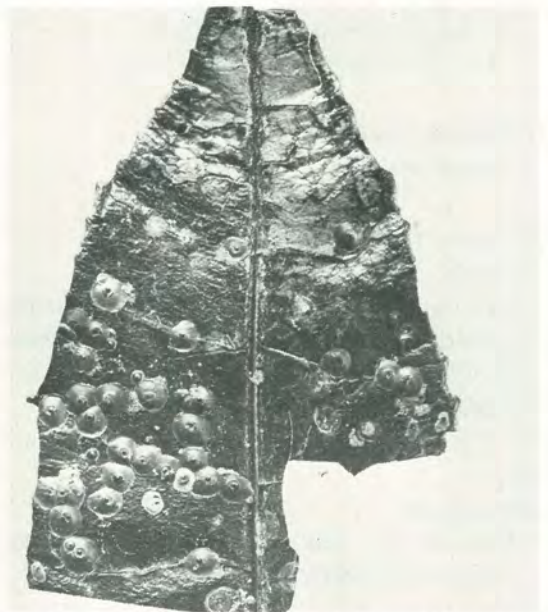


Fig. 59. *Aonidiella orientalis* (Newstead), oriental scale (Slightly enlarged) (After Merrill).



Fig. 60. Distribution of *Aonidiella orientalis* (Newstead), oriental scale.

SCIENTIFIC NAME:

Aonidiella taxus Leonardi
(A-oh-NID-ee-ELLA TAX-us)

COMMON NAME:

Asiatic red scale

DESCRIPTION OF ARMOR:**Female:**

Circular, flat, red-brown, translucent;
1.75-2 mm in diam. Exuviae central to
subcentral.

Male:**(Preadult)**

Elongate oval, gray

HABITAT:

Leaf, seed cover, and receptacles

HOSTS:

Podocarpus (*Podocarpus macrophylla*
Don)

DISTRIBUTION:

Alachua, Baker, Brevard, Broward, Charlotte, Citrus, Collier, Columbia, Dade, Duval, Glades, Hendry, Hernando, Hillsborough, Indian River, Lake, Lee, Marion, Martin, Monroe, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Johns, St. Lucie, Seminole, Suwannee, and Volusia counties (fig. 62)

REMARKS:

This scale was reported for the first time in Florida in May 1955. C.E. Shepard, then plant inspector, collected the scale on *Podocarpus macrophylla* Don in a Miami nursery. The infested plants originated from a nursery in West Palm Beach, which on inspection, was found infested. The owner of the West Palm Beach nursery brought seeds from New Orleans, Louisiana to Florida prior to 1955. The seeds were apparently infested. Asiatic red scale is known to occur in New Orleans, Louisiana on *Podocarpus* spp. This scale has been confused with Florida red scale (*Chrysomphalus aonidum* (Linnaeus)) and dictyospermum scale (*Chrysomphalus dictyospermi* (Morgan)).



Fig. 61. *Aonidiella taxus* Leonardi, Asiatic red scale (X6). On leaf of *Podocarpus*.



Fig. 62. Distribution of *Aonidiella taxus* Leonardi, Asiatic red scale.

AONIDOMYTILUS

34

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Aonidomytilus albus (Cockerell)
(A-oh-NID-oh-MY-til-us AL-bus)

COMMON NAME:

cassava scale

DESCRIPTION OF ARMOR:

Female:

Oystershell-shaped, lateral margin straight or curved, convex, pale grayish white or pale brownish white, opaque; 1.75-2.5 mm long. Exuviae terminal, slightly darker than the remainder of the scale.

Male:

(Preadult)

Similar to female, smaller, more slender; 1-1.25 mm in length. Exuviae terminal.

HABITAT:

Bark and leaf

HOSTS:

Cassava (*Manihot* sp.), tea weed (*Sida carpinifolia* L.f.), sweet turner (*Turnera ulmifolia* L.), and sage (*Salvia* sp.)

DISTRIBUTION:

Columbia, Dade, Lee, Marion, and Monroe counties (fig. 64)

REMARKS:

This scale is not of economic importance in Florida.

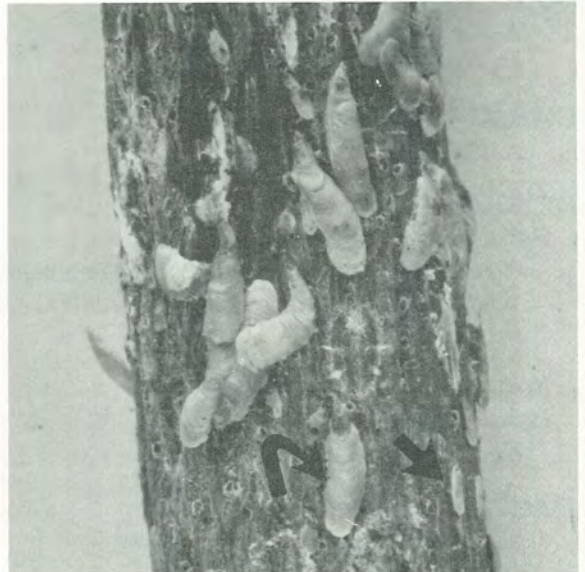


Fig. 63. *Aonidomytilus albus* (Cockerell), cassava scale (X7) (After Merrill). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 64. Distribution of *Aonidomytilus albus* (Cockerell), cassava scale.

SCIENTIFIC NAME:

Aonidomytilus hyperici Ferris
(A-oh-NID-oh-MY-til-us
high-PER-iss-eye)

PROPOSED COMMON NAME:

hypericum scale

DESCRIPTION OF ARMOR:**Female:**

Long, slender, moderately convex, pale brown to white, opaque, about 1/6 as wide as long; 1-1.75 mm long. Exuviae terminal, straw color.

Male:**(Preadult)**

Cottony white, much smaller than female. Exuviae terminal.

HABITAT:

Leaf, twigs, and bark

HOSTS:

Hypericum sp. and St. Andrews cross
(*Ascyrum hypericoides* L.)

DISTRIBUTION:

Baker and Jefferson counties (fig. 65)

REMARKS:

Hypericum scale has been found in Macclenny and Monticello, Florida. The female armor is very inconspicuous, while the preadult male is easily detected by the cottony white secretion which covers the armor. This scale is of no known economic importance in Florida.



Fig. 65. Distribution of *Aonidomytilus hyperici* Ferris, hypericum scale.

SCIENTIFIC NAME:

Aonidomytilus multiglandulatus Kosztarab
(A-oh-NID-oh-MY-til-us
mul-ti-GLAND-you-LAY-tus)

PROPOSED COMMON NAME:

St. Johnswort scale

DESCRIPTION OF ARMOR:**Female:**

Oystershell-shaped, light brown, yellowish white toward apex. Length 2.3 mm; exuviae apical, orange yellow (Kosztarab, 1963).

Male:**(Preadult)**

Males not known (Kosztarab, 1963).

HABITAT:

On peeling bark of twigs
(Kosztarab, 1963)

HOSTS:

Hypericum sp.

DISTRIBUTION:

Jefferson County (fig. 66)

REMARKS:

The species is represented by 2 slides in the FSCA which were collected by R. A. Knight, Monticello, Florida in 1939, and determined by S. Nakahara in 1973. The scale is of no known economic importance in Florida.

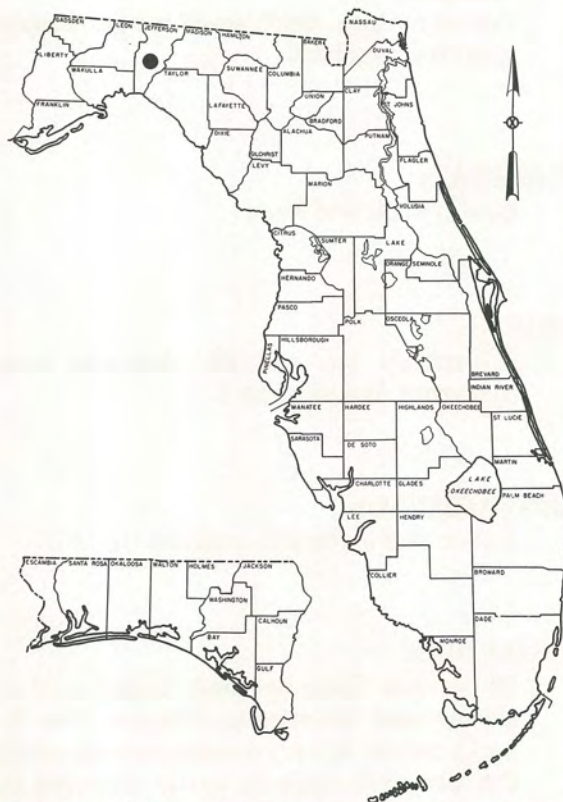


Fig. 66. Distribution of *Aonidomytilus multiglandulatus* Kosztarab, St. Johnswort scale.

SCIENTIFIC NAME:

Aonidomytilus solidaginis (Hoke)
(A-oh-NID-oh-MY-til-us
sol-i-DAY-gin-iss)

PROPOSED COMMON NAME:

goldenrod scale

DESCRIPTION OF ARMOR:**Female:**

Long, slender, lateral margin straight or curved, pale brown to white, opaque; 1.75-2.5 mm long. Exuviae terminal, yellowish.

Male:**(Preadult)**

Similar to female but much smaller.

HABITAT:

Bark, leaf, and root

HOSTS:**Most frequently reported:**

dog-fennel (*Eupatorium capillifolium* (Lam.) Small) and groundsel (*Baccharis halimifolia* L.)

Additional Hosts:

See page 167

DISTRIBUTION:

Brevard, Broward, Collier, Dade, Hillsborough, Indian River, Levy, Martin, Okeechobee, Palm Beach, Pasco, Polk, and Seminole counties (fig. 67)

REMARKS:

This scale is not of economic importance in Florida.

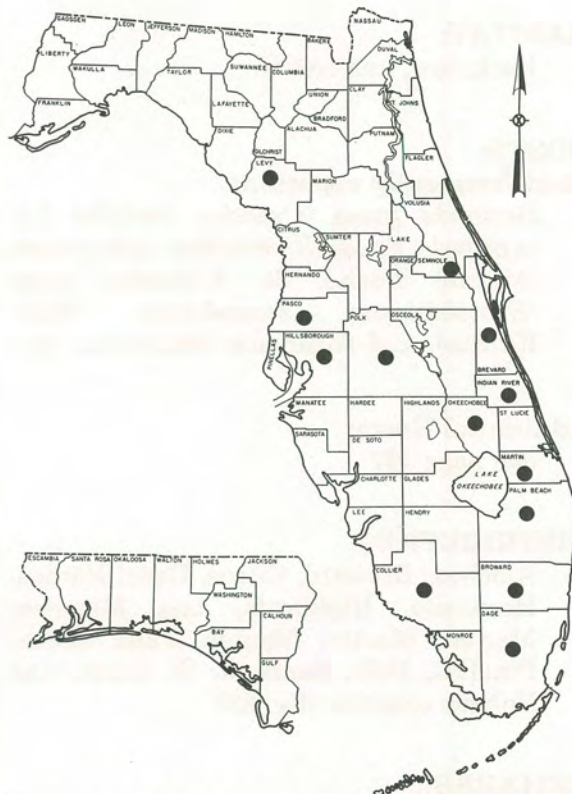


Fig. 67. Distribution of *Aonidomytilus solidaginis* (Hoke), goldenrod scale.

ASPIDIELLA

38

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Aspidiella sacchari (Cockerell)
(ass-PID-ee-ELLA SACK-ar-eye)

COMMON NAME:

sugarcane scale

DESCRIPTION OF ARMOR:

Female:

Approximately circular, convex, light grayish brown or slightly purplish brown, opaque; 0.75-1.25 mm in diam. Exuviae central or subcentral, covered with secretion, light yellow.

Male:

(Preadult)

Similar to female; about 0.75 mm long and 0.25 mm wide. Exuviae marginal light yellow.

HABITAT:

Bark, leaf, and crown

HOSTS:

Most frequently reported:

Bermuda grass (*Cynodon dactylon* L.), centipede grass (*Eremochloa ophiuroides* (Munro) Hack.), St. Augustine grass (*Stenotaphrum secundatum* (Walt. Kuntze), and sugarcane (*Saccharum* sp.)

Additional Hosts:

See page 167

DISTRIBUTION:

Alachua, Broward, Citrus, Dade, Hardee, Hernando, Highlands, Lee, Manatee, Marion, Martin, Monroe, Palm Beach, Pinellas, Polk, Sarasota, St. Lucie, and Volusia counties (fig. 69)

REMARKS:

The scale is a pest of sugarcane and lawn grasses in Florida.



Fig. 68. *Aspidiella sacchari* (Cockerell), sugarcane scale (X6) (Inset X20).

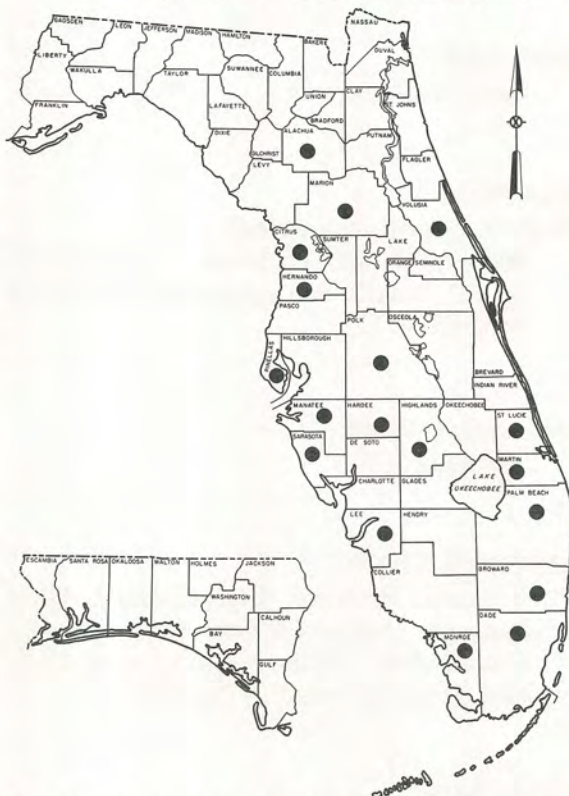


Fig. 69. Distribution of *Aspidiella sacchari* (Cockerell), sugarcane scale.

SCIENTIFIC NAME:

Aspidiotus destructor Signoret
(ass-PID-ee-OH-tus de-STRUCK-tor)

COMMON NAME:

coconut scale

DESCRIPTION OF ARMOR:

Female:

Approximately circular, flat, thin, faint yellow, transparent; 1.75-2 mm in diam. Exuviae central or subcentral, pale to deep yellow.

Male:

(Preadult)

Oval oblong, faint yellow, smaller than the female. Exuviae subcentral.

HABITAT:

Leaf, bark, and fruit

HOSTS:

Most frequently reported:

coconut (*Cocos nucifera* L.) and screw pine (*Pandanus* sp.)

Additional Hosts:

See page 168

DISTRIBUTION:

Alachua, Brevard, Broward, Collier, Dade, Hernando, Hillsborough, Lee, Manatee, Martin, Monroe, Orange, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Johns, St. Lucie, Sarasota, Seminole, and Volusia counties (fig. 71)

REMARKS:

The scale armor resembles a fried egg, "sunny-side up." It occurs most frequently on the leaf of its host. Occasionally it is a serious pest of the coconut palm. Parasites usually keep this scale under control.



Fig. 70. *Aspidiotus destructor* Signoret, coconut scale (X7).



Fig. 71. Distribution of *Aspidiotus destructor* Signoret, coconut scale.

SCIENTIFIC NAME:

Aspidiotus excisus Green
(ass-PID-ee-OH-tus ek-SIZE-us)

PROPOSED COMMON NAME:

aglaonema scale

DESCRIPTION OF ARMOR:

Female:

Approximately circular, very irregular in shape when crowded; slightly convex, dirty white to faint yellow, armor thin and semitransparent. 1-1.5 mm in diam. Exuviae is central to subcentral and yellowish.

Male:

(Preadult)

Oblong, the same color as the female. Approximately 1 mm long and 0.75 mm wide.

HABITAT:

Leaf and stem

HOSTS:

Aglaonema spp.

DISTRIBUTION:

Broward, Dade, Duval, Hillsborough, Orange, and Pinellas counties (fig. 73)

REMARKS:

This scale apparently became established in Florida by the importation of infested foliage cuttings from Puerto Rico. It is an economic pest in nurseries whenever controls are neglected.



Fig. 72. *Aspidiotus excisus* Green, aglaonema scale (X5) straight arrow points to ♂; curved arrow to ♀.



Fig. 73. Distribution of *Aspidiotus excisus* Green, aglaonema scale.

SCIENTIFIC NAME:

Aspidiotus marisci Tippins & Beshear
(ass-PID-ee-OH-tus ma-RIS-cye)

PROPOSED COMMON NAME:

sawgrass scale

DESCRIPTION OF ARMOR:

Female:

Circular, flat, gray; 2 mm in diam.
Exuviae central and yellow (Tippins and
Beshear, 1971)

Male:

(Preadult)

Similar to female but elongate oval
(Tippins and Beshear, 1971)

HABITAT:

Stem and upper leaf surface

HOSTS:

sawgrass (*Cladium jamaicensis* Crantz)

DISTRIBUTION:

Dade, Hardee, and Hernando counties
(fig. 74)

REMARKS:

The scale is of no known economic
importance in Florida. The common name
for this scale was suggested by H. H.
Tippins, University of Georgia.

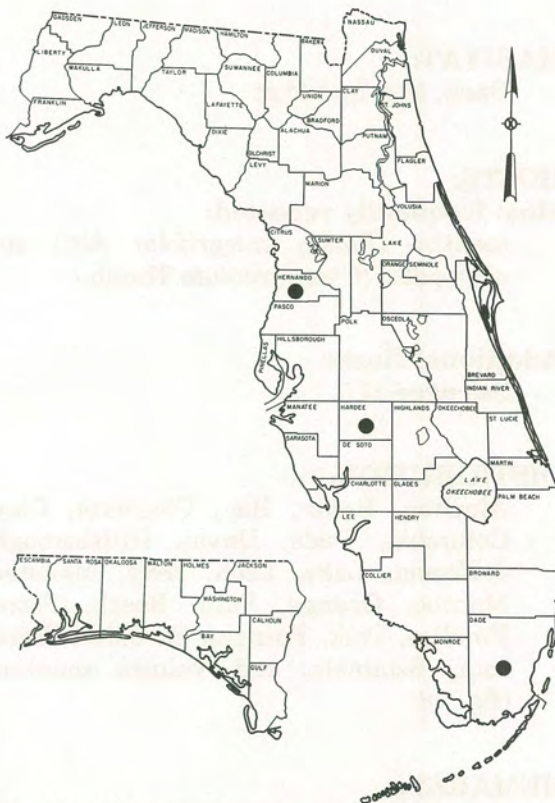


Fig. 74. Distribution of *Aspidiotus marisci*
Tippins and Beshear, sawgrass scale.

SCIENTIFIC NAME:

Aspidiotus nerii Bouché,
(ass-PID-ee-OH-tus NEE-ree-eye)

COMMON NAME:

oleander scale

DESCRIPTION OF ARMOR:

Female:

Circular to very irregular in shape, flat to convex, transparent white in the flat forms to an opaque light brown in the convex; 1-2 mm in diam. Exuviae central or subcentral, light yellow in the flat forms to light yellowish brown in the convex.

Male:

(Preadult)

Similar to female, including variation, but more elongated, smaller.

HABITAT:

Bark, leaf, and fruit

HOSTS:

Most frequently reported:

coontie (*Zamia integrifolia* Ait.) and
sago-palm (*Cycas revoluta* Thunb.)

Additional Hosts:

See page 171

DISTRIBUTION:

Alachua, Baker, Bay, Charlotte, Clay, Columbia, Dade, Duval, Hillsborough, Jefferson, Lake, Leon, Levy, Manatee, Monroe, Orange, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Johns, Sarasota, Seminole, and Volusia counties. (fig. 76)

REMARKS:

This scale is of no known economic importance in Florida.



Fig. 75. *Aspidiotus nerii* Bouché, oleander scale (Enlarged) (After Essig).

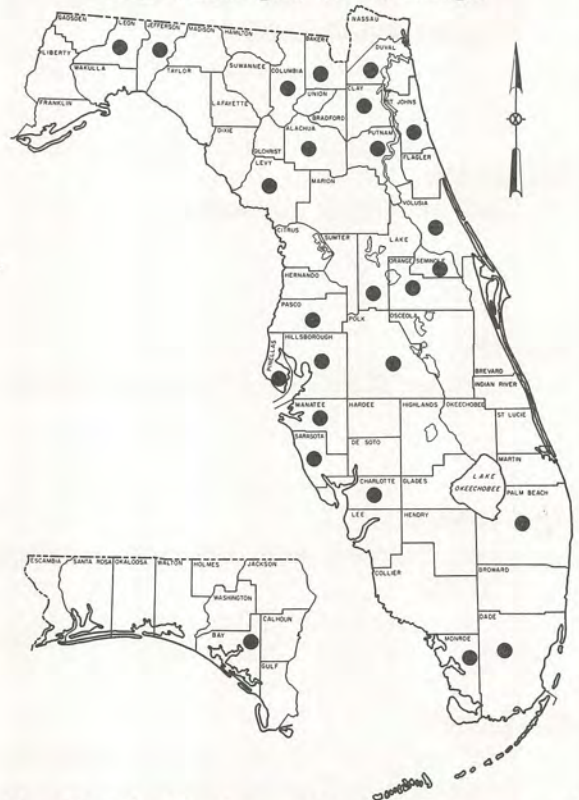


Fig. 76. Distribution of *Aspidiotus nerii* Bouché, oleander scale.

SCIENTIFIC NAME:

Aspidiotus spinosus Comstock
(ass-PID-ee-OH-tus spy-NO-sus)

COMMON NAME:

spinose scale

DESCRIPTION OF ARMOR:

Female:

Circular, slightly convex, light brown to a rather dirty white, opaque; 1-1.5 mm in diam. Exuviae central, covered with secretion.

Male:

(Preadult)

Similar to female, smaller, more elongated. Exuviae sublateral.

HABITAT:

Bark and leaf

HOSTS:

Most frequently reported:

camellia (*Camellia japonica* L.) and palms

Additional Hosts:

See page 172

DISTRIBUTION:

Alachua, Baker, Brevard, Citrus, Clay, Dade, DeSoto, Highlands, Hillsborough, Indian River, Jefferson, Lake, Lee, Levy, Madison, Manatee, Marion, Martin, Monroe, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Johns, St. Lucie, Seminole, Sumter, and Volusia counties (fig. 78)

REMARKS:

It is confused with latania scale (*Hemiberlesia lataniae* (Sign.)) and also tropical palm scale (*Hemiberlesia palmae* (Ckll.)). It can be separated from tropical palm scale usually by host association. A microslide mount is necessary to separate it from latania scale. The scale is not of economic importance in Florida.



Fig. 77. *Aspidiotus spinosus* Comstock, spinose scale (X18). Straight arrow points to ♀; curved arrow points to ♂.



Fig. 78. Distribution of *Aspidiotus spinosus* Comstock, spinose scale.

AULACASPIS

44

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Aulacaspis rosae (Bouché)
(awe-la-KASS-pis ROSE-ee)

COMMON NAME:

rose scale

DESCRIPTION OF ARMOR:

Female:

Circular, oval or irregular when crowded; flat, thin, white or dirty white, semi-opaque; 2-3 mm in diam. Exuviae marginal or submarginal, usually a dull yellowish brown.

Male:

(Preadult)

Rectilinear, dirty white, tricarinate; 1-1.5 mm long. Exuviae terminal, brown.

HABITAT:

Bark

HOSTS:

Most frequently reported:

blackberry (*Rubus* sp.) and rose (*Rosa* sp.)

Additional Hosts:

See page 174

DISTRIBUTION:

General in Florida (fig. 80)

REMARKS:

The scale is rarely a serious pest on roses since the commercial grower usually follows a spray program. This scale is not considered a pest of economic importance in Florida.



Fig. 79. *Aulacaspis rosae* (Bouché), rose scale. (X10). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 80. Distribution of *Aulacaspis rosae* (Bouché), rose scale.

SCIENTIFIC NAME:

Carulaspis juniperi (Bouché)
(kar-you-LASS-pis ju-NIP-urr-eye)

COMMON NAME:

juniper scale

DESCRIPTION OF ARMOR:**Female:**

Circular, white or whitish green, exuviae central (McKenzie, 1957).

Male:**(Preadult)**

Elongate, white and slightly tricarinate (McKenzie, 1957).

HABITAT:

Leaf

HOSTS:

Juniperus sp.

DISTRIBUTION:

St. Johns County (fig. 82)

REMARKS:

A slide of this species is in the USDA collection at Beltsville, Maryland. The specimens were collected on *Juniperus* sp. on the grounds of Fort Castillo de San Marco, St. Augustine, Florida by F. D. Bennett in 1951. Numerous collections from the same location have all been minute cypress scale, *Carulaspis minima* (Targioni-Tozzetti). A microslide mount is required to distinguish this scale from minute cypress scale.



Fig. 81. *Carulaspis juniperi* (Bouché), juniper scale (X10) (Inset X15), arrow points to ♀.

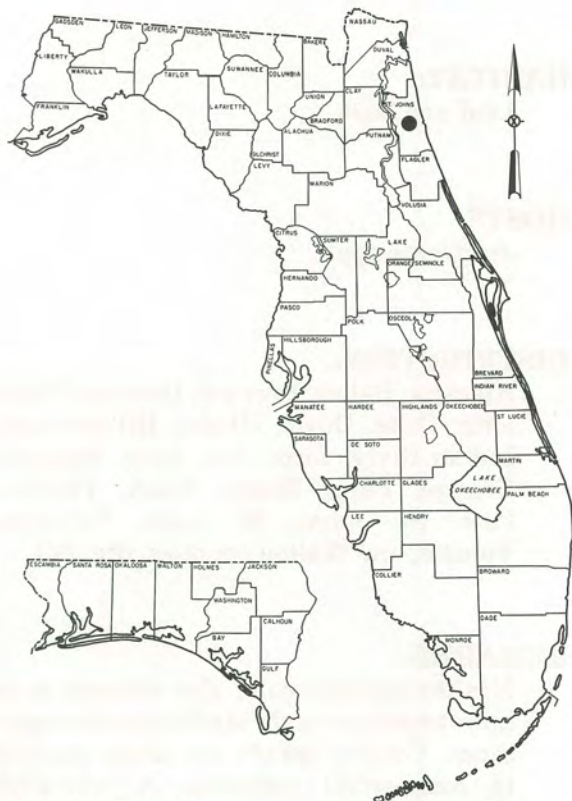


Fig. 82. Distribution of *Carulaspis juniperi* (Bouché), juniper scale.

CARULASPIS

46

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Carulaspis minima (Targioni-Tozzetti)
(kar-you-LASS-pis MIN-i-ma)

COMMON NAME:

minute cypress scale

DESCRIPTION OF ARMOR:

Female:

Circular to oval, flat, thin, white, parchment-like; 0.75-1 mm in diam. Exuviae central or subcentral, light yellow.

Male:

(Preadult)

Oblong oval, white, faintly tricarinate; 1 mm in length. Exuviae terminal, very light yellow.

HABITAT:

Leaf and bark

HOSTS:

Juniperus spp.

DISTRIBUTION:

Alachua, Baker, Brevard, Broward, Charlotte, Dade, Duval, Glades, Hillsborough, Indian River, Lake, Lee, Levy, Manatee, Orange, Palm Beach, Pasco, Pinellas, Polk, St. Johns, St. Lucie, Seminole, Volusia, and Walton counties, (fig. 84)

REMARKS:

Minute cypress scale, also referred to as minute juniper scale is of economic importance. Control sprays are often required in commercial nurseries. A microslide mount is required to distinguish this scale from juniper scale.



Fig. 83. *Carulaspis minima* (Targ.-Tozz.), minute cypress scale (X5). Inset ♀ (X15).



Fig. 84. Distribution of *Carulaspis minima* (Targ.-Tozz.), minute cypress scale.

DESCRIPTION OF SPECIES

47

SCIENTIFIC NAME:

Chionaspis americana Johnson
(kye-oh-NASS-pis amer-i-KAY-na)

COMMON NAME:

elm scurfy scale

DESCRIPTION OF ARMOR:

Female:

Pear-shaped, widest behind the middle, pure white (See remarks), opaque; 2-3.5 mm long. Exuviae terminal, $\frac{1}{2}$ the length of the scale, brown.

Male

(Preadult)

Long, slender; about 1 mm in length. Exuviae terminal, light yellow.

HABITAT:

Bark

HOSTS:

ash (*Fraxinus* sp.) and elm (*Ulmus* sp.)

DISTRIBUTION:

Columbia, Duval, Flagler, Marion, Putnam, and Volusia counties (fig. 86)

REMARKS:

The armor of the female is usually covered with particles of bark which cause the armor to appear dirty white. The male preadult may be found on the bark and the underside of the leaf along the midrib. Small yellow spots on the upper surface of infested leaves are caused by the male scale; these are visible to the naked eye. The scale is not of economic importance in Florida.



Fig. 85. *Chionaspis americana* Johnson, elm scurfy scale (X20). Curved arrow points to ♀ partially covered by particles of bark; straight arrow points to ♂.



Fig. 86. Distribution of *Chionaspis americana* Johnson, elm scurfy scale.

CHIONASPIS

48

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Chionaspis caryae Cooley
(kye-oh-NASS-pis CARRY-ee)

COMMON NAME:

hickory scale

DESCRIPTION OF ARMOR:

Female:

Pear-shaped, moderately convex, white or dirty white, opaque; 1.7-2 mm long. Exuviae terminal, pale yellow or brown; about 1/5 the length of the armor.

Male:

(Preadult)

Oblong or elliptical, dirty white, an indistinct median carina; 1 mm in length. Exuviae terminal, brownish; 1/3 the length of the armor.

HABITAT:

Bark

HOSTS:

pecan (*Carya illinoensis* Koch)

DISTRIBUTION:

Marion and Jefferson counties (fig. 88)

REMARKS:

The female armor is inconspicuous on the bark of pecan and very irregular in shape. When inspecting pecan for this scale, examine the terminal stems, especially beneath the new buds. The economic importance of this scale is unknown.

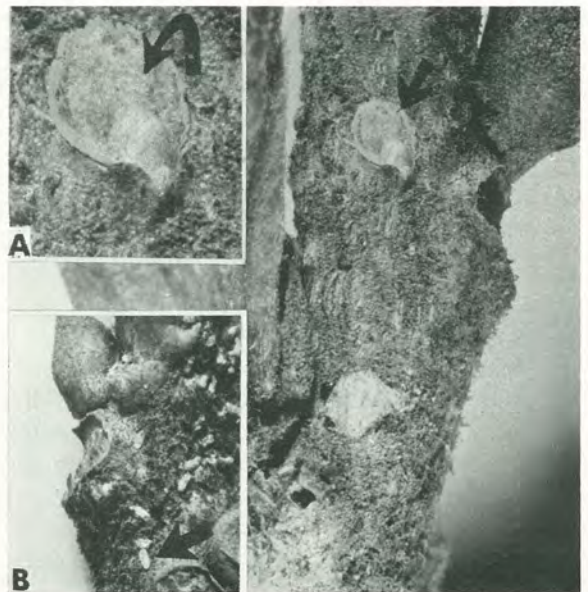


Fig. 87. *Chionaspis caryae* Cooley, hickory scale (X6). (A) Curved arrow points to ♀ (X12); (B) Straight arrow points to ♂ (X2).



Fig. 88. Distribution of *Chionaspis caryae* Cooley, hickory scale.

SCIENTIFIC NAME:

Chionaspis floridensis Takagi
(kye-oh-NASS-pis flo-ri-DEN-sis)

PROPOSED COMMON NAME:

river birch scale

DESCRIPTION OF ARMOR:**Female:**

Oystershell-shaped, flat, dirty white, opaque; 2.5-3 mm long. Exuviae terminal and brownish (Takagi, 1969).

Male:**(Preadult)**

Elongate, white; 1-1.75 mm long. Exuviae is terminal (Takagi, 1969).

HABITAT:

Stem

HOSTS:

ash (*Fraxinus* sp.)

DISTRIBUTION:

Columbia, Osceola, and Union counties (fig. 89)

REMARKS:

The scale is of no known economic importance in Florida. Type specimens are on deposit in FSCA.

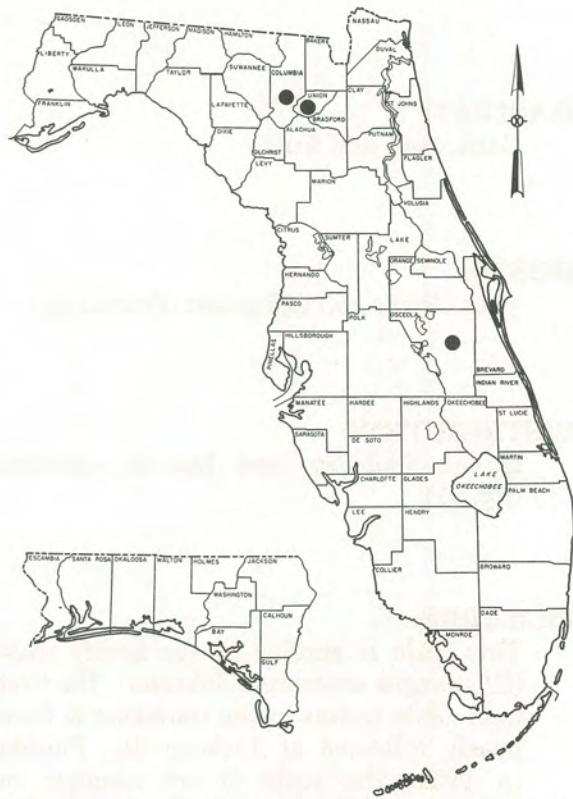


Fig. 89. Distribution of *Chionaspis floridensis* Takagi, river birch scale.

SCIENTIFIC NAME:

Chionaspis furfura (Fitch)
(kye-oh-NASS-pis FUR-fur-a)

COMMON NAME:

scurfy scale

DESCRIPTION OF ARMOR:**Female:**

Pear-shaped, flat, thin, white or grayish white, opaque; 2-3 mm long. Exuviae terminal; $\frac{1}{4}$ the length of the armor, yellowish brown.

Male:**(Preadult)**

Similar to *Chionaspis americana* Johnson.

HABITAT:

Bark, leaf, and fruit

HOSTS:

pear (*Pyrus* sp.) and peach (*Prunus* sp.)

DISTRIBUTION:

Duval, Gadsden, and Marion, counties (fig. 91)

REMARKS:

This scale is similar to elm scurfy scale (*Chionaspis americana* Johnson). The first microslide mount in the collection is from peach, collected at Jacksonville, Florida in 1924. The scale is not common in Florida and is not known to be of economic importance in Florida.

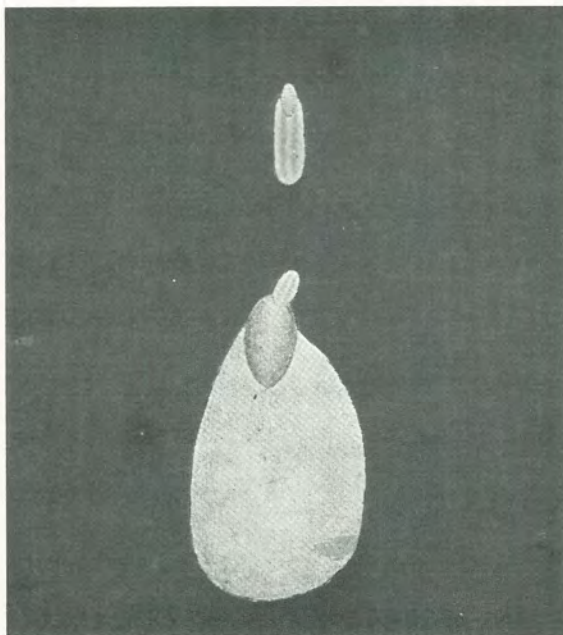


Fig. 90. *Chionaspis furfura* (Fitch), scurfy scale (X15) (After Cooley).



Fig. 91. Distribution of *Chionaspis furfura* (Fitch), scurfy scale.

SCIENTIFIC NAME:

Chionaspis heterophyllae (Cooley)
(kye-oh-NASS-pis HET-urr-AH-filly)

COMMON NAME:

pine scale

DESCRIPTION OF ARMOR:**Female:**

Sides usually parallel, pearl white; 3-4 mm long. Exuviae terminal; light yellow.

Male:**(Preadult)**

White, tricarinate; about 1 mm long.

HABITAT:

Leaf (needle)

HOSTS:

pine (*Pinus* sp.)

DISTRIBUTION:

Alachua, Baker, Bradford, Broward, Dade, Dixie, Duval, Flagler, Hernando, Hillsborough, Lafayette, Marion, Orange, Pasco, Pinellas, Polk, Putnam, Sarasota, Seminole, Union, Volusia, and Washington counties (fig. 93)

REMARKS:

The scale cannot be distinguished from pine needle scale (*Chionaspis pinifoliae* (Fitch)) unless a prepared microslide mount is available. This scale is not known to be of economic importance in Florida.

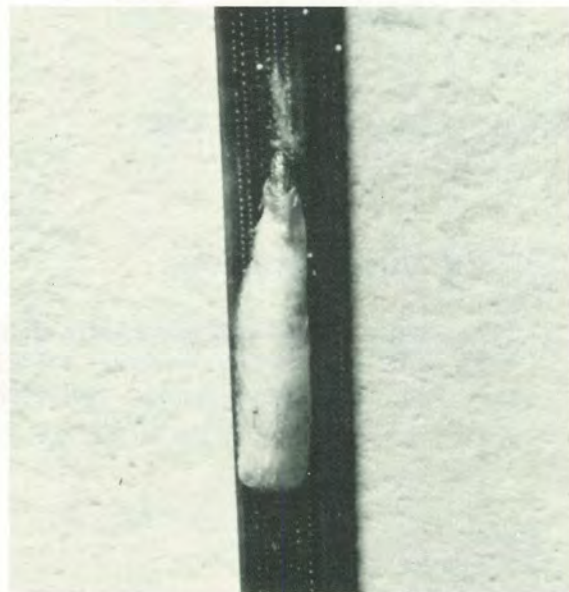


Fig. 92. *Chionaspis heterophyllae* (Cooley), pine scale (X10).



Fig. 93. Distribution of *Chionaspis heterophyllae* (Cooley), pine scale.

SCIENTIFIC NAME:

Chionaspis lintneri Comstock
(kye-oh-NASS-pis LINT-ner-eye)

PROPOSED COMMON NAME:

Lintner scale

DESCRIPTION OF ARMOR:**Female:**

Pear-shaped, broadened posteriorly, flat, thin, dirty white or snow-white; 2.5-3.2 mm long. Exuviae terminal, yellowish brown; 1 mm long. (Cooley, 1899).

Male:**(Preadult)**

Lateral margin parallel, tricarinate; 0.8-1 mm in length. Exuviae yellow or almost colorless; 2/5 the length of armor (Cooley, 1899).

HABITAT:

Bark

HOSTS:

storax (*Styrax pulverulenta* Michx.)

DISTRIBUTION:

Hardee County (fig. 95)

REMARKS:

There is only one record of this species from Florida represented in The Florida State Collection of Arthropods which was collected at Wauchula, Hardee County, Florida, 1931. The above description is based on R. A. Cooley's description found in: The Coccid Genera *Chionaspis* and *Hemichionaspis*, Massachusetts Agricultural Experiment Station Special Bulletin, Amherst, Massachusetts, 1899.

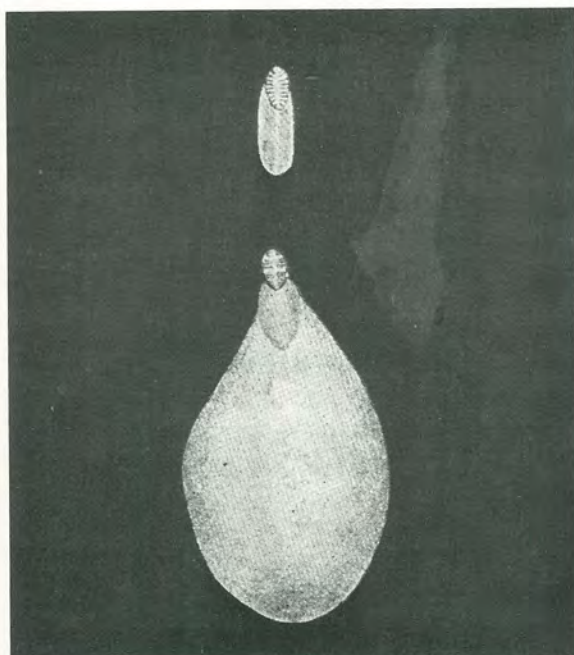


Fig. 94. *Chionaspis lintneri* Comstock, Lintner scale (X15) (After Cooley).

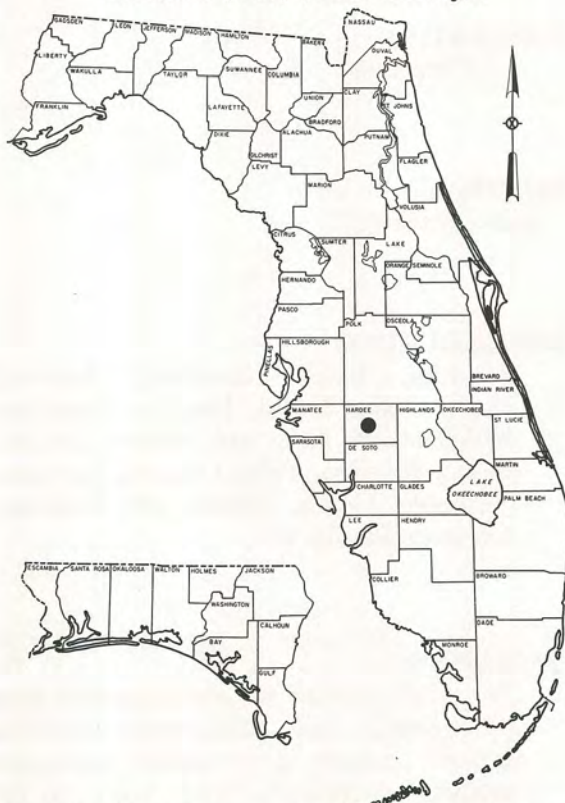


Fig. 95. Distribution of *Chionaspis lintneri* Comstock, Lintner scale.

SCIENTIFIC NAME:

Chionaspis longiloba Cooley
(kye-oh-NASS-pis longi-LOW-ba)

PROPOSED COMMON NAME:

longiloba scale

DESCRIPTION OF ARMOR:**Female:**

Oystershell-shaped, dirty white, opaque; 1.5-2 mm in diam. Exuviae terminal, yellow-brown.

Male:**(Preadult)**

Males smaller than the females, tricarinate. Exuviae brown.

HABITAT:

Bark

HOSTS:

willow (*Salix* sp.)

DISTRIBUTION:

Alachua, Dixie, Marion, Polk, and Putnam counties (fig. 97)

REMARKS:

The female armor is sometimes about the same color as the bark and difficult to detect. The species can be distinguished from other *Chionaspis* on willow when microslide mounts are available. Dr. Howard L. McKenzie, deceased, Associate Entomologist, Department of Entomology and Parasitology, University of California, kindly examined specimens and confirmed identification. Specimens are deposited in The FSCA and the Entomology and Parasitology Department, University of California, Davis.



Fig. 96. *Chionaspis longiloba* Cooley, longiloba scale (X2) (Inset X10). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 97. Distribution of *Chionaspis longiloba* Cooley, longiloba scale.

SCIENTIFIC NAME:

Chionaspis nyssae Comstock
(kye-oh-NASS-pis NIS-see)

COMMON NAME:

sour-gum scale

DESCRIPTION OF ARMOR:**Female:**

Oystershell-shaped, dirty white to light buff, opaque, may be elongated and rounded posteriorly or decidedly broadened and truncated posteriorly, giving the armor a triangular shape; 1.5-2 mm long. Exuviae terminal, brown.

Male:**(Preadult)**

Oval, faintly tricarinate, white; 0.6-1 mm in length. Exuviae terminal, small, semi-transparent, delicate; about 1/5 the length of the armor.

HABITAT:

Bark and leaf

HOSTS:

tupelo gum (*Nyssa sylvatica* Marsh.)

DISTRIBUTION:

Alachua, Baker, Columbia, Dixie, Escambia, Jefferson, Liberty, Marion, Orange, Osceola, Pasco, Polk, Santa Rosa, and Union counties (fig. 99)

REMARKS:

The scale occurs more frequently on the bark near the leaf buds. The scale is difficult to detect on the stems since most of the armor may be covered by a thin layer of bark. The first exuviae is shiny light brown and exposed. When the male armor is examined with the aid of a hand lens, the cast skin of the crawler appears transparent. The scale is not an economic pest in Florida.



Fig. 98. *Chionaspis nyssae* Comstock, sour-gum scale (X15). Straight arrow points to ♂; curved arrow ♀.

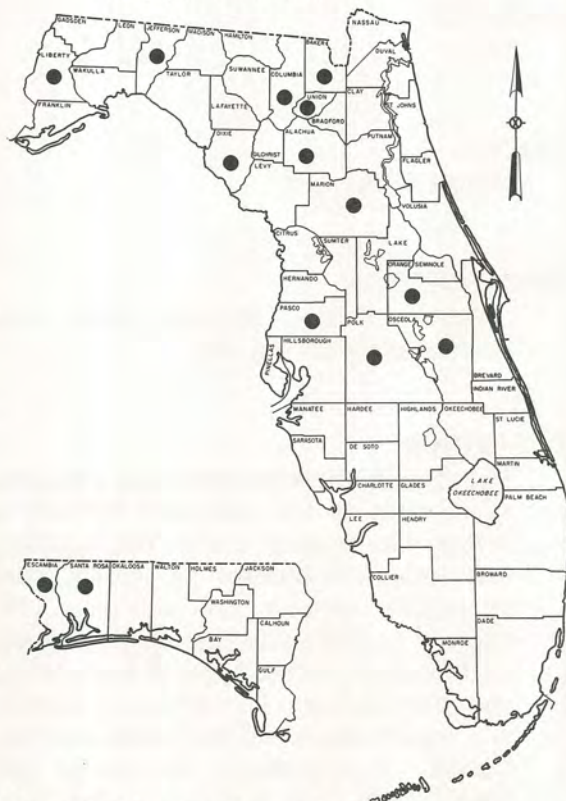


Fig. 99. Distribution of *Chionaspis nyssae* Comstock, sour-gum scale.

SCIENTIFIC NAME:

Chionaspis pinifoliae (Fitch)
(kye-oh-NASS-pis PIN-ee-FOH-lee-ee)

COMMON NAME:

pine needle scale

DESCRIPTION OF ARMOR:**Female:**

Sides usually parallel, glossy white; 3-4 mm long. Exuviae light yellow.

Male:**(Preadult)**

Elongate, slightly broadened posteriorly; white, tricarinate; about 1 mm long. Exuviae terminal; about $\frac{1}{3}$ the length of the scale; yellow or colorless.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

pine (*Pinus* sp.)

Additional Hosts:

See page 175

DISTRIBUTION:

Baker, Broward, Dade, Duval, Gulf, Hardee, Hillsborough, Holmes, Jefferson, Lake, Leon, Martin, Okeechobee, Orange, Osceola, Pinellas, Polk, St. Lucie, Taylor, Union, Volusia, and Wakulla counties (fig. 101)

REMARKS:

Pine needle scale cannot be separated from pine scale (*Chionaspis heterophyllae* (Cooley)) by armor characteristics. A prepared microslide mount is required for a specific identification. It is not considered an economic pest of pines in Florida.

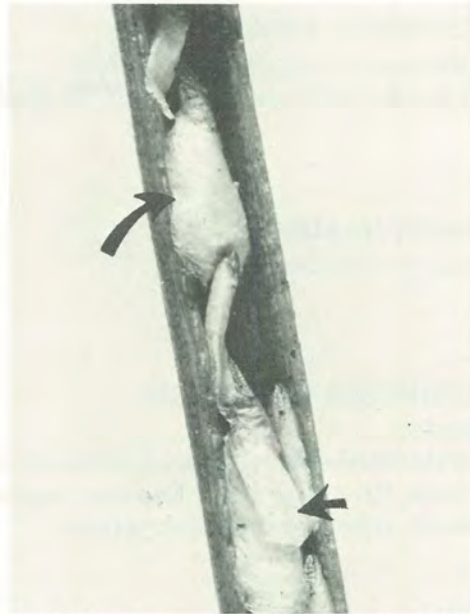


Fig. 100. *Chionaspis pinifoliae* (Fitch), pine needle scale (X18). Straight arrow points to ♂ ; curved arrow points to ♀ .



Fig. 101. Distribution of *Chionaspis pinifoliae* (Fitch), pine needle scale.

SCIENTIFIC NAME:

Chionaspis salicisnigrae (Walsh)
(kye-oh-NASS-pis SAL-i-sis-NYE-gree)

COMMON NAME:

black willow scale

DESCRIPTION OF ARMOR:**Female:**

Oystershell-shaped, convex, white or dirty white; 2.6-4 mm long. Exuviae terminal, small, yellow or brownish yellow.

Male:**(Preadult)**

Oval, lateral margin parallel or broadened posteriorly, white, faintly tricarinate; about 1 mm long. Exuviae terminal, yellow or brown; about $\frac{1}{3}$ the length of the armor.

HABITAT:

Bark and leaf

HOSTS:

willow (*Salix* sp.)

DISTRIBUTION:

Flagler, Lake, and Orange counties (fig. 103)

REMARKS:

This scale has not been collected on willow in Florida since 1922. It is not an economic pest in Florida.

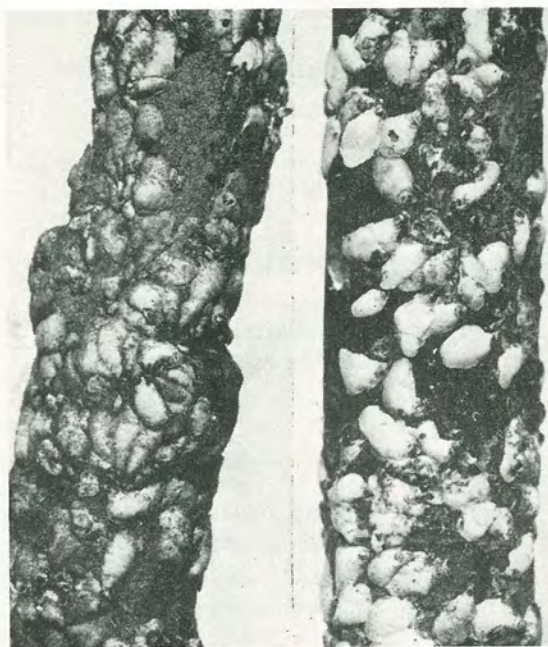


Fig. 102. *Chionaspis salicisnigrae* (Walsh), black willow scale (X3) (After Essig).



Fig. 103. Distribution of *Chionaspis salicisnigrae* (Walsh), black willow scale.

SCIENTIFIC NAME:

Chortinaspis divaricata Ferris
(kor-ti-NASS-pis dye-VAIR-i-KAY-ta)

PROPOSED COMMON NAME:

wire grass scale

DESCRIPTION OF ARMOR:**Female:**

Circular to oval, convex, thick, purplish brown to light brown; 1-1.4 mm long. Exuviae terminal, covered with secretion, straw color.

Male:**(Preadult)**

Similar to female but much smaller and more slender. Exuviae marginal.

HABITAT:

Roots and crown

HOSTS:

wire grass (*Eleusine indica*(L.)Gaertn.)

DISTRIBUTION:

Lake and Marion counties (fig. 104)

REMARKS:

The scale is not usually found unless the grass is pulled up and the crown examined closely with a hand lens. The scale was described by Dr. G. F. Ferris in 1946. It was collected for the first time in Florida in 1923. It is not known to be of economic importance in Florida.



Fig. 104. Distribution of *Chortinaspis divaricata* Ferris, wire grass scale.

CHORTINASPIS

58

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Chortinaspis graminella (Cockerell)
(kor-ti-NASS-pis gram-i-NELL-a)

PROPOSED COMMON NAME:

native grass scale

DESCRIPTION OF ARMOR:

Female:

Slightly convex, white, with pale yellow exuviae; about 1 mm in diam. (Cockerell, 1901).

Male:

(Preadult)

Elongate, white. Exuviae yellow and terminal (Cockerell, 1901).

HABITAT:

Leaf

HOSTS:

wire grass (*Aristida* sp.)

DISTRIBUTION:

Hardee and Levy counties (fig. 105)

REMARKS:

This scale is of no known economic importance in Florida.



Fig.105. Distribution of *Chortinaspis graminella* (Cockerell), native grass scale.

SCIENTIFIC NAME:

Chortinaspis subchortina (Laing)
(kor-ti-NASS-pis SUB-kor-TIE-na)

PROPOSED COMMON NAME:

water grass scale

DESCRIPTION OF ARMOR:

Female:

Oval, moderately convex, pale brown; area over first exuviae white. Exuviae submarginal; the ventral scale thin (Ferris, 1941).

Male:

(Preadult)

Elongate, the exuviae is terminal (Ferris, 1941).

HABITAT:

Leaf

HOSTS:

Centipede grass (*Eremochloa ophiuroides* (Munro) Hack.) and *Tillandsia* spp.

DISTRIBUTION:

DeSoto and Escambia counties (fig. 106)

REMARKS:

The scale is not known to be of economic importance in Florida.

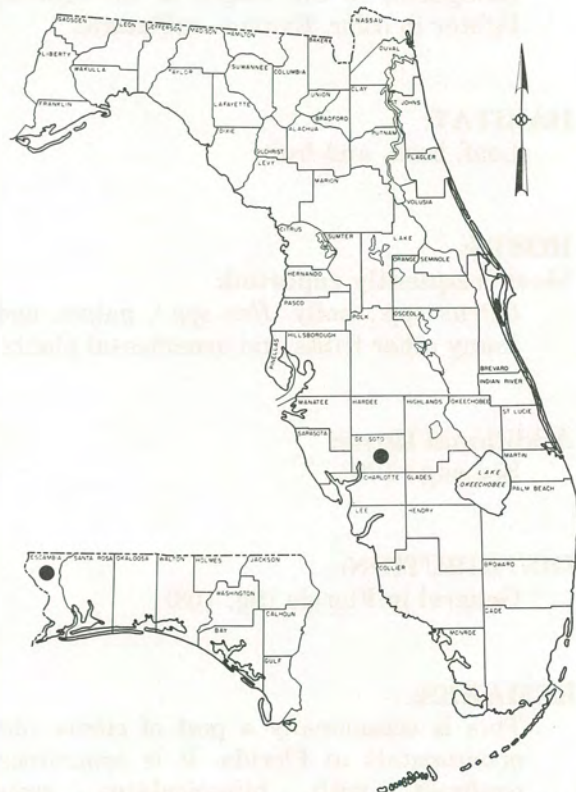


Fig. 106. Distribution of *Chortinaspis subchortina* (Laing), water grass scale.

CHRYSOMPHALUS

60

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Chrysomphalus aonidum (Linnaeus)
(kris-OMPH-a-lus aye-oh-NID-um)

COMMON NAME:

Florida red scale

DESCRIPTION OF ARMOR:

Female:

Circular, moderately convex, dark reddish brown to almost black, opaque, margin somewhat ashy gray; 2 mm in diam. Exuviae approximately central, reddish brown or brick red, sometimes covered with a grayish secretion, surrounded by a reddish brown ring.

Male:

(Preadult)

Elongated, $\frac{1}{2}$ the length of the female, lighter in color. Exuviae sublateral.

HABITAT:

Leaf, bark, and fruit

HOSTS:

Most frequently reported:

Citrus spp., holly (*Ilex* spp.), palms, and many other fruits and ornamental plants.

Additional Hosts:

See page 176

DISTRIBUTION:

General in Florida (fig. 108)

REMARKS:

This is occasionally a pest of citrus and ornamentals in Florida. It is sometimes confused with bifasciculatus scale (*Chrysomphalus bifasciculatus* Ferris) which is not known to occur in Florida.

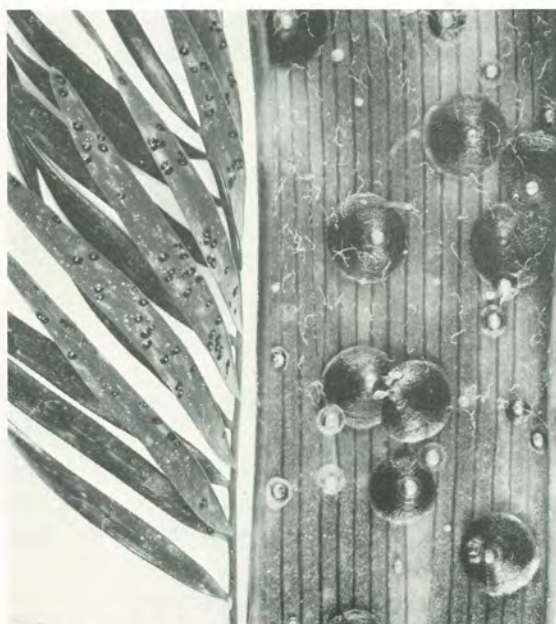


Fig. 107. *Chrysomphalus aonidum* (Linnaeus), Florida red scale (Inset X6).



Fig. 108. Distribution of *Chrysomphalus aonidum* (Linnaeus), Florida red scale.

SCIENTIFIC NAME:

Chrysomphalus dictyospermi (Morgan)
(kris-OMPH-a-lus
DIC-tee-oh-SPERM-eye)

COMMON NAME:

dictyospermum scale

DESCRIPTION OF ARMOR:**Female:**

Circular, slightly convex, thin, grayish, light brown, or of a coppery tinge; 1.5-2 mm in diam. Exuviae approximately central, ringed, nipple-like.

Male:**(Preadult)**

Similar but smaller, more elongated than the female. Exuviae sublaterally located.

HABITAT:

Bark, leaf, and fruit

HOSTS:**Most frequently reported:**

avocado (*Persea americana* Mill.), *Elaeagnus* sp., *Ficus* sp., and palms

Additional Hosts:

See page 182

DISTRIBUTION:

General in Florida (fig. 110)

REMARKS:

Dictyospermum scale can be confused with yellow scale (*Aonidiella citrina* (Coq.)) and Asiatic red scale (*Aonidiella taxus* Leon.). This scale is an economic pest in citrus and ornamental nurseries in Florida.

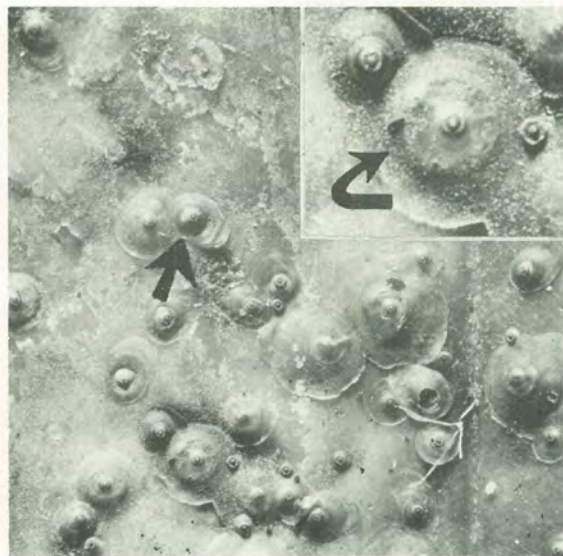


Fig. 109. *Chrysomphalus dictyospermi* (Morgan), dictyospermum scale (X6). Inset (X14). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 110. Distribution of *Chrysomphalus dictyospermi* (Morgan), dictyospermum scale.

SCIENTIFIC NAME:

Circulaspis fistulella Ferris
(sir-kew-LASS-pis fis-two-LELL-a)

PROPOSED COMMON NAME:

salt grass scale

DESCRIPTION OF ARMOR:**Female:**

Elongate oval; about 1 mm long; brownish. Exuviae marginal.

Male:**(Preadult)**

Elongate, slender, brownish, smaller than female. Exuviae terminal.

HABITAT:

Leaf

HOSTS:

salt grass (*Distichlis* sp.)

DISTRIBUTION:

Levy, Monroe, St. Lucie, and Volusia counties (fig. 112)

REMARKS:

This armored scale is a grass feeder on a non-economic host. G. F. Ferris described the species from specimens collected on *Distichlis spicata* (L.) Greene and *Sporobolus* sp., at Point Isabel, Texas in 1921. Ferris predicted its occurrence along the entire Gulf of Mexico coast. In Florida it probably occurs in all coastal counties.



Fig. 111. *Circulaspis fistulella* Ferris, salt grass scale (X15). Straight arrow points to ♂ ; curved arrow points to ♀ .

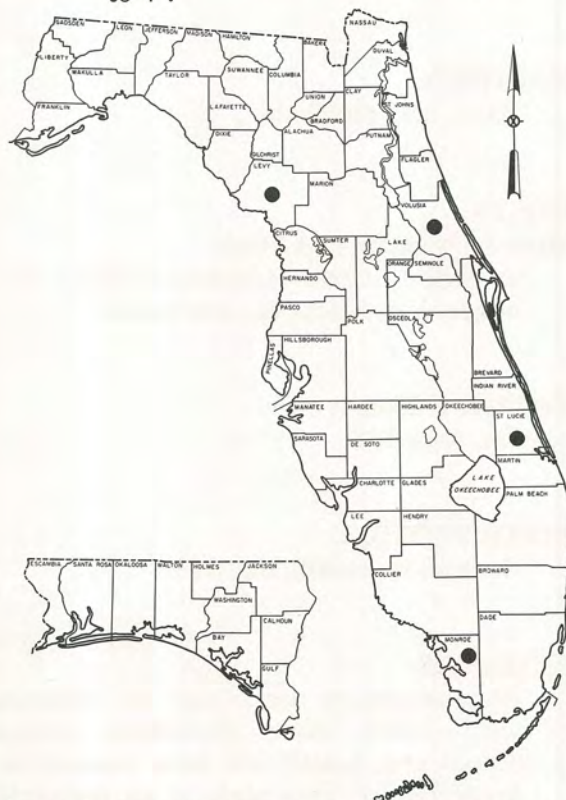


Fig. 112. Distribution of *Circulaspis fistulella* Ferris, salt grass scale.

SCIENTIFIC NAME:

Clavaspis barbiger Ferris
(kla-VASS-pis bar-BIDGE-er-a)

PROPOSED COMMON NAME:

barbiger scale

DESCRIPTION OF ARMOR:**Female:**

Unknown (See REMARKS)

Male:**(Preadult)**

Unknown (See REMARKS)

HABITAT:

Stem

HOSTS:

mastic (*Sideroxylon* sp.?) and *Mimusops* sp.

DISTRIBUTION:

Dade and Monroe counties (fig. 113)

REMARKS:

Specimens were collected by the late O. D. Link at Miami, Florida, February 25, 1953. The species was described by the late G. F. Ferris from microslide mounts of specimens sent to him by G. B. Merrill. The armor was not described. A description of this species may be found in *Microentomology*, Vol. 19, Part 2, 15 July, 1954, p 43. Type specimens are deposited in the Stanford University Collection, Stanford University, California. Ferris recorded the host as mastic=*Bursera simaruba*? (Ferris, 1954). *Sideroxylon*, recorded as the generic name for mastic in the first edition should have been questioned. The recording of *Schinus* sp. as a host for this scale in the first edition was erroneous. The scale is not known to be of economic importance in Florida.

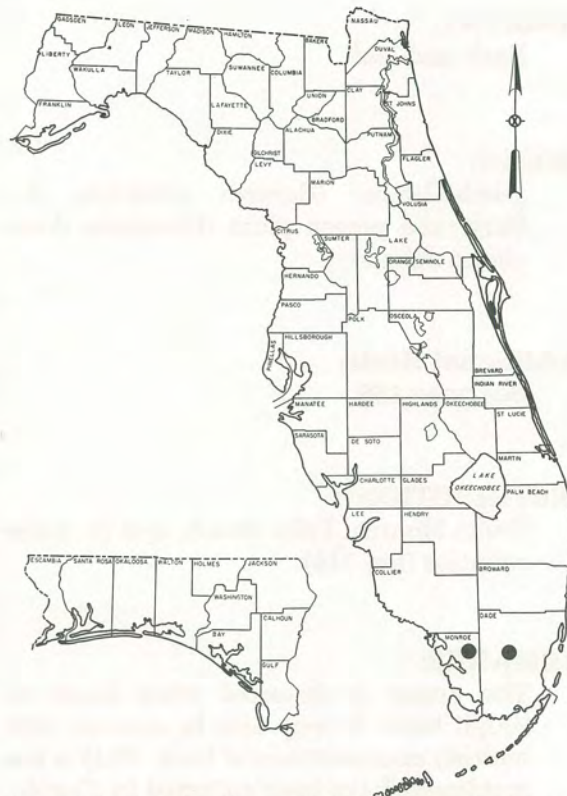


Fig. 113. Distribution of *Clavaspis barbiger* Ferris, barbiger scale.

SCIENTIFIC NAME:

Clavaspis coursetiae (Marlatt)
(kla-VASS-pis koor-SET-ee-ee)

PROPOSED COMMON NAME:

pigeon plum scale

DESCRIPTION OF ARMOR:**Female:**

Approximately circular, flat, grayish yellow; 1.25-1.75 mm in diam. Exuviae central or subcentral, orange.

Male:**(Preadult)**

Similar to female but smaller, more elongated.

HABITAT:

Bark and leaf

HOSTS:

gumbo-limbo (*Bursera simaruba* (L.) Sarg.) and pigeon plum (*Coccoloba diversifolia* Jacq.)

Additional Hosts:

See page 186

DISTRIBUTION:

Dade, Monroe, Palm Beach, and St. Lucie counties (fig. 114)

REMARKS:

The armor is distorted when found on rough bark. It may also be covered with whitish encrustations of bark. Only a few specimens have been collected in Florida. The scale is not known to be of economic importance in Florida.

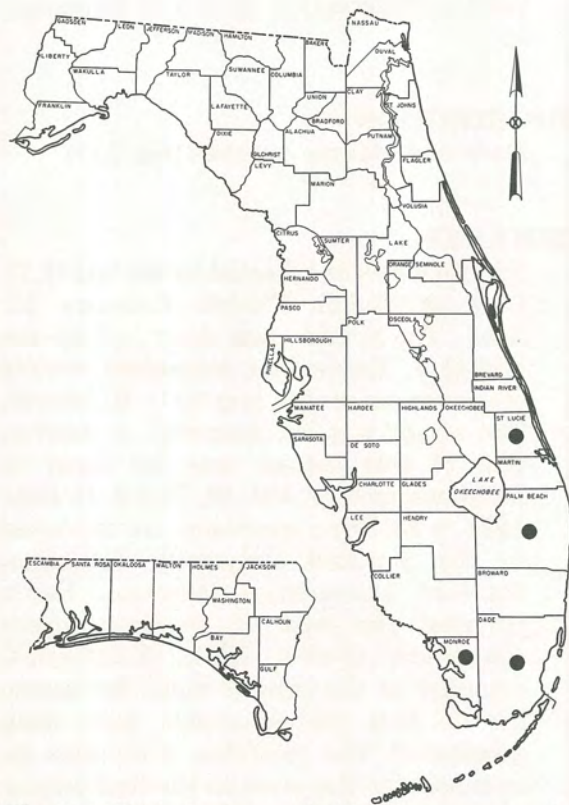


Fig. 114. Distribution of *Clavaspis coursetiae* (Marlatt), pigeon plum scale.

SCIENTIFIC NAME:

Clavaspis herculeana (Doane & Hadden)
(kla-VASS-pis her-KEW-lee-AYE-na)

PROPOSED COMMON NAME:

herculeana scale

DESCRIPTION OF ARMOR:**Female:**

"1 to 1.9 mm in diameter; irregularly circular; thin, tough, slightly convex; very inconspicuous, due in part to the fact the insect is partly mining in its habit as particles of thin bark usually extend over the scale; dorsal shed skin conspicuous; located on bark of host; no dot or ring present." (Houser, 1918).

Male:**(Preadult)**

Not observed

HABITAT:

Leaf, bark, and fruit

HOSTS:

black mangrove (*Avicennia nitida* Jacq.)
and red mangrove (*Rhizophora mangle* L.)

Additional Hosts:

See page 186

DISTRIBUTION:

Dade, Manatee, and Monroe counties
(fig. 116)

REMARKS:

The scale is not known to be of economic importance in Florida.



Fig. 115. *Clavaspis herculeana* (Doane & Hadden), herculeana scale (X12).

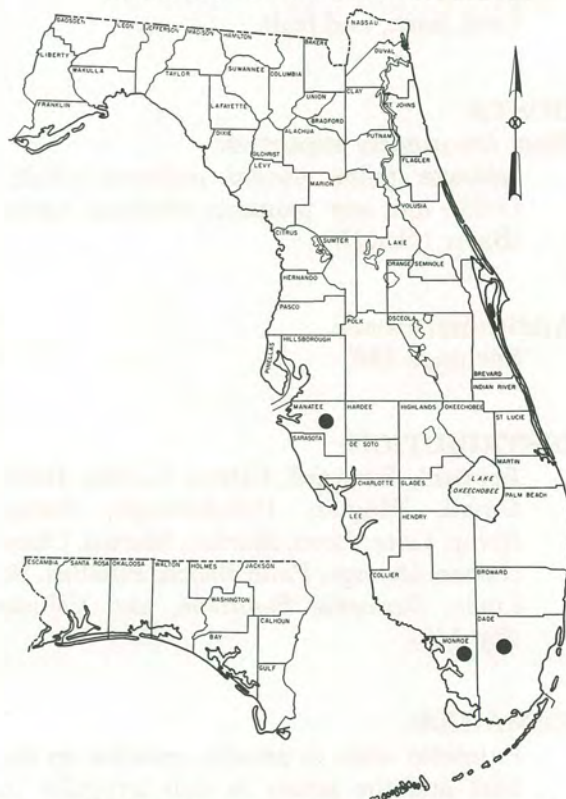


Fig. 116. Distribution of *Clavaspis herculeana* (Doane & Hadden), herculeana scale.

COMSTOCKIELLA

66

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Comstockiella sabalis (Comstock)
(KOM-stock-ki-ELLA SAY-bal-iss)

COMMON NAME:

palmetto scale

DESCRIPTION OF ARMOR:

Female:

Circular, slightly convex, snow-white, opaque; 1-1.5 mm in diam. Exuviae central, subcentral, or occasionally marginal.

Male:

(Preadult)

Irregularly oval and smaller than the female; snow-white. Exuviae subcentral.

HABITAT:

Leaf, bark, and fruit

HOSTS:

Most frequently reported:

cabbage palm (*Sabal palmetto* (Walt.) Lodd.) and saw palmetto (*Serenoa repens* (Bartr.) Small)

Additional Hosts:

See page 186

DISTRIBUTION:

Brevard, Broward, Citrus, Collier, Dade, Duval, Flagler, Hillsborough, Indian River, Lake, Leon, Marion, Martin, Okeechobee, Orange, Palm Beach, Pinellas, St. Lucie, Sarasota, Seminole, and Volusia (fig. 118)

REMARKS:

Palmetto scale is usually crowded on the host and the armor is thus irregular in shape. It is often highly parasitized. It is not of economic importance in Florida.

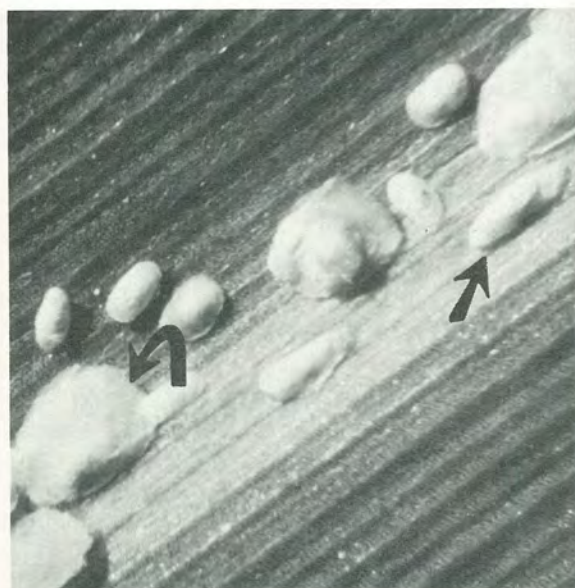


Fig. 117. *Comstockiella sabalis* (Comstock), palmetto scale (X20). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 118. Distribution of *Comstockiella sabalis* (Comstock), palmetto scale.

SCIENTIFIC NAME:

Diaspidiotus ancylus (Putnam)
(die-ASS-pid-ee-OH-tus AN-sill-us)

COMMON NAME:

Putnam scale

DESCRIPTION OF ARMOR:**Female:**

Approximately circular, convex, dark gray, sometimes almost black, margin somewhat lighter; 1-1.5 mm in diam. Exuviae is brick red, covered with a grayish or lighter colored secretion.

Male:**(Preadult)**

Similar to female but smaller, more elongate.

HABITAT:

Bark

HOSTS:**Most frequently reported:**

pecan (*Carya illinoensis* Koch)

Additional Hosts:

See page 187

DISTRIBUTION:

Alachua, Baker, Brevard, Dixie, Jefferson, Lake, Leon, Levy, Marion, Martin, Palm Beach, Pasco, Pinellas, Santa Rosa, and Volusia counties (fig. 120)

REMARKS:

The scale can be detected on the bark of its host with little difficulty. Parasites and predators keep the scale under control. The scale is not known to be an economic pest in Florida.



Fig. 119. *Diaspidiotus ancylus* (Putnam), Putnam scale (X8) (After Douglas). Straight arrow doubtfully points to ♂; curved arrow points to ♀.

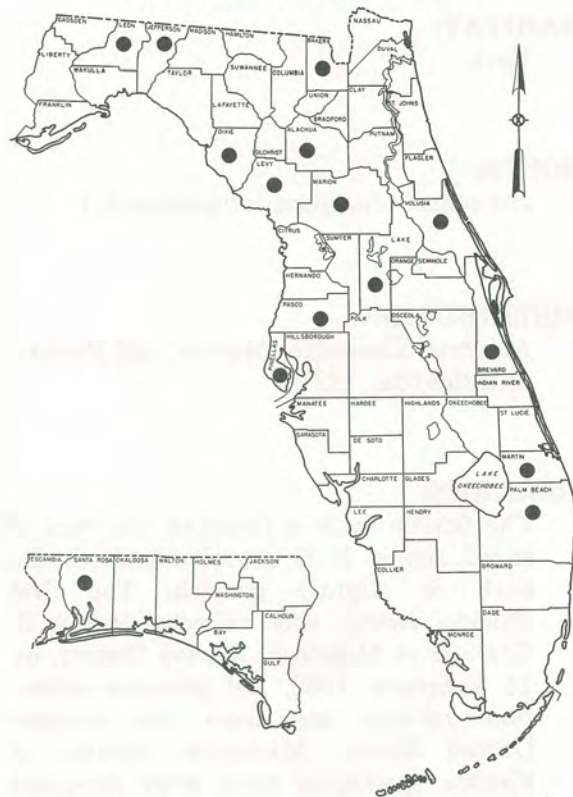


Fig. 120. Distribution of *Diaspidiotus ancylus* (Putnam), Putnam scale.

SCIENTIFIC NAME:

Diaspidiotus coniferarum (Cockerell)
(die-ASS-pid-ee-OH-tus
kah-NIF-err-AIR-um)

COMMON NAME:

conifer scale

DESCRIPTION OF ARMOR:**Female:**

Approximately circular, flat, white to gray, opaque; 1-1.3 mm in diam. Exuviae subcentral.

Male:**(Preadult)**

Not observed.

HABITAT:

Bark

HOSTS:

red cedar (*Juniperus virginiana* L.)

DISTRIBUTION:

Alachua, Escambia, Marion, and Putnam counties (fig. 122)

REMARKS:

The female scale is found on the bark of small stems. It is concolorous with the bark or slightly grayish. The first Florida record was collected by A. E. Graham at McIntosh, Marion County, on 14 February 1962. All previous collection records are from the western United States. Microslide mounts of Florida specimens have been deposited in the U.S. National Museum in Washington, D.C.



Fig. 121. *Diaspidiotus coniferarum* (Cockerell), conifer scale (X16). Straight arrow points to ♂; curved arrow points to 1st stage ♀.

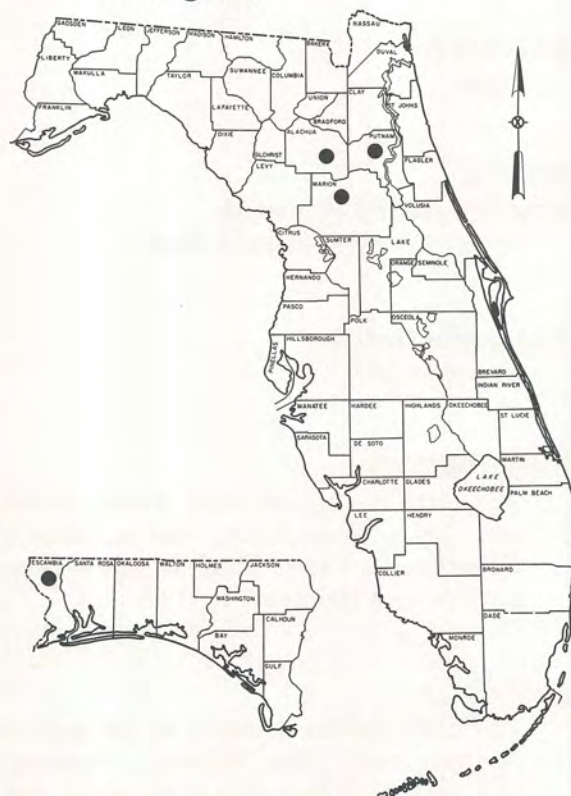


Fig. 122. Distribution of *Diaspidiotus coniferarum* (Cockerell), conifer scale.

SCIENTIFIC NAME:

Diaspidiotus liquidambaris (Kotinsky)
(die-ASS-pid-ee-OH-tus
LICK-wid-AM-ber-iss)

COMMON NAME:

sweetgum scale

DESCRIPTION OF ARMOR:**Female:**

Circular or oval, white, parchment-like; 0.75 mm in diam. Exuviae central or subcentral, yellow or yellowish brown.

Male:**(Preadult)**

Oval and about 0.5 mm long. Exuviae subcentral and lemon yellow.

HABITAT:

Leaf

HOSTS:

sweetgum (*Liquidambar styraciflua* L.)

DISTRIBUTION:

Alachua, Baker, Dixie, Franklin, Hillsborough, Lake, Manatee, Marion, Pinellas, Putnam, Santa Rosa, Seminole, Sumter, Suwannee, and Volusia counties (fig. 124)

REMARKS:

The female scale, which is found in a pit or hollow on the underside of the leaf, causes a small, bluntly conical, finger-like gall to develop on the upper leaf surface. The gall is light green or shading off to dark brown; 0.5-2 mm in height. The male scale is usually found in groups of 2 or 3 on the underside of the leaf at or near the intersection of a vein with the midrib. The scale is apparently host specific and occasionally is an economic pest in Florida.



Fig. 123. *Diaspidiotus liquidambaris* (Kotinsky), sweetgum scale (X5). Arrow points to gall on upper surface of leaf caused by scale.



Fig. 124. Distribution of *Diaspidiotus liquidambaris* (Kotinsky), sweetgum scale.

DIASPIDIOTUS

70

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Diaspidiotus mcombi McKenzie
(die-ASS-pid-ee-OH-tus mac-KOME-eye)

PROPOSED COMMON NAME:

McComb pine scale

DESCRIPTION OF ARMOR:

Female:

Elongate oval, light grayish brown, opaque and 1-1.5 mm long. Exuviae central to subcentral.

Male:

(Preadult)

Elongate oval, lighter in color than the female. Exuviae central (McKenzie, 1963).

HABITAT:

Needles; usually hidden at base within the needle sheath (McKenzie, 1963)

HOSTS:

sand pine (*Pinus clausa* (Chapm.) Vasey)

DISTRIBUTION:

St. Lucie County (fig. 125)

REMARKS:

This scale was collected for the first time in Florida at Port St. Lucie, Florida in July 1975 by E. W. Campbell, Plant Specialist. The economic importance of this scale in Florida is unknown.

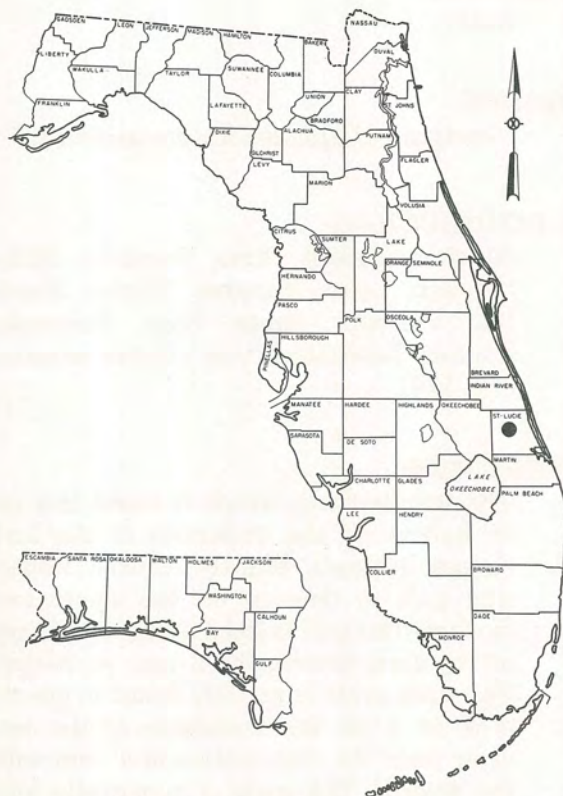


Fig. 125. Distribution of *Diaspidiotus mcombi* McKenzie, McComb pine scale.

SCIENTIFIC NAME:

Diaspidotus osborni (Newell & Cockerell)
(die-ASS-pid-ee-OH-tus OS-born-eye)

COMMON NAME:

Osborn scale

DESCRIPTION OF ARMOR:**Female:**

Circular to oval, flat, dirty gray; 1.5-2 mm in diam. Exuviae subcentral, covered with secretion; orange-colored when secretion is rubbed off.

Male:**(Preadult)**

Similar to female, smaller and elongated.

HABITAT:

Bark and leaf

HOSTS:**Most frequently reported:**

grape (*Vitis* sp.) and pecan (*Carya illinoensis* Koch)

Additional Hosts:

See page 187

DISTRIBUTION:

Alachua, Baker, Dade, Osceola, Pinellas, Putnam, and Volusia counties (fig. 126)

REMARKS:

This scale can be confused with Forbes scale on the bark of pecan. To distinguish it from Forbes scale, a microslide mount of the insect is necessary. It can be distinguished from Putnam scale on grape by the color of the exuviae. The exuviae of Putnam scale is brick red. The scale is not a serious pest in Florida.



Fig. 126. Distribution of *Diaspidotus osborni* (Newell & Cockerell), Osborn scale.

DIASPIDIOTUS

72

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Diaspidiotus uvae (Comstock)
(die-ASS-pid-ee-OH-tus YOU-vee)

COMMON NAME:

grape scale

DESCRIPTION OF ARMOR:

Female:

Circular, flattened, yellowish to light brown; 1.1-2 mm in diam. Exuviae sub-central, light yellow.

Male:

(Preadult)

Smaller, more slender, darker, and more convex than the female. Exuviae sub-lateral.

HABITAT:

Bark and leaf

HOSTS:

grape (*Vitis* sp.)

DISTRIBUTION:

Polk and Seminole counties (fig. 128)

REMARKS:

This scale is apparently host specific. It may be confused with Osborn scale (*Diaspidiotus osborni* (Newell & Cockrell)) but is distinguished from it by size. This is not a common scale in Florida and is of no economic importance.



Fig. 127. *Diaspidiotus uvae* (Comstock), grape scale (Natural size) (After Douglas).

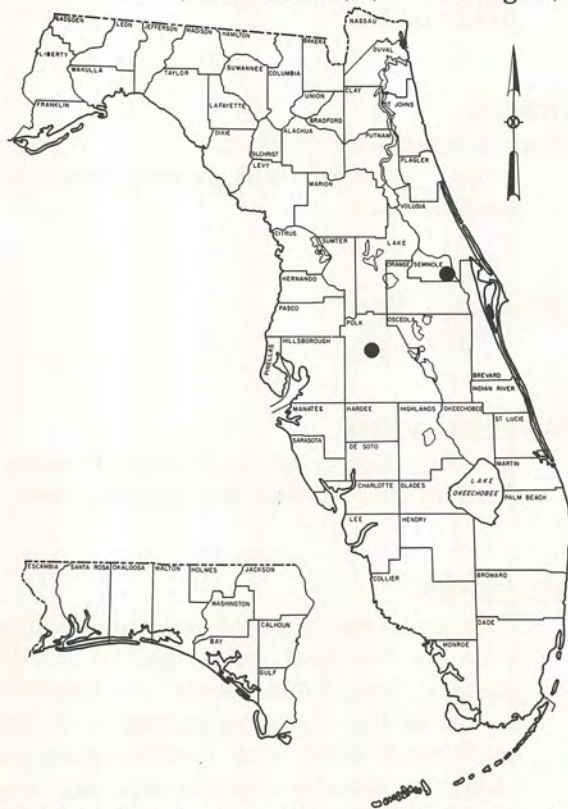


Fig. 128. Distribution of *Diaspidiotus uvae* (Comstock), grape scale.

SCIENTIFIC NAME:

Diaspis boisduvalii Signoret
(die-ASS-pis BOIS-dew-VAL-ee-eye)

COMMON NAME:

Boisduval scale

DESCRIPTION OF ARMOR:**Female:**

Circular or oval, thin, flat, white to light yellow, semitransparent; 1.2-2.25 mm in diam. Exuviae central to subcentral, white to light yellow.

Male:**(Preadult)**

Oblong oval, white, tricarinate; approximately 1 mm long. Exuviae terminal.

HABITAT:

Leaf, stem and fruit

HOSTS:

orchid (*Cattleya* spp.) and palms

Additional Hosts:

See page 188

DISTRIBUTION:

Alachua, Baker, Bay, Brevard, Broward, Clay, Collier, Dade, DeSoto, Duval, Flagler, Gadsden, Gilchrist, Hernando, Hillsborough, Indian River, Lake, Lee, Leon, Levy, Madison, Manatee, Marion, Martin, Monroe, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Lucie, Santa Rosa, Sarasota, Seminole, Taylor, Union, and Volusia counties (fig. 130)

REMARKS:

This scale is the most important economic insect pest of orchids in Florida and is also a pest of palms. Several parasites attack this scale, but they do not keep it under control.

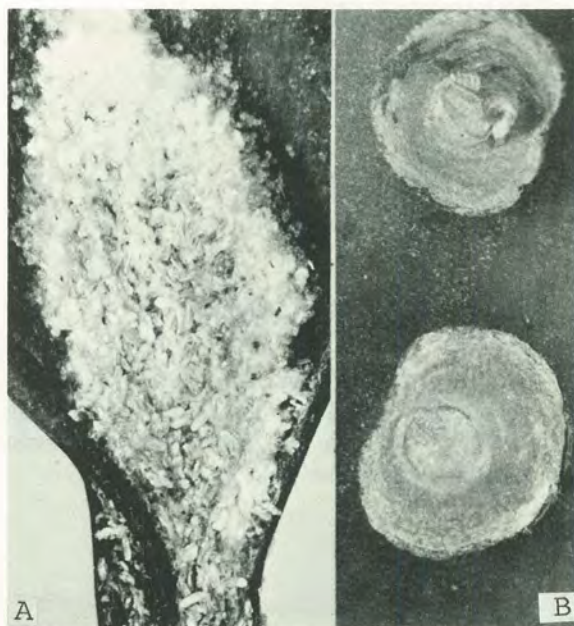


Fig. 129. *Diaspis boisduvalii* Signoret, Boisduval scale. (A) Mass of ♂ s (X5); (B) ♀ s (X15) on orchid.



Fig. 130. Distribution of *Diaspis boisduvalii* Signoret, Boisduval scale.

SCIENTIFIC NAME:

Diaspis bromeliae (Kerner)
(die-ASS-pis bro-MEEL-ee-ee)

COMMON NAME:

pineapple scale

DESCRIPTION OF ARMOR:**Female:**

Approximately circular, flat, yellowish white to brownish yellow, semitransparent; 2-3 mm in diam. Exuviae sub-central, yellow or pale brown.

Male:**(Preadult)**

Oblong oval, white tricarinate; about 1 mm long. Exuviae terminal.

HABITAT:

Leaf, fruit, and bark

HOSTS:**Most frequently reported:**

Billbergia sp., cactus, and orchids

Additional Hosts:

See page 189

DISTRIBUTION:

Alachua, Dade, Escambia, Hillsborough, Lake, Lee, Manatee, Orange, Pinellas, Polk, St. Johns, St. Lucie, Sarasota, and Volusia counties (fig. 132)

REMARKS:

A microslide mount of the insect is required for a specific identification. The scale is not common in Florida and is not considered an economic pest.



Fig. 131. *Diaspis bromeliae* (Kerner), pineapple scale (X10).



Fig. 132. Distribution of *Diaspis bromeliae* (Kerner), pineapple scale.

SCIENTIFIC NAME:

Diaspis coccois Lichtenstein
(die-ASS-pis co-CO-is)

PROPOSED COMMON NAME:

coccois scale

DESCRIPTION OF ARMOR:**Female:**

Circular, flat, thin, white semitransparent; 1.2-2.25 mm in diam. Exuviae central to subcentral.

Male:**(Preadult)**

Elongate, white, tricarinate; about 1 mm long.

HABITAT:

Leaf and pseudobulb

HOSTS:

orchid (*Laelia speciosa* (HBK) Schltr.)
and *Epidendrum aromaticum* Batem.)

DISTRIBUTION:

Not established in Florida. Plants known to be infested in Hillsborough County have been destroyed. (fig. 134)

REMARKS:

This scale was collected at Tampa, Florida on orchids in 1961 by D. E. Stokes, Nematologist. The armor cannot be distinguished from Boisduval scale (*Diaspis boisduvalii* Signoret) which is common on orchids in Florida. Twenty-four microslide mounts are deposited in the FSCA, and two microslide mounts are deposited in the University of California Collection at Davis. All infested plants known to be infested in Florida have been destroyed.

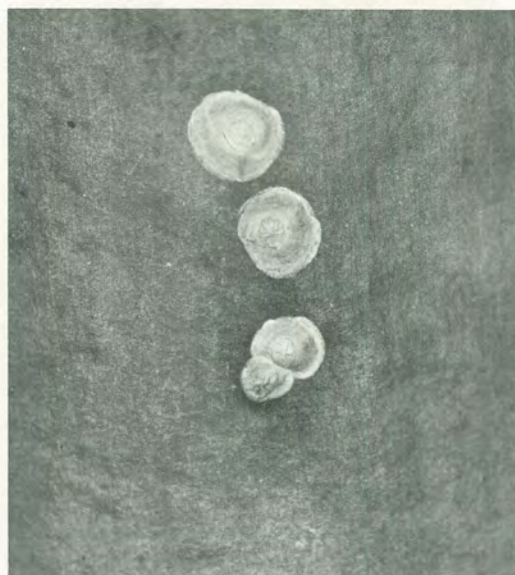


Fig. 133. *Diaspis coccois* Lichtenstein, coccois scale (X5) on orchid.

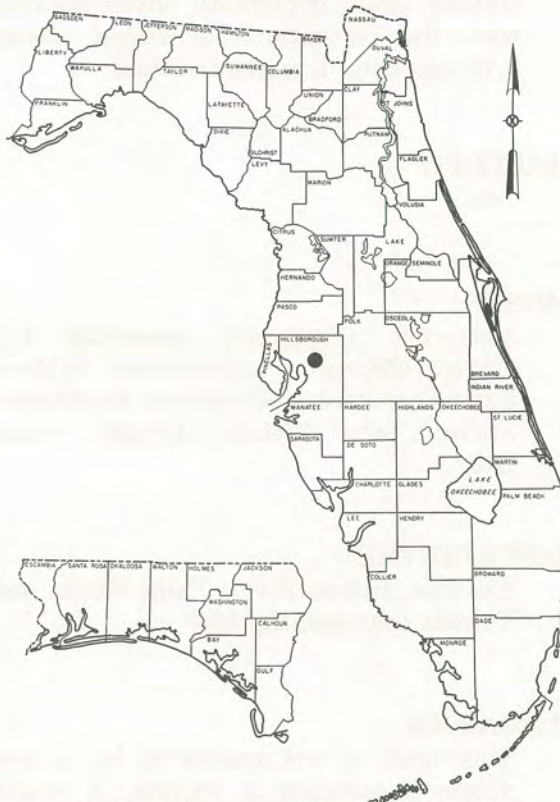


Fig. 134. Distribution of *Diaspis coccois* Lichtenstein, coccois scale.

SCIENTIFIC NAME:

Diaspis dignus Hoke
(die-ASS-pis DIG-nus)

PROPOSED COMMON NAME:

dignus scale

DESCRIPTION OF ARMOR:**Female:**

Nearly circular or elliptical, slightly convex, thin, semitransparent, nearly white at margin and gradually turning to straw-colored at exuviae; 1.25-1.5 mm in diam. Exuviae central or subcentral; first exuviae shiny golden color; second exuviae yellowish brown.

Male:**(Preadult)**

Oblong oval, tricarinate, straw-colored, with the carinations or ridges white; 0.75 mm long. Exuviae terminal.

HABITAT:

Leaf

HOSTS:

snakeroot (*Eryngium aquaticum* L.),
eryngo (*Eryngium aromaticum* Baldw.),
button snakeroot (*Eryngium yuccifolium*
Michx.), and lilyturf (*Liriope spicata*
Lour.)

DISTRIBUTION:

Alachua, Indian River, Palm Beach, and
Volusia counties (fig. 136)

REMARKS:

This scale is not known to be of economic importance in Florida. A microslide mount is required for a specific identification.

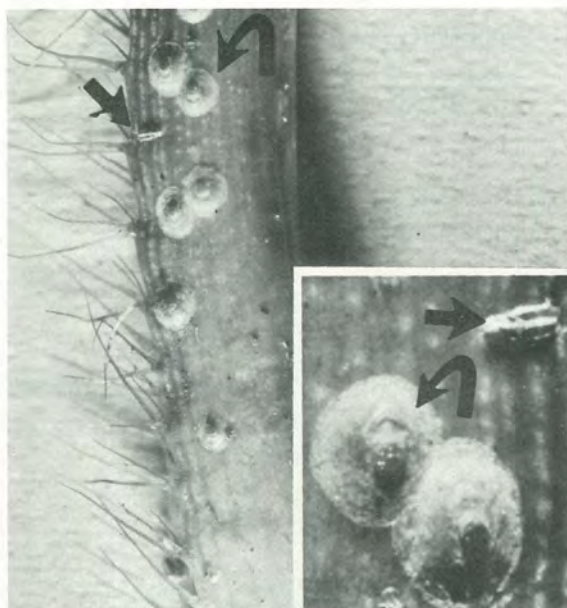


Fig. 135. *Diaspis dignus* Hoke, dignus scale (X5). Inset (X14). Straight arrow points to ♂; curved arrow points to ♀ on button snakeroot.

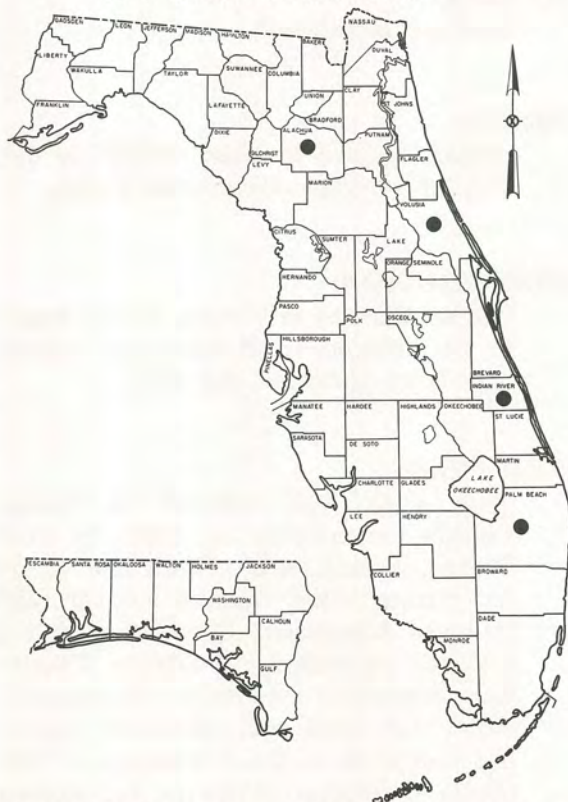


Fig. 136. Distribution of *Diaspis dignus* Hoke, dignus scale.

SCIENTIFIC NAME:

Diaspis echinocacti (Bouché)
(die-ASS-pis ee-KYE-no-CAC-tie)

COMMON NAME:

cactus scale

DESCRIPTION OF ARMOR:**Female:**

Approximately circular, flat, thin, grayish white to greenish white; 1.5-2.25 mm in diam. Exuviae central or subcentral, dark brown; usually covered with a whitish or grayish secretion.

Male:**(Preadult)**

Elongate, with a medium ridge; greenish white; 1.25 mm long. Exuviae terminal.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

cacti and orchids

Additional Hosts:

See page 190

DISTRIBUTION:

Alachua, Bradford, Broward, Charlotte, Dade, DeSoto, Duval, Escambia, Gadsden, Gilchrist, Highlands, Hillsborough, Indian River, Lake, Lee, Leon, Manatee, Marion, Martin, Monroe, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Johns, St. Lucie, Santa Rosa, Sarasota, Seminole, Sumter, Union, and Volusia counties (fig. 138)

REMARKS:

This scale occasionally is an economic pest to cactus in ornamental nurseries in Florida.

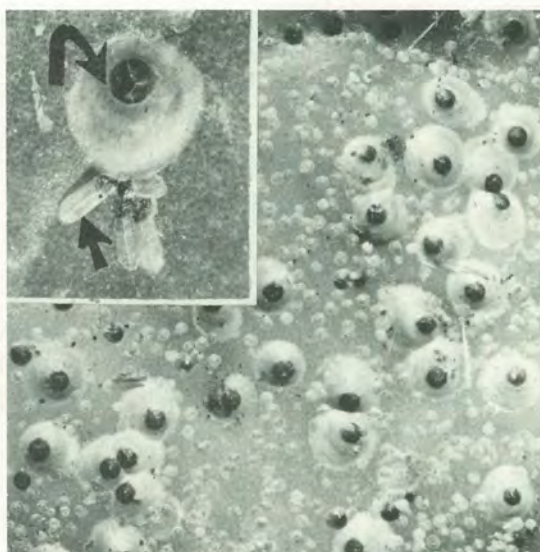


Fig. 137. *Diaspis echinocacti* (Bouché), cactus scale (X4). Inset (X8). Straight arrow points to ♂. NOTE medium ridge on male armor (unicarinate). Curved arrow points to ♀ on cactus.



Fig. 138. Distribution of *Diaspis echinocacti* (Bouché), cactus scale.

SCIENTIFIC NAME:

Duplaspidiotus claviger (Cockerell)
(DEW-plass-pid-ee-OH-tus
CLAY-vi-jerr)

PROPOSED COMMON NAME:

camellia mining scale

DESCRIPTION OF ARMOR:

Female:

Approximately circular, slightly convex, grayish, opaque; about 2 mm in diam. Bronze first exuviae usually the only portion of the armor visible.

Male:

(Preadult)

Not observed.

HABITAT:

Twigs and bark

HOSTS:

Most frequently reported:

camellia (*Camellia* spp.), wax privet (*Ligustrum japonicum* Thunb.), and viburnum (*Viburnum* spp.)

Additional Hosts:

See page 190

DISTRIBUTION:

Alachua, Charlotte, Citrus, Columbia, Hardee, Hernando, Hillsborough, Manatee, Orange, Osceola, Pasco, Pinellas, Polk, and Sarasota counties (fig. 140)

REMARKS:

This scale was collected for the first time in Florida by C. B. Wright on *Camellia sasanqua* Thunb. at St. Petersburg, Pinellas County, in March 1962. Wherever severe infestations are encountered on *Camellia* spp. there is considerable dieback of twigs and branches and limited new growth. Camellia mining scale may be confused with peony scale (*Pseudaonidia paeoniae* (Ckll.)), tessellate scale (*Duplaspidiotus tessellatus* (Grandpré and Charmoy)), or camphor scale (*Pseudaonidia duplex* (Ckll.)).



Fig. 139. *Duplaspidiotus claviger* (Cockerell), camellia mining scale (X15). Straight arrow points to bark where ♀ has been removed; curved arrow points to ♀.

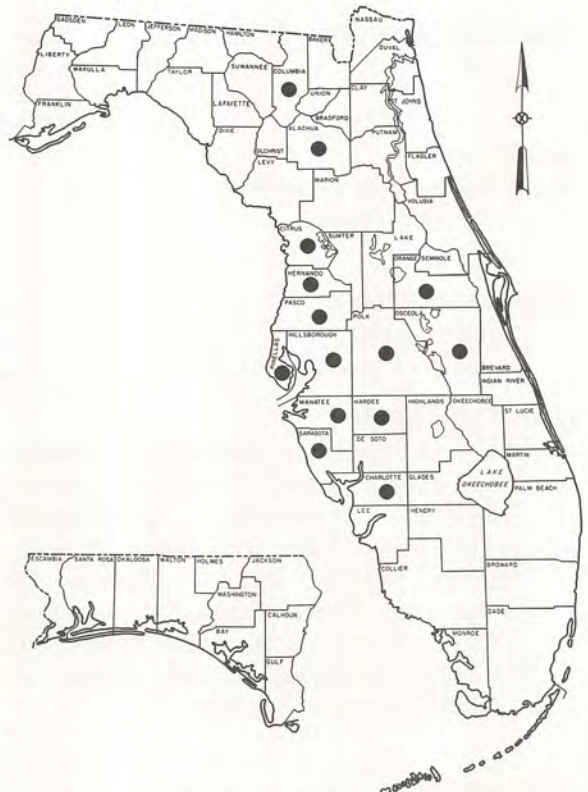


Fig. 140. Distribution of *Duplaspidiotus claviger* (Cockerell), camellia mining scale.

SCIENTIFIC NAME:

Duplaspidiotus tesseratus (Grandpré & Charmoy)

(DEW-plass-pid-ee-OH-tus
tess-err-RAY-tus)

PROPOSED COMMON NAME:

tesserate scale

DESCRIPTION OF ARMOR:
Female:

Approximately circular, occasionally oval, highly convex, thick and opaque; 2.5 mm in diam. Exuviae central to subcentral.

Male:
(Preadult)

Much smaller than the female, sides nearly parallel. Exuviae sublateral.

HABITAT:

Bark

HOSTS:
Most frequently reported:

Camellia spp. and *Hibiscus* spp.

Additional Hosts:

See page 191

DISTRIBUTION:

Alachua, Charlotte, Dade, DeSoto, Hardee, Hillsborough, Manatee, Monroe, Orange, Osceola, Pasco, Pinellas, Polk, and Volusia counties (fig. 142)

REMARKS:

The armor is usually covered by the outer layers of bark. The underside of the armor is dull reddish brown with a white secreted material near its center. The armor of this scale insect can be confused with camphor scale (*Pseudaonidia duplex* (Cockerell)) and camellia mining scale (*Duplaspidiotus claviger* (Cockerell)). It is not an economic pest in Florida and is at times highly parasitized by a small wasp.



Fig. 141. *Duplaspidiotus tesseratus* (Grandpré & Charmoy), tessellate scale (X16). Straight arrow points to white ventral protective cover which remains attached to host when the armor is removed; curved arrow points to ♀.



Fig. 142. Distribution of *Duplaspidiotus tesseratus* (Grandpré & Charmoy), tessellate scale.

SCIENTIFIC NAME:

Epidiaspis tillandsiae Takagi & Tippins
(eppie-DIE-ass-pis til-LAND-see-ee)

COMMON NAME:

Spanish-moss scale

DESCRIPTION OF ARMOR:

Female:

Unknown (See REMARKS)

Male:

(Preadult)

Unknown (See REMARKS)

HABITAT:

Leaf

HOSTS:

Spanish-moss (*Tillandsia usneoides* L.)

DISTRIBUTION:

Collier County (fig. 143)

REMARKS:

A description of the scale armor was not recorded (Takagi & Tippins, 1972). The scale is not known to be of economic importance to ornamentals in Florida.

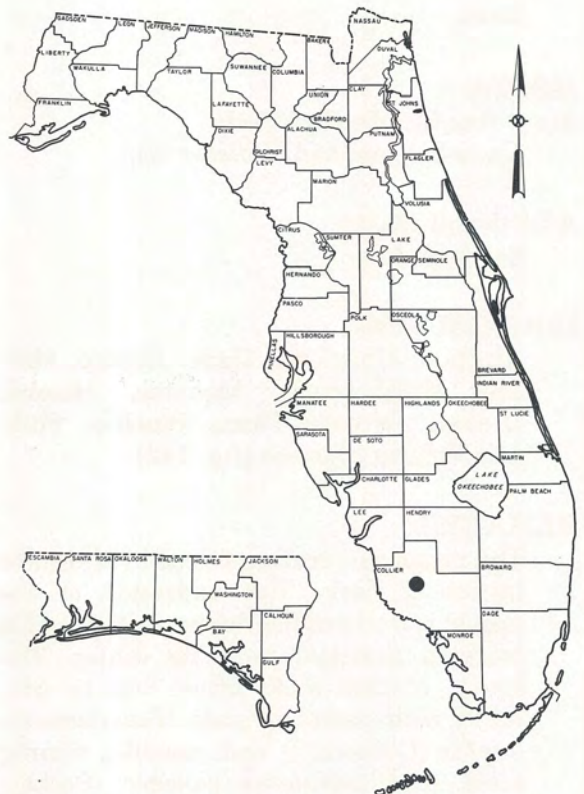


Fig. 143. Distribution of *Epidiaspis tillandsiae* Takagi & Tippins, Spanish-moss scale.

SCIENTIFIC NAME:

Fiorinia fioriniae (Targioni-Tozzetti)
(fee-oh-RIN-ee-ah fee-oh-RIN-ee-ee)

COMMON NAME:

fiorinia scale

DESCRIPTION OF ARMOR:**Female:**

Elliptical, shield-shaped, thin; translucent, brownish yellow to orange-brown, the lateral margins slightly curved; 1-1.3 mm long. First exuviae terminal, pale yellow, projecting partly beyond the second exuviae. The second exuviae covers the insect entirely (pupillarial form).

Male:**(Preadult)**

Not observed. Probably similar to *Fiorinia theae* Green.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

coconut palm (*Cocos nucifera* L.) and bay (*Persea* sp.)

Additional Hosts:

See page 191

DISTRIBUTION:

Brevard, Broward, Dade, Highlands, Hillsborough, Indian River, Lee, Manatee, Monroe, Orange, Palm Beach, Pinellas, Polk, Sumter, and Volusia counties (fig. 145)

REMARKS:

This scale has been confused with dentate scale (*Velaspis dentata* (Hoke)). Occasionally an economic pest in commercial nurseries.



Fig. 144. *Fiorinia fioriniae* (Targioni-Tozzetti), fiorinia scale (X2) (After Merrill).



Fig. 145. Distribution of *Fiorinia fioriniae* (Targioni-Tozzetti), fiorinia scale.

SCIENTIFIC NAME:

Fiorinia theae Green
(fee-oh-RIN-ee-ah THEE-ee)

COMMON NAME:

tea scale

DESCRIPTION OF ARMOR:

Female:

Approximately oval, shield-shaped, moderately thick, dark brown to almost black; 1-1.3 mm long. First exuviae terminal, usually grayish, sometimes with a tinge of yellow. The second exuviae covers the insect entirely (pupillarial form). There is a prominent central ridge lengthwise the second exuviae.

Male:

(Preadult)

Sides nearly parallel, snow-white, faintly tricarinate to non-carinate; 1 mm long. Exuviae terminal, pale yellow. When crowded, the male scales appear as though covered with a flocculent secretion.

HABITAT:

Leaf

HOSTS:

Most frequently reported:

Camellia spp.

Additional Hosts:

See page 192

DISTRIBUTION:

General in Florida (fig. 147)

REMARKS:

This scale is a serious pest of camellias and requires frequent spray applications for control. It is one of the ten most economically important pests to ornamental nurseries in Central and North Florida.

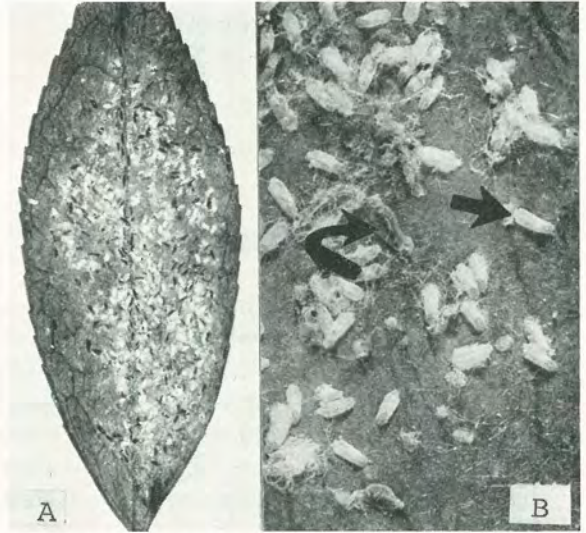


Fig. 146. *Fiorinia theae* Green, tea scale (A) Slightly enlarged ♂ and ♀. (B) (X6). Straight arrow points to ♂; curved arrow points to ♀ (After Merrill and Chaffin).

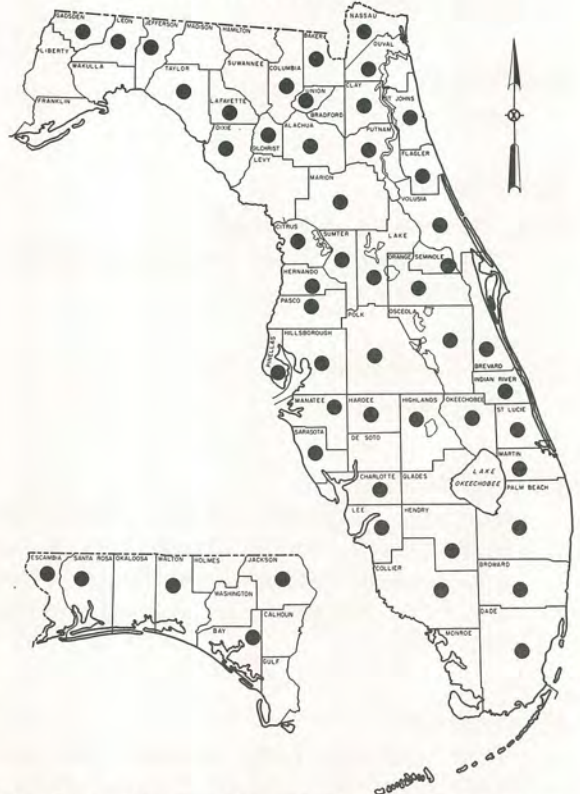


Fig. 147. Distribution of *Fiorinia theae* Green, tea scale.

SCIENTIFIC NAME:

Fissuraspis ulmi (Hoke)
(fiss-you-RASS-pis UL-my)

PROPOSED COMMON NAME:

elm scale

DESCRIPTION OF ARMOR:**Female:**

Elongate, swollen, shiny black, brittle, covered with a white waxy secretion; 1-1.3 mm long. The female insect is enclosed entirely by the second exuviae (pupillarial form).

Male:**(Preadult)**

Elongate, white, $\frac{1}{4}$ as long as wide. Exuviae shiny, ivory-colored.

HABITAT:

Bark

HOSTS:

American elm (*Ulmus americana* L.)

DISTRIBUTION:

Seminole, Sumter, and Volusia counties (fig. 149)

REMARKS:

The scale is found in crevices and beneath loose bark. The shiny black seed-like second exuviae is easily detected with a hand lens. The scale is not known to be of economic importance.

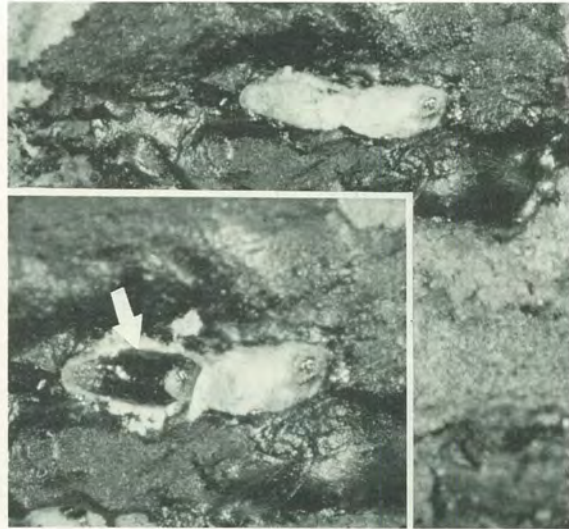


Fig. 148. *Fissuraspis ulmi* (Hoke), elm scale (X15). Inset (X20). Arrow points to ♀ second exuviae after white waxy secretion has been brushed off. The second exuviae encases the ♀ on American elm.



Fig. 149. Distribution of *Fissuraspis ulmi* (Hoke), elm scale.

SCIENTIFIC NAME:

Furcaspis biformis (Cockerell)
(fur-KASS-pis by-FOR-mis)

COMMON NAME:

orchid scale

DESCRIPTION OF ARMOR:

Female:

Nearly circular, moderately convex, dark reddish brown, opaque, margins somewhat lighter; 1.5-2 mm in diam. Exuviae central or subcentral, prominent and same general color as remainder of armor.

Male:

(Preadult)

Similar to female but much smaller and more slender.

HABITAT:

Leaf and pseudobulb

HOSTS:

Most frequently reported:
orchids

Additional Hosts:

See page 193

DISTRIBUTION:

Dade, Hillsborough, Lee, and Seminole counties (fig. 151)

REMARKS:

This scale has been confused with Florida red scale (*Chrysomphalus aonidum* (Linnaeus)). In Florida it is not a common scale and is not an economic pest on orchids.

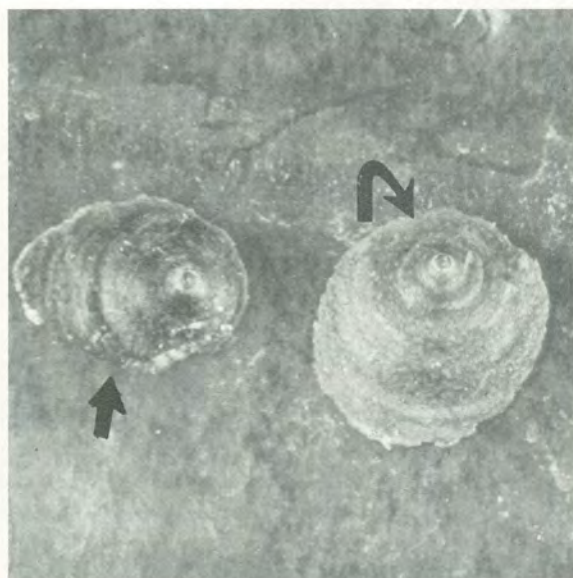


Fig. 150. *Furcaspis biformis* (Cockerell), orchid scale (X20). Straight arrow points to ♂; curved arrow points to ♀ on orchid.

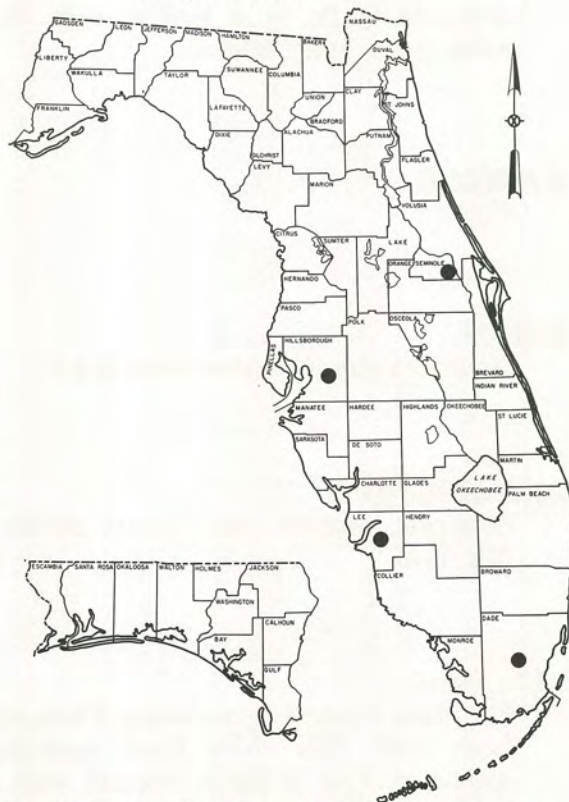


Fig. 151. Distribution of *Furcaspis biformis* (Cockerell), orchid scale.

SCIENTIFIC NAME:

Genaparlatoria pseudaspidiotus
(Lindinger)
(je-na-PAR-la-TOE-ree-ah
soo-DAS-pid-i-OH-tus)

PROPOSED COMMON NAME:

vanda orchid scale

DESCRIPTION OF ARMOR:

Female:

Oval, slightly to moderately convex, dark brown, opaque, margins lighter; 1-1.5 mm long. Exuviae submarginal; dull green.

Male:

(Preadult)

Smaller and more slender than female. Exuviae marginal.

HABITAT:

Leaf

HOSTS:

mango (*Mangifera indica* L.) and vanda orchid (*Vanda teres* (Roxb.) Ldl. 'Joaquim')

DISTRIBUTION:

Dade, Palm Beach, Pinellas, St. Lucie, and Volusia counties (fig. 153)

REMARKS:

The armor is usually covered with a thin film of waxy or dusty secretion. This scale is not found often in Florida and is not a serious pest to mango or orchids in Florida.



Fig. 152. *Genaparlatoria pseudaspidiotus* (Lindinger), vanda orchid scale (X4). Inset (X20). Straight arrow points to ♂; curved arrow points to ♀ on orchid.

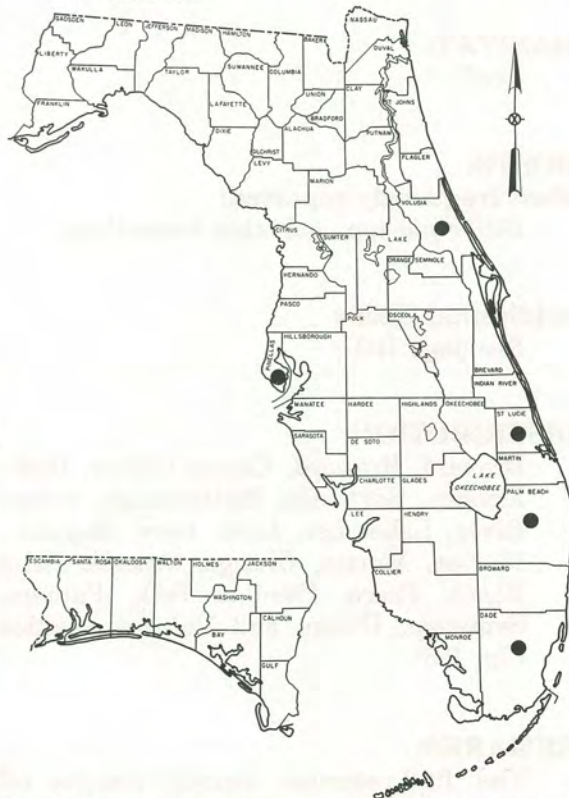


Fig. 153. Distribution of *Genaparlatoria pseudaspidiotus* (Lindinger), vanda orchid scale.

SCIENTIFIC NAME:

Gymnaspis aechmeae Newstead
(jim-NASS-pis EEK-me-ee)

PROPOSED COMMON NAME:

flyspeck scale

DESCRIPTION OF ARMOR:**Female:**

Circular or gumbdrop-shaped, very convex, opaque, brittle, shining black or bronzy black, 0.8-1.25 mm in diam. The second exuviae encases the insect (pupillarial form).

Male:**(Preadult)**

Oval, black or purplish black; about 0.9 mm long. Exuviae sublateral.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

Billbergia spp. and other bromeliads

Additional Hosts:

See page 193

DISTRIBUTION:

Brevard, Broward, Citrus, Collier, Dade, Hendry, Hernando, Hillsborough, Indian River, Lake, Lee, Leon, Levy, Manatee, Marion, Martin, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, Seminole, Union, and Volusia counties (fig. 155)

REMARKS:

The first exuviae usually sloughs off during the second stage of insect's development. This scale is a serious pest of bromeliads in Florida.

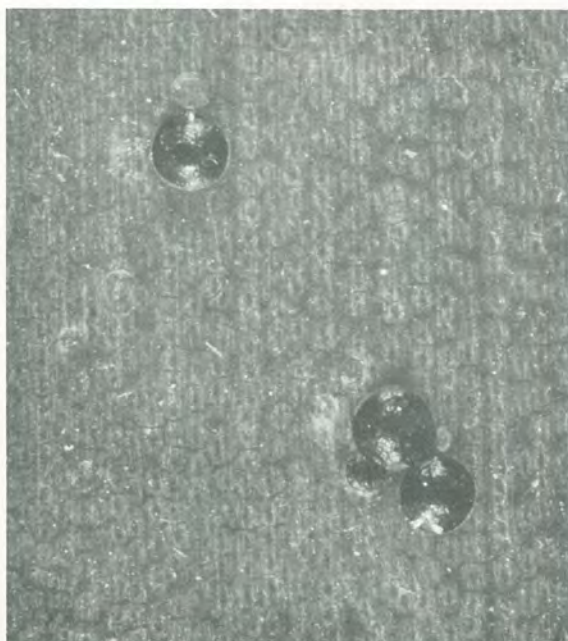


Fig. 154. *Gymnaspis aechmeae* Newstead, flyspeck scale (X10) on bromeliad.

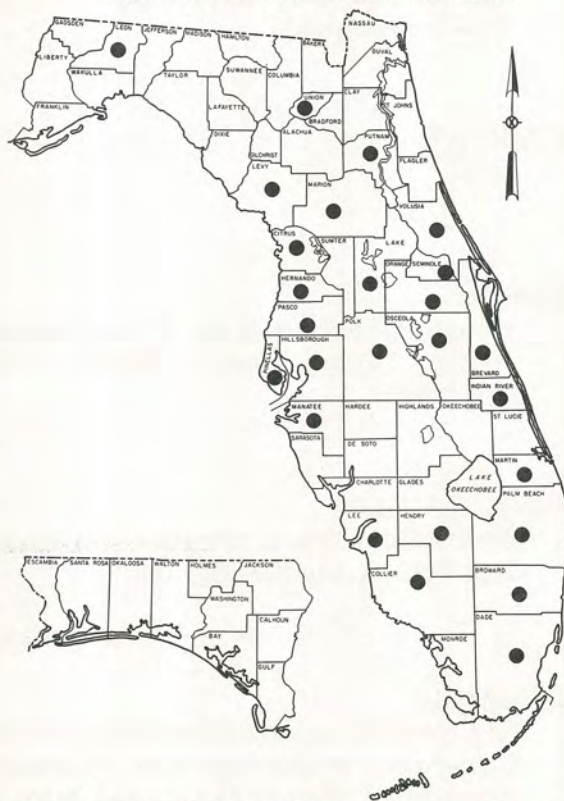


Fig. 155. Distribution of *Gymnaspis aechmeae* Newstead, flyspeck scale.

SCIENTIFIC NAME:

Haliaspis asymmetrica (Ferris)
(HAL-ee-ASS-pis assim-MET-rick-a)

PROPOSED COMMON NAME:

asymmetric scale

DESCRIPTION OF ARMOR:**Female:**

Long, slender, snow white, sides usually curved; slightly convex, 2.50-3.0 mm long. Exuviae terminal.

Male:

Similar in shape and color to female but smaller; 1.25-1.40 long.

HABITAT:

Sheath at base of tuft

HOSTS:

wire grass (*Eleusine* sp.)

DISTRIBUTION:

Hardee, Monroe, Okaloosa, Orange, and Polk counties (fig. 157)

REMARKS:

The specimens were collected on "wire grass" on roadside at Limestone, Florida, by G. W. Dekle, 1 January, 1952. The species was described by G. F. Ferris from microslide mounts of specimens sent to him by G. B. Merrill. The description of female and male armor was received through the courtesy of H. H. Tippins and J. O. Howell, Georgia Experiment Station, Experiment, Georgia. The scale is not known to be of economic importance in Florida.



Fig. 156. *Haliaspis asymmetrica* (Ferris), asymmetric scale (X8), on wire grass.



Fig. 157. Distribution of *Haliaspis asymmetrica* (Ferris), asymmetric scale.

HALIASPIS

88

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Haliaspis peninsularis Howell
(HAL-ee-ASS-pis pen-INN-soo-LAIR-iss)

PROPOSED COMMON NAME:

marsh grass scale

DESCRIPTION OF ARMOR:

Female:

Elongate, white, fairly convex, with irregular thickenings of wax, giving a rough appearance; 2.0-2.5 mm long. Exuviae terminal.

Male:

(Preadult)

Smaller, otherwise similar to female; about 1.0 mm long. Exuviae terminal.

HABITAT:

Leaf

HOSTS:

Spartina spartinae (Trin.) Merr.

DISTRIBUTION:

Hernando and Monroe counties (fig. 159)

REMARKS:

The description of female and male armor was received through the courtesy of H. H. Tippins and J. O. Howell, Georgia Experiment Station, Experiment, Georgia. The scale is of no known economic importance in Florida.

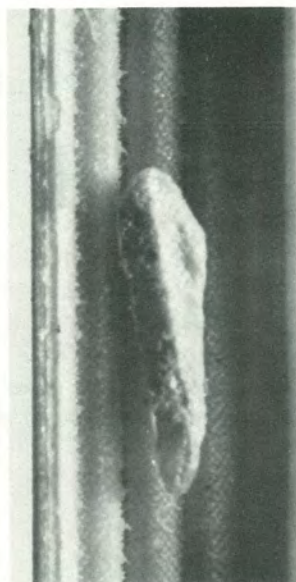


Fig. 158. *Haliaspis peninsularis* Howell, marsh grass scale (X12).

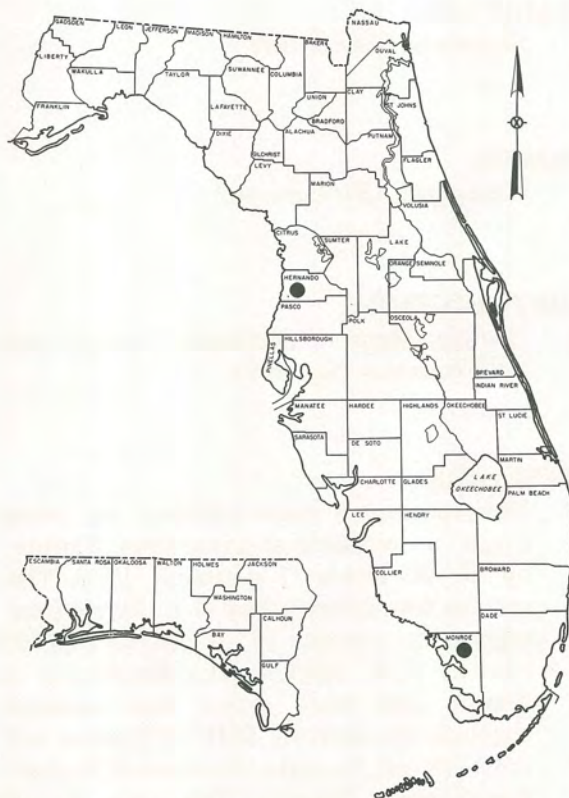


Fig. 159. Distribution of *Haliaspis peninsularis* Howell, marsh grass scale.

SCIENTIFIC NAME:

Haliaspis spartinae (Comstock)
(HAL-ee-ASS-pis spar-TINY)

COMMON NAME:

cord grass scale

DESCRIPTION OF ARMOR:**Female:**

Long slender shaped, slides usually curved, snow-white, convex; 2-3 mm long. Exuviae terminal.

Male:**(Preadult)**

Not observed

HABITAT:

Leaf

HOSTS:

salt grass (*Distichlis* sp.)

DISTRIBUTION:

Martin and St. Lucie counties (fig. 161)

REMARKS:

This grass feeder, on a non-economic host, is of no known economic importance. It was originally recorded from "cord grass", *Spartina stricta*, in Massachusetts, and from the same host in California and Texas (Ferris, 1937).



Fig. 160. *Haliaspis spartinae* (Comstock), cord grass scale (X15). Arrow points to ♀ on salt grass.

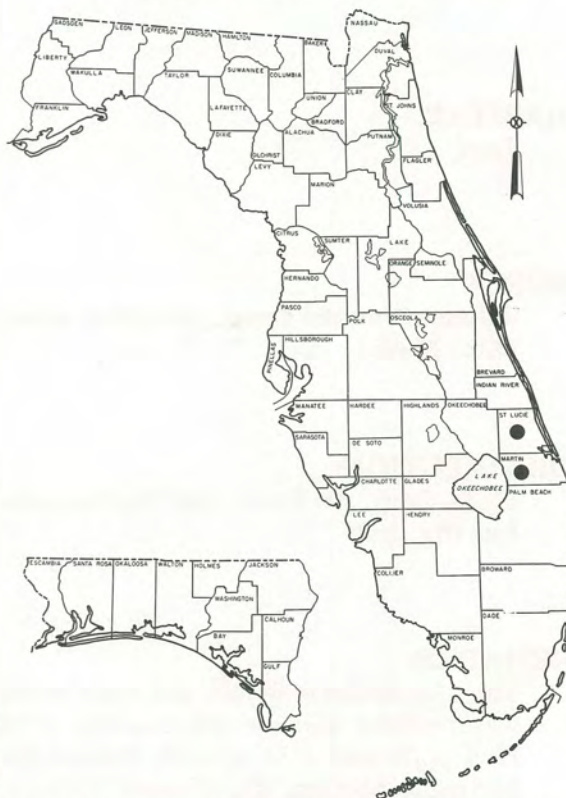


Fig. 161. Distribution of *Haliaspis spartinae* (Comstock), cord grass scale.

SCIENTIFIC NAME:

Haliaspis uniolae Takagi
(HAL-ee-ASS-pis you-NYE-oh-lee)

PROPOSED COMMON NAME:

sea oat scale

DESCRIPTION OF ARMOR:

Female:

Elongate, slender, snow white, slightly convex; 1.75-2.0 mm long. Exuviae terminal.

Male:

(Preadult)

Similar in shape and color to female, but smaller; .90-1.15 mm long.

HABITAT:

Leaf

HOSTS:

saltmeadow cord grass (*Spartina patens* (Ait.) Muhl.)

DISTRIBUTION:

Dade, Levy, St. Lucie, and Walton counties (fig. 163)

REMARKS:

The description of female and male armor was received through the courtesy of H. H. Tippins and J. O. Howell, Georgia Experiment Station, Experiment, Georgia. The scale is of no known economic importance in Florida.

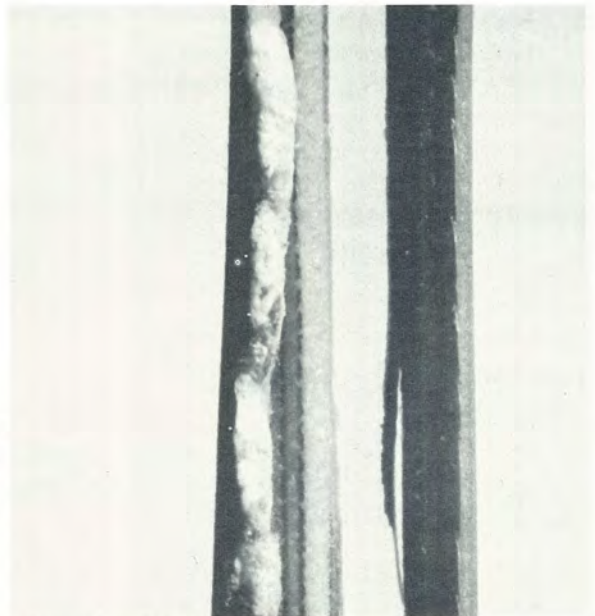


Fig. 162. *Haliaspis uniolae* Takagi sea oat scale (X10). On saltmeadow cord grass.

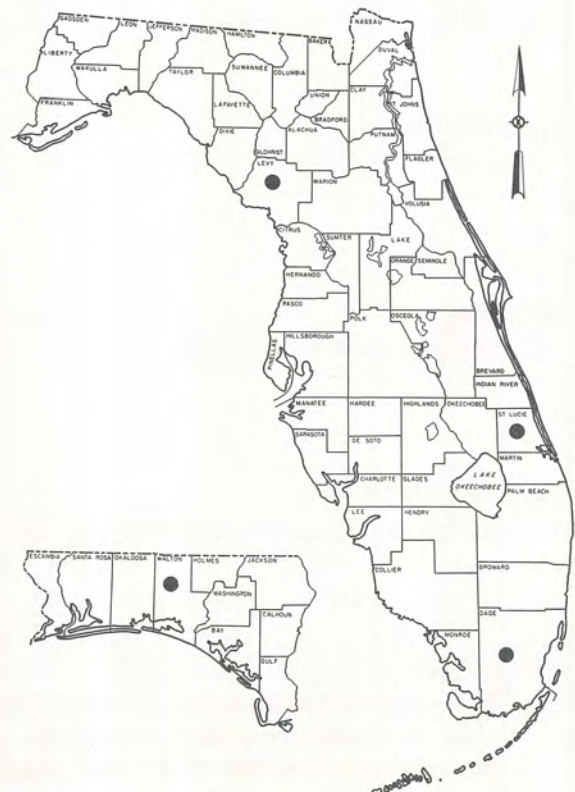


Fig. 163. Distribution of *Haliaspis uniolae* Takagi, sea oat scale.

SCIENTIFIC NAME:

Hemiberlesia diffinis (Newstead)
(hem-ee-ber-LAY-see-ah dif-EYE-niss)

PROPOSED COMMON NAME:

diffinis scale

DESCRIPTION OF ARMOR:**Female:**

Elongate oval, highly convex, gray, opaque; 1.3 mm long. Exuviae large and submarginal.

Male:**(Preadult)**

Similar in shape and color to the female but $\frac{1}{2}$ as large.

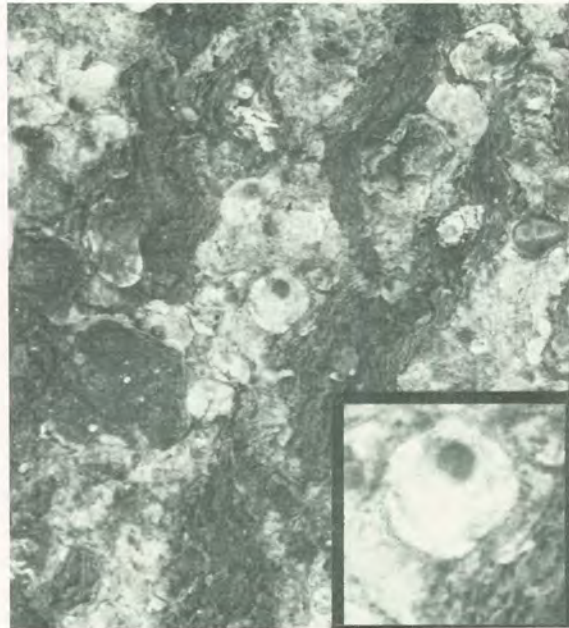


Fig. 164. *Hemiberlesia diffinis* (Newstead), diffinis scale (X6). Inset (X12).

HABITAT:

Bark

HOSTS:

American elm (*Ulmus americana* L.),
Mimosa sp., and *Persea* sp.

DISTRIBUTION:

Alachua, Jefferson, Levy, Marion, Palm Beach, Pinellas, and Volusia counties (fig. 165)

REMARKS:

This scale was collected by Plant Specialist A. E. Graham in December 1961 at Williston, Levy County, Florida, on *Mimosa* sp. This was the first Division of Plant Industry record. Microslide mounts are on deposit in the FSCA.

Dr. G. F. Ferris considered the scale a native species of North America even though it was first described from South America. The scale is not known to be of economic importance in Florida.



Fig. 165. Distribution of *Hemiberlesia diffinis* (Newstead), diffinis scale.

SCIENTIFIC NAME:

Hemiberlesia lataniae (Signoret)
(hem-ee-ber-LAY-see-ah la-TAIN-ee-ee)

COMMON NAME:

latania scale

DESCRIPTION OF ARMOR:

Female:

Circular, strongly convex, usually a dirty white; 1.5-2 mm in diam. Exuviae rather large, pale brown, central to subcentral; usually covered with a scant, light colored secretion.

Male:

(Preadult)

Similar to female; smaller and more slender.

HABITAT:

Bark, leaf, and fruit

HOSTS:

Most frequently reported:

Australian pine (*Casuarina* sp.), loquat (*Eriobotrya* sp.), palms, and rose (*Rosa* sp.)

Additional Hosts:

See page 194

DISTRIBUTION:

General in Florida (fig. 167)

REMARKS:

The armor is irregular in shape when crowded on the host. This scale is one of the most common scales in Florida. It is a serious pest on palms, Australian pine, and other ornamental plants. The scale is a host of several wasp parasites, and usually they keep the scale under control. It has also been confused with spinose scale (*Aspidiotus spinosus* Comstock).



Fig. 166. *Hemiberlesia lataniae* (Signoret), latania scale (X3). Inset (X6).



Fig. 167. Distribution of *Hemiberlesia lataniae* (Signoret), latania scale.

SCIENTIFIC NAME:

Hemiberlesia palmae (Cockerell)
(hem-ee-ber-LAY-see-ah PALM-ee)

COMMON NAME:

tropical palm scale

DESCRIPTION OF ARMOR:**Female:**

Circular or oval, moderately convex, light to dark brown or straw-colored, 1.75-2.25 mm long. Exuviae subcentral, slightly darker in color than the secretory cover.

Male:**(Preadult)**

Concolorous with the female; smaller, more elongate.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

Bromeliaceae

Additional Hosts:

See page 200

DISTRIBUTION:

Bay, Brevard, Broward, Dade, Hillsborough, Indian River, Marion, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, St. Johns, Sarasota, Seminole, and Volusia counties (fig. 169)

REMARKS:

The scale may be confused with cyanophyllum scale (*Abgrallaspis cyanophylli* (Signoret)) on *Billbergia elegans* Mart. It is not of economic importance in Florida.



Fig. 168. *Hemiberlesia palmae* (Cockerell), tropical palm scale (X15). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 169. Distribution of *Hemiberlesia palmae* (Cockerell), tropical palm scale.

HEMIBERLESIA

94

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Hemiberlesia rapax (Comstock)
(hem-ee-ber-LAY-see-ah RAY-pax)

COMMON NAME:

greedy scale

DESCRIPTION OF ARMOR:

Female:

Circular, strongly convex, gray to whitish; 1-1.5 mm in diam. Exuviae subcentral and darker. Ferris describes the armor as: "having a strongly tipped-over appearance."

Male:

(Preadult)

Similar to the female scale, less convex and smaller. Exuviae subcentral.

HABITAT:

Bark and leaf

HOSTS:

Most frequently reported:

pecan (*Carya illinoensis* Koch)

Additional Hosts:

See page 201

DISTRIBUTION:

Alachua, Baker, Dade, Hillsborough, Jefferson, Lake, Lee, Marion, Pinellas, Polk, Putnam, Sarasota, Seminole, Volusia, and Washington counties (fig. 171)

REMARKS:

The armor is slightly transparent on some of its hosts. It is sometimes confused with Putnam scale (*Diaspidiotus ancylus* (Putnam)) but is separated from it by the brown or black nipple formed over the exuviae. Even though wasp parasites attack this scale, it is sometimes a serious pest in Florida.



Fig. 170. *Hemiberlesia rapax* (Comstock), greedy scale (X7).

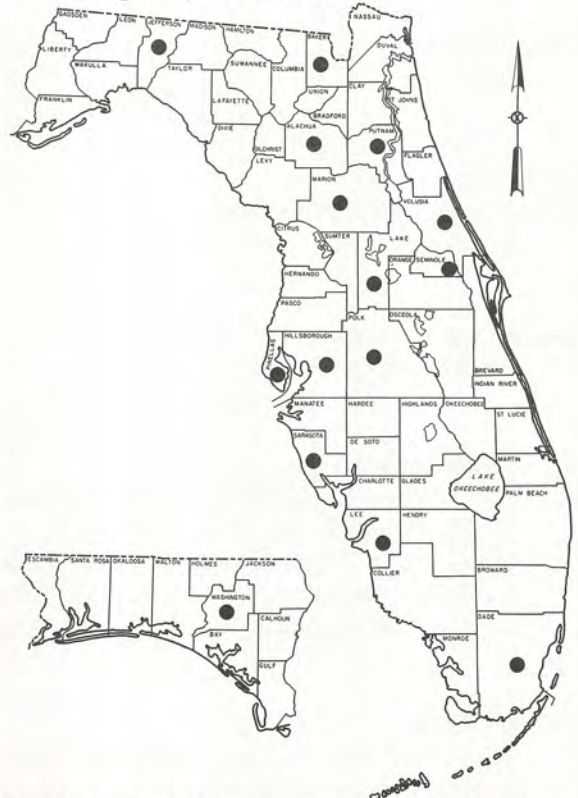


Fig. 171. Distribution of *Hemiberlesia rapax* (Comstock), greedy scale.

SCIENTIFIC NAME:

Howardia biclavis (Comstock)
(HOWARD-dee-ah by CLAV-iss)

COMMON NAME:

mining scale

DESCRIPTION OF ARMOR:**Female:**

Approximately circular, moderately convex, thick, whitish, grayish, or yellowish; 2-2.5 mm in diam. Exuviae submarginal, light brown.

Male:**(Preadult)**

Not observed

HABITAT:

Bark, leaf, and fruit

HOSTS:**Most frequently reported:**

ixora (*Ixora coccinea* L.), sambac jasmine (*Jasminum sambac* Ait.), sapodilla (*Achras sapota* L.), and *Tabernaemontana* sp.

Additional Hosts:

See page 202

DISTRIBUTION:

Brevard, Broward, Charlotte, Collier, Dade, DeSoto, Highlands, Hillsborough, Indian River, Lake, Lee, Manatee, Martin, Monroe, Okeechobee, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, St. Lucie, Sarasota, Seminole, and Volusia counties (fig. 173)

REMARKS:

The scale is partly mining in habit, often covered by the outer layers of bark. Even though the scale is highly parasitized, it is an economic pest of woody ornamentals in Florida.

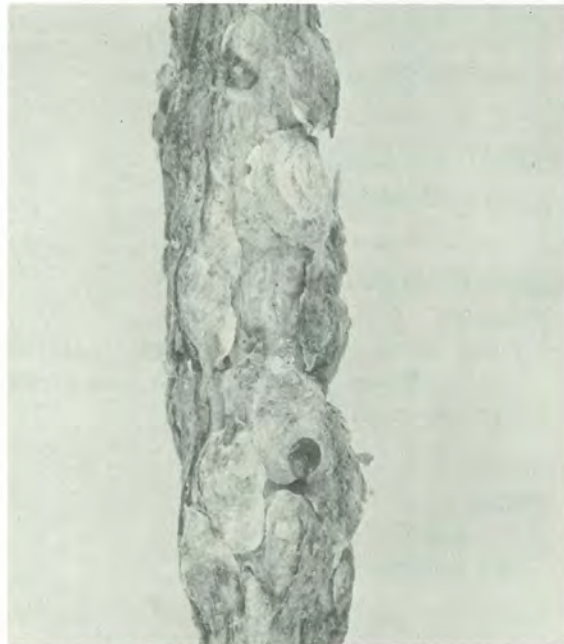


Fig. 172. *Howardia biclavis* (Comstock), mining scale (X15) (After Merrill).



Fig. 173. Distribution of *Howardia biclavis* (Comstock), mining scale.

SCIENTIFIC NAME:

Ischnaspis longirostris (Signoret)
(ish-NASS-pis LON-gee-ROS-tris)

COMMON NAME:

black thread scale

DESCRIPTION OF ARMOR:

Female:

Long, slender, threadlike, sides parallel, very convex, shiny black; 2-3.5 mm long. Exuviae terminal, brownish.

Male:

(Preadult)

Not observed

HABITAT:

Leaf, bark, and fruit

HOSTS:

Most frequently reported:

palm (*Chamaedorea elegans* Mart.), other palms, and ceriman (*Monstera deliciosa* Liebm.)

Additional Hosts:

See page 204

DISTRIBUTION:

Alachua, Brevard, Broward, Charlotte, Collier, Dade, DeSoto, Duval, Hendry, Hillsborough, Indian River, Jackson, Jefferson, Lake, Lee, Madison, Manatee, Martin, Monroe, Orange, Osceola, Palm Beach, Pinellas, Polk, St. Johns, St. Lucie, Sarasota, Seminole, and Volusia counties (fig. 175)

REMARKS:

Black thread scale is occasionally a very serious pest on palms and greenhouse plants in Florida.

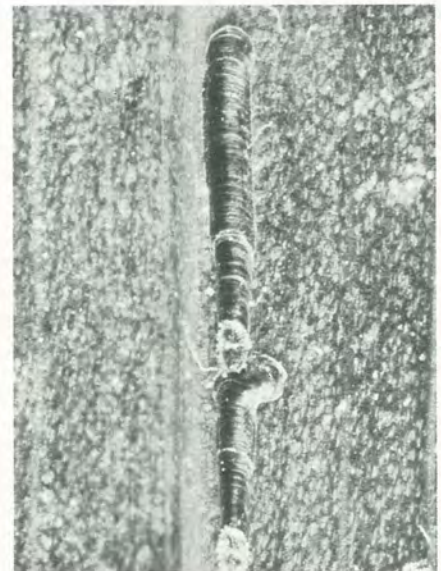


Fig. 174. *Ischnaspis longirostris* (Signoret), black thread scale (X14).

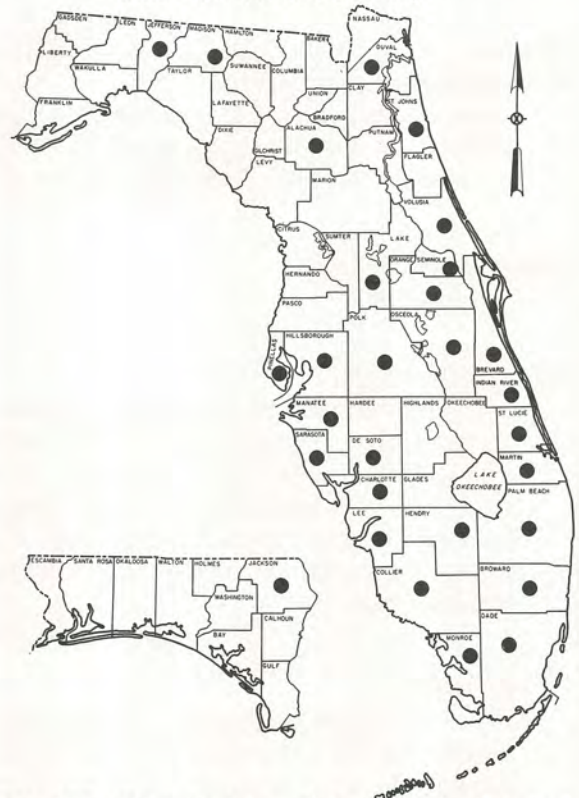


Fig. 175. Distribution of *Ischnaspis longirostris* (Signoret), black thread scale.

SCIENTIFIC NAME:

Kuwanaspis howardi (Cooley)
(koo-wa-NASS-pis HOWARD-eye)

PROPOSED COMMON NAME:

bamboo white scale

DESCRIPTION OF ARMOR:**Female:**

Elongate, sides parallel, grayish white, and 1 mm long. Exuviae terminal and yellow (Howard, 1971).

Male:**(Preadult)**

Similar to that of the female but smaller, carina present (Howard, 1971).

HABITAT:

Stem, near nodes

HOSTS:

bamboo (*Bambusa* sp.)

DISTRIBUTION:

Baker County (fig. 176)

REMARKS:

The scale is not known to be of economic importance in Florida.

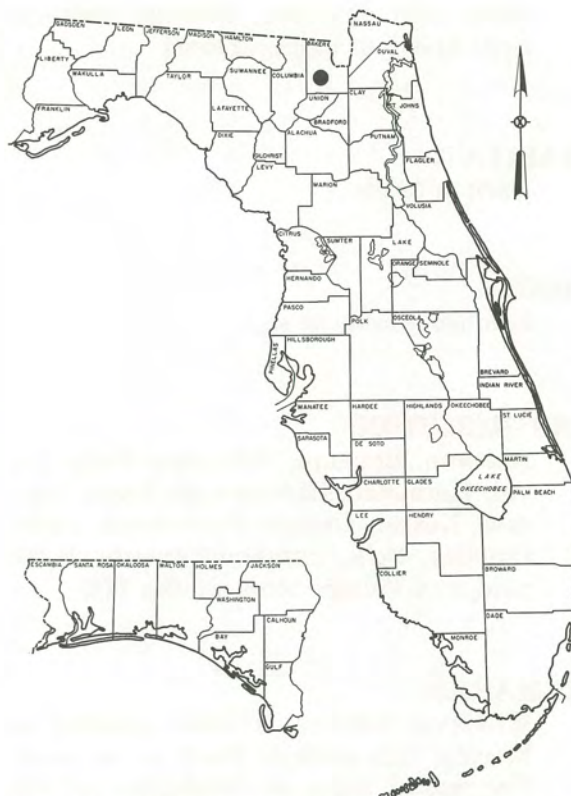


Fig. 176. Distribution of *Kuwanaspis howardi* (Cooley), bamboo white scale.

SCIENTIFIC NAME:

Kuwanaspis pseudoleucaspis (Kuwana)
(koo-wa-NASS-pis
SOO-doe-lew-KAS-pis)

COMMON NAME:

bamboo diaspidid scale

DESCRIPTION OF ARMOR:

Female:

Long, slender, convex, moderately thick, white to dirty white, sides approximately parallel but tending to diverge from the exuviae; 2-3 mm long. Exuviae terminal, light brown or copper-colored.

Male:

(Preadult)

Approximately oblong, white, tricarinate; about 0.75 mm long. Exuviae terminal, light brown or copper-colored.

HABITAT:

Bark of canes

HOSTS:

bamboo (*Bambusa* sp.)

DISTRIBUTION:

Alachua, Broward, Columbia, Dade, Duval, Hernando, Hillsborough, Lake, Manatee, Nassau, Orange, Palm Beach, Pasco, Pinellas, Polk, Putnam, Sarasota, Seminole, and Volusia counties (fig. 178)

REMARKS:

Wherever bamboo is found growing in Florida, this scale is likely to be found. The scales seem to congregate at the nodes. It is not of economic importance in Florida.



Fig. 177. *Kuwanaspis pseudoleucaspis* (Kuwana), bamboo diaspidid scale (X15) (After Merrill). Straight arrow points to ♂; curved arrow points to ♀ on bamboo.



Fig. 178. Distribution of *Kuwanaspis pseudoleucaspis* (Kuwana), bamboo diaspidid scale.

SCIENTIFIC NAME:

Lepidosaphes beckii (Newman)
(LEP-ee-doe-SAY-fees BEK-ee-eye)

COMMON NAME:

purple scale

DESCRIPTION OF ARMOR:**Female:**

Oystershell-shaped, straight or curved, moderately or slightly convex, thick, purplish or dark brown, extreme margins somewhat lighter; 2-3 mm long. Exuviae terminal, second exuviae about $\frac{1}{3}$ or $\frac{1}{4}$ the length of the scale. First exuviae very short.

Male:**(Preadult)**

Slender, about $\frac{1}{2}$ as long as the female scale, typically more purplish than female but also concolorous or lighter in color. Exuviae terminal.

HABITAT:

Bark, leaf, and fruit

HOSTS:**Most frequently reported:**

Citrus spp.

Additional Hosts:

See page 207

DISTRIBUTION:

General in Florida (fig. 180)

REMARKS:

A wasp parasite has reduced the economic importance of purple scale in recent years to that of a minor pest of citrus.

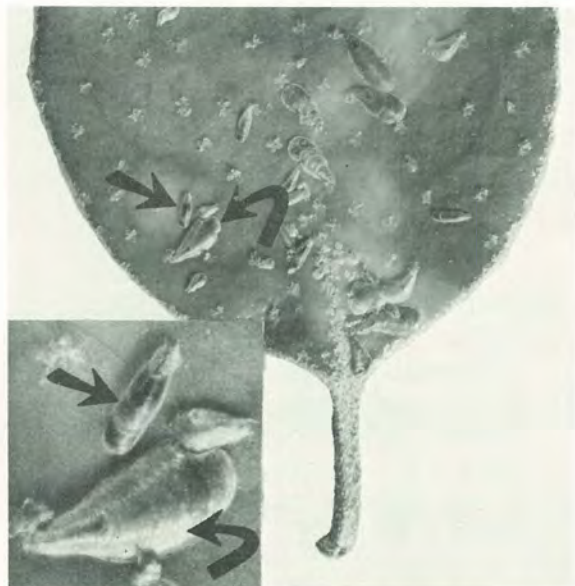


Fig. 179. *Lepidosaphes beckii* (Newman), purple scale (X4). Inset (X15). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 180. Distribution of *Lepidosaphes beckii* (Newman), purple scale.

SCIENTIFIC NAME:

Lepidosaphes camelliae Hoke
(LEP-ee-doe-SAY-fees ka-MELL-ee-ee)

COMMON NAME:

camellia scale

DESCRIPTION OF ARMOR:

Female:

Oystershell-shaped, slightly convex, thick, usually straight but curved when crowded, light or moderately dark brown; about 2.5 mm long. Exuviae terminal; second exuviae approximately $\frac{1}{2}$ the length of the scale.

Male:

(Preadult)

Similar to the female, slender, shorter, light brown with a polished coppery tinge. Exuviae terminal with a greenish golden tinge.

HABITAT:

Leaf

HOSTS:

Most frequently reported:

Camellia spp. and holly (*Ilex* spp.)

Additional Hosts:

See page 208

DISTRIBUTION:

General in Florida (fig. 182)

REMARKS:

The scale is similar to purple scale but is lighter in color. It is occasionally a serious pest on camellia and holly in Central and North Florida.



Fig. 181. *Lepidosaphes camelliae* Hoke, camellia scale (X14). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 182. Distribution of *Lepidosaphes camelliae* Hoke, camellia scale.

SCIENTIFIC NAME:

Lepidosaphes gloverii (Packard)
(LEP-ee-doe-SAY-fees glo-VAIR-ee-eye)

COMMON NAME:

Glover scale

DESCRIPTION OF ARMOR:**Female:**

Very long, slender, with sides nearly parallel, straight or curved; brownish yellow to dark brown, or variable; margins somewhat lighter; 2.5-3.25 mm long. Exuviae terminal, yellowish.

Male:**(Preadult)**

Smaller, otherwise similar to female; about 1.5 mm long. Exuviae terminal.

HABITAT:

Bark, leaf, and fruit

HOSTS:**Most frequently reported:**

Citrus spp.

Additional Hosts:

See page 208

DISTRIBUTION:

Alachua, Brevard, Broward, Charlotte, Citrus, Collier, Dade, DeSoto, Duval, Hardee, Hendry, Highlands, Hillsborough, Indian River, Lafayette, Lake, Lee, Manatee, Marion, Monroe, Okeechobee, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Johns, St. Lucie, Sarasota, Seminole, Sumter, and Volusia counties (fig. 184)

REMARKS:

This scale is found more often on the twigs and smaller branches of citrus. It is frequently a serious pest of citrus in Florida. It is similar to Maskell scale (*Lepidosaphes pallida* (Maskell)) found on *Juni-perus* sp.



Fig. 183. *Lepidosaphes gloverii* (Packard), Glover scale (X8).



Fig. 184. Distribution of *Lepidosaphes gloverii* (Packard), Glover scale.

LEPIDOSAPHES

102

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Lepidosaphes machili (Maskell)
(LEP-ee-doe-SAY-fees MACK-ill-eye)

COMMON NAME:

cymbidium scale

DESCRIPTION OF ARMOR:

Female:

Elongate sides, usually curved, sometimes pear-shaped; light to dark brown; 2-3 mm long. Exuviae terminal and about $\frac{1}{4}$ the length of scale.

Male:

(Preadult)

Similar to female but much smaller and more slender.

HABITAT:

Leaf

HOSTS:

orchid (*Cymbidium* sp.; *Dendrobium* sp.)

DISTRIBUTION:

Dade, Duval, Hernando, Leon, Palm Beach, and Santa Rosa counties (fig. 186)

REMARKS:

This scale was first collected in Florida in 1932 at Coconut Grove. It is not a common scale on orchids in Florida and is not of economic importance.



Fig. 185. *Lepidosaphes machili* (Maskell), cymbidium scale (X3). Inset (X14) on orchid.

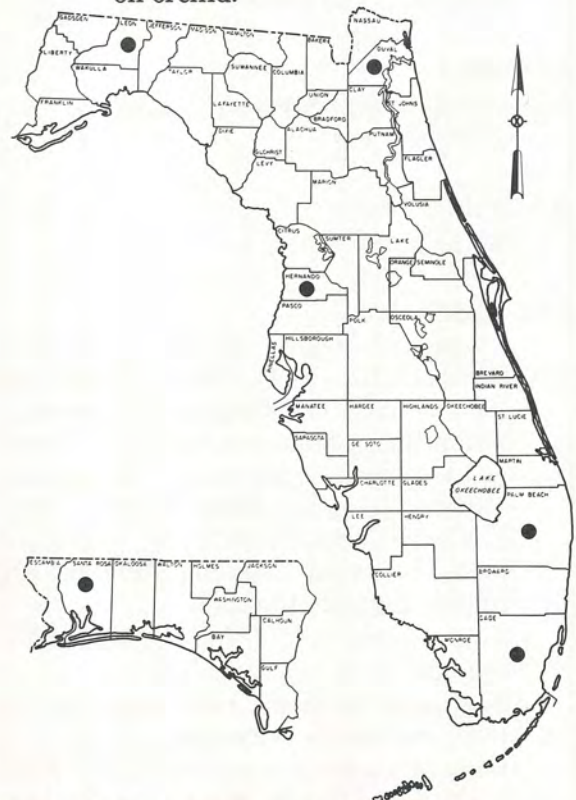


Fig. 186. Distribution of *Lepidosaphes machili* (Maskell), cymbidium scale.

SCIENTIFIC NAME:

Lepidosaphes pallida (Maskell)
(LEP-ee-doe-SAY-fees PAL-li-da)

COMMON NAME:

Maskell scale

DESCRIPTION OF ARMOR:**Female:**

Oystershell-shaped, moderately convex, light brown, sometimes whitish at larger end; 1-1.5 mm long. Exuviae terminal; second exuviae about $\frac{1}{4}$ the armor length.

Male:**(Preadult)**

Elongate, smaller, concolorous with the female. Exuviae terminal.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

Juniperus spp.

Additional Hosts:

See page 209

DISTRIBUTION:

General in Florida (fig. 188)

REMARKS:

This scale was discussed in G. B. Merrill's "Revision of Scale-Insects of Florida" as Newstead's scale (*Lepidosaphes newsteadi* (Sulc.)). In correspondence of August 15, 1962, the late Dr. Harold Morrison, Coccidologist, United States Department of Agriculture, made the following comment: "The specimens on *Juniperus* are, I suspect, the species which has most recently gone under the name *Lepidosaphes maskelli* (Ckll.) (e.g., see Balachowsky 1954e:87). This is probably the same form as that discussed in the Ferris Atlas II under the *L. newsteadi*. The present notion is that there are several closely related *Lepidosaphes* on conifers and the Balachowsky study cited above seems to be the clearest available study of their differentiation." The scale is highly parasitized in Florida. Occasionally it is a serious pest to junipers.

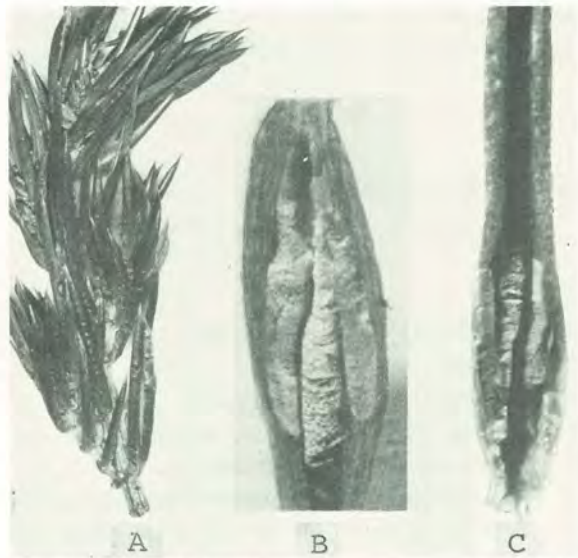


Fig. 187. *Lepidosaphes pallida* (Maskell), Maskell scale. (A) Infested stem with scale slightly enlarged; (B) Base of leaf with scale (X20); (C) Leaf with scale (X10).



Fig. 188. Distribution of *Lepidosaphes pallida* (Maskell), Maskell scale.

LEPIDOSAPHES

104

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Lepidosaphes ulmi (Linnaeus)
(LEP-ee-doe-SAY-fees UL-my)

COMMON NAME:

oystershell scale

DESCRIPTION OF ARMOR:

Female:

Elongate slender shaped, straight or curved, rather convex, thick, chestnut-brown to a very dark brown, with dune-like curved ridges transversely across the secreted portion; 1.5-3 mm long. Exuviae terminal, coppery brown; about $\frac{1}{3}$ the length of the scale.

Male:

(Preadult)

Similar in shape, concolorous with the female; about 1 mm long. Exuviae terminal.

HABITAT:

Bark

HOSTS:

common fig (*Ficus carica* L.)

DISTRIBUTION:

Baker and Duval counties (fig. 190)

REMARKS:

It is doubtful that this scale is in Florida. It apparently has not been collected on a Florida plant since 1921. Most of the records from Jacksonville were on plants intercepted from out of state by Plant Quarantine Inspectors.



Fig. 189. *Lepidosaphes ulmi* (Linnaeus), oystershell scale (X14).

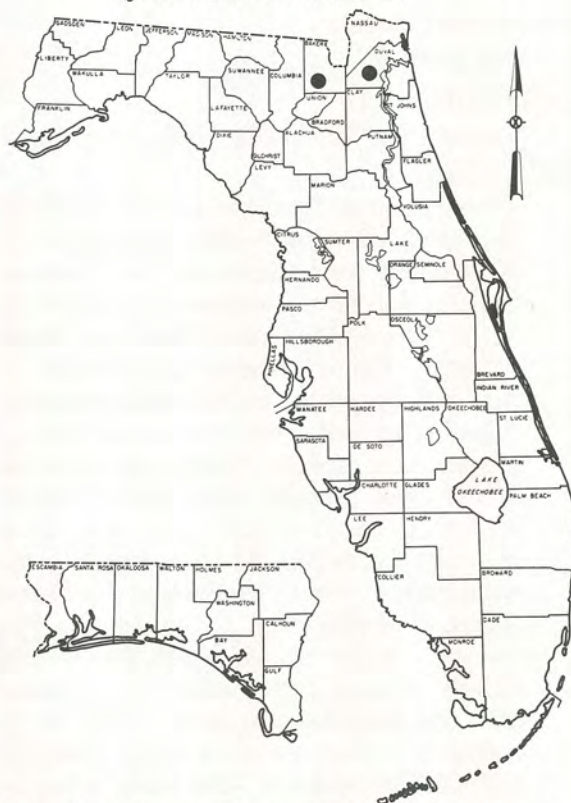


Fig. 190. Distribution of *Lepidosaphes ulmi* (Linnaeus), oystershell scale.

SCIENTIFIC NAME:

Lindingaspis floridana Ferris
(lin-din-GASS-pis flow-ri-DAY-na)

PROPOSED COMMON NAME:

floridana scale

DESCRIPTION OF ARMOR:**Female:**

Approximately circular, slightly convex, hard and brittle, grayish white to light brown, opaque; 2-2.75 mm in diam. Exuviae subcentral, smoky-colored, and covered with a waxy film.

Male:**(Preadult)**

Similar but very much smaller than the female.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

mango (*Mangifera indica* L.)

Additional Hosts:

See page 210

DISTRIBUTION:

Brevard, Orange, and Palm Beach counties (fig. 192)

REMARKS:

This scale can be confused with round conifer scale (*Acutaspis morrisonorum* Kosztarab) and red bay scale (*Acutaspis perseae* (Comstock)). It is not of economic importance in Florida. When examined with a hand lens, the secretory cover appears to be constructed of concentric rings.

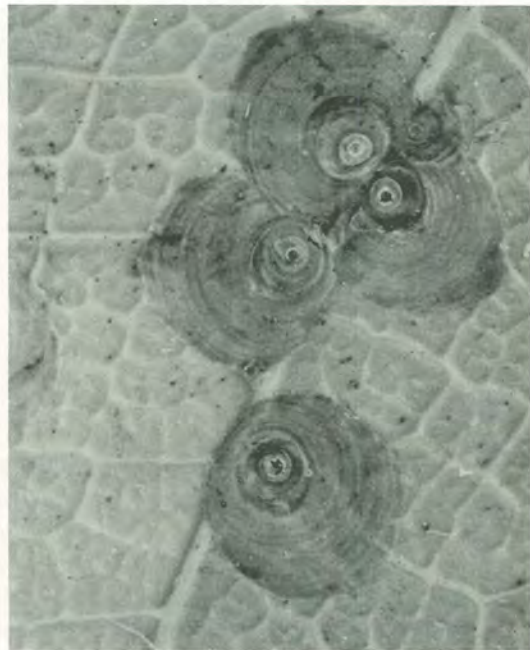


Fig. 191. *Lindingaspis floridana* Ferris, floridana scale (X10) (After Merrill).



Fig. 192. Distribution of *Lindingaspis floridana* Ferris, floridana scale.

SCIENTIFIC NAME:

Lopholeucaspis cockerelli (Grandpré and Charmoy)
(low-FOW-lew-KASS-pis
COCK-urr-RELL-eye)

COMMON NAME:

Cockerell scale

DESCRIPTION OF ARMOR:

Female:

Long and slender, with a high, rounded, central ridge running lengthwise; brownish, sometimes with a purplish tinge; ridge and margins whitish; 2 mm long, and 0.33 mm wide. The female scale insect is enclosed entirely by the second exuviae.

Male:

(Preadult)

Not observed

HABITAT:

Stem and leaf

HOSTS:

orchids

DISTRIBUTION:

Dade and Palm Beach counties (fig. 194)

REMARKS:

This scale was collected the first time in Florida in 1946 at West Palm Beach. Two other collections have been made since 1946. The scale is not common in Florida and is not of economic importance.

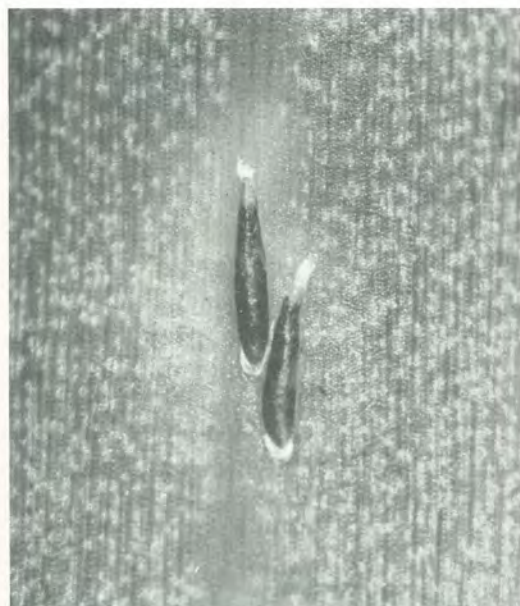


Fig. 193. *Lopholeucaspis cockerelli* (Grandpré and Charmoy), Cockerell scale (X13).

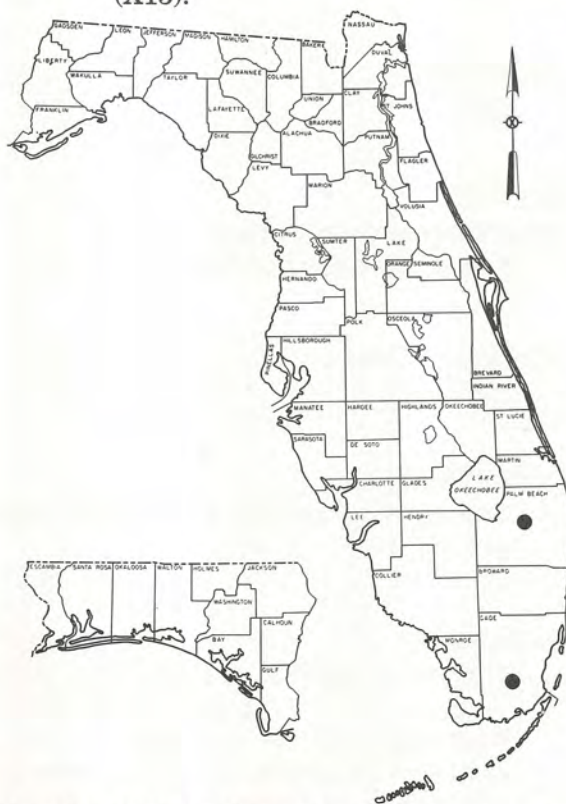


Fig. 194. Distribution of *Lopholeucaspis cockerelli* (Grandpré and Charmoy), Cockerell scale.

SCIENTIFIC NAME:

Melanaspis aliena (Newstead)
(mell-a-NASS-pis ALE-ee-EE-na)

PROPOSED COMMON NAME:

alien scale

DESCRIPTION OF ARMOR:**Female:**

Circular, flat, brittle, opaque, brown to black; 2-2.25 mm in diam. The ventral protective cover is well developed. Exuviae central; darker than secretory cover.

Male:**(Preadult)**

Elongate oval, brown; smaller than female.

HABITAT:

Leaf

HOSTS:

orchids

DISTRIBUTION:

Broward, Lee, and Monroe counties
(fig. 196)

REMARKS:

This scale is occasionally found on orchids in Florida but is not of economic importance.



Fig. 195. *Melanaspis aliena* (Newstead), alien scale (X25) on orchid.



Fig. 196. Distribution of *Melanaspis aliena* (Newstead), alien scale.

SCIENTIFIC NAME:

Melanaspis bromeliae (Leonardi)
(mell-a-NASS-pis bro-MEEL-ee-ee)

PROPOSED COMMON NAME:

ananas scale

DESCRIPTION OF ARMOR:

Female:

Irregularly circular, moderately convex, thick, brittle, brownish coating over a very dark brown armor; 1.25-2 mm in diam. Exuviae subcentral, not distinctly colored or marked. Ventral protective cover thick, much lighter in color.

Male:

(Preadult)

Similar to female, much smaller and more slender. Exuviae nearly terminal.

HABITAT:

Leaf and fruit

HOSTS:

pineapple (*Ananas* sp.)

DISTRIBUTION:

Broward, Dade, Manatee, Polk, and St. Lucie counties (fig. 198)

REMARKS:

Five microslide mounts of this scale are deposited in the FSCA; three are from pineapple (*Ananas* sp.) collected at Ft. Pierce, Florida in 1932. G. F. Ferris, in Vol. III, "Atlas of The Scale Insects of North America," 1941, considers this species a synonym of *Melanaspis smilacis* (Comstock). In correspondence of 22 June, 1961, the late Dr. Harold Morrison stated: "I have always thought I could recognize some differences between *Melanaspis bromeliae* on pineapple and *Melanaspis smilacis* on *Smilax*, and have used both names accordingly." This scale is of no economic importance in Florida.

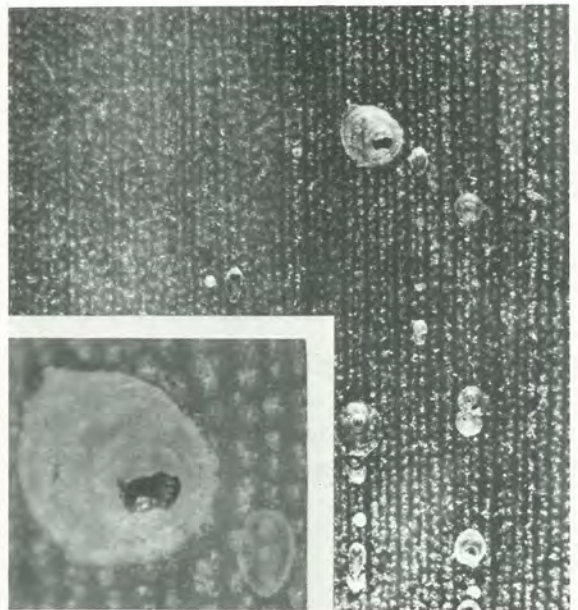


Fig. 197. *Melanaspis bromeliae* (Leonardi), ananas scale (X6). Inset (X15) on pineapple.



Fig. 198. Distribution of *Melanaspis bromeliae* (Leonardi), ananas scale.

SCIENTIFIC NAME:

Melanaspis coccolobae Ferris
(mell-a-NASS-pis cock-co-LOW-bee)

PROPOSED COMMON NAME:

seagrape scale

DESCRIPTION OF ARMOR:**Female:**

Circular, slightly to moderately convex, hard, brittle, nearly black; area around exuviae brownish; outer edges of the armor covered with a grayish, waxy coating; 0.75-1 mm in diam. Exuviae subcentral; light brown, a circular grayish band present. The ventral protective cover is thick, with the central area white.

Male:**(Preadult)**

Not observed

HABITAT:

Bark and leaf

HOSTS:

pigeon plum (*Coccoloba diversifolia* Jacq.)
and seagrape (*Coccoloba uvifera* L.)

DISTRIBUTION:

Broward, Dade, Hillsborough, Monroe, Palm Beach, and Polk counties (fig. 200)

REMARKS:

This scale is not of economic importance in Florida.



Fig. 199. *Melanaspis coccolobae* Ferris, sea-grape scale (X15).



Fig. 200. Distribution of *Melanaspis coccolobae* Ferris, sea-grape scale.

MELANASPIIS

110

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Melanaspis mimosae (Comstock)
(mell-a-NASS-pis mi-MOE-see)

COMMON NAME:

mimosa scale

DESCRIPTION OF ARMOR:

Female:

Circular or elongate, moderately convex, color usually agreeing well with the bark of its host; 1-2 mm in diam. Exuviae central; usually surrounded by a whitish gray concentric ring.

Male:

(Preadult)

Similar to the female, but smaller and more oval than circular. Exuviae near the front end.

HABITAT:

Bark

HOSTS:

Most frequently reported:
hog plum (*Spondias* sp.)

Additional Hosts:

See page 210

DISTRIBUTION:

Monroe County (fig. 201)

REMARKS:

It is not a serious pest in Florida and has been found only at Key West. The six microslide mounts on deposit in the FSCA were prepared from specimens collected on *Spondias purpurea* L. in 1920. A slide mount of the scale is needed to verify the additional hosts listed.



Fig. 201. Distribution of *Melanaspis mimosae* (Comstock), mimosa scale.

SCIENTIFIC NAME:

Melanaspis obscura (Comstock)
(mell-a-NASS-pis ob-SKEW-ra)

COMMON NAME:

obscure scale

DESCRIPTION OF ARMOR:

Female:

Approximately circular, slightly convex, hard, thick, brittle, dark gray, at times resembling the color of the bark; about 3 mm in diam. Exuviae subcentral; shining black; usually covered by gray secretion, which is surrounded by a whitish ring. Ventral protective cover present.

Male:

(Preadult)

Oval and smaller; otherwise similar to the female. Exuviae sublateral.

HABITAT:

Bark

HOSTS:

Most frequently reported:

oak (*Quercus* sp.)

Additional Hosts:

See page 211

DISTRIBUTION:

Alachua, Baker, Bay, Duval, Escambia, Highlands, Hillsborough, Jefferson, Lake, Levy, Manatee, Marion, Orange, Osceola, Palm Beach, Pinellas, Polk, St. Lucie, Santa Rosa, Sarasota, Seminole, Suwannee, and Taylor counties (fig. 203)

REMARKS:

A common scale on oaks in Florida. When the armors are removed, the thin ventral scale is white and very conspicuous against the gray color of the bark. The scale is sometimes confused with Putnam scale (*Diaspidiotus ancyclus* (Put.)) but can be distinguished from it by the exuviae color. The exuviae of Putnam scale is brick red. The scale is occasionally an economic pest to transplanted oaks. Wasp parasites usually keep this scale under control in Florida.

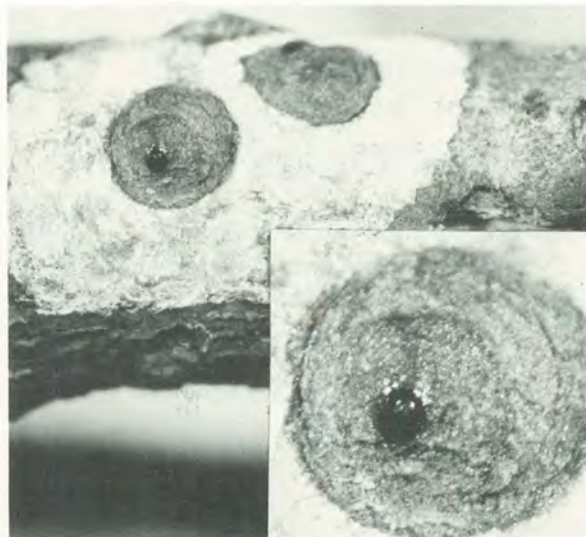


Fig. 202. *Melanaspis obscura* (Comstock), obscure scale (X6). Inset (X16) on oak.

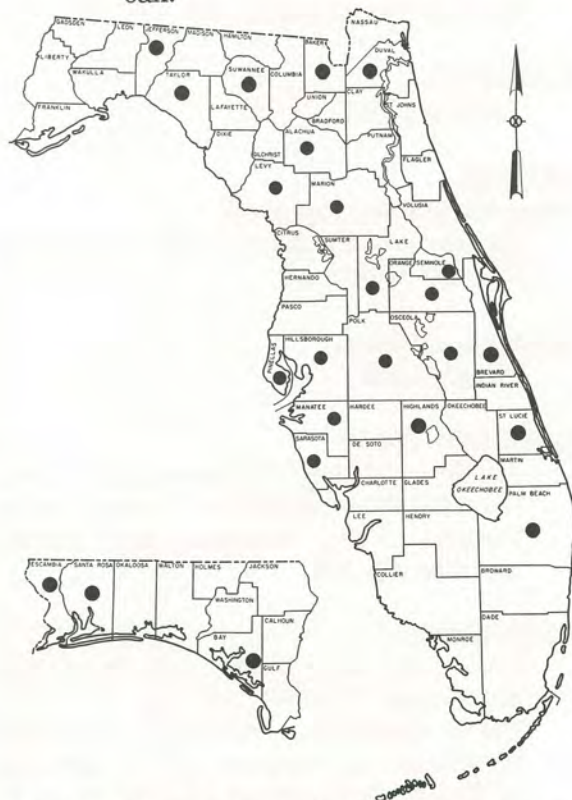


Fig. 203. Distribution of *Melanaspis obscura* (Comstock), obscure scale.

SCIENTIFIC NAME:

Melanaspis smilacis (Comstock)
(mell-a-NASS-pis SMY-la-siss)

PROPOSED COMMON NAME:

smilax scale

DESCRIPTION OF ARMOR:

Female:

Circular to oval, moderate to highly convex, thick, hard, dark brown to black or similar to the color of the bark; 1.25-2 mm long. Exuviae central to submarginal; color where undisturbed slightly darker and smoother than the remainder of the armor, black where disturbed. Ventral protective cover well developed.

Male:

(Preadult)

Much smaller, more slender than female. Exuviae near anterior end.

HABITAT:

Bark and leaf

HOSTS:

Most frequently reported:

horsebrier (*Smilax* sp.) and wax myrtle (*Myrica cerifera* L.)

Additional Hosts:

See page 211

DISTRIBUTION:

Alachua, Dixie, Hillsborough, Lake, Manatee, Marion, Monroe, Orange, Pasco, Pinellas, Polk, Sarasota, and Volusia counties (fig. 205)

REMARKS:

There are only a few records of this scale from Florida. The late Dr. G. F. Ferris considered *Melanaspis bromeliae* (Leonardi), as reported in "A Revision of The Scale-Insects of Florida" by G. B. Merrill, a synonym of this species. It is not an economic pest in Florida.



Fig. 204. *Melanaspis smilacis* (Comstock), smilax scale (X15).

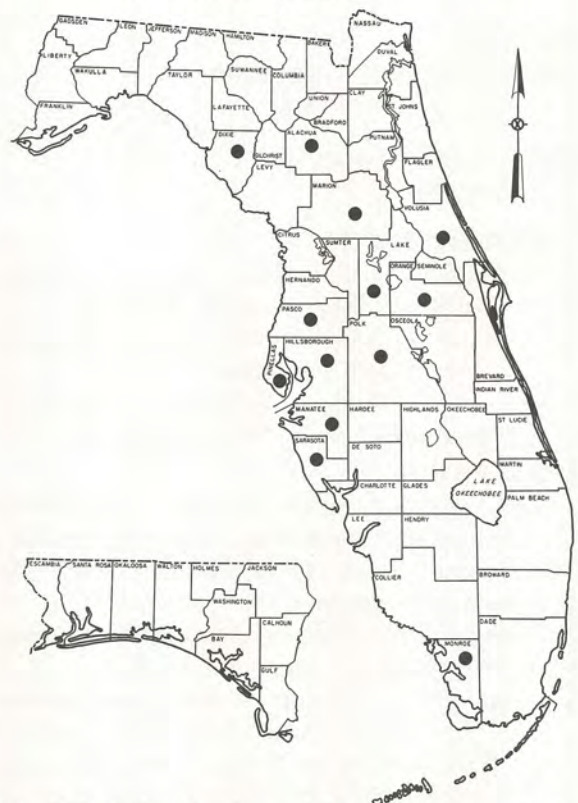


Fig. 205. Distribution of *Melanaspis smilacis* (Comstock), smilax scale.

SCIENTIFIC NAME:

Melanaspis tenebricosa (Comstock)
(mell-a-NASS-pis TEN-eb-ri-CO-sa)

COMMON NAME:

gloomy scale

DESCRIPTION OF ARMOR:**Female:**

Circular, highly convex, rough, thick, brittle, color similar to the bark or dark gray to black; 0.8-1 mm in diam. Exuviae central; surrounded by a light colored ring. Ventral protective cover well developed.

Male:**(Preadult)**

Rather oval, smaller, and concolorous with the female. Exuviae sublateral.

HABITAT:

Bark

HOSTS:**Most frequently reported:**

maple (*Acer* spp.), soapberry (*Sapindus* sp.), and grape (*Vitis* sp.)

Additional Hosts:

See page 211

DISTRIBUTION:

Alachua, Baker, Columbia, Duval, Escambia, Jefferson, Leon, Levy, Manatee, Marion, Palm Beach, Polk, St. Johns, St. Lucie, Santa Rosa, and Taylor counties (fig. 207)

REMARKS:

The armor of gloomy scale is similar in appearance to masked scale (*Mycetaspis personatus* (Comstock)). Natural enemies seem to keep this scale under control. It is not of economic importance in Florida.

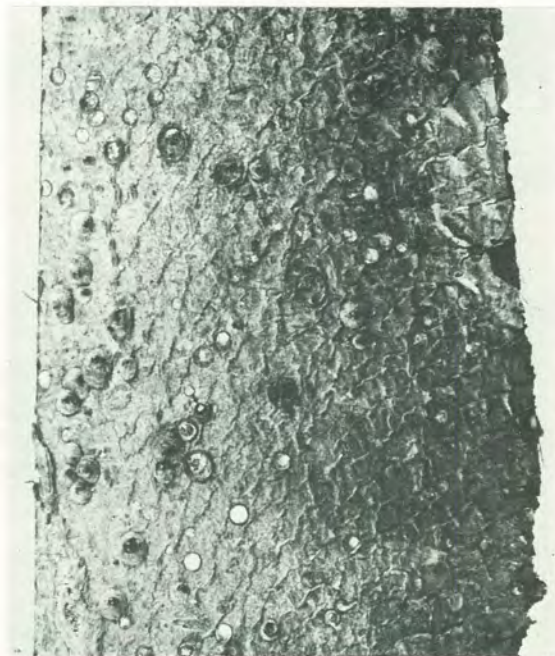


Fig. 206. *Melanaspis tenebricosa* (Comstock), gloomy scale (X4) (After Merrill).



Fig. 207. Distribution of *Melanaspis tenebricosa* (Comstock), gloomy scale.

MORGANELLA

114

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Morganella cueroensis (Cockerell)
(mor-gan-ELLA KWER-oh-EN-sis)

PROPOSED COMMON NAME:

Cuero scale

DESCRIPTION OF ARMOR:

Female:

Oval in shape, moderately to highly convex, thick, pliable, dirty white to grayish; 1-2.5 mm long. Exuviae subcentral to submarginal, brownish. Ventral protective cover well developed.

Male:

(Preadult)

Much smaller and more slender than female.

HABITAT:

Bark and leaf

HOSTS:

Most frequently reported:

bull bay (*Magnolia grandiflora* L.) and
wax myrtle (*Myrica cerifera* L.)

Additional Hosts:

See page 212

DISTRIBUTION:

Alachua, Brevard, Dade, Duval, Escambia, Hendry, Highland, Hillsborough, Jefferson, Lake, Manatee, Osceola, Polk, Putnam, St. Johns, Santa Rosa, Seminole, Taylor, and Volusia counties (fig. 209)

REMARKS:

This scale is not an economic pest in Florida.

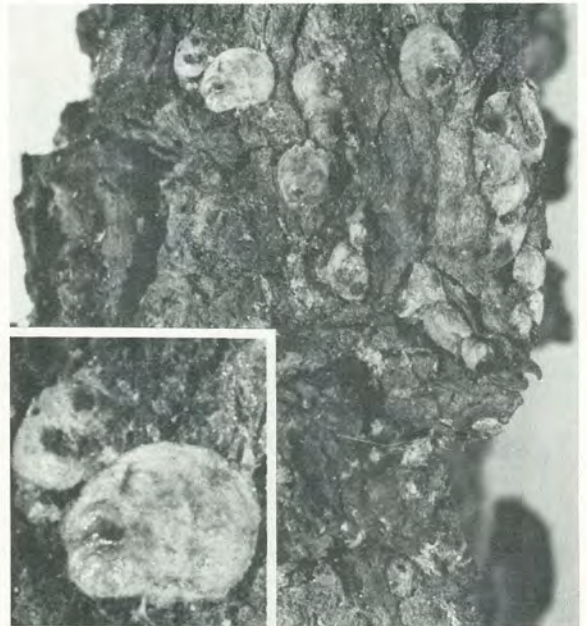


Fig. 208. *Morganella cueroensis* (Cockerell), Cuero scale (X5). Inset (X12).

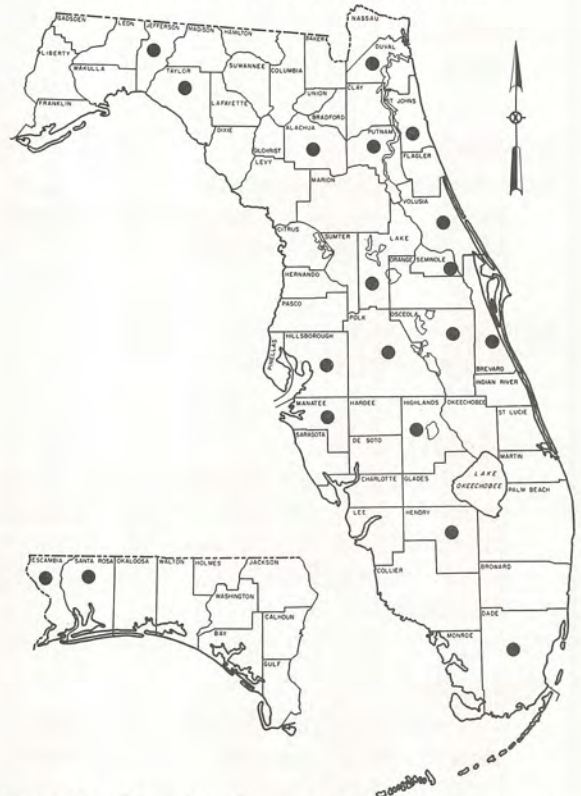


Fig. 209. Distribution of *Morganella cueroensis* (Cockerell), Cuero scale.

SCIENTIFIC NAME:

Mycetaspis defectopalus Ferris
(my-see-TASS-pis de-fec-toe-PAY-lus)

PROPOSED COMMON NAME:

defecto scale

DESCRIPTION OF ARMOR:**Female:**

Circular or oval, moderately to highly convex, thick, brittle, dark brown or grayish brown; 0.75-1 mm in diam. Exuviae subcentral, with a light brown central ring.



Fig. 210. *Mycetaspis defectopalus* Ferris, defecto scale (X15).

Male:**(Preadult)**

Similar to female but much smaller.

HABITAT:

Bark

HOSTS:

bay, mastic (*Sideroxylon* sp.), mahogany (*Swietenia mahogani* Jacq.), and tough bumelia (*Bumelia tenax* L.)

DISTRIBUTION:

Brevard, Dade, and Monroe counties (fig. 211)



Fig. 211. Distribution of *Mycetaspis defectopalus* Ferris, defecto scale.

REMARKS:

This is not an economic pest in Florida.

MYCETASPIS

116

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Mycetaspis personata (Comstock)
(my-see-TASS-pis per-so-NAY-ta)

COMMON NAME:

masked scale

DESCRIPTION OF ARMOR:

Female:

Circular, thimble-shaped, brittle, dark gray to black; 0.5-1 mm in diam. Exuviae central; second exuviae delineated from the remainder of the armor by white concentric rings. Ventral protective cover well developed.

Male:

(Preadult)

Oval, flat, grayish

HABITAT:

Bark, leaf, and fruit

HOSTS:

Eugenia sp.

Additional Hosts:

See page 212

DISTRIBUTION:

Hillsborough and Monroe counties
(fig. 213)

REMARKS:

This scale is not common in Florida and is of no known economic importance.



Fig. 212. *Mycetaspis personata* (Comstock), masked scale (X12). Straight arrow points to ♂ ; curved arrow points to ♀ .

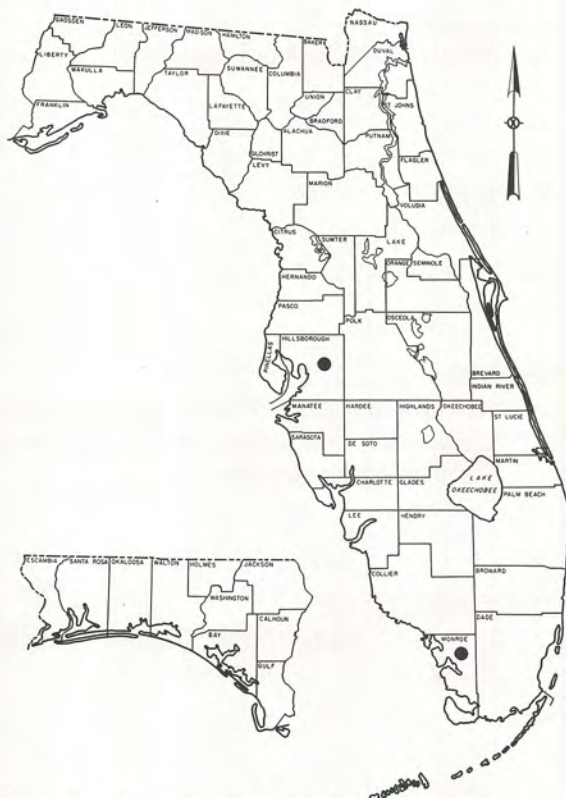


Fig. 213. Distribution of *Mycetaspis personata* (Comstock), masked scale.

SCIENTIFIC NAME:

Nelaspis crookiae Ferris
(ne-LASS-pis CROOK-ee-ee)

PROPOSED COMMON NAME:

crookea scale

DESCRIPTION OF ARMOR:**Female:**

Unknown (See REMARKS)

Male:**(Preadult)**

Unknown (See REMARKS)

HABITAT:

Unknown

HOSTS:

Hypericum microsepalum (Torr. & Gray)
Gray

DISTRIBUTION:

Taylor County (fig. 214)

REMARKS:

Specimens were collected at Secotan, Florida (3 miles north of Perry on U.S. 27), March 3, 1946. The species was described by the late G. F. Ferris from microslide mounts sent to him by G. B. Merrill. The armor was not described. A description of this species may be found in "Microentomology," Vol. 19, Part 2, 15 July, 1954, p. 42-43. Ferris considered the species an introduction from South Africa. Type specimens are deposited in the Stanford University Collection, Stanford University, California. The scale is of no known economic importance in Florida.



Fig. 214. Distribution of *Nelaspis crookiae* Ferris, crookea scale.

NEOPINNASPIS

118

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Neopinnaspis harperi McKenzie
(neo-pin-NASS-pis HAR-per-eye)

COMMON NAME:

Harper scale

DESCRIPTION OF ARMOR:

Female:

Elongate, slender, moderately convex, white, but usually discolored grayish or brownish by weathering; 0.75-2 mm in diam. Exuviae terminal, copper-colored when exposed.

Male:

(Preadult)

Not observed

HABITAT:

Bark

HOSTS:

holly (*Ilex* spp.)

Additional Hosts:

See page 212

DISTRIBUTION:

Alachua, Baker, Duval, Highlands, Jefferson, Lake, Manatee, Marion, Martin, Orange, Polk, Putnam, and Volusia counties (fig. 216)

REMARKS:

Harper scale is usually found in cracks in the bark. The first Florida record for this scale was in 1946 at Gainesville. It is not known to be of economic importance in Florida.



Fig. 215. *Neopinnaspis harperi* McKenzie, Harper scale (X10). Inset (X20).



Fig. 216. Distribution of *Neopinnaspis harperi* McKenzie, Harper scale.

SCIENTIFIC NAME:

Nuculaspis californica (Coleman)
(new-kew-LASS-pis cal-ee-FOR-nick-a)

COMMON NAME:

black pineleaf scale

DESCRIPTION OF ARMOR:

Female:

Elongate oval, the ends rounded; dark gray, with a brownish or purplish tinge, margin lighter colored; 2-3 mm long and 1 mm wide. Exuviae central, covered with secretion.

Male:

(Preadult)

Much smaller than the female and about the same color.

HABITAT:

Needle

HOSTS:

pine (*Pinus* spp.)

DISTRIBUTION:

Dade, Jackson, Martin, Monroe, Pinellas, Polk, Volusia, and Wakulla counties (fig. 218)

REMARKS:

This scale has never been a serious pest of pines in Florida. The armor is very similar to round conifer scale (*Acutaspis morrisonorum* Kosztarab).

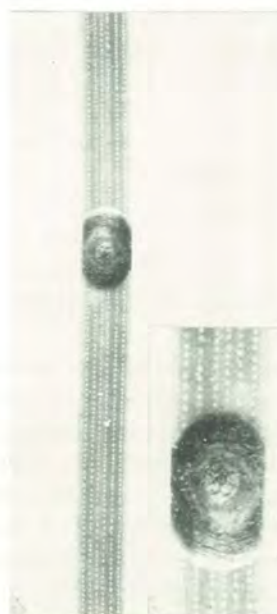


Fig. 217. *Nuculaspis californica* (Coleman), black pineleaf scale (X5). Inset (X10) on pine.



Fig. 218. Distribution of *Nuculaspis californica* (Coleman), black pineleaf scale.

SCIENTIFIC NAME:

Odonaspis penicillata Green
(O-doe-NASS-pis PEN-ee-sill-LAY-ta)

COMMON NAME:

penicillate scale

DESCRIPTION OF ARMOR:

Female:

Cone-shaped, straight or curved, broadest across second exuviae; convex in front and flattened toward the smaller end; light brown or chamois-colored, margins lighter; usually covered with a powdery secretion; 1.5-2 mm long. Ventral protective cover well developed and firmly attached to armor.

Male:

(Preadult)

Similar to female but much smaller.

HABITAT:

Bark

HOSTS:

bamboo (*Bambusa* sp.)

DISTRIBUTION:

Alachua, Baker, Broward, Dade, Duval, Gilchrist, Hillsborough, Indian River, Lake, Monroe, Orange, Palm Beach, Pinellas, Polk, Putnam, St. Lucie, Sarasota, Seminole, and Volusia counties (fig. 220)

REMARKS:

The ventral protective cover is not firmly attached to the host. The scale is usually found at or near the nodes. It is not known to be of economic importance in Florida.



Fig. 219. *Odonaspis penicillata* Green, penicillate scale (X3). Inset (X8).



Fig. 220. Distribution of *Odonaspis penicillata* Green, penicillate scale.

SCIENTIFIC NAME:

Odonaspis ruthae Kotinsky
(O-doe-NASS-pis RUTH-ee)

COMMON NAME:

Bermuda grass scale

DESCRIPTION OF ARMOR:**Female:**

Cone-shaped or oval, moderately convex, white; 1-1.75 mm in diam. Exuviae approximately $\frac{1}{3}$ the length of the scale and located at or near the end; straw-colored and either partly or completely covered with a whitish secretion. Ventral protective cover white.

Male:**(Preadult)**

Approximately $\frac{1}{2}$ the size of the female and concolorous. Exuviae sublateral.

HABITAT:

Leaf and root

HOSTS:**Most frequently reported:**

Bermuda grass (*Cynodon dactylon* L.)

Additional Hosts:

See page 213

DISTRIBUTION:

Alachua, Baker, Bay, Brevard, Broward, Charlotte, Clay, Columbia, Dade, Highlands, Hillsborough, Indian River, Lafayette, Lake, Lee, Leon, Manatee, Marion, Monroe, Orange, Palm Beach, Pinellas, Polk, St. Johns, St. Lucie, Seminole, and Volusia counties (fig. 222)

REMARKS:

This is an economic pest of lawns and golf courses in Florida. The scale is usually found in the leaf axis at the surface of the ground.

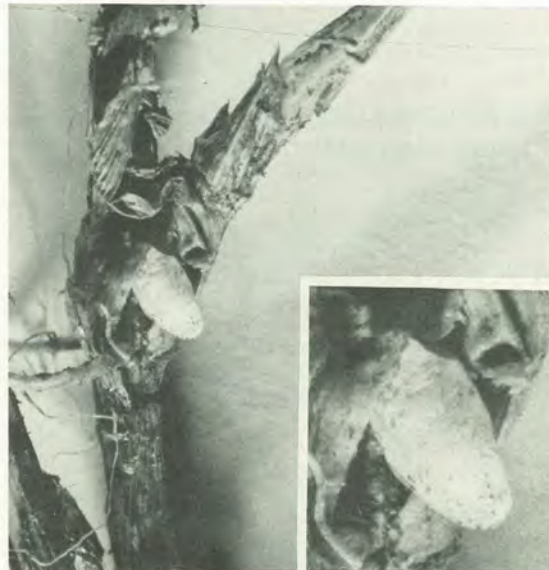


Fig. 221. *Odonaspis ruthae* Kotinsky, Bermuda grass scale (X10). Inset (X20).



Fig. 222. Distribution of *Odonaspis ruthae* Kotinsky, Bermuda grass scale.

ODONASPIS

122

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Odonaspis saccharicaulis (Zehntner)
(O-doe-NASS-pis SAC-kar-ee-KAW-lis)

PROPOSED COMMON NAME:

para grass scale

DESCRIPTION OF ARMOR:

Female:

Elongate oval, slightly convex, white;
1.25-2.25 mm in diam. Exuviae apical;
yellow or light straw-colored.

Male:

(Preadult)

Much smaller than female and con-
colorous. Exuviae terminal.

HABITAT:

Stem

HOSTS:

napier grass (*Pennisetum purpureum*
Schumach) and para grass (*Panicum*
purpurascens Raddi)

DISTRIBUTION:

Dade, Indian River, Monroe, Okeechobee,
Palm Beach, and St. Lucie counties
(fig. 223)

REMARKS:

This scale may be confused with Bermuda
grass scale (*Odonaspis ruthae* Kotinsky)
when on para grass. It is not known to be
of economic importance in Florida.

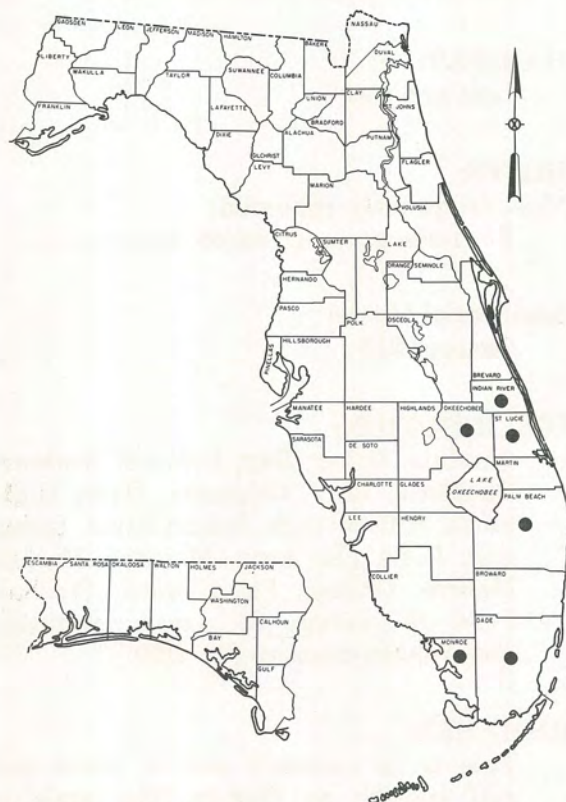


Fig. 223. Distribution of *Odonaspis saccharicaulis* (Zehntner), para grass scale.

SCIENTIFIC NAME:

Palinaspis quohogiformis (Merrill)
(pal-ee-NASS-pis quo-hog-ee-FOR-mis)

COMMON NAME:

quohog-shaped scale

DESCRIPTION OF ARMOR:**Female:**

Clam-shaped, very similar to that of the round clam (*Venus mercenaria*) commonly called quohog; brownish, upper edges generally being somewhat lighter, the surface sprinkled with apparently very fine sand-like material; 1-1.4 mm in diam and nearly $\frac{1}{2}$ as thick. The dorsal (upper) and ventral (lower) armors are placed more or less laterally, the ventral being unusually developed and forming with the dorsal a bivalve-like arrangement. The union of dorsal and ventral armor very weak, with the outer edges sometimes slightly apart. Exuviae subcentral and ringed with a whitish secretion. The exuviae also generally serve as the dorsal contact point with the bark while that portion of the ventral protective cover near the mouth-parts serves as the contact point with the bud. The scale attaches at or very near the junction of a bud and branch.

Male:**(Preadult)**

Not observed.

HABITAT:

Bud axils

HOSTS:**Most frequently reported:**

silk oak (*Grevillea* sp.), mountain ebony (*Bauhinia* sp.), and sambac jasmine (*Jasminum sambac* Ait.)

Additional Hosts:

See page 213

DISTRIBUTION:

Brevard, Dade, DeSoto, Hendry, Highlands, Hillsborough, Lee, Manatee, Orange, Palm Beach, Pinellas, Polk, and Volusia counties (fig. 225)

REMARKS:

The scale is not known to be of economic importance in Florida.



Fig. 224. *Palinaspis quohogiformis* (Merrill), quohog-shaped scale (X10). Inset (X15).

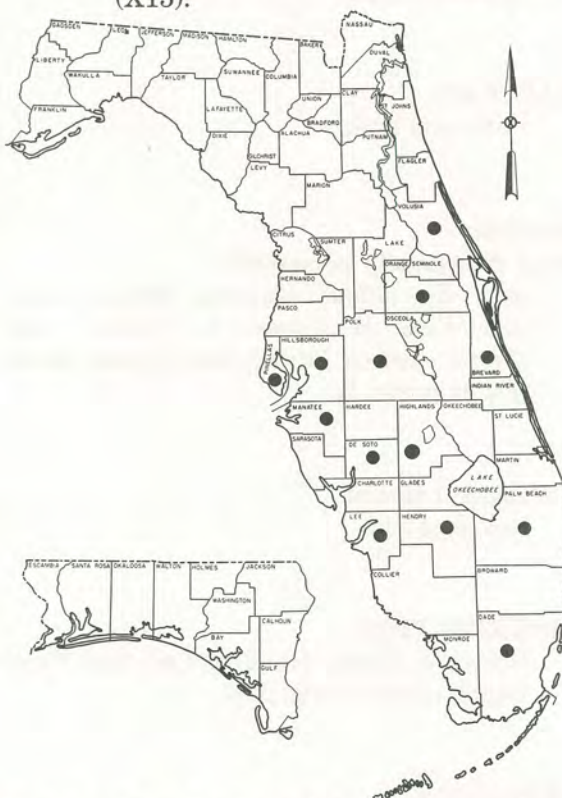


Fig. 225. Distribution of *Palinaspis quohogiformis* (Merrill), quohog-shaped scale.

PARLATOREOPSIS

124

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Parlatoreopsis chinensis (Marlatt)
(par-la-TOE-ree-OPP-sis chy-NEN-sis)

COMMON NAME:

Chinese obscure scale

DESCRIPTION OF ARMOR:

Female:

Shape variable, elliptical to oval, flat or slightly convex, very thin, grayish to whitish; 0.5-1 mm long. Exuviae large, marginal or submarginal; light brown to greenish.

Male:

(Preadult)

Not observed.

HABITAT:

Bark and fruit

HOSTS:

Most frequently reported:

lofty fig (*Ficus altissima* Blume), banyan (*Ficus bengalensis* L.), rubber plant (*Ficus elastica* Roxb.), and Indian laurel (*Ficus retusa* L.)

Additional Hosts:

See page 214

DISTRIBUTION:

Broward, Dade, Hendry, Lee, and Palm Beach counties (fig. 226)

REMARKS:

The scale is found between the corky layers of the bark. It is not an economic pest in Florida.



Fig. 226. Distribution of *Parlatoreopsis chinensis* (Marlatt), Chinese obscure scale.

SCIENTIFIC NAME:

Parlatoria camelliae Comstock
(par-la-TOE-ree-ah ka-MELL-ee-ee)

COMMON NAME:

camellia parlatoria scale

DESCRIPTION OF ARMOR:**Female:**

Elongate oval, slightly convex, whitish or grayish; 1-2 mm long. Exuviae marginal, $\frac{1}{3}$ the length of armor.

Male:**(Preadult)**

Elongate, sides parallel; about 1 mm long. Exuviae terminal; yellowish.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

Camellia spp.

Additional Hosts:

See page 214

DISTRIBUTION:

Baker, Duval, Jefferson, Leon, Manatee, Marion, Polk, and Santa Rosa counties (fig. 228)

REMARKS:

This is not a common scale in Florida and is not known to be of economic importance. A prepared microslide mount is required for a positive identification since chaff scale (*Parlatoria pergandii* Comstock) and proteus scale (*Parlatoria proteus* (Curtis)) also occur on camellia.



Fig. 227. *Parlatoria camelliae* Comstock, camellia parlatoria scale (X15) (After Bur. Ent. & Plant Quarantine, USDA).

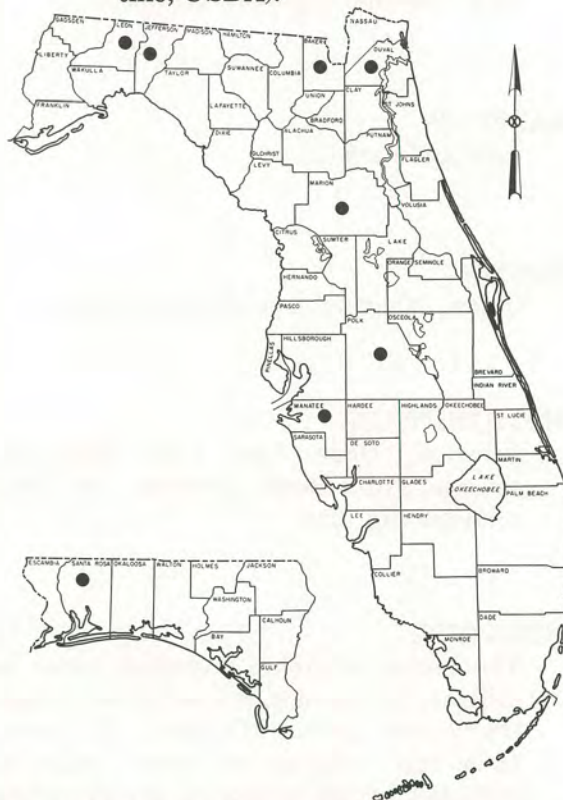


Fig. 228. Distribution of *Parlatoria camelliae* Comstock, camellia parlatoria scale.

SCIENTIFIC NAME:

Parlatoria crotonis Douglas
(par-la-TOE-ree-ah kro-TONE-iss)

COMMON NAME:

croton parlatoria scale

DESCRIPTION OF ARMOR:

Female:

Elongate oval, flat, yellowish; 1.5-2 mm long. Exuviae large, marginal, greenish or yellowish with greenish blob; about $\frac{1}{3}$ length of armor.

Male:

(Preadult)

Elongate, sides parallel; about 1 mm long. Exuviae terminal; greenish.

HABITAT:

Leaf and bark

HOSTS:

croton (*Codiaeum variegatum* Blume)

DISTRIBUTION:

Broward, Dade, Lee, Leon, Manatee, Orange, Palm Beach, Pinellas, and Polk counties (fig. 230)

REMARKS:

The armor of croton parlatoria scale is difficult to distinguish from proteus scale (*Parlatoria proteus* (Curtis)). All *Parlatoria* spp. collected on croton must be mounted before a specific identification is made. The scale is not an economic pest in Florida.



Fig. 229. *Parlatoria crotonis* Douglas, croton parlatoria scale (X14) on croton.

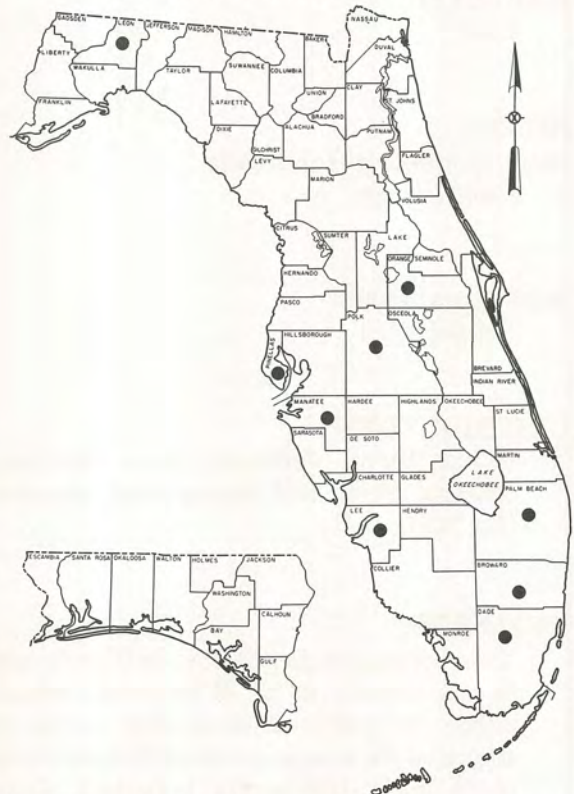


Fig. 230. Distribution of *Parlatoria crotonis* Douglas, croton parlatoria scale.

SCIENTIFIC NAME:

Parlatoria pergandii Comstock
(par-la-TOE-ree-ah per-GAN-dee-eye)

COMMON NAME:

chaff scale

DESCRIPTION OF ARMOR:**Female:**

Oval in shape, from irregularly rounded to irregularly oblong, thin, dirty brown to brownish gray, faintly transparent; 1-1.75 mm long. Exuviae large, marginal; yellowish or orange-brown.

Male:**(Preadult)**

Similar but smaller than the female, brownish or purplish brown. Exuviae terminal, straw-colored.

HABITAT:

Bark, leaf, and fruit

HOSTS:**Most frequently reported:**

Citrus spp., *Jasminum* spp., and viburnum (*Viburnum odoratissimum* Ker)

Additional Hosts:

See page 215

DISTRIBUTION:

General in Florida (fig. 232)

REMARKS:

This scale is sometimes difficult to distinguish from other *Parlatoria* spp. found in Florida. It is an economic pest of citrus in Florida.

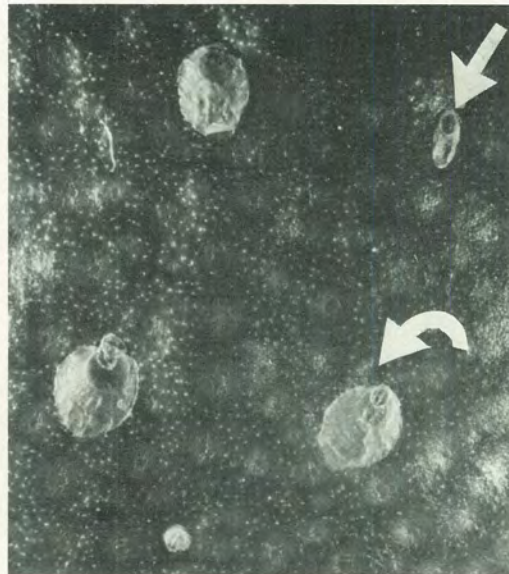


Fig. 231. *Parlatoria pergandii* Comstock, chaff scale (X8). Straight arrow points to ♂; curved arrow points to ♀ on orange.



Fig. 232. Distribution of *Parlatoria pergandii* Comstock, chaff scale.

PARLATORIA

128

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Parlatoria proteus (Curtis)
(par-la-TOE-ree-ah PRO-tee-us)

COMMON NAME:

proteus scale

DESCRIPTION OF ARMOR:

Female:

Elongate oval, convex, transparent, greenish or grayish yellow, margins lighter; 1-2 mm long. Exuviae marginal, yellowish or brownish; second exuviae large, often about $\frac{1}{3}$ the length of the scale.

Male:

(Preadult)

Elongate, sides parallel; about 1 mm long. Exuviae terminal; yellowish.

HABITAT:

Leaf and bark

HOSTS:

Most frequently reported:

queen sago palm (*Cycas circinalis* L.)
sago-palm (*Cycas revoluta* Thunb.), orchids and greenhouse plants.

Additional Hosts:

See page 216

DISTRIBUTION:

General in Florida (fig. 234)

REMARKS:

This scale is a pest of orchids in Florida.

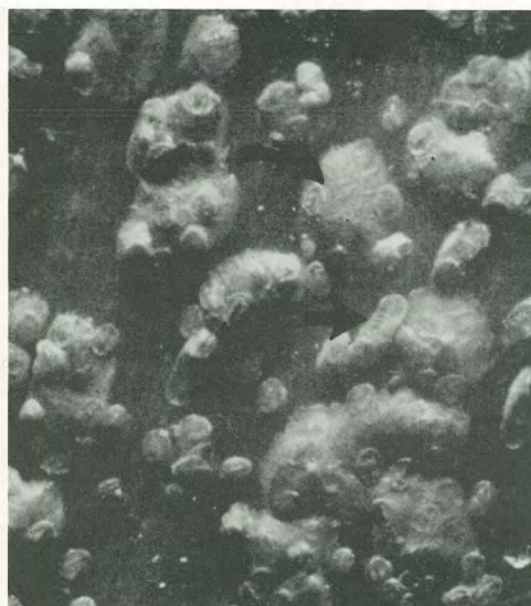


Fig. 233. *Parlatoria proteus* (Curtis), proteus scale (X12). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 234. Distribution of *Parlatoria proteus* (Curtis), proteus scale.

SCIENTIFIC NAME:

Pinnaspis aspidistrae (Signoret)
(pin-NASS-pis ASS-pi-DIS-tree)

COMMON NAME:

fern scale

DESCRIPTION OF ARMOR:**Female:**

Oystershell- or pear-shaped, flat, pale brown, semitransparent; 1.5-2.5 mm long. Exuviae terminal; slightly lighter in color.

Male:**(Preadult)**

Sides approximately parallel, narrow, white, tricarinate; about 1 mm long. Exuviae terminal; about $\frac{1}{4}$ the length of the scale; pale yellow.

HABITAT:

Leaf, bark, and fruit

HOSTS:**Most frequently reported:**

aspidistra (*Aspidistra elatior* Blume),
ferns, and lilyturf (*Ophiopogon jaburan* Lodd.)

Additional Hosts:

See page 219

DISTRIBUTION:

General in Florida (fig. 236)

REMARKS:

This scale is often a serious pest on ferns and foliage plants in Florida.

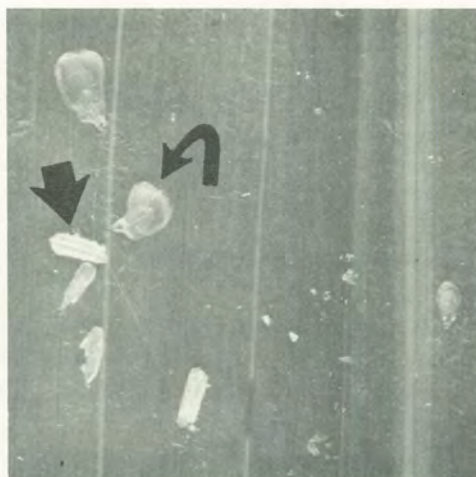


Fig. 235. *Pinnaspis aspidistrae* (Signoret), fern scale (X8). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 236. Distribution of *Pinnaspis aspidistrae* (Signoret), fern scale.

SCIENTIFIC NAME:

Pinaspis buxi (Bouché)
(pin-NASS-pis BUX-eye)

PROPOSED COMMON NAME:

screwpine scale

DESCRIPTION OF ARMOR:**Female:**

Nearly pear-shaped, slightly convex, thin, semitransparent, light or dark reddish brown or grayish brown; 1-1.5 mm long. Exuviae terminal; yellow.

Male:**(Preadult)**

Not observed.

HABITAT:

Leaf

HOSTS:

screwpine (*Pandanus* sp.), *Spathyphyllum* sp., and *Vriesea* 'Poelmannii.'

DISTRIBUTION:

Broward, Dade, Duval, Hillsborough, and Palm Beach counties (fig. 237)

REMARKS:

This scale is of no known economic importance in Florida; however, importations of infested foliage plants may result in this scale becoming an economic pest on greenhouse and aquatic plants in Florida.

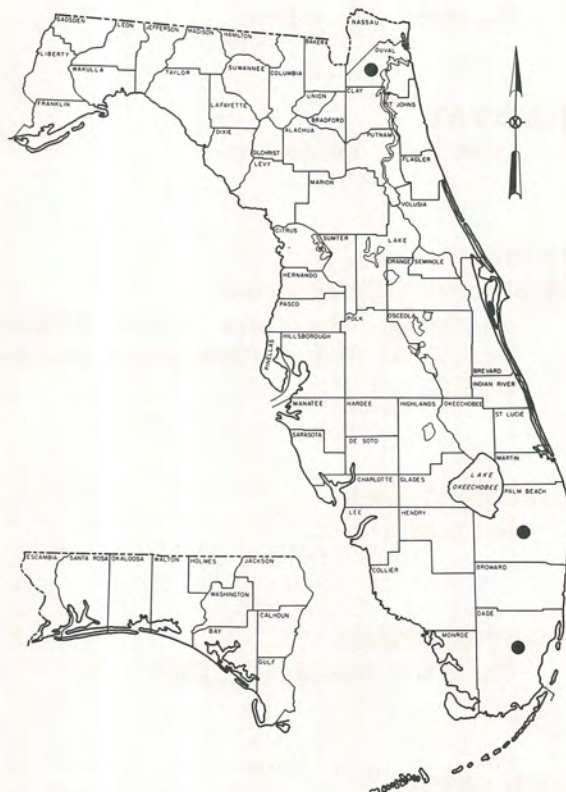


Fig. 237. Distribution of *Pinaspis buxi* (Bouché), screwpine scale.

SCIENTIFIC NAME:

Pinnaspis caricis Ferris
(pin-NASS-pis CAY-ri-siss)

PROPOSED COMMON NAME:

liriope scale

DESCRIPTION OF ARMOR:**Female:**

Elongate, oystershell-shaped, flat, pale brown, and 1.5-2 mm long. Exuviae terminal.

Male:**(Preadult)**

Not observed.

HABITAT:

Leaf

HOSTS:

Liriope spp.

DISTRIBUTION:

Alachua, Baker, Broward, Citrus, Gadsden, Hillsborough, Orange, and Polk counties (fig. 238)

REMARKS:

Economic infestations of this species have occurred in Florida on *Liriope* sp. The scale armor is almost identical to fern scale (*Pinnaspis aspidistrae* (Sign.)).

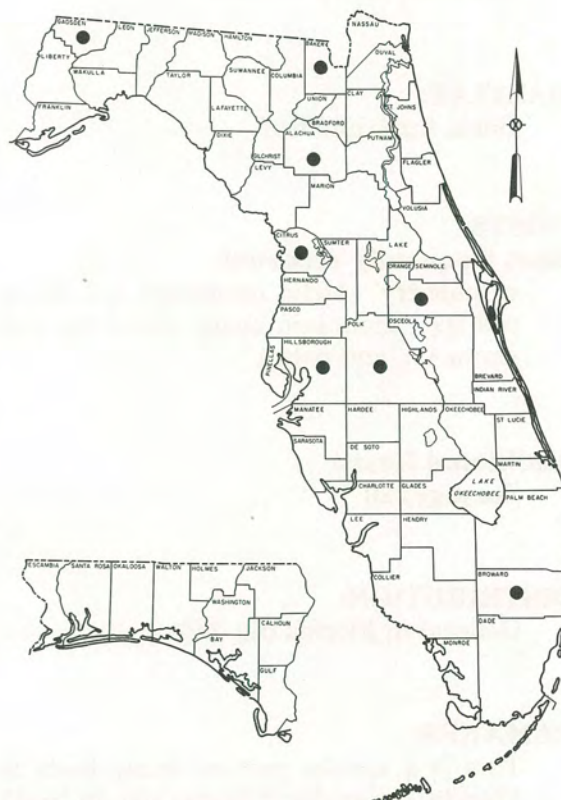


Fig. 238. Distribution of *Pinnaspis caricis* Ferris, liriope scale.

SCIENTIFIC NAME:

Pinnaspis strachani (Cooley)
(pin-NASS-pis STRAY-can-eye)

COMMON NAME:

lesser snow scale

DESCRIPTION OF ARMOR:**Female:**

Irregularly pear- or oystershell-shaped, flat, tough, white or dirty white, semi-transparent; 1.5-2.5 mm long. Exuviae terminal; yellowish brown.

Male:**(Preadult)**

Elongate, sides nearly parallel, white, tricarinate; about 1 mm long. Exuviae terminal; tawny in color.

HABITAT:

Bark, fruit, and leaf

HOSTS:**Most frequently reported:**

chinaberry (*Melia azedarach* L.), *Hibiscus* spp., mountain ebony (*Bauhinia purpurea* L.), and palms

Additional Hosts:

See page 220

DISTRIBUTION:

General in Florida (fig. 240)

REMARKS:

This is a serious pest on many hosts in Florida, especially *Hibiscus* spp. in South Florida. It is sometimes highly parasitized by a small wasp.

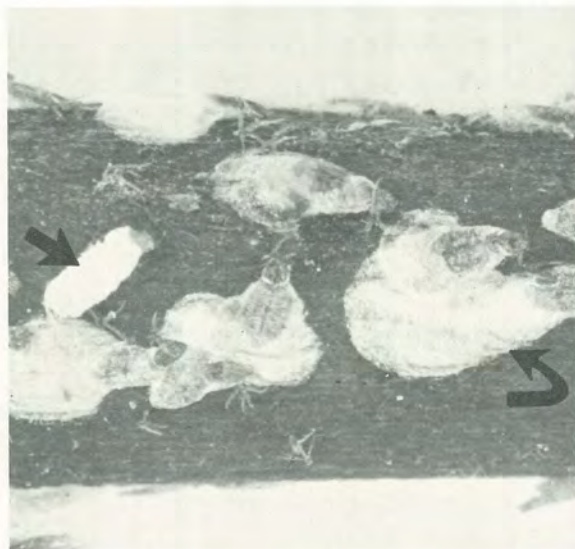


Fig. 239. *Pinnaspis strachani* (Cooley), lesser snow scale (X15) (After Merrill). Straight arrow points to ♂; curved arrow points to ♀.



Fig. 240. Distribution of *Pinnaspis strachani* (Cooley), lesser snow scale.

SCIENTIFIC NAME:

Praecocaspis diversa Ferris
(prey-co-KASS-pis di-VER-sa)

PROPOSED COMMON NAME:

diverse scale

DESCRIPTION OF ARMOR:

Female:

Circular mass of white threads; about 0.75 mm in diam. Exuviae marginal; pale light yellow.

Male:

(Preadult)

Similar to female but smaller.

HABITAT:

Leaf

HOSTS:

Cuba colubrina (*Colubrina cubensis* Jacq.)
and lantana (*Lantana involucrata* L.)

DISTRIBUTION:

Dade and Monroe counties (fig. 242)

REMARKS:

This scale is not collected often in Florida and is not considered an economic pest. It is apparently limited in distribution to South Florida.



Fig. 241. *Praecocaspis diversa* Ferris, diverse scale (X6). Inset (X16) on *Cuba colubrina*.

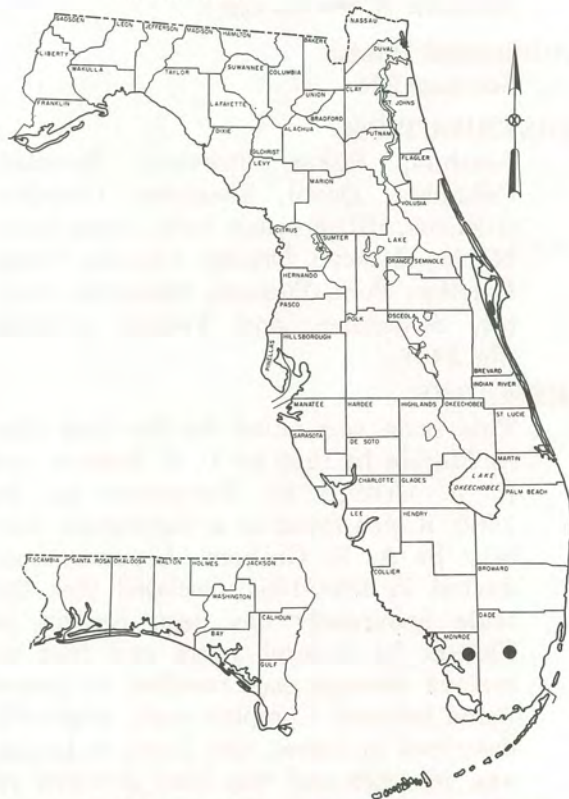


Fig. 242. Distribution of *Praecocaspis diversa* Ferris, diverse scale.

PSEUDAONIDIA

134

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Pseudaonidia duplex (Cockerell)
(SOO-day-oh-NID-ee-ah DEW-plex)

COMMON NAME:

camphor scale

DESCRIPTION OF ARMOR:

Female:

Circular, convex, thick, brownish with a grayish cast, opaque; 2.5-3 mm in diam. Exuviae submarginal; bronze in color.

Male:

(Preadult)

Elongate oval, flat, thin, brown with a purplish tinge. Exuviae marginal or submarginal.

HABITAT:

Bark and leaf

HOSTS:

Most frequently reported:
camellia (*Camellia* spp.)

Additional Hosts:

See page 224

DISTRIBUTION:

Alachua, Baker, Brevard, Broward, Columbia, Duval, Escambia, Gadsden, Gilchrist, Hillsborough, Lake, Leon, Levy, Marion, Nassau, Orange, Osceola, Pasco, Pinellas, Polk, Putnam, Seminole, Sumter, Suwannee, and Volusia counties (fig. 244)

REMARKS

This scale was found for the first time in Florida in 1958 by C. R. Roberts and R. J. Griffith on *Tetrapanax* sp.. In 1960, it was found in a Gainesville nursery by A. E. Graham. A survey conducted in 1960-1961 disclosed that the scale apparently has been present in Florida for several years and that no serious damage has resulted to plants found infested. Camphor scale, originally described in Japan, was found in Louisiana in 1920 and has been detected on 175 host plants. The scale is not a serious pest in Florida.



Fig. 243. *Pseudaonidia duplex* (Cockerell), camphor scale (X8). Straight arrow points to ♂; curved arrow points to ♀ on camellia.



Fig. 244. Distribution of *Pseudaonidia duplex* (Cockerell), camphor scale.

SCIENTIFIC NAME:

Pseudaonidia paeoniae (Cockerell)
(SOO-day-oh-NID-ee-ah pee-OH-nee-ee)

COMMON NAME:

peony scale

DESCRIPTION OF ARMOR:**Female:**

Circular or oval-shaped, moderately to very convex, brown, skin very tough and pliable; 3-4 mm in diam. Flakes of the bark extend over the covering and give it a grayish cast. Exuviae subcentral to submarginal; orange-yellow.

Male:**(Preadult)**

Similar to female, more slender; about 1 mm long. Exuviae submarginal.

HABITAT:

Bark

HOSTS:

azalea (*Rhododendron* spp.) and *Camellia* spp.

DISTRIBUTION:

Alachua, Baker, Citrus, Duval, Escambia, Hamilton, Hernando, Hillsborough, Jefferson, Leon, Manatee, Marion, Nassau, Orange, Polk, Putnam, Santa Rosa, Sarasota, Seminole, Suwannee and Taylor counties (fig. 246)

REMARKS:

This is a pest of azalea and camellia in Florida. Severe infestations kill twigs and branches. It is sometimes parasitized by a small wasp. The scale may be confused with camphor scale (*Pseudaonidia duplex* (Ckll.)), camellia mining scale (*Duplaspidotus claviger* (Ckll.)), and tessellate scale (*Duplaspidotus tessatus* (Grandpre and Charmoy)).



Fig. 245. *Pseudaonidia paeoniae* (Cockerell), peony scale (X12) (After Merrill).



Fig. 246. Distribution of *Pseudaonidia paeoniae* (Cockerell), peony scale.

SCIENTIFIC NAME:

Pseudaulacaspis cockerelli (Cooley)
(SOO-daw-la-KASS-pis
COCK-urr-RELL-eye)

COMMON NAME:

false oleander scale

DESCRIPTION OF ARMOR:**Female:**

Pear-shaped, slightly convex, thin, shiny white; 2-3 mm long. Exuviae terminal; yellowish brown.

Male:**(Preadult)**

Elongate, white, feebly tricarinate; about 1 mm long. Exuviae terminal with a faint yellowish tinge.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

bull bay (*Magnolia grandiflora* L.) and
bischofia (*Bischofia javanica* Blume)

Additional Hosts:

See page 226

DISTRIBUTION:

General in Florida (fig. 248)

REMARKS:

This scale was formerly referred to as magnolia white scale (*Phenascaspis natalensis* Cockerell); also as oleander scale (*Phenacaspis cockerelli* (Cooley)). This is the most serious economic pest of ornamentals in Florida.



Fig. 247. *Pseudaulacaspis cockerelli* (Cooley) false oleander scale (X7) (After Merrill). Straight arrow points to ♂; curved arrow points to ♀ on magnolia.

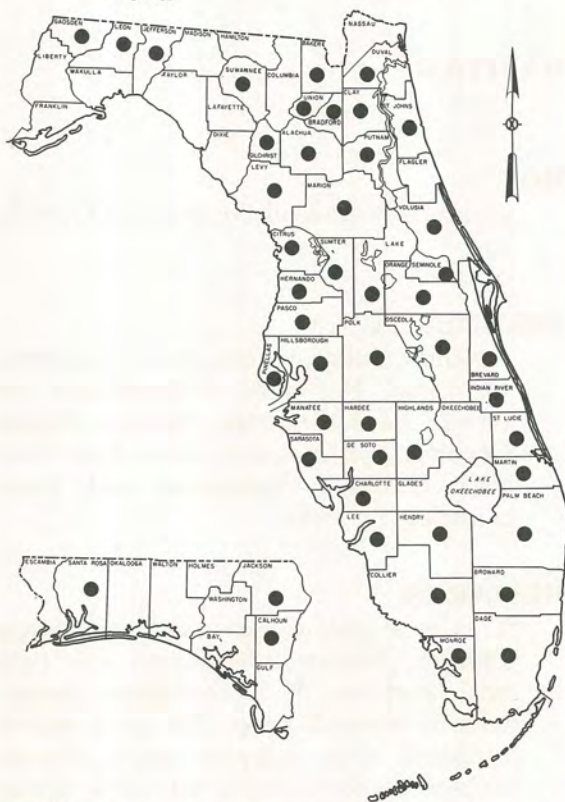


Fig. 248. Distribution of *Pseudaulacaspis cockerelli* (Cooley), false oleander scale.

SCIENTIFIC NAME:

Pseudaulacaspis major (Cockerell)
(SOO-daw-la-KASS-pis MAY-jor)

PROPOSED COMMON NAME:

lychee bark scale

DESCRIPTION OF ARMOR:**Female:**

Generally oval in shape, irregular when crowded, moderately convex, thick, white, opaque; 1.5-2.5 mm long. Exuviae terminal or sub-terminal; light brown.

Male:**(Preadult)**

Not observed.

HABITAT:

Bark

HOSTS:**Most frequently reported:**

governors-plum (*Flacourtia indica* Merr.)
and lychee (*Litchi chinensis* Sonner)

Additional Hosts:

See page 227

DISTRIBUTION:

Brevard, Broward, Dade, Hillsborough, Lake, Lee, Manatee, Martin, Palm Beach, Pinellas, Polk, Sarasota, and St. Lucie counties (fig. 250)

REMARKS:

This scale is occasionally a pest of lychee in Florida.



Fig. 249. *Pseudaulacaspis major* (Cockerell), lychee bark scale (X12) on lychee.

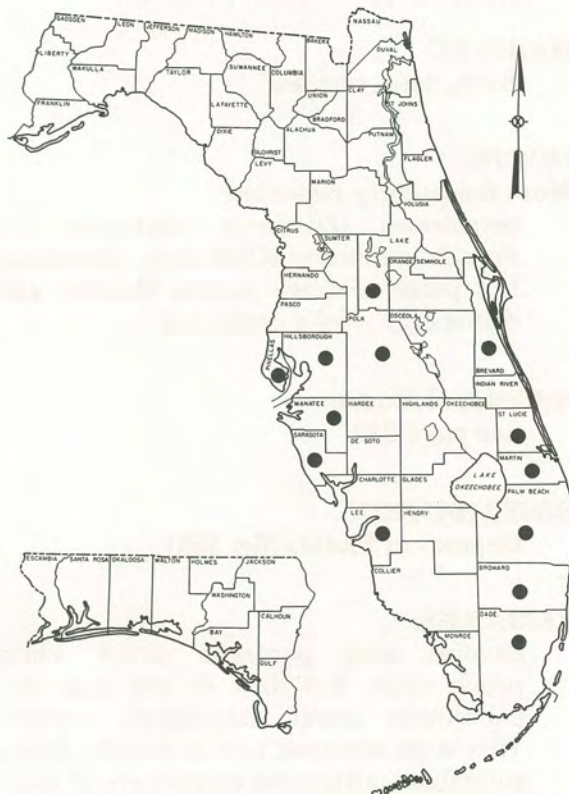


Fig. 250. Distribution of *Pseudaulacaspis major* (Cockerell), lychee bark scale.

SCIENTIFIC NAME:

Pseudaulacaspis pentagona (Targioni-Tozzetti)
(SOO-daw-la-KASS-pis pen-ta-GO-na)

COMMON NAME:

white peach scale

DESCRIPTION OF ARMOR:**Female:**

Circular, but irregular when crowded; convex, thick, white, yellowish white or grayish white; 1-2.25 mm in diam. Exuviae subcentral to submarginal; orange-yellow or brick red.

Male:**(Preadult)**

Elongate oval, white to dirty white; a weak medium carina; 1 mm long. Exuviae terminal.

HABITAT:

Bark, fruit, and leaf

HOSTS:**Most frequently reported:**

persimmon (*Diospyros virginiana* L.), French mulberry (*Callicarpa americana* L.), peach (*Prunus persica* Batsch), and chinaberry (*Melia azedarach* L.)

Additional Hosts:

See page 228

DISTRIBUTION:

General in Florida (fig. 252)

REMARKS:

Several wasp parasites attack white peach scale, but they do not keep the population under satisfactory control. This is an economic pest in Florida. Hosts sometimes affect the appearance of scale armors. Fig. 252 is an excellent example of the same species on different hosts.

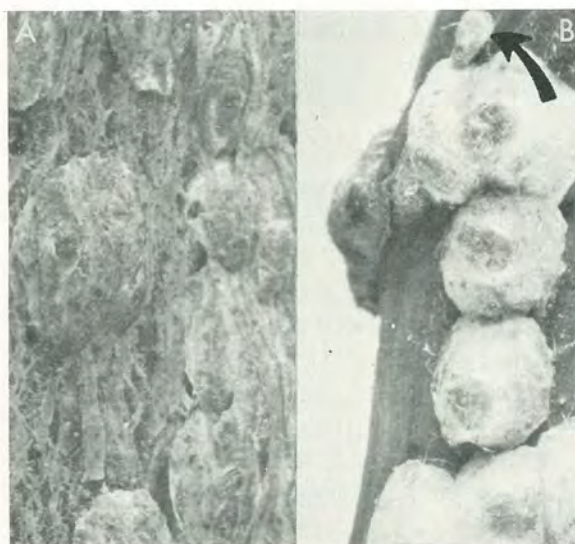


Fig. 251. *Pseudaulacaspis pentagona* (Targioni-Tozzetti), white peach scale (A) On mulberry (X12) (After Merrill). (B) On poinciana (X10) (Div. of Plant Ind.); arrow points to ♀.

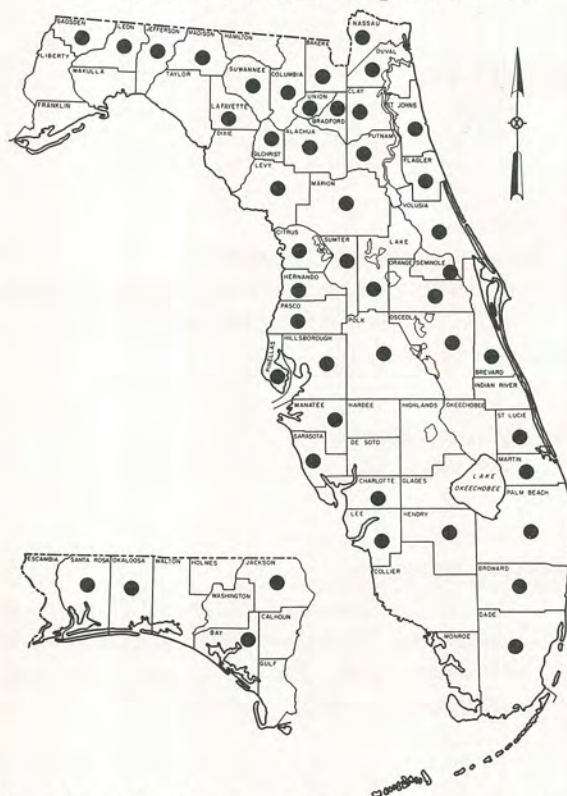


Fig. 252. Distribution of *Pseudaulacaspis pentagona* (Targioni-Tozzetti), white peach scale.

SCIENTIFIC NAME:

Pseudischnaspis bowreyi (Cockerell)
(SOO-dish-NASS-pis BOUGH-ree-eye)

PROPOSED COMMON NAME:

Bowrey scale

DESCRIPTION OF ARMOR:**Female:**

Elongate oblong shaped, sides approximately parallel, moderately convex; well defined curved ridges extend crosswise the secretory cover; blackish but covered with a purplish brown or bluish gray powder-like secretion; 2-3 mm long and 1-1.25 mm wide. Exuviae marginal or submarginal; brownish black. First exuviae crater-like surrounded by a grayish concentric ring. Ventral protective cover well developed.

Male:**(Preadult)**

Similar to female; about 1 mm long. Exuviae marginal or submarginal; brown or black.

HABITAT:

Bark and leaf

HOSTS:**Most frequently reported:**

seagrape *Coccoloba uvifera* L.

Additional Hosts:

See page 230

DISTRIBUTION:

Broward, Dade, and Monroe counties
(fig. 254)

REMARKS:

This scale is not an economic pest in Florida.



Fig. 253. *Pseudischnaspis bowreyi* (Cockerell), Bowrey scale (X10) on seagrape. Arrow points to armor of immature ♀.

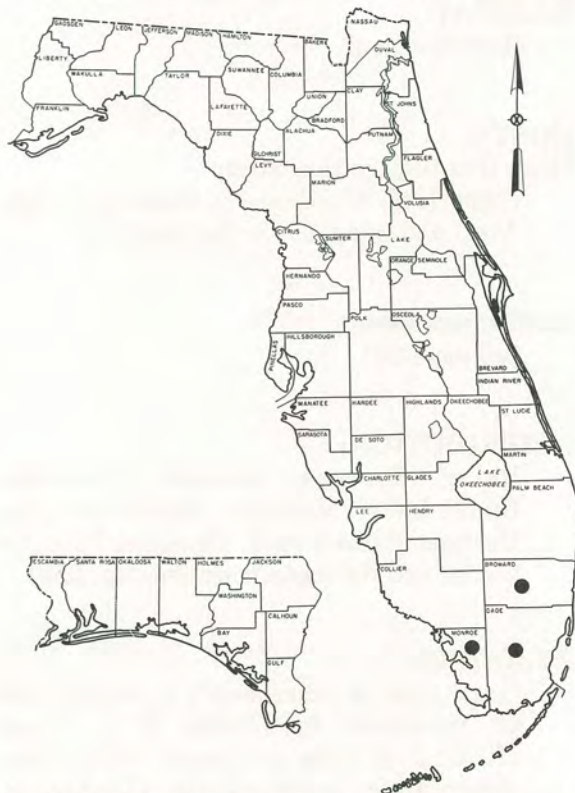


Fig. 254. Distribution of *Pseudischnaspis bowreyi* (Cockerell), Bowrey scale.

PSEUDOPARLATORIA

140

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Pseudoparlatoria ostreata Cockerell
(Soo-doe-PAR-la-TOE-ree-ah
os-tree-AYE-ta)

COMMON NAME:

gray scale

DESCRIPTION OF ARMOR:

Female:

Approximately circular, flat, thin, parchment-like, dark gray; about 0.75-1.5 mm in diam. Exuviae marginal.

Male:

(Preadult)

Elongate oval; 0.75 mm long; about 0.4 mm wide. Concolorous with female.

HABITAT:

Bark and leaf

HOSTS:

Most frequently reported:

copperleaf (*Acalypha wilkesiana* Muell. Arg.) and papaya (*Carica papaya* L.)

Additional Hosts:

See page 231

DISTRIBUTION:

Baker, Brevard, Broward, Charlotte, Dade, Lake, Manatee, Martin, Monroe, Orange, Palm Beach, Pinellas, Polk, St. Lucie, and Sarasota counties (fig. 256)

REMARKS:

Gray scale is occasionally a serious pest on copperleaf in Florida. It is almost identical to false parlatoria scale (*Pseudoparlatoria parlatorioides* (Comstock)). A microslide mount is required for specific identification.



Fig. 255. *Pseudoparlatoria ostreata* Cockerell, gray scale (X8). Straight arrow points to ♀.



Fig. 256. Distribution of *Pseudoparlatoria ostreata* Cockerell, gray scale.

SCIENTIFIC NAME:

Pseudoparlatoria parlatorioides
(Comstock)
(SOO-doe-PAR-la-TOE-ree-ah
PAR-la-TOE-ri-OY-dees)

COMMON NAME:

false parlatoria scale

DESCRIPTION OF ARMOR:**Female:**

Circular, flat or moderately convex, thin, yellow to yellowish brown, parchment-like; 0.75-1.5 mm in diam. Exuviae usually marginal, large and amber-colored.

Male:**(Preadult)**

Elongate oval, yellowish brown; 0.75 mm long; about 0.4 mm wide. Exuviae terminal; yellow.

HABITAT:

Bark and leaf

HOSTS:**Most frequently reported:**

Magnolia spp. and night-blooming jasmine (*Cestrum nocturnum* L.)

Additional Hosts:

See page 231

DISTRIBUTION:

Alachua, Brevard, Broward, Collier, Dade, Flagler, Hendry, Hernando, Highlands, Hillsborough, Indian River, Jefferson, Lake, Lee, Manatee, Marion, Martin, Orange, Osceola, Palm Beach, Pinellas, Polk, Putnam, St. Johns, St. Lucie, Seminole, and Volusia counties (fig. 258)

REMARKS:

This scale is almost identical to gray scale (*Pseudoparlatoria ostreata* Cockerell). A microslide mount is required to determine the species. All previous host records based on unmounted material must be questioned.

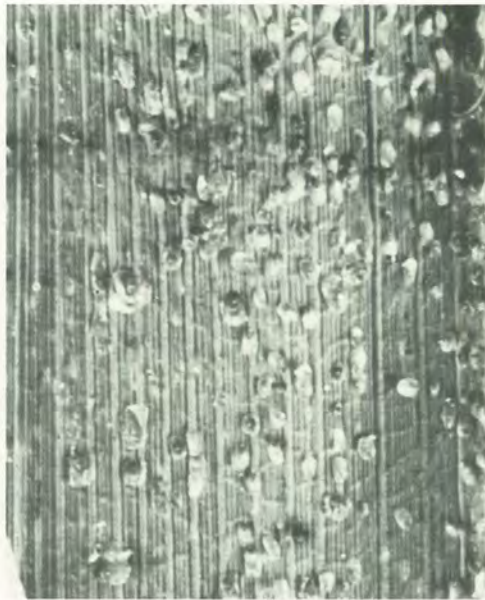


Fig. 257. *Pseudoparlatoria parlatorioides* (Comstock), false parlatoria scale (X5) (After Merrill).



Fig. 258. Distribution of *Pseudoparlatoria parlatorioides* (Comstock), false parlatoria scale.

PSEUDOPARLATORIA

142

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Pseudoparlatoria tillandsiae Tippins
(SOO-doe-PAR-la-TOE-ree-ah
til-LAND-see-ee)

PROPOSED COMMON NAME:

false Spanish-moss scale

DESCRIPTION OF ARMOR:

Female:

Elongate oval, light purplish brown to whitish; 1.5 mm long and 0.5 mm wide.
(Tippins, 1971).

Male:

(Preadult)

Unknown.

HABITAT:

Leaf and stem (Tippins, 1971)

HOSTS:

ball moss (*Tillandsia recurvata* L.)

DISTRIBUTION:

Orange County (fig. 259)

REMARKS:

This scale is completely obscured by the stellate hairs of the host (Tippins, 1971). The common name was suggested by H. H. Tippins, Georgia Experiment Station, Experiment, Georgia. The scale is of no known economic importance in Florida.

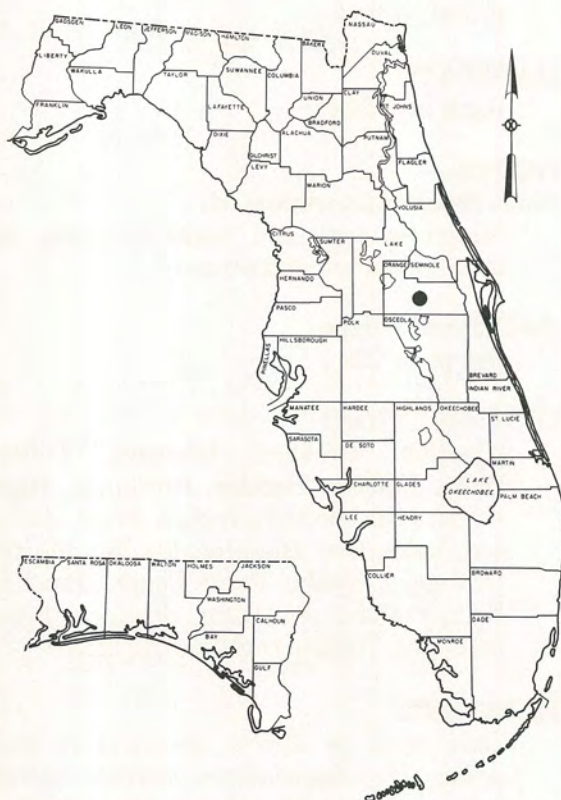


Fig. 259. Distribution of *Pseudoparlatoria tillandsiae* Tippins, false Spanish-moss scale.

SCIENTIFIC NAME:

Quadraspidotus forbesi (Johnson)
(QUAD-rass-pid-ee-OH-tus
FORBES-eye)

COMMON NAME:

Forbes scale

DESCRIPTION OF ARMOR:

Female:

Approximately circular, flat to convex, thin, dirty gray; 2 mm in diam. Exuviae subcentral and orange-colored.

Male:

(Preadult)

Elongate oval, darker than the female; about 1 mm in diam. Exuviae subcentral; orange-colored.

HABITAT:

Bark

HOSTS:

almond (wild), cherry (*Prunus* sp.), dogwood (*Cornus* sp.), pear (*Pyrus* sp.), pecan (*Carya illinoensis* Koch), and plum (*Prunus* sp.)

DISTRIBUTION:

Alachua, Baker, Gadsden, Hardee, Jefferson, Levy, Marion, Pinellas, Polk, Putnam, and Volusia counties (fig. 260)

REMARKS:

The primary host in Florida is plum (*Prunus* sp.). It is not an economic pest in Florida.



Fig. 260. Distribution of *Quadraspidotus forbesi* (Johnson), Forbes scale.

QUADRASPIDIOTUS

144

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Quadraspidotus juglansregiae
(Comstock)
(QUAD-rass-pid-ee-OH-tus
JEW-glans-REE-gee-ee)

COMMON NAME:

walnut scale

DESCRIPTION OF ARMOR:

Female:

Circular, flat, grayish to reddish brown;
2.25-3 mm in diam. Exuviae subcentral
reddish brown; usually covered with
secretion.

Male:

(Preadult)

Similar to the female, but smaller and
more slender.

HABITAT:

Bark and leaf

HOSTS:

Most frequently reported:

cherry (*Prunus* sp.), holly (*Ilex* spp.), and
peach (*Prunus persica* Batsch)

Additional Hosts:

See page 232

DISTRIBUTION:

Alachua, Baker, Dade, Duval, Gadsden,
Gilchrist, Hardee, Hillsborough, Jeffer-
son, Lake, Leon, Levy, Marion, Martin,
Orange, Palm Beach, Pinellas, Polk, Put-
nam, St. Johns, St. Lucie, Seminole, Sum-
ter, Taylor, and Volusia counties (fig. 262)

REMARKS:

This is one of the larger circular scales
found in Florida. It is not a serious pest in
Florida.

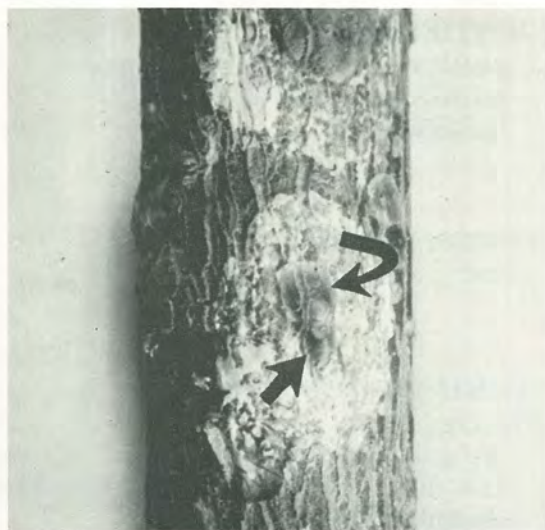


Fig. 261. *Quadraspidotus juglansregiae* (Comstock), walnut scale (X7); ♂ and ♀ developing side by side. Straight arrow points to ♂; curved arrow points to ♀.

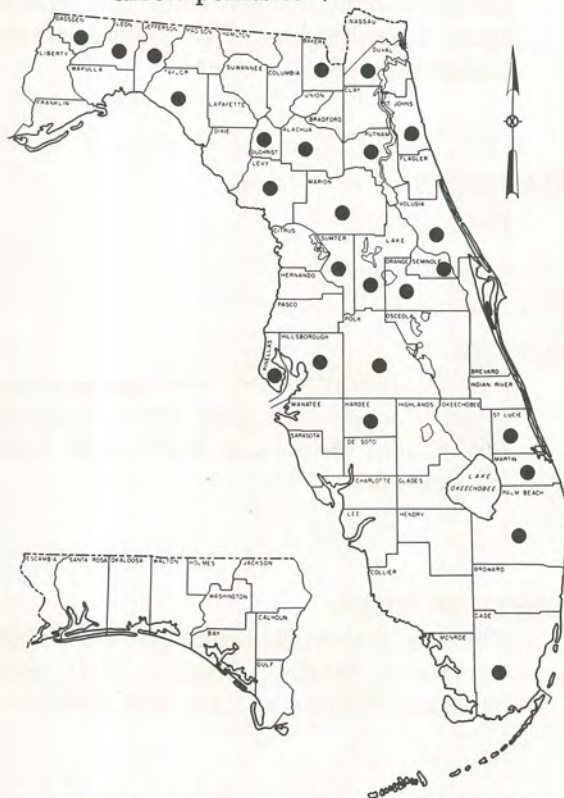


Fig. 262. Distribution of *Quadraspidotus juglansregiae* (Comstock), walnut scale.

SCIENTIFIC NAME:

Quadraspidotus perniciosus (Comstock)
(QUAD-rass-pid-ee-OH-tus
per-NISS-ee-OH-sus)

COMMON NAME:

San Jose scale

DESCRIPTION OF ARMOR:

Female:

Circular, slightly convex, smoky black to gray; 1-2 mm in diam. Exuviae central to subcentral; pale or reddish yellow when not covered with secretion. A conspicuous dark gray concentric ring is formed by the second exuviae.

Male:

(Preadult)

Oblong oval, darker than female and about twice as long as broad. Exuviae terminal.

HABITAT:

Bark, leaf, and fruit

HOSTS:

Most frequently reported:

firethorn (*Pyracantha* sp.), pear (*Pyrus* sp.), peach (*Prunus* sp.), plum (*Prunus* sp.), and rose (*Rosa* sp.)

Additional Hosts:

See page 233

DISTRIBUTION:

General in Florida (fig. 264)

REMARKS:

On the leaf of pear, the scale is light brown. A small red spot usually is found on the upper surface of pear leaves infested by this scale. The scale is a serious pest on peach, plum, and pear.



Fig. 263. *Quadraspidotus perniciosus* (Comstock), San Jose scale (X10). Straight arrow points to parasitized ♂; curved arrow points to cluster of ♀ immatures.



Fig. 264. Distribution of *Quadraspidotus perniciosus* (Comstock), San Jose scale.

QUADRASPIDIOTUS

146

DESCRIPTION OF SPECIES

SCIENTIFIC NAME:

Quadraspidotus taxodii Ferris
(QUAD-rass-pid-ee-OH-tus
tax-OH-dee-eye)

PROPOSED COMMON NAME:

bald cypress scale

DESCRIPTION OF ARMOR:

Female:

Circular, flat, whitish to gray, particles of bark usually covering the armor; 1.2 mm in diam. Exuviae marginal.

Male:

(Preadult)

Not observed.

HABITAT:

Bark

HOSTS:

bald cypress (*Taxodium distichum* Rich.)

DISTRIBUTION:

Glades, Palm Beach, and Volusia counties (fig. 265)

REMARKS:

This scale is found in cracks of the bark. Distribution records are incomplete for Florida. The first collection by the Division of Plant Industry was made by H. M. Van Pelt at Palmdale, Florida on 26 August 1954. This scale is of no known economic importance in Florida.

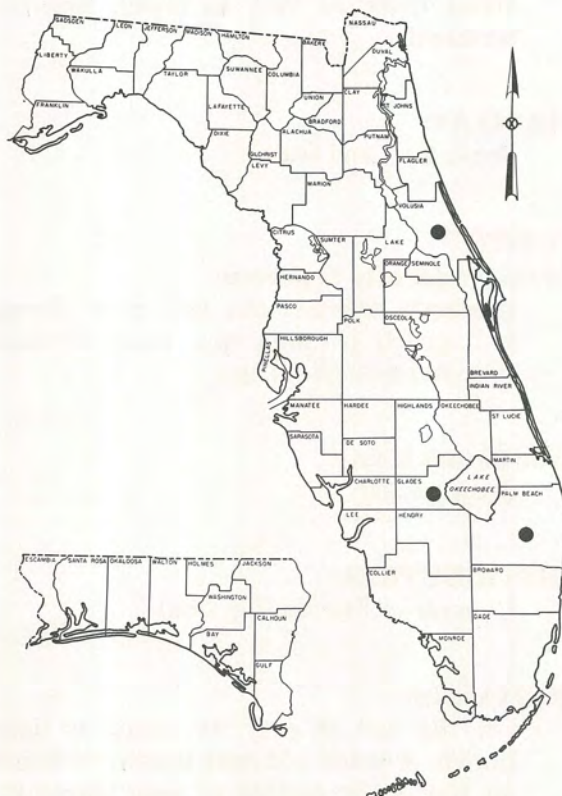


Fig. 265. Distribution of *Quadraspidotus taxodii* Ferris, bald cypress scale.

SCIENTIFIC NAME:

Quernaspis quercus (Comstock)
(kwur-NASS-pis KWUR-cus)

COMMON NAME:

oak scale

DESCRIPTION OF ARMOR:

Female:

Oystershell-shaped, convex, light to dark gray; about 2 mm long. Exuviae terminal yellowish brown.

Male:

(Preadult)

Slender, white, tricarniate; about 1 mm long. Exuviae terminal; yellow.

HABITAT:

Bark and leaf

HOSTS:

oak (*Quercus* spp.)

DISTRIBUTION:

Charlotte, Franklin, Palm Beach, Pinellas, and St. Johns counties. (fig. 267)

REMARKS:

The female scale is similar to the bark in color and difficult to detect unless a close inspection is made. It is not known to be of economic importance in Florida.

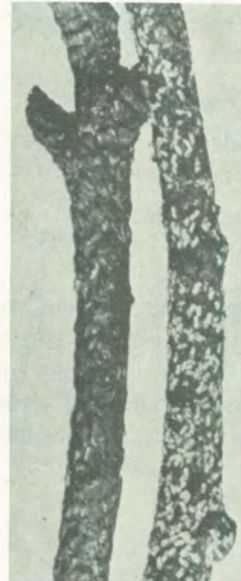


Fig. 266. *Quernaspis quercus* (Comstock), oak scale (X2) (After Essig).

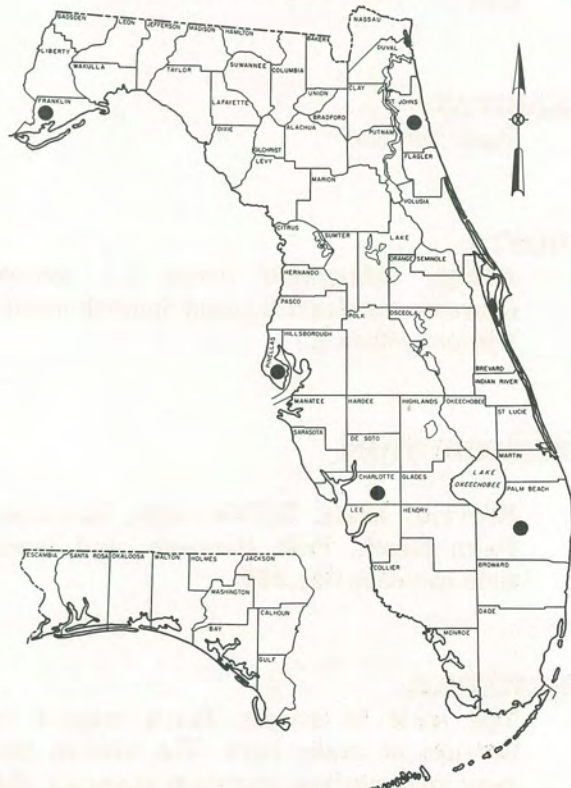


Fig. 267. Distribution of *Quernaspis quercus* (Comstock), oak scale.

SCIENTIFIC NAME:

Radionaspis indica (Marlatt)
(RAY-dee-oh-NASS-pis INN-dick-a)

COMMON NAME:

mango scale

DESCRIPTION OF ARMOR:

Female:

Minute, seed-like, convex, compressed at tip, brown, covered by a cottony or wax-like secretion; 0.5-1 mm long. First exuviae terminal; second exuviae entirely surrounds the insect (pupillarial form).

Male:

(Preadult)

Elongate, dirty white, 0.8-1 mm long. Exuviae terminal and covered with secretion.

HABITAT:

Bark and leaf

HOSTS:

mango (*Mangifera indica* L.), soursop (*Annona muricata* L.), and Spanish needle (*Bidens pilosa* L.)

DISTRIBUTION:

Brevard, Dade, Hillsborough, Manatee, Palm Beach, Polk, Sarasota, and Seminole counties (fig. 269)

REMARKS:

The scale is usually found massed in crevices or under bark. The whitish cottony or wax-like secretion covering the exuviae is easily rubbed off. It is not an economic pest in Florida.



Fig. 268. *Radionaspis indica* (Marlatt), mango scale (X2). Arrow points to ♂ on mango.



Fig. 269. Distribution of *Radionaspis indica* (Marlatt), mango scale.

SCIENTIFIC NAME:

Rhizaspidotus dearnessi (Cockerell)
 (rye-ZASS-pid-ee-OH-tus
 DEAR-ness-eye)

COMMON NAME:

dearness scale

DESCRIPTION OF ARMOR:**Female:**

Oval, convex, light brown, opaque; 1-2 mm long. Exuviae subcentral; yellow and usually covered with a white secretion.

Male:**(Preadult)**

Similar to female; about 0.75 mm long. Exuviae sublateral; light yellow and usually covered with a white secretion.

HABITAT:

Stem

HOSTS:

grasses, ragweed (*Ambrosia* sp.) summer
 farewell (*Petalostemon corymbosus*
 Michx.), thysanella (*Polygonella fimbriata*
 (Ell.) Horton, and *Verbena* sp.

DISTRIBUTION:

Alachua, Brevard, Dade, Hardee, Hillsborough, Marion, Martin, Palm Beach, and Sarasota counties (fig. 271)

REMARKS:

The scale is of no known economic importance in Florida.



Fig. 270. *Rhizaspidotus dearnessi* Cockerell), dearness scale (X2) (After Merrill and Chaffin).



Fig. 271. Distribution of *Rhizaspidotus dearnessi* (Cockerell), dearness scale.

SCIENTIFIC NAME:

Selenaspidus articulatus (Morgan)
(SELL-eh-NASS-pid-us
ar-TIC-you-LAY-tus)

COMMON NAME:

rufous scale

DESCRIPTION OF ARMOR:**Female:**

Approximately circular, slightly convex, semitransparent, grayish brown to yellowish brown, margin lighter; 2-2.5 mm in diam. Exuviae central, transparent, appears yellowish or copper-colored; second exuviae equals about $\frac{1}{3}$ the diam of the scale.

Male:**(Preadult)**

Oval, lighter in color than female; 1.25 mm long. Exuviae sublateral; deeper yellow in color than the female.

HABITAT:

Bark, fruit, and leaf

HOSTS:**Most frequently reported:**

Citrus spp., tamarind (*Tamarindus indica* L.), and croton (*Codiaeum variegatum* Blume)

Additional Hosts:

See page 234

DISTRIBUTION:

Baker, Dade, Lake, Monroe, Orange, and Sarasota counties (fig. 273)

REMARKS:

The scale is not of economic importance in Florida.

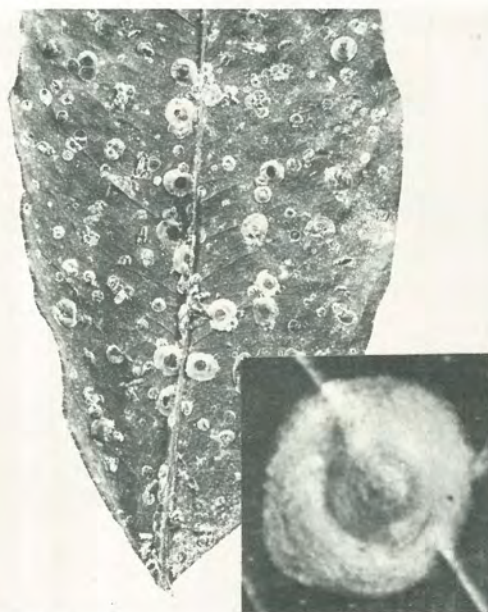


Fig. 272. *Selenaspidus articulatus* (Morgan), rufous scale (X2) (After Wilson). Inset (X12) (Div. of Plant Ind.).

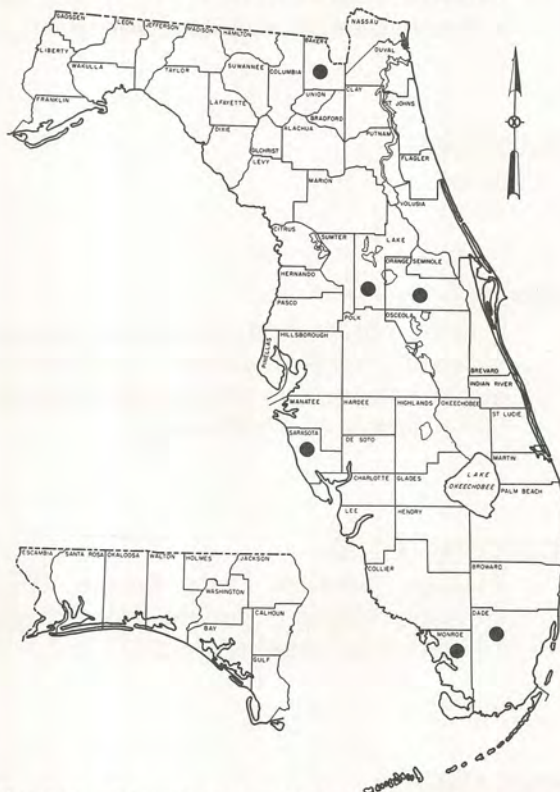


Fig. 273. Distribution of *Selenaspidus articulatus* (Morgan), rufous scale.

SCIENTIFIC NAME:

Situlaspis yuccae (Cockerell)
(SITT-you-LASS-pis YUK-kee)

COMMON NAME:

small situlaspis scale

DESCRIPTION OF ARMOR:**Female:**

Oval, flat, white, and about 1 mm long.
Exuviae large, dark, and central (Ferris, 1937).

Male:**(Preadult)**

Elongate oval, white, exuviae terminal
(Ferris, 1937)

HABITAT:

Stem and leaf bases (McKenzie, 1956)

HOSTS:

Yucca sp.

DISTRIBUTION:

Lee and Jefferson counties (fig. 274)

REMARKS:

The scale is of no known economic importance in Florida.

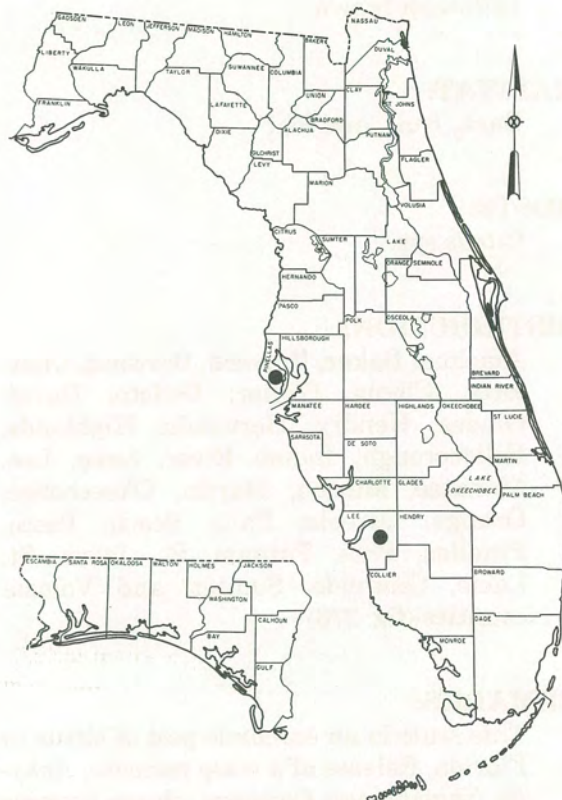


Fig. 274. Distribution of *Situlaspis yuccae* (Cockerell), small situlaspis scale.

SCIENTIFIC NAME:

Unaspis citri (Comstock)
(you-NASS-pis SIT-rye)

COMMON NAME:

citrus snow scale

DESCRIPTION OF ARMOR:**Female:**

Somewhat oystershell-shaped, moderately convex, brown to a dirty blackish brown with the margin lighter in color; 1.5-2.25 mm long. Some specimens have a central longitudinal ridge. Exuviae brownish yellow; about $\frac{1}{3}$ the length of the scale.

Male:**(Preadult)**

Slender, with the side margins parallel; white, tricarinate. Exuviae yellowish or yellowish brown.

HABITAT:

Bark, fruit, and leaf

HOSTS:

Citrus spp.

DISTRIBUTION:

Alachua, Baker, Brevard, Broward, Charlotte, Citrus, Collier, DeSoto, Duval, Glades, Hendry, Hernando, Highlands, Hillsborough, Indian River, Lake, Lee, Manatee, Marion, Martin, Okeechobee, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Johns, St. Lucie, Seminole, Sumter, and Volusia counties (fig. 276)

REMARKS:

This scale is an economic pest of citrus in Florida. Release of a wasp parasite, *Aphytis lingnanensis* Compere, shows promise in the control of this scale according to R. F. Brooks, Entomologist, IFAS.

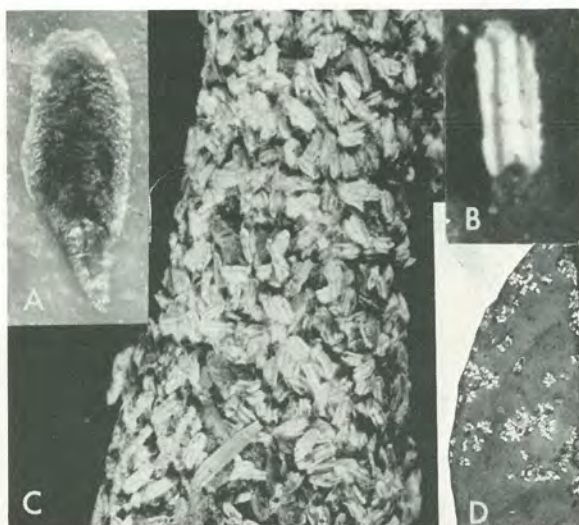


Fig. 275. *Unaspis citri* (Comstock), citrus snow scale. (A) Female (♀) (X20). (B) Male (♂) (X25). (C) Females (♀) & males (♂) on stem (X5). (D) Females (♀) & males (♂) on leaf (natural size).



Fig. 276. Distribution of *Unaspis citri* (Comstock), citrus snow scale.

SCIENTIFIC NAME:

Unaspis euonymi (Comstock)
(you-NASS-pis you-ON-i-my)

COMMON NAME:

euonymus scale

DESCRIPTION OF ARMOR:**Female:**

Narrow at the exuvial end, widening rapidly at about the first fourth of its length; thereby making, at times, the posterior portions wider than the length; grayish or blackish brown, with the margins lighter; 1.5-2.2 mm long. Exuviae terminal, copper-colored.

Male:**(Preadult)**

Elongate, slender, sides parallel, white, tricarinate; about 1 mm long. Exuviae terminal.

HABITAT:

Bark and leaf

HOSTS:

Camellia spp., burning bush (*Euonymus japonicus* L.), and twinberry eugenia (*Eugenia dicrana* Berg.)

DISTRIBUTION:

Alachua, Baker, Bay, Brevard, Charlotte, Clay, Duval, Highlands, Hillsborough, Holmes, Jefferson, Lake, Leon, Manatee, Marion, Orange, Pasco, Pinellas, Polk, Santa Rosa, Seminole, and Volusia counties (fig. 278)

REMARKS:

This scale is an economic pest of *Euonymus* sp. in Florida.

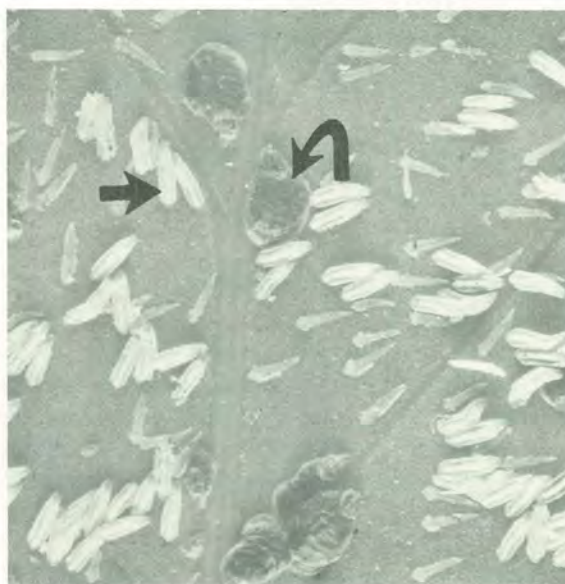


Fig. 277. *Unaspis euonymi* (Comstock), euonymus scale (X8). Straight arrow points to ♂; curved arrow points to ♀ on euonymus.

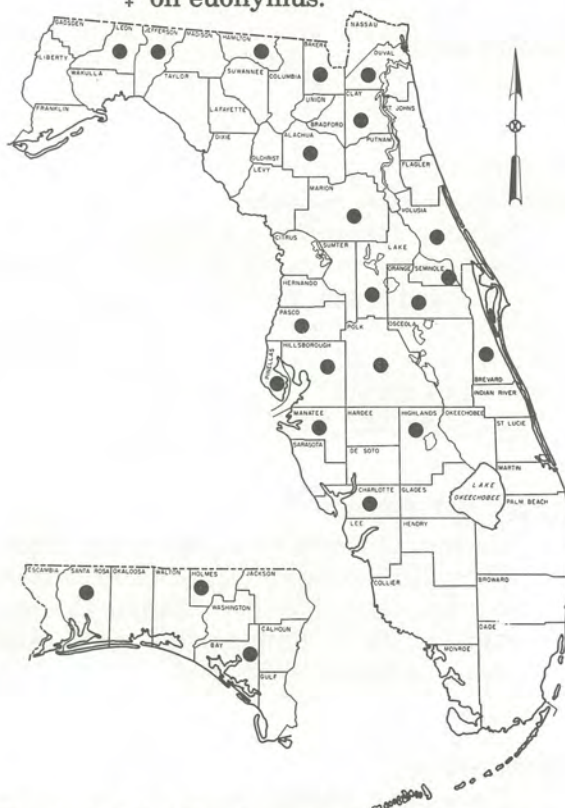


Fig. 278. Distribution of *Unaspis euonymi* (Comstock), euonymus scale.

SCIENTIFIC NAME:

Velataspis dentata (Hoke)
(VELL-ah-TASS-pis den-TAY-ta)

PROPOSED COMMON NAME:

dentate scale

DESCRIPTION OF ARMOR:**Female:**

Long and slender, sides parallel, white with a tinge of yellowish green; 1-1.5 mm long and 0.13-0.25 mm wide. Exuviae terminal; second exuviae equal or slightly less than $\frac{1}{2}$ the length of the armor.

Male:**(Preadult)**

Shorter and broader than the female, similar in color. Exuviae terminal.

HABITAT:

Leaf

HOSTS:**Most frequently reported:**

bull bay (*Magnolia grandiflora* L.), sweet bay (*Magnolia virginiana* L.), bay (*Persea* spp.), and red maple (*Acer rubrum* L.)

Additional Hosts:

See page 236

DISTRIBUTION:

Alachua, Brevard, Clay, Hernando, Highlands, Hillsborough, Indian River, Jefferson, Lee, Levy, Manatee, Marion, Orange, Pinellas, Polk, Putnam, St. Lucie, and Seminole counties (fig. 280)

REMARKS:

The scale is usually found on the underside of the leaf. It is of no known economic importance to nurseries in Florida.



Fig. 279. *Velataspis dentata* (Hoke), dentate scale (X42) on magnolia.



Fig. 280. Distribution of *Velataspis dentata* (Hoke), dentate scale.

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INDEX TO THE FLORIDA ARMORED SCALE AND THEIR HOSTS

Armored scale species are listed alphabetically by scientific name with their hosts listed alphabetically by scientific and common names.

ABGRALLASPIS COMSTOCKI (JOHNSON)— Comstock scale

Persea sp.

ABGRALLASPIS CYANOPHYLLI (SIGNORET)— cyanophyllum scale

Acacia sp.

Acalypha sp. (acalypha; chenille plant; copper-leaf)

Acer sp. (maple)

A. barbatum Michx. (Florida maple)

A. negundo L. (boxelder)

Acoelorrhaphe wrightii (Griseb. & Wendl.)
Wendl. & Becc. (silver saw palmetto)

Acorus gramineus Soland. (Japanese sweetflag)

Adonidia merrilli Becc. (see *Veitchia merrillii*
(Becc.) Moore)

Aegle marmelos (L.) Correa (baelfruit)

Aleurites fordii Hemsl. (tung oil tree)

Allamanda sp.

almond, tropical (*Terminalia arjuna* Wight &
Arn.; *Terminalia catappa* L.)

Aloe sp.

Alternanthera sp.

ambarella (*Spondias cytherea* Sonn.)

Annona cherimola Mill. (cherimoya)

A. diversifolia Safford (ilama)

A. reticulata L. (common custard apple; Jamaica
apple; bullocksheart)

Anthericum liliago L. (St. Bernard's lily)

Anthurium sp.

apple:

common custard (*Annona reticulata* L.)

Jamaica (*Annona reticulata* L.)

kei- (*Dovyalis caffra* Warb.)

Ardisia sp.

Ardisia revoluta H.B.K. (fruta de pava)

Arecastrum romanzoffianum Becc. (queen palm)

Aristea sp.

arrowroot (*Maranta* sp.)

Artabotrys odoratissimus R. Br. (false ylang-
ylang)

Artocarpus altilis Fosberg (breadfruit)

A. integra Merr. (jakfruit)

Asclepias sp. (milkweed)

Asparagus plumosus Baker (asparagus fern)

Aucuba japonica Thunb. & Golddust (golddust
plant)

Australasia catchbird tree (*Pisonia brunoniana*
Endl. 'Variegata')

avocado (*Persea americana* Mill.)

azalea (*Rhododendron indicum* (L.) Sweet)

Baccharis angustifolia Michx. (saltbush; ground-
sel bush)

B. halimifolia L. (groundsel bush; saltbush)

Baccharis sp. (jupiter tree)

baelfruit (*Aegle marmelos* (L.) Correa)

banana (*Musa* sp.)

baquina (*Pothomorphe peltata* (L.) Miquel)

Bauhinia sp. (mountain ebony; Florida orchid-
tree)

bay, loblolly (*Gordonia lasianthus* (L.) Ellis)

bay, red (*Persea borbonia* (L.) Spreng.)

Befaria racemosa Vent. (fly catcher; tar-flower
plant)

Begonia sp.

Berlandiera sp.

Billbergia sp.

bird-of-paradise (*Strelitzia reginae* Banks)

blueberry (*Vaccinium* sp.)

bordergrass (*Liriope* sp.)

bottlebrush (*Callistemon viminalis* Cheel.)

Bougainvillea sp.

boxelder (*Acer negundo* L.)

bracket plant (*Chlorophytum* sp.)

Brassia sp. (spider orchid)

breadfruit (*Artocarpus altilis* Fosberg)

bulletwood (*Mimusops* sp.)

bullocksheart (*Annona reticulata* L.)

bulrush (*Scirpus* sp.)

Butia capitata (Mart.) Becc. (jelly palm; pindo
palm)

cactus (*Echinopsis* sp.)

cactus, hedge (*Cereus peruvianus* Mill.)

cactus, orchid (*Epiphyllum* sp.)

cactus, Turk's cap (*Melocactus melocactoides*
(Hoffm.)DC.)

cajuput (*Melaleuca leucadendra* L.)

Calathea vandenheckei Regel (calathea)

Calliandra californica Benth. (powderpuff)

Callistemon viminalis Cheel. (bottlebrush)

Camellia japonica L.

C. sinensis (L.) Kuntze (tea)

camphor tree (*Cinnamomum* sp.)

Cananga odorata Hook. f. & Thomas (ylang-
ylang)

Carex sp. (wild sedge)

Carrisa grandiflora A. DC. (natal plum)

carrion flower (*Stapelia* sp.)

Caryota sp. (fishtail palm)

cat's-claw (*Pithecellobium unguis-cati* Mart.)

Ceiba pentandra Gaertn. (kapok; silk-cotton tree)

Celtis sp. (hackberry)

- Cereus peruvianus* Mill. (hedge cactus)
Cestrum sp. (jessamine)
Chamaedorea elegans Mart. (palm)
Chamaerops humilis L. (European fan palm)
 chenille plant (*Acalypha* sp.)
 cherimoya (*Annona cherimola* Mill.)
 chicken gizzard plant (*Iresine* sp.)
Chlorophytum sp. (bracket plant)
C. capense Kuntz.
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Cinnamomum sp. (camphor tree)
Coccoloba uvifera L. (seagrape)
Cocos nucifera L. (coconut palm)
Coffea arabica L. (common or Arabian coffee)
 coffee:
 Arabian (*Coffea arabica* L.)
 common (*Coffea arabica* L.)
 copperleaf (*Acalypha* sp.)
Cordyline sp.
Cornus sp. (dogwood)
 cowberry (*Vaccinium* sp.)
 cranberry (*Vaccinium* sp.)
 crape-myrtle (*Lagerstroemia indica* L.)
 crape-myrtle, queen (*Lagerstroemia speciosa* Pers.)
 crassula (*Crassula* sp.)
Crassula sp. (crassula)
C. argentea Thunb. (jade plant)
 crown-of-thorns (*Euphorbia milii* Ch. des Moul.)
Cycas circinalis L. (cycad)
C. revoluta Thunb. (sago palm)
 daisy (*Gerbera* sp.)
 deer's tongue (*Trilisa odoratissima* Cass.)
Delostoma sp. (delostoma)
Dioscorea sp. (yam)
 dog-fennel (*Eupatorium capillifolium* (Lam.) Small)
 dogwood (*Cornus* sp.)
Dovyalis caffra Warb. (kei-apple; umkokolo)
Echinopsis sp. (cactus)
Ehretia laevis Roxb. (smooth ehretia)
Elaeagnus sp.
Epiphyllum sp. (orchid cactus)
Eriobotrya japonica Lindl. (loquat)
Euonymus sp.
Eupatorium capillifolium (Lam.) Small (dog-fennel)
Euphorbia milii Ch. des Moul. (crown-of-thorns)
 false dragon head (*Physostegia* sp.)
 farfugium (*Ligularia* sp.)
Fatshedera sp.
 fatsia (*Fatsia japonica* (Thunb.) D. & P.)
Fatsia japonica (Thunb.) D. & P. (fatsia)
Faucaria tigrina Schwant. (tiger jaws)
 fern, asparagus (*Asparagus plumosus* Baker)
 "fern," coontie (*Zamia integrifolia* Ait.)
 fern, cycad (*Stangeria paradoxa* Moore)
Ficus carica L. (common fig)
F. elastica Roxb. (rubber-plant)
F. pumila L. (creeping fig)
 fig, common (*Ficus carica* L.)
 fig, creeping (*Ficus pumila* L.)
 flame vine (*Pyrostegia* sp.)
 fly catcher plant (*Befaria racemosa* Vent.)
 frangipani (*Plumeria* sp.)
 fruta de pava (*Ardisia revoluta* H.B.K.)
Garcinia mangostana L. (mangosteen)
Gerbera sp. (daisy)
 golddust plant (*Aucuba japonica* Thunb. & Gold-dust)
 goldenrod (*Solidago minor* (Michx.) Fern.)
Gordonia lasianthus (L.) Ellis (loblolly bay)
 gourd, bottle (*Lagenaria hapsonia**)
 grape (*Vitis* sp.)
 greenbrier (*Smilax* sp.)
Grevillea robusta Cunn. (silkoak)
 groundsel bush (*Baccharis angustifolia* Michx.; *B. halimifolia* L.)
 guava (*Psidium* sp.)
 hackberry (*Celtis* sp.)
Hedera helix L. (English ivy)
 henna (*Lawsonia* sp.)
Hernandia bivalvis Benth. (jack-in-a-box)
Hibiscus sp.
 holly, Chinese (*Ilex cornuta* Lindl. & Paxton)
 holly, dahoon (*Ilex cassine* L.)
 holly, myrtleleaf (*Ilex myrtifolia* Walt.)
 honeysuckle (*Lonicera* sp.)
Howea belmoreana Becc. (belmore sentry palm)
Hyphaene crinita Gaertn. (palm)
 ilama (*Annona diversifolia* Safford)
Ilex cassine L. (dahoon holly)
I. cornuta Lindl. & Paxton (Chinese holly)
I. myrtifolia Walt. (myrtleleaf holly)
Iresine sp. (chicken gizzard plant)
Iris sp.
 ivy, English (*Hedera helix* L.)
 jack-in-a-box (*Hernandia bivalvis* Benth.)
 jade plant (*Crassula argentea* Thunb.)
 jakfruit (*Artocarpus integra* Merr.)
 jasmine, Chilean (*Mandevilla lucens**)
 jasmine, Madagascar (*Stephanotis floribunda* Brongn.)
 jessamine (*Cestrum* sp.)
 jew bush (*Pedilanthus* sp.)
 jupiter tree (*Bacchinia* sp.)
Kalanchoë sp.
 kapok (*Ceiba pentandra* Gaertn.)
Lagenaria sp. (bottle gourd)
*L. hapsonia** (bottle gourd)
Lagerstroemia indica L. (crape-myrtle)
L. speciosa Pers. (queen crape-myrtle)
Latania sp. (latan palm)
 laurelcherry, Carolina (*Prunus caroliniana* (Mill.) Ait.)
 laurel, Spanish**
Lawsonia sp. (henna; mignonette-tree)
 leopard plant (*Ligularia* sp.)
Ligularia sp. (farfugium; leopard plant)

*Authority for genus and species could not be found.

**Scientific name could not be verified.

- ligustrum (*Ligustrum lucidum* Ait.)
Ligustrum lucidum Ait. (ligustrum; privet)
Lilium sp. (leopard lily)
L. longiflorum Thunb. (white lily)
 lily, amaryllis-like (*Lycoris* sp.)
 lily, leopard (*Lilium* sp.)
 lily, St. Bernard's (*Anthericum liliago* L.)
 lilyturf (*Liriope graminifolia* Baker; *L. muscaria* Bailey)
 lilyturf (*Mondo* sp.)
 lily, white (*Lilium longiflorum* Thunb.)
Liquidambar styraciflua L. (sweetgum)
Liriope sp. (bordergrass)
L. graminifolia Baker (lilyturf)
L. muscari Bailey (lilyturf)
Livistona australis (R. Brown) Mart. (fountain palm)
Lonicera sp. (honeysuckle)
L. fragrantissima Lindl. & Paxt. (sweet breath of spring)
 loquat (*Eriobotrya japonica* Lindl.)
Lycoris sp. (amaryllis-like lily)
Magnolia grandiflora L. (sweet magnolia)
M. virginiana L. (sweet bay)
*Mandevilla lucens** (Chilean jasmine)
 mangosteen (*Garcinia mangostana* L.)
 maple, Florida (*Acer barbatum* Michx.)
Maranta sp. (arrowroot)
Melaleuca leucadendra L. (cajeput; punk tree)
Melocactus melocactoides (Hoffm.) DC. (Turk's cap cactus)
Miconia magnifica Triana
 mignonette-tree (*Lawsonia* sp.)
 milkweed (*Asclepias* sp.)
Mimusops sp. (bulletwood)
Mondo sp. (lilyturf)
Moraea iridioides L. (moraea)
Morinda citrifolia Linn. (Indian mulberry)
 mountain ebony (*Bauhinia* sp.)
 mulberry, Indian (*Morinda citrifolia* Linn.)
Musa sp. (banana)
Myrica cerifera L. (wax myrtle)
Nandina sp.
 natal plum (*Carissa grandiflora* A. DC.)
Nidularium sp. (nidularium)
 oak, silk (*Grevillea robusta* Cunn.)
 oleander, yellow (*Thevetia peruviana* Schum.)
Orbignya sp. (palm)
 orchid, spider (*Brassia* sp.)
 orchid-tree, Florida (*Bauhinia* sp.)
 palmetto (*Sabal* sp.)
 palmetto, dwarf saw (*Rhapidophyllum hystrix* (Pursh) H. Wendl. & Drude)
 palmetto, silver saw (*Acoelorrhapha wrightii* (Griseb. & Wendl.) Wendl. & Becc.)
 palms:
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 Canary Island date (*Phoenix canariensis* Chaub.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
 Chamaedorea elegans Mart.
 Chinese windmill (*Trachycarpus fortunei* H. Wendl.)
 Christmas (*Veitchia merrillii* (Becc.) Moore)
 coconut (*Cocos nucifera* L.)
 dwarf date (*Phoenix roebelenii* O'Brien)
 European fan- (*Chamaerops humilis* L.)
 fishtail (*Caryota* sp.)
 fountain (*Livistona australis* (R. Brown) Mart.)
 Hyphaene crinita Gaertn.
 jelly (*Butia capitata* (Mart.) Becc.)
 latan (*Latania* sp.)
 Livistona sp.
 Manilla (*Veitchia merrillii* (Becc.) Moore)
 needle (*Rhapidophyllum hystrix* (Pursh) H. Wendl. & Drude)
 Orbignya sp.
 pigmy date (*Phoenix roebelenii* O'Brien)
 pindo (*Butia capitata* (Mart.) Becc.)
 Pritchardia sp.
 Ptychosperma sp.
 queen (*Arecastrum romanzoffianum* Becc.)
 royal (*Roystonea* sp.)
 sago- (*Cycas revoluta* Thunb.)
 sentry, belmore (*Howeia belmoreana* Becc.)
 Thrinax sp.
 Washingtonia sp.
Pandanus sp. (screwpine)
Parthenocissus sp. (Virginia creeper)
 pear (*Pyrus* sp.)
Pedilanthus sp. (slipper flower; jew bush)
Persea americana Mill. (avocado)
P. borbonia (L.) Spreng. (red bay)
P. palustris (Raf.) Sarg. (swamp bay)
Philodendron sp.
Phoenix canariensis Chaub. (Canary Island date palm)
P. roebelenii O'Brien (pigmy date palm; dwarf date palm)
Physostegia sp. (false dragonhead)
Pisonia brunoniana Endl. 'Variegata' (Australasia catchbird tree)
Pithecellobium unguis-cati Mart. (cat's claw)
Pittosporum sp. (pittosporum)
Plumeria sp. (frangipani)
 pomegranate, dwarf (*Punica granatum* L. 'Nana')
Pothomorphe peltata (L.) Miquel (baquina)
 powderpuff (*Calliandra californica* Benth.)
Pritchardia sp. (palm)
 privet (*Ligustrum lucidum* Ait.)
Prunus caroliniana (Mill.) Ait. (Carolina laurel-cherry)
Psidium sp. (guava)
Ptychosperma sp. (palm)
Punica granatum L. 'Nana'
 punk tree (*Melaleuca leucadendra* L.)
Pyrostegia sp. (flame vine)

*Authority for genus and species could not be found.

Pyrus sp. (pear)
Quisqualis indica L. (rangoon-creeper)
Randia aculeata L. (randia)
 rangoon-creeper (*Quisqualis indica* L.)
Rhapidophyllum hystrix (Pursh) H. Wendl. & Drude (needle palm; dwarf saw palmetto)
Rhododendron indicum (L.) Sweet (azalea)
 rice paper plant, Chinese (*Tetrapanax papyriferus* Koch)
Roystonea sp. (royal palm)
 rubber-plant (*Ficus elastica* Roxb.)
Sabal sp. (palmetto)
 sage, red (*Salvia coccinea* Juss.)
Salix sp. (willow)
 saltbush (*Baccharis angustifolia* Michx.; *B. halimifolia* L.)
Salvia coccinea Juss. (red sage)
 screwpine (*Pandanus* sp.)
Scirpus sp. (bulrush)
 seagrape (*Coccoloba uvifera* L.)
 sedge, wild (*Carex* sp.)
Serissa foetida Lam. (serissa)
Schizolobium parahybum (Vell.) Blake
 silk-cotton tree (*Ceiba pentandra* Gaertn.)
 slipper flower (*Pedilanthus* sp.)
Smilax sp. (greenbrier)
 smooth ehretia (*Ehretia laevis* Roxb.)
Solidago minor (Michx.) Fern. (goldenrod)
 Spanish bayonet (*Yucca aloifolia* L.)
 Spanish dagger (*Yucca* sp.)
Spathiphyllum sp.
Spondias cytherea Sonn. (ambarella)
Stangeria paradoxa Moore (fern cycad)
Stapelia sp. (carrion flower)
Stephanotis floribunda Brongn. (Madagascar jasmine)
Strelitzia reginae Banks (bird-of-paradise)
 swamp bay (*Persea palustris* (Raf.) Sarg.)
 sweet bay (*Magnolia virginiana* L.)
 sweet breath of spring (*Lonicera fragrantissima* Lindl. & Paxt.)
 sweetflag, Japanese (*Acorus gramineus* Soland.)
 sweet gum (*Liquidambar styraciflua* L.)
Tabernaemontana sp.
 tar-flower (*Befaria racemosa* Vent.)
 tea (*Camellia sinensis* (L.) Kuntze)
Terminalia arjuna Wight & Arn. (tropical almond)
T. catappa L. (tropical almond)
Tetrapanax papyriferus Koch (Chinese rice paper plant)
Thevetia nereifolia Juss. (see *Thevetia peruviana* Schum.)
T. peruviana Schum. (yellow oleander)
Thrinax sp. (palm)
 tiger jaws (*Faucaria tigrina* Schwant.)
Tinnea sp.
Trachycarpus fortunei H. Wendl. (Chinese windmill palm)

Trilisa odoratissima Cass. (deer's tongue; vanilla plant)
 tung oil tree (*Aleurites fordii* Hemsl.)
 umkokolo (*Dovyalis caffra* Warb.)
Vaccinium sp. (cranberry; blueberry; cowberry)
 vanilla plant (*Trilisa odoratissima* Cass.)
Veitchia merrillii (Becc.) Moore (Christmas palm; Manila palm)
Viburnum sp.
Viola odorata L. (florists, garden, or sweet violet)
 violet, florists (*Viola odorata* L.)
 violet, garden (*Viola odorata* L.)
 violet, sweet (*Viola odorata* L.)
 Virginia creeper (*Parthenocissus* sp.)
Vitis sp. (grape)
Washingtonia sp. (palm)
 willow (*Salix* sp.)
 willow, false*
 yam (*Dioscorea* sp.)
 ylang-ylang (*Cananga odorata* Hook. f. & Thomas)
 ylang-ylang, false (*Artabotrys odoratissimus* R. Br.)
Yucca sp. (Spanish dagger)
Y. aloifolia L. (Spanish bayonet)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (coontie "fern")
Zygocactus truncatus (Haw.) K. Sch.

ABGRALLASPIS HOWARDI (COCKERELL) — Howard scale

Acer rubrum L. (red maple)
Aloe sp.
 bay, red (*Persea borbonia* (L.) Spreng.)
 dog-fennel (*Eupatorium* sp.)
Eupatorium sp. (dog-fennel)
 holly, Japanese (*Ilex crenata* Thunb. 'Rotundifolia')
Ilex crenata Thunb. 'Convexa'
I. crenata Thunb. 'Rotundifolia' (Japanese holly)
I. opaca Ait. 'Howard'
 maple, red (*Acer rubrum* L.)
Persea borbonia (L.) Spreng. (red bay)
 Spanish bayonet (*Yucca aloifolia* L.)
Yucca aloifolia L. (Spanish bayonet)

ABGRALLASPIS TOWNSENDI (COCKERELL) — Townsend scale

Adam's needle (*Yucca smalliana* Fern.)
 bamboo vine (*Smilax* sp.)
 bay, loblolly (*Gordonia lisianthus* (L.) Ellis)
 bay, sweet (*Magnolia virginiana* (L.))
 blueberry (*Vaccinium* sp.)
Eriobotrya japonica Lindl. (loquat)
Gordonia lasianthus (L.) Ellis
 grass, bear- (*Yucca smalliana* Fern.)
 holly (*Ilex* sp.)

*Scientific name could not be verified.

Ilex sp. (holly)
 loquat (*Eriobotrya japonica* Lindl.)
 magnolia, southern (*Magnolia grandiflora* L.)
Magnolia grandiflora L. (southern magnolia)
M. virginiana L. (sweet bay)
 palmetto (*Sabal* sp.)
Rhus sp. (sumac)
Sabal sp. (palmetto)
Smilax sp. (bamboo vine)
 sumac (*Rhus* sp.)
Vaccinium sp. (blueberry)
Yucca smalliana Fern. (Adam's needle, bear-grass)

ACUTASPIS MORRISONORUM KOSZTARAB —
 round conifer scale

arborvitae (*Thuja* sp.)
 Canadian hemlock (*Tsuga canadensis* (L.) Carr)
 cedar (*Cedrus* sp.)
 cedar, deodar (*Cedrus deodara* (Roxb.) Loud.)
 cedar, Eastern red (*Juniperus virginiana* L.)
 cedar, Southern red (*Juniperus silicicola* (Small) Bailey)
 cedar, stinking (*Torreya taxifolia* Arn.)
 cedar, white (*Chamaecyparis thyoides* (L.) B.S.P.)
Cedrus sp. (cedar)
C. deodara (Roxb.) Loud. (deodar cedar)
Chamaecyparis thyoides (L.) B.S.P. (white cedar)
 coontie (*Zamia integrifolia* Ait.)
 hemlock, Canadian (*Tsuga canadensis* (L.) Carr)
 juniper, creeping (*Juniperus procumbens* (Endl.) Mig.)
 juniper, Japgarden (*Juniperus procumbens* (Endl.) Mig.)
 juniper, pfitzer (*Juniperus chinensis* L. 'Pfitzeriana')
Juniperus chinensis L. 'Blue Vase'
J. chinensis L. 'Hetzii'
J. chinensis L. 'Pfitzeriana' (pfitzer juniper)
J. chinensis L. 'Sylvestris'
J. procumbens (Endl.) Mig. (creeping juniper, Japgarden juniper)
J. silicicola (Small) Bailey (Southern red cedar)
J. virginiana L. (Eastern red cedar)
 palmetto (*Sabal* sp.)
 pine, slash (*Pinus elliotti* Engelm.)
 pine, South Florida slash (*Pinus elliotti* Engelm. var. *densa* Little & Dorman)
Pinus elliotti Engelm. (slash pine)
Pinus elliotti Engelm. var. *densa* Little & Dorman (South Florida slash pine)
Sabal sp. (palmetto)
Thuja sp. (arborvitae)
Torreya taxifolia Arn. (stinking cedar)
Tsuga canadensis (L.) Carr (Canadian hemlock)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (coontie)

ACUTASPIS PERSEAE (COMSTOCK) — red bay scale

aloe (*Aloe* sp.)
Ampelothammis phillyreifolius (see *Pieris phillyreifolius* (Hook) DC.)
Araucaria excelsa R. Br. (Norfolk Island pine)
 avocado (*Persea americana* Mill.)
 azalea (*Rhododendron* sp.)
 bay, loblolly (*Gordonia lasianthus* (L.) Ellis)
 bay, red (*Persea* sp.)
 bay, swamp (*Persea* sp.)
 bay, sweet (*Magnolia virginiana* L.)
 blueberry (*Vaccinium* sp.)
 brier, bamboo (*Smilax* sp.)
 buttonbush (*Cephalanthus* sp.)
 camphor tree (*Cinnamomum camphora* Nees & Eberm.)
Cattleya mossiae 'Oliver Lines' (orchid)
 cedar (*Cedrus* sp.)
 cedar, red (*Juniperus virginiana* L.)
 cedar, stinking (*Torreya taxifolia* Arn.)
 cedar, white (*Chamaecyparis thyoides* (L.) B.S.P.)
Cedrus sp. (cedar)
Cephalanthus sp. (buttonbush)
Chamaecyparis thyoides (L.) B.S.P. (white cedar)
Cinnamomum camphora (L.) Nees & Eberm. (camphor tree)
Colocasia sp. (elephant's ear; taro; eddo; dasheen)
Cupressus arizonica Greene (Arizona cypress)
C. sempervirens L. (Italian cypress)
Cycas revoluta Thunb. (sago-palm)
 cypress, Arizona (*Cupressus arizonica* Greene)
 cypress, Italian (*Cupressus sempervirens* L.)
Cyrilla racemiflora L. (white titi)
 dasheen (*Colocasia* sp.)
 eddo (*Colocasia* sp.)
 elephant's ear (*Colocasia* sp.)
Epidendrum sp. (orchid)
Euonymus sp. (strawberry bush)
 gallberry (*Ilex glabra* Gray)
Gaylussacia sp. (wild honeysuckle)
Gordonia lasianthus (L.) Ellis (loblolly bay)
Hedera sp. (ivy)
 hemlock (*Tsuga* sp.)
 honeysuckle, wild (*Gaylussacia* sp.)
Ilex bullata Rehd. (see *Ilex crenata* Thunb. 'Convexa')
I. crenata Thunb. 'Convexa' (holly)
I. glabra Gray (gallberry)
I. opaca Ait. (American holly)
I. vomitoria Ait. (yaupon)
 ivy (*Hedera* sp.)
 Jacob's ladder (*Polemonium caeruleum* L.)
 juniper (*Juniperus* sp.)
 juniper, Chinese (*Juniperus chinensis* L. 'Sylvestris')
Juniperus sp. (juniper)
J. chinensis L. 'Sylvestris' (Chinese juniper)

J. virginiana L. (red cedar)
Laelia anceps var. *alba* Reichb. f. (orchid)
Laurus nobilis L. (sweet bay)
Ligustrum sp.
L. ovalifolium Hassk. (California privet)
Magnolia grandiflora L. (magnolia)
M. virginiana L. (sweet bay)
mangrove (*Rhizophora* sp.)
oak (*Quercus* sp.)
Olea europaea L. (olive)
olive (*Olea europaea* L.)
orchid (*Cattleya mossiae* 'Oliver Lines'; *Epidendrum* sp.; *Laelia anceps* var. *alba* Reichb. f.)
Osmanthus sp.
palm, cabbage (*Sabal palmetto* (Walt.) Lodd.)
palm, sago- (*Cycas revoluta* Thunb.)
palmetto, saw (*Serenoa repens* (Bartr.) Small)
Pandanus sp. (screwpine)
Persea sp. (red or swamp bay)
P. americana Mill. (avocado)
Pieris phillyreifolius (Hook.) DC.
pine, longleaf (*Pinus palustris* Mill.)
pine, Norfolk Island (*Araucaria excelsa* R. Br.)
pine, sand (*Pinus clausa* (Chapm.) Vasey)
pine, scrub (*Pinus clausa* (Chapm.) Vasey)
pine, slash (*Pinus elliottii* Engelm.)
Pinus clausa (Chapm.) Vasey (scrub or sand pine)
P. elliottii Engelm. (slash pine)
P. palustris Mill. (longleaf pine)
Polemonium caeruleum L. (Jacob's ladder)
privet, California (*Ligustrum ovalifolium* Hassk.)
Quercus sp. (oak)
Rhizophora sp. (mangrove)
Rhododendron sp. (azalea)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
screwpine (*Pandanus* sp.)
Serenoa repens (Bartr.) Small (saw palmetto)
Smilax sp. (bamboo brier)
sparkleberry (*Vaccinium* sp.)
strawberry bush (*Euonymus* sp.)
sweet bay (*Laurus nobilis* L.)
taro (*Colocasia* sp.)
Thuja sp.
titi, white (*Cyrtilla racemiflora* L.)
Torreya taxifolia Arn. (stinking cedar)
Tsuga sp. (hemlock)
Vaccinium sp. (blueberry; sparkleberry)
Xolisma ferruginea (Walt.) Heller
Yucca sp.
yaupon (*Ilex vomitoria* Ait.)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (coontie; comptie; seminole bread)
Z. umbrosa Small (see *Zamia floridana* DC.)

ANDASPIS HAWAIIENSIS (MASKELL) —
Hawaiian scale

beauty-berry (*Callicarpa americana* L.)

Callicarpa americana L. (beauty-berry)
Calluna sp. (heather)
Carya sp. (hickory)
Cassia fistula L. (golden shower tree; pudding pipe tree)
crape-myrtle (*Lagerstroemia indica* L.)
Diospyros sp. (wild persimmon)
golden shower tree (*Cassia fistula* L.)
Harpullia sp. (tulip wood)
heather (*Calluna* sp.)
henna (*Lawsonia* sp.)
hickory (*Carya* sp.)
Lagerstroemia indica L. (crape-myrtle)
Lawsonia sp. (henna)
Litchi chinensis Sonner (lychee)
lychee (*Litchi chinensis* Sonner)
Nyssa sylvatica Marsh. (tupelo gum)
persimmon, wild (*Diospyros* sp.)
pudding pipe tree (*Cassia fistula* L.)
tulip wood (*Harpullia* sp.)
tupelo gum (*Nyssa sylvatica* Marsh.)

ANDASPIS MACKIEANA (McKENZIE) —
Mackie scale

orchid (*Dendrobium* sp.)
Dendrobium sp. (orchid)

AONIDIA ATLANTICA FERRIS — juniper needle scale

cedar, red (*Juniperus* sp.)
juniper (*Juniperus* sp.)
Juniperus sp. (juniper; red cedar)

AONIDIELLA AURANTII (MASKELL) — California red scale

Ardisia sp. (ardisia)
A. crenata Sims
Citrus limon Burm. f. (lemon)
C. paradisi Macf. (grapefruit)
C. sinensis Osbeck (sweet orange), 'Jaffa' (Jaffa orange)
Cocculus sp. (snailseed)
C. laurifolius DC. (snail shield)
coontie (*Zamia floridana* DC.)
cycad (*Cycas* sp.; *C. revoluta* Thunb.)
Cycas sp. (cycad)
C. revoluta Thunb. (cycad; sago-palm)
Elaeagnus fruitlandi Berck.
Ficus carica L. (common fig)
fig, common (*Ficus carica* L.)
grapefruit (*Citrus paradisi* Macf.)
Hedera helix L. (English ivy)
Hevea brasiliensis Muell. Arg. (para rubber tree)
ivy, English (*Hedera helix* L.)
lemon (*Citrus limon* Burm. f.)
Ligustrum lucidum Ait. (ligustrum; shining privet)
Olea sp. (olive)
olive (*Olea* sp.)

orange, Jaffa (*Citrus sinensis* Osbeck 'Jaffa')
 orange, sweet (*Citrus sinensis* Osbeck)
 palm, sago (*Cycas revoluta* Thunb.)
 privet, shining (*Ligustrum lucidum* Ait.)
 rubbertree, para (*Hevea brasiliensis* Muell. Arg.)
 snailseed (*Cocculus* sp.)
 snail shield (*Cocculus laurifolius* DC.)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (coontie)

AONIDIELLA CITRINA (COQUILLET) —
 yellow scale

Arabian-tea (*Catha edulis* Forsk.)
 beargrass (*Yucca* sp.)
 bird-of-paradise (*Strelitzia reginae* Banks)
 cafta (*Catha edulis* Forsk.)
 calamondin (*Citrus mitis* Blanco)
Camellia sinensis (L.) Kuntze (tea plant)
Carrisa sp. (carrisa; karanda; hedgethorn)
C. grandiflora A. DC. (natal plum)
 carrizo citrange (*Poncirus trifoliata* (L.) Raf. x
Citrus sinensis (L.) Osbeck)
Catha edulis Forsk. (cafta; Arabian-tea; khat)
 citron (*Citrus medica* L.)
Citrus aurantifolia (Swingle) Christm. (Key
 lime)
C. aurantium L. (sour orange)
C. limon Burm. f. (lemon)
C. limon (L.) Burm. 'Meyer' (Meyer lemon)
C. medica L. (citron)
C. mitis Blanco (calamondin)
C. paradisi Macf. (grapefruit)
C. reticulata Blanco (tangerine), 'Unshiu'
 (satsuma)
C. reticulata Blanco x *C. paradisi* Macf. (tangelo)
C. reticulata Blanco x *C. sinensis* (L.) Osbeck
 'Murcott' (tangor)
C. sinensis Osbeck (sweet orange)
Clematis sp. (virgins-bower)
 crape-myrtle (*Lagerstroemia indica* L.)
Euonymus sp.
Fatsia japonica (Thunb.) Deene & Planch.
Ficus sp. (fig; rubber-plant)
 fig (*Ficus* sp.)
Fortunella sp. (kumquat)
 grapefruit (*Citrus paradisi* Macf.)
Hedera sp. (ivy)
H. helix L. (English ivy)
 hedgethorn (*Carissa* sp.)
 holly, Burford (*Ilex cornuta* Lindl. & Paxton
 'Burfordii')
Ilex cornuta Lindl. & Paxton
I. cornuta Lindl. & Paxton 'Burfordii' (Burford
 holly)
 ivy (*Hedera* sp.)
 ivy, English (*Hedera helix* L.)
 karanda (*Carissa* sp.)
 khat (*Catha edulis* Forsk.)
 kopsia (*Ochrosia elliptica* LaBill.)
 kumquat (*Fortunella* sp.)

Lagerstroemia indica L. (crape-myrtle)
 lemon (*Citrus limon* Burm. f.)
 lemon, Meyer (*Citrus limon* (L.) Burm. 'Meyer')
 ligustrum (*Ligustrum lucidum* Ait.)
 ligustrum, waxleaf (*Ligustrum japonicum*
 Thunb.)
Ligustrum sp. (privet)
L. japonicum Thunb. (waxleaf ligustrum; wax
 privet)
L. lucidum Ait. (ligustrum)
 lime, Key (*Citrus aurantifolia* (Swingle)
 Christm.)
Magnolia sp.
 natal plum (*Carissa grandiflora* A. DC.)
Ochrosia elliptica LaBill. (kopsia)
 orange, sour (*Citrus aurantium* L.)
 orange, sweet (*Citrus sinensis* Osbeck)
 orange, trifoliolate (*Poncirus trifoliata* (L.) Raf.)
Poncirus trifoliata (L.) Raf. (trifoliolate orange)
P. trifoliata (L.) Raf. x *Citrus sinensis* (L.) Osbeck
 (carrizo citrange)
 privet (*Ligustrum* sp.)
 privet, wax (*Ligustrum japonicum* Thunb.)
 rubber-plant (*Ficus* sp.)
 satsuma (*Citrus reticulata* Blanco 'Unshiu')
Strelitzia reginae Banks (bird-of-paradise)
 tangelo (*Citrus reticulata* Blanco x *C. paradisi*
 Macf.)
 tangerine (*Citrus reticulata* Blanco)
 tangor (*Citrus reticulata* Blanco x *C. sinensis*
 (L.) Osbeck 'Murcott')
 tea (*Camellia sinensis* (L.) Kuntze)
Viburnum sp.
V. lantana L. 'Mohican' (wayfaring tree)
V. suspensum Lindl.
 virginsbower (*Clematis* sp.)
 wayfaring tree (*Viburnum lantana* L. 'Mohican')
Yucca sp. (beargrass)

AONIDIELLA ORIENTALIS (NEWSTEAD) —
 oriental scale

Acacia sp. (acacia)
Adansonia digitata L. (baobab)
Adonia merrilli Becc. (see *Veitchia merrillii*
 (Becc.) Moore)
Annona sp.
A. diversifolia Safford (ilama)
A. glabra L. (alligator apple; pond apple)
A. squamosa L. (sugar apple; sweetsop)
 apple, alligator (*Annona glabra* L.)
 apple, pond (*Annona glabra* L.)
 apple, sugar (*Annona squamosa* L.)
 araticu (*Rollinia emarginata* Schlecht.)
Archontophoenix cunninghamiana (F. Muell.)
 Wendl. & Drude (king palm)
Asimina sp. (papaw)
 asparagus, sprenger (*Asparagus sprengeri* Regel)
Asparagus sprengeri Regel (sprenger asparagus)
 avocado (*Persea americana* Mill.)
 banana (*Musa* sp.)

- baobab (*Adansonia digitata* L.)
Barringtonia sp. (barringtonia)
 bay (*Persea* sp.)
 bay, bull (*Magnolia grandiflora* L.)
 beargrass (*Yucca* sp.)
 beautyleaf (*Calophyllum* sp.)
Belamcanda chinensis (L.) DC. (blackberry lilly)
 bird-of-paradise (*Strelitzia nicolai* R. & K.; *S. reginae* Banks)
 biriba (*Rollinia emarginata* Schlecht.)
 bottlebrush (*Callistemon* sp.)
 cachiman (*Rollinia emarginata* Schlecht.)
 cactus
Callistemon sp. (bottlebrush)
Calophyllum sp. (beautyleaf)
Camellia sinensis (L.) Kuntze (tea)
Canna sp. (canna)
Carissa sp. (hedgethorn; karanda)
C. grandiflora A. DC. (natal plum)
 carnation (*Dianthus* sp.)
Casimiroa sp. (white sapote)
Cassia sp. (golden shower tree; senna)
 castorbean (*Ricinus communis* L.)
Casuarina sp. (Australian pine)
Catha edulis Forsk. (khat)
Cecropia sp. (snakewood; trumpet tree; pump-wood)
Cestrum sp. (jessamine)
Chamaerops humilis L. (European fan palm)
 chinaberry (*Melia azedarach* L.)
 Christ-thorn (*Paliurus spina-christi* Mill.)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Cocculus laurifolius DC. (snailseed)
Cocos nucifera L. (coconut palm)
Codiaeum sp. (croton)
 comptie (*Zamia integrifolia* Ait.)
 coontie (*Zamia integrifolia* Ait.)
Copernicia glabrescens H. Wendland (petticoat palm)
 coral bean (*Erythrina* sp.)
 croton (*Codiaeum* sp.)
 cycad (*Cycas circinalis* Linn.)
Cycas circinalis Linn. (cycad)
C. revoluta Thunb. (sago-palm)
 daisy (*Gerbera* sp.)
Dianthus sp. (carnation)
Diospyros sp. (persimmon)
Elaeagnus pungens Thunb. (elaegnus)
Erythrina sp. (coral bean)
Eucalyptus sp. (eucalyptus)
Euphorbia sp. (milk tree)
E. pulcherrima Willd. (poinsettia)
Fatshedera sp. (fatshedera)
Fatsia sp. (fatsia)
Ficus sp. (rubber plant; fig)
F. carica L. (common fig)
 firethorn (*Pyracantha coccinea* Roem.)
 frangipani (*Plumeria* sp.)
Gerbera sp. (daisy)
 glory bush (*Tibouchina* sp.)
 golden shower tree (*Cassia* sp.)
 guava, common (*Psidium guajava* L.)
Hedera sp. (ivy)
H. helix L. (English ivy)
 hedgethorn (*Carissa* sp.)
Heliconia sp. (heliconia)
Hibiscus sp. (hibiscus)
 ilama (*Annona diversifolia* Safford)
 ivy (*Hedera* sp.)
 ivy, English (*Hedera helix* L.)
Ixora sp. (ixora)
 jessamine (*Cestrum* sp.)
 jessamine, crape (*Tabernaemontana* sp.)
 karanda (*Carissa* sp.)
 khat (*Catha edulis* Forsk.)
Lilium sp. (lily)
 lily (*Lilium* sp.)
 lily, blackberry (*Belamcanda chinensis* DC.)
Magnolia grandiflora L. (bull bay)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
Melia azedarach L. (chinaberry)
 milk tree (*Euphorbia* sp.)
Musa sp. (banana)
 natal plum (*Carissa grandiflora* A.DC.)
Nerium oleander L. (oleander)
Odontoglossum sp. (orchid)
Olea sp. (olive)
 oleander (*Nerium oleander* L.)
 olive (*Olea* sp.)
Orania sp. (palm)
 orchid (*Odontoglossum* sp.)
Paliurus spina-christi Mill. (Christ-thorn)
 palms:
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
 Christmas (*Veitchia merrillii* (Becc.) Moore)
 coconut (*Cocos nucifera* L.)
 date (*Phoenix dactyliferae* L.)
 European fan (*Chamaerops humilis* L.)
 king, piccabeen (*Archonotophoenix cunninghamiana* (Wendl.) Wendl. & Drude)
 Manila (*Veitchia merrillii* (Becc.) Moore)
 Orania sp.
 petticoat (*Copernicia glabrescens* H. Wendland)
 Phoenix sp.
 sago- (*Cycas revoluta* Thunb.)
 papaw or pawpaw (*Asimina* sp.)
 Persea sp. (bay)
 P. americana Mill. (avocado)
 persimmon (*Diospyros* sp.)
 Phoenix sp. (palm)
 P. dactyliferae L. (date palm)
 pine, Australian (*Casuarina* sp.)
 Plumeria sp. (frangipani)
 poinsettia (*Euphorbia pulcherrima* Willd.)
 Psidium guajava L. (common guava)

pumpwood (*Cecropia* sp.)
Pyracantha coccinea Roem. (firethorn)
Ricinus communis L. (castorbean)
Rollinia emarginata Schlecht. (biriba; araticu; cachiman)
Rosa sp. (rose)
 rose (*Rosa* sp.)
 rubber plant (*Ficus* sp.)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
 sapote, white (*Casimiroa* sp.)
 senna (*Cassia* sp.)
Sesuvium sp. (sea purslane sesuvium)
 shower tree (*Cassia* sp.)
 snailseed (*Cocculus laurifolius* DC.)
 snakewood (*Cecropia* sp.)
 sterculia (*Sterculia alata**)
*Sterculia alata** (sterculia)
Strelitzia nicolai R. & K. (bird-of-paradise)
S. reginae Banks (bird-of-paradise)
 sweetsop (*Annona squamosa* L.)
Tabernaemontana sp. (crape jessamine)
 tea (*Camellia sinensis* (L.) Kuntze)
Tibouchina sp. (glory bush)
 trumpet tree (*Cecropia* sp.)
Veitchia merrillii (Becc.) Moore (Manila palm; Christmas palm)
Yucca sp. (beargrass)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (coontie; comptie; seminoe bread)

AONIDIELLA TAXUS LEONARDI — Asiatic red scale

Annona sp.
Podocarpus sp. (podocarpus; yew)
P. macrophylla Don (podocarpus)
P. macrophylla D. Don 'Maki'
 yew (*Podocarpus* sp.)

AONIDOMYTILUS ALBUS (COCKERELL) — cassava scale

cassava (*Manihot* sp.)
Manihot sp. (cassava)
 sage (*Salvia* sp.)
Salvia sp. (sage)
Sida carpinifolia L. f. (tea weed)
S. rubromarginata Nash
 sweet turnera (*Turnera ulmifolia* L.)
Turnera ulmifolia L. (sweet turnera)
Waltheria americana L.)
 weed, tea (*Sida carpinifolia* L. f.)

AONIDOMYTILUS HYPERICI FERRIS — hypericum scale

Ascyrum hypericoides L. (St. Andrew's cross)
Hypericum sp. (St. Johnswort)
 St. Andrew's cross (*Ascyrum hypericoides* L.)
 St. Johnswort (*Hypericum* sp.)

AONIDOMYTILUS MULTIGLANDULATUS
KOSZTARAB — St. Johnswort scale

Hypericum sp.

AONIDOMYTILUS SOLIDAGINIS (HOKE) — goldenrod scale

Ambrosia sp. (ragweed)
Baccharis halimifolia L. (groundsel; glades myrtle)
 dog-fennel (*Eupatorium capillifolium* (Lam.) Small; *E. compositifolium* Walt.)
Eupatorium capillifolium (Lam.) Small (dog-fennel)
E. compositifolium Walt. (dog-fennel)
 goldenrod (*Solidago* sp.)
 groundsel (*Baccharis halimifolia* L.)
Iva imbricata Walt.
 milkwort (*Polygala rugelii* Shuttlw.)
 myrtle, glades (*Baccharis halimifolia* L.)
Polygala rugelii Shuttlw. (milkwort)
 queen's-roots (*Stillingia angustifolia* (Torr.) S. Watts.)
 ragweed (*Ambrosia* sp.)
Solidago sp. (goldenrod)
Stillingia angustifolia (Torr.) S. Watts (queen's-roots)
S. spathulata (Muell. Arg.) Small

ASPIDIELLA SACCHARI (COCKERELL) — sugarcane scale

almond, tropical (*Terminalia catappa* L.)
Andropogon sp. (bluestem grass)
Asparagus sprengeri Regel
Brachiaria plantaginea (Link) Hitchc. (signal grass)
Cenchrus sp. (sandburr; sandspur)
Citrus aurantium L. (sour orange)
Cynodon dactylon L. (Bermuda grass)
Cyperus sp.
C. alternifolius L. (umbrella plant)
C. esculentus L. (chufa nut grass)
Digitaria sanguinalis (L.) Scop. (hairy crab grass)
Eleusine indica (L.) Gaertn. (goose grass)
Eremochloa ophiuroides (Munro) Hack. (centipede grass)
 flax, New Zealand (*Phormium tenax* Forst.)
 grass:
 bahia (*Paspalum notatum* Flugge)
 Bermuda (*Cynodon dactylon* L.)
 bluestem (*Andropogon* sp.)
 centipede (*Eremochloa ophiuroides* (Munro) Hack.)
 chufa nut (*Cyperus esculentus* L.)
 goose (*Eleusine indica* (L.) Gaertn.)
 hairy crab (*Digitaria sanguinalis* (L.) Scop.)
 maidencane (*Panicum hemitomon* Schult.)
 napier (*Pennisetum purpureum* Schumach.)

*Authority for genus and species could not be found.

- natal (*Rynchelytrum roseum* (Nees) Stapf & Hubb.)
 para (*Panicum purpurascens* Raddi)
 St. Augustine (*Stenotaphrum secundatum* (Walt.) Kuntze)
 sugarcane (*Saccharum* sp.)
 torpedo (*Panicum repens* L.)
 witch (*Panicum rhizomatum* Hitchc. and Chase)
Iris sp.
Mariscus jamaicensis (Crantz) Britton (sawgrass)
 sawgrass (*Mariscus jamaicensis* (Crantz) Britton)
 orange, sour (*Citrus aurantium* L.)
 palm, dwarf date (*Phoenix roebelenii* O'Brien)
Panicum adspersum Trin.
Panicum hemitomon Schult. (maidencane grass)
Panicum purpurascens Raddi (para grass)
Panicum repens L. (torpedo grass)
Panicum rhizomatum Hitchc. & Chase (witch grass)
Pennisetum purpureum Schumach. (napier grass)
Phoenix roebelenii O'Brien (dwarf date palm)
Phormium tenax Forst. (New Zealand flax)
Rynchelytrum roseum (Nees) Stapf & Hubb. (natal-grass)
Saccharum sp. (sugarcane grass)
 sandburr (*Cenchrus* sp.)
 sandspur (*Cenchrus* sp.)
 signal grass (*Brachiaria plantaginea* (Link) Hitchc.)
Stenotaphrum secundatum (Walt.) Kuntze (St. Augustine grass)
Terminalia catappa L. (tropical almond)
Tradescantia fluminensis Vell. 'Albovittata' (variegated wandering jew)
 umbrella plant (*Cyperus alternifolius* L.)
 wandering jew, variegated (*Tradescantia fluminensis* Vell. 'Albovittata')
- common custard (*Annona reticulata* L.)
 Jamaica (*Annona reticulata* L.)
 mamey (*Mammea americana* L.)
 pond (*Annona glabra* L.)
 sugar (*Annona squamosa* L.)
Archontophoenix alexandrae (F. Muell.) Wendl. & Drude (king palm)
Ardisia sp.
Arecastrum romanzoffianum Becc. (queen palm)
 arnotto (*Bixa orellana* L.)
 arrowroot (*Maranta* sp.)
Artabotrys sp. (false ylang-ylang)
A. uncinatus (Lam.) Merr. (climbing ylang-ylang)
Artocarpus altilis Fosberg (breadfruit)
A. heterophyllum Lam. (jakfruit; jackfruit)
 Asian shrub (*Sarcococca ruscifolia* Stapf)
 asparagus, sprenger (*Asparagus sprengeri* Regel)
Asparagus sprengeri Regel (sprenger asparagus)
 avocado (*Persea americana* Mill.)
 banana (*Musa* sp.)
 bay, shore (*Persea littoralis* Small)
 beautyleaf (*Calophyllum antillanum* Britt.)
Belamcanda chinensis (L.) DC. (blackberry lily)
 bird-of-paradise (*Strelitzia reginae* Banks)
Bischofia sp. (bishopwood)
 bishopwood (*Bischofia* sp.)
Bixa orellana L. (annatto; arnotto; lipstick tree)
 bottlebrush (*Callistemon rigidus* R. Br.)
 bottle, willow (*Callistemon salignus* DC.)
Bourreria sp. (strongback)
 boxorange (*Severinia* sp.)
 boxwood (*Buxus* sp.)
Brassia sp. (orchid)
 breadfruit (*Artocarpus altilis* Fosberg)
 bullocksheart (*Annona reticulata* L.)
Bursera simaruba (L.) Sarg. (gumbo-limbo)
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
Buxus sp. (boxwood)
 cajeput (*Melaleuca leucadendron* L.)
 calaba (*Calophyllum antillanum* Britt.)
 calabash (*Crescentia cujete* L.)
Callistemon rigidus R. Br. (bottlebrush)
C. salignus DC. (willow bottlebrush)
Calophyllum antillanum Britt. (beautyleaf; calaba)
C. inophyllum L. (Indiapoon; maria)
Canna sp. (canna)
Capsicum frutescens L. (red pepper)
Carica papaya L. (papaya)
 carob (*Ceratonia siliqua* L.)
 cassia bark tree (*Cinnamomum cassia* Blume)
Catesbaea parviflora Sw. (lilythorn)
Catha edulis Forsk. (khat)
Ceratonia siliqua L. (carob; St. Johns-bread)
Chamaedorea elegans Mart. (palm)
Chamaerops humilis L. (European fan palm; hair palm)
 cherry, Australian brush (*Eugenia paniculata* Banks 'Compacta')
- ASPIDIOTUS DESTRUCTOR SIGNORET** —
 coconut scale
- Achras sapota* L. (sapodilla)
Acoelorrhapha wrightii (Griseb. & Wendl.) Wendl. & Becc. (Everglade palm)
Acorus gramineus Soland. (Japanese sweetflag)
Aglaonema sp. (aglaonema)
Allamanda sp. (allamanda)
 almond, tropical (*Terminalia catappa* L.; *T. mueleri* Benth)
Aneilema nudiflorus (L.) Kunth (aneilema)
 annatto (*Bixa orellana* L.)
Annona cherimola Mill. (cherimoya)
A. glabra L. (pond apple; alligator apple)
A. muricata L. (soursop; guanabana)
A. reticulata L. (common custard apple; bullocks-heart; Jamaica apple)
A. squamosa L. (sugar apple)
Anthurium sp. (anthurium)
 apple:
 alligator (*Annona glabra* L.)

- cherimoya (*Annona cherimola* Mill.)
 Chinese livistona (*Livistona chinensis* (Jacq.) R. Br.)
Chrysalidocarpus sp. (feather palm)
C. lutescens Wendl. (butterfly-palm; golden cane palm)
Chrysophyllum sp. (satinleaf)
Cinnamomum cassia Nees & Eberm. (cassia bark tree)
 clover, Mexican (*Richardia brasiliensis* (Moq.) Gomez)
Coccothrinax argentata (Jacq.) Bailey (palm)
Cochlospermum vitifolium Spreng. (yellowsilk shellseed)
Cocos nucifera L. (coconut palm)
C. nucifera L. 'Golden Malayan' (dwarf coconut)
Codiaeum sp. (croton)
Collinia elegans Liebm. (see *Chamaedorea elegans* Mart.)
Combretum erythrophyllum Sond.
Copernicia macroglossa H. Wendl. & Becc.
Cordia sebestena L. (geiger-tree)
Crescentia cujete L. (calabash)
 croton (*Codiaeum* sp.)
Cycas circinalis L. (cycad)
C. revoluta Thunb. (sago-palm)
Cyperus sp. (galingale)
 daisy, gerbera (*Gerbera* sp.)
Delonix regia Raf. (royal poinciana; peacock-flower; flamboyant)
Dictyosperma sp. (princess palm)
 dillenia, India (*Dillenia indica* L.)
Dillenia indica L. (India dillenia)
Diospyros sp. (persimmon)
 dogwood, Jamaica (*Piscidia piscipula* (L.) Sarg.)
Dolichandrone heterophylla F. Muell. (see *Spathodea heterophylla* R. Br.)
 elm, Chinese (*Ulmus parvifolia* Jacq.)
Eucalyptus sp. (eucalyptus)
Eugenia edulis Vell.
E. eucalyptoides F. Muell.
E. paniculata Banks 'Compacta' (Australian brush cherry)
Eulophia alta (L.) F. & R. (orchid)
Euonymus japonicus L. (spindle tree)
Euphorbia pulcherrima Willd. (poinsettia)
E. vermiculata Rap.
 fathead tree (*Nauclea esculenta* Merr.; *N. orientalis* L.)
Ficus pandurata Sander (fiddleleaf fig)
 fig, fiddleleaf (*Ficus pandurata* Sander)
 flamboyant (*Delonix regia* Raf.)
Forestiera porulosa (Mich.) Poir. (Florida privet)
 frangipani (*Plumeria* sp.)
 galingale (*Cyperus* sp.)
Garcinia mangostana L. (mangosteen)
 geiger-tree (*Cordia sebestena* L.)
 geranium, fish (*Pelargonium hortorum* Bailey)
Gerbera sp. (gerbera daisy)
 goatweed (*Scoparia dulcis* L.)
 grass, umbrella
Grevillea robusta Cunn. (silkoak)
 guanabana (*Annona muricata* L.)
 guava (*Psidium* sp.)
 gumbo-limbo (*Bursera simaruba* (L.) Sarg.)
Heliconia metallica Planch & Linden
 henna (*Lawsonia inermis* L.)
 honeysuckle (*Lonicera* sp.)
Howeia sp. (sentry palm)
Hyophorbe sp. (see *Mascarena* sp.)
 Indiapoon (*Calophyllum inophyllum* L.)
Jacaranda sp. (jacaranda)
 jackfruit (*Artocarpus heterophyllus* Lam.)
 jakfruit (*Artocarpus heterophyllus* Lam.)
 jasmine (*Jasminum multiflorum* Andr.)
 jasmine, pinwheel (*Jasminum gracillimum* Hook f.)
Jasminum gracillimum Hook. f. (pinwheel jasmine)
J. multiflorum Andr. (jasmine)
J. nitidum Skan.
J. pubescens Willd. (see *Jasminum multiflorum* Andr.)
 jessamine, orange (*Murraya paniculata* Jack)
Jubaea chilensis (Molina) Baillon
 kafir bean tree (*Schotia brachypetala* Sond.)
 khat (*Catha edulis* Forsk.)
 lancewood (*Nectandra coriacea* (SW.) Griseb.)
Lantania loddigessii Mart. (blue latan palm)
 laurestinus (*Viburnum tinus* L.)
Lawsonia sp. (mignonette-tree)
L. inermis Linn. (henna)
Lecythis ollaria L. (monkey-pot tree)
L. pisonis Cambess. (monkey-pot tree)
Ligustrum sp. (wax privet)
L. japonicum Thunb. (Japanese privet)
L. lucidum Ait. (ligustrum)
 lily, blackberry (*Belamcanda chinensis* (L.) DC.)
 lilythorn (*Catesbaea parviflora* Sw.)
 lipstick tree (*Bixa orellana* L.)
Liriodendron tulipifera L. (tulip tree)
Livistona chinensis (Jacq.) R. Br. (Chinese fan palm)
 lizard's tail (*Saururus cernuus* L.)
Lonicera sp. (honeysuckle)
Loxococcus rupicola H. Wendl. & Drude (palm)
Magnolia sp.
 mahogany (*Swietenia* sp.)
Mammea americana L. (mamey apple)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 mangosteen (*Garcinia mangostana* L.)
Maranta sp. (arrowroot)
 maria (*Calophyllum inophyllum* L.)
Mascarena sp.
Mauritia sp. (palm)
Melaleuca ericifolia Smith (melaleuca)
M. leucadendra L. (cajeput)
 mignonette-tree (*Lawsonia* sp.)
Mimusops emarginata (L.) Britton (wild dilly)
 monkey-pot tree (*Lecythis pisonis* Cambess.; *L. ollaria* L.)

- Murraya exotica* L. (see *Murraya paniculata* Jack)
M. paniculata Jack (orange jessamine)
Musa sp. (banana)
M. coccinea Andr.
 myrtle (*Myrtus* sp.)
Myrtus sp. (myrtle)
Nauclea esculenta Merr. (fathead tree)
N. Orientalis L. (fathead tree)
Nectandra coriacea (Sw.) Griseb. (lancewood)
Neodypsis decaryi Jumelle (triangle palm)
Olea sp. (olive)
 olive (*Olea* sp.)
 orange, trifoliate (*Poncirus trifoliata* (L.) Raf.)
 orchid:
 Brassia sp.
 Eulophia alta (L.) F. & R.
 Phaius grandifolius Lour.
 Spathoglottis plicata Blume
 palms:
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 Canary Island date (*Phoenix canariensis* Chaub.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
 Chamaedorea elegans Mart.
 Chinese fan (*Livistona chinensis* (Jacq.) R. Br.)
 Coccothrinax argentata (Jacq.) Bailey
 coconut (*Cocos nucifera* L.)
 coconut, dwarf (*Cocos nucifera* L. 'Golden Malayan')
 Copernicia macroglossa Wendl. & Becc.
 dwarf date (*Phoenix roebelenii* O'Brien)
 European fan (*Chamaerops humilis* L.)
 Everglade (*Acoelorrhapha wrightii* (Griseb. & Wendl.) Wendl. & Becc.)
 feather (*Chrysalidocarpus* sp.)
 hair (*Chamaerops humilis* L.)
 Hyophorbe sp.
 jelly (*Butia capitata* (Mart.) Becc.)
 king (*Archontophoenix alexandrae* (F. Muell.) Wendl. & Drude)
 latan, blue (*Latania loddigesii* Martius)
 Loxococcus rupicola H. Wendl. & Drude
 Mauritia sp.
 Phytelephas macrocarpa Seem.
 pigmy date (*Phoenix roebelenii* O'Brien)
 pindo (*Butia capitata* (Mart.) Becc.)
 princess (*Dictyosperma* sp.)
 queen (*Arecastrum romanzoffianum* Becc.)
 Rhopaloblaste sp.
 royal (*Roystonea* sp.)
 Sabal sp.
 sago- (*Cycas revoluta* Thunb.)
 sentry (*Howea* sp.)
 traveler's (*Ravenala madagascariensis* Sonn.)
 triangle (*Neodypsis decaryi* Jumelle)
 Verschaffelti sp.
 Washingtonia sp.
 Pandanus utilis Bory (screwpine)
 P. veitchii Dall. (screwpine)
 papaya (*Carica papaya* L.)
 peacock-flower (*Delonix regia* Raf.)
 Pelargonium hortorum Bailey (fish geranium)
 Peltophorum sp.
 pepper, red (*Capsicum frutescens* L.)
 periwinkle (*Vinca* sp.)
 Persea americana Mill. (avocado)
 P. littoralis Small (shorebay)
 persimmon (*Diospyros* sp.)
 Phaius grandifolius Lour. (orchid)
 philodendron (*Philodendron verrucosum* Math.)
 Philodendron verrucosum Math. (philodendron)
 Phoenix canariensis Chaub. (Canary Island date palm)
 P. roebelenii O'Brien (dwarf date palm; pigmy date palm)
 Phytelephas macrocarpa Seem. (palm)
 Piscidia piscipula (L.) Sarg. (Jamaica dogwood)
 Plumeria sp. (frangipani)
 plum, jambolan (*Syzygium cumini* Skeels)
 poinciana, royal (*Delonix regia* Raf.)
 poinsettia (*Euphorbia pulcherrima* Willd.)
 pomegranate (*Punica granatum* L.)
 Poncirus trifoliata Raf. (trifoliate orange)
 privet:
 Florida (*Forestiera porulosa* (Mich.) Poir.)
 Japanese (*Ligustrum japonicum* Thunb.)
 wax (*Ligustrum* sp.)
 Psidium sp. (guava)
 Punica granatum L. (pomegranate)
 Radermachera sp.
 Ravenala madagascariensis Sonn. (traveler's palm)
 Rhopaloblaste sp. (palm)
 rice paper plant, Chinese (*Tetrapanax papyriferus* Koch)
 Richardia brasiliensis (Moq.) Gomez (Mexican clover)
 Rosa sp. (rose)
 rose (*Rosa* sp.)
 Roystonea sp. (royal palm)
 Sabal sp. (palmetto)
 Sabal palmetto (Walt.) Lodd. (cabbage palm)
 sandalwood, white (*Santalum album* L.)
 Santalum album L. (white sandalwood)
 sapodilla (*Achras sapota* L.)
 Sarcocca ruscifolia Stapf (Asian shrub)
 satinleaf (*Chrysophyllum* sp.)
 Saururus cernuus L. (lizard's tail)
 Schizolobium parahybum (Vell.) Blake
 Schotia brachypetala Sond. (kafir bean tree)
 Scoparia dulcis L. (goatweed; sweetbroom)
 screwpine (*Pandanus utilis* Bory.; *P. veitchii* Dall.)
 Securidaca longipedunculata Fresn.
 Severinia sp. (boxorange)
 shellseed, yellowsilk (*Cochlospermum vitifolium* Spreng.)

shorebay (*Persea littoralis* Small)
 silkoak (*Grevillea robusta* Cunn.)
 soursop (*Annona muricata* L.)
Spathodea heterophylla R. Br.
Spathoglottis plicata Blume (terrestrial orchid)
 spiderwort (*Tradescantia* sp.)
 spindle tree (*Euonymus japonicus* L.)
 St. Johns-bread (*Ceratonia siliqua* L.)
Strelitzia reginae Banks (bird-of-paradise)
 strongback (*Bourreria* sp.)
 sweetbroom (*Scoparia dulcis* L.)
 sweetflag, Japanese (*Acorus gramineus* Soland.)
Swietenia sp. (mahogany)
Syzygium cuminii Skeels (jambolan plum)
Tecoma ochracea Cham. (trumpet bush)
Terminalia catappa L. (almond)
T. mueleri Benth. (almond)
Tetrapanax papyriferus Koch (Chinese rice paper plant)
Tradescantia sp. (spiderwort)
 trumpet bush (*Tecoma ochracea* Cham.)
 tulip tree (*Liriodendron tulipifera* L.)
Ulmus sp. (elm)
U. parvifolia Jacq. (Chinese elm)
Verschaffeltia sp. (palm)
Viburnum sp.
V. tinus L. (laurestinus)
Vinca sp. (periwinkle)
Vitis vinifera L. (winegrape)
Washingtonia sp. (palm)
 wild dilly (*Mimusops emarginata* (L.) Britton)
 winegrape (*Vitis vinifera* L.)
 ylang-ylang, climbing (*Artabotrys uncinatus* (Lam.) Merr.)
 ylang-ylang, false (*Artabotrys* sp.)

ASPIDIOTUS EXCISUS GREEN — aglaonema scale

Aglaonema commutatum Schott
A. modestum Schott
Bauhinia variegata L.
Citrus aurantifolia (Swingle) Christm. (lime; Key lime)
C. limon Burm. f. (lemon)
C. sinensis Osbeck (sweet orange)
Clerodendron inerme Gaertn.
Cocos nucifera L. (coconut)
Cyanotis pilosa Schult. f.
Dieffenbachia sp.
Elephantopus mollis H. B. K.
Hoya carnosa R. Br. (wax plant)
Ipomoea sp.
Lonicera sp.
Musa sp. (banana)
Peperomia obtusifolia A. Dietr.

ASPIDIOTUS MARISCI TIPPINS & BESHEAR — sawgrass scale

Cladium jamaicensis Crantz. (sawgrass)

sawgrass (*Cladium jamaicensis* Crantz.)

ASPIDIOTUS NERII (BOUCHÉ) — oleander scale

Aleurites fordii Hemsl. (tung oil tree)
Annona cherimola Mill. (cherimoya)
A. reticulata L. (Jamaica apple)
 apple, Jamaica (*Annona reticulata* L.)
Aristolochia sp. (birthwort)
Asparagus sprengeri Regel (sprenger fern)
Aucuba sp. (golddust plant)
 avocado (*Persea americana* Mill.)
 azalea (*Rhododendron* sp.)
 bay, bull (*Magnolia grandiflora* L.)
 bay, red (*Persea borbonia* (L.) Spreng.)
 bay, sweet (*Magnolia virginiana* L.)
 beauty berry (*Callicarpa americana* L.)
 bird-of-paradise (*Strelitzia reginae* Banks)
 birthwort (*Aristolochia* sp.)
 blueberry (*Vaccinium* sp.)
 boxwood (*Buxus* sp.)
Brunfelsia sp. (raintree)
 butchers broom (*Ruscus aculeatus* L.)
Buxus sp. (boxwood)
Callicarpa americana L. (beauty-berry)
 camellia (*Camellia japonica* L.)
Camellia japonica L. (camellia)
C. sasanqua Thunb.
C. sinensis (L.) Kuntze (tea plant)
 camphor tree (*Cinnamomum* sp.)
Campsis radicans (L.) Seem. (trumpet creeper)
Cassia sp. (senna)
 cedar, Eastern red (*Juniperus virginiana* L.)
 cedar, stinking (*Torreya taxifolia* Arn.)
Cercis sp. (red bud)
Cestrum sp. (jessamine)
 cherimoya (*Annona cherimola* Mill.)
 China ball tree*
 chinaberry (*Melia azedarach* L.)
Chionanthus virginicus L. (fringe-tree)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Cinnamomum sp. (camphor tree)
Citrus limon Burm. f. (lemon)
Coccoloba diversifolia Jacq. (pigeon seagrape; pigeon plum)
C. uvifera L. (seagrape)
Cocos nucifera L. (coconut palm)
 comptie (*Zamia integrifolia* Ait.)
 coral plant nettlespurge (*Jatropha multifida* L.)
Cornus sp. (dogwood)
Cycas circinalis L. (cycad)
C. revoluta Thunb. (sago-palm)
Diospyros sp. (persimmon)
 dogwood (*Cornus* sp.)
Elaeagnus pungens Thunb. (elaeanus)
 fern, sprenger (*Asparagus sprengeri* Regel)
Ficus retusa L.
 fringe-tree (*Chionanthus virginica* L.)
Grevillea sp. (silkoak)
 golddust plant (*Aucuba* sp.)

*Scientific name could not be verified.

- Hedera* sp. (ivy)
H. helix L. (English ivy)
Hibiscus sp.
 holly (*Ilex* sp.)
 holly, Chinese (*Ilex cornuta* Lindl. & Paxton)
Ilex sp. (holly)
I. cornuta Lindl. & Paxton (Chinese holly)
I. crenata Thunb. 'Convexa'
 ivy (*Hedera* sp.)
 ivy, English (*Hedera helix* L.)
 jasmine (*Jasminum* (*Primulinum*) *mesnyi* Hance)
Jasminum (*Primulinum*) *mesnyi* Hance (jasmine)
Jatropha multifida L. (coral plant nettlespurge)
 jessamine (*Cestrum* sp.)
Juniperus virginiana L. (Eastern red cedar)
 kudzu vine (*Pueraria* sp.)
 laurel (*Laurus* sp.)
Laurus sp. (laurel)
 lemon (*Citrus limon* Burm. f.)
Ligustrum sp. (privet; ligustrum)
L. lucidum Ait. (ligustrum)
Livistona sp. (Chinese fan palm)
Magnolia grandiflora L. (bull bay)
M. virginiana L. (sweet bay)
Mangifera indica L. (mango)
Melia azedarach L. (chinaberry)
Nerium oleander L. (oleander)
 nettlespurge, coral plant (*Jatropha multifida* L.)
Nolana sp.
Ochrocarpos africanus Oliver
Olea sp. (olive)
 oleander (*Nerium oleander* L.)
 olive (*Olea* sp.)
 olive, sweet (*Osmanthus fragrans* Lour.)
 orchids
Osmanthus fragrans Lour. (sweet olive; tea olive)
 olive)
 palms:
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 Canary Island date (*Phoenix canariensis* Chaub.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
 coconut (*Cocos nucifera* L.)
 dwarf date (*Phoenix roebelenii* O'Brien)
 fan, Chinese (*Livistona* sp.)
 pigmy date (*Phoenix roebelenii* O'Brien)
 sago- (*Cycas revoluta* Thunb.)
 senegal date (*Phoenix reclinata* Jacq.)
 Washingtonia sp.
 periwinkle (*Vinca major* L.)
Persea americana Mill. (avocado)
P. borbonia (L.) Spreng. (red bay)
 persimmon (*Diospyros* sp.)
Phoenix canariensis Chaub. (Canary Island date palm)
P. reclinata Jacq. (senegal date palm)
P. roebelenii O'Brien (pigmy date palm; dwarf date palm)
Phytolacca sp. (pokeberry; pokeweed)
Platanus sp. (sycamore tree)
Plectronia odorata Benth. & Hook. f.
 plum, pigeon (*Coccoloba diversifolia* Jacq.)
 pokeberry (*Phytolacca* sp.)
 pokeweed (*Phytolacca* sp.)
 privet (*Ligustrum* sp.)
Pueraria sp. (kudzu vine)
 raintree (*Brunfelsia* sp.)
 red bud (*Cercis* sp.)
Rhododendron sp. (azalea)
Rosa sp. (rose)
 rose (*Rosa* sp.)
Ruscus aculeatus L. (butcher's broom)
Sabal sp. (palmetto)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
 seagrape (*Coccoloba uvifera* L.)
 seagrape, pigeon (*Coccoloba diversifolia* Jacq.)
 senna (*Cassia* sp.)
 silkoak (*Grevillea* sp.)
 Spanish bayonet (*Yucca aloifolia* L.)
Strelitzia reginae Banks (bird-of-paradise)
 sycamore tree (*Platanus* sp.)
 tea plant (*Camellia sinensis* (L.) Kuntze)
Torreya taxifolia Arn. (stinking cedar)
 trumpet creeper (*Campsis radicans* (L.) Seem.)
 tung oil tree (*Aleurites fordii* Hemsl.)
Vaccinium sp. (blueberry)
Verbena sp.
Viburnum sp.
V. odoratissimum Ker
Vinca major L. (periwinkle)
Washingtonia sp. (palm)
Yucca sp.
Y. aloifolia L. (Spanish bayonet)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (comptie)
- ASPIDIOTUS SPINOSUS COMSTOCK** — spinose scale
Acer sp. (maple)
 Adams needle (*Yucca filamentosa* L.)
Aleurites fordii Hemsl. (China wood oil tree; tung oil tree)
 aloe (*Aloe* sp.)
Anthericum liliago L. (St. Bernard lily)
 apple (*Malus* sp.)
Aralia sp.
Arenga pinnata (Wurmb) Merr. (palm)
Asparagus plumosus Baker (asparagus fern)
 asparagus, sprenger (*Asparagus sprengeri* Regel)
Asparagus sprengeri Regel (sprenger asparagus)
 avocado (*Persea americana* Mill.)
 azalea (*Rhododendron* sp.)
Bauhinia sp. (mountain ebony; jupiter tree; Florida orchid-tree)
B. variegata L. (Florida orchid-tree)

- bay, red (*Persea* sp.)
 bay, swamp (*Persea* sp.)
Beaucarnea recurvata Lem.
 beefwood, scalybark (*Casuarina lepidophloia* F.V.M.)
 bird-of-paradise (*Strelitzia* sp.)
 blackberry (*Rubus* sp.)
 blueberry (*Vaccinium* sp.)
 cactus
Camellia japonica L.
 camphor tree (*Cinnamomum camphora* (L.) Nees & Eberm.)
 candletree (*Parmentiera edulis* DC.)
Capsicum sp. (wild red pepper)
Caryota sp. (fishtail palm)
 cassia bark tree (*Cinnamomum cassia* Nees & Eberm.)
Castanopsis sp. (evergreen chinquapin)
Casuarina lepidophloia F.V.M. (Australian pine; scalybark beefwood)
 ceriman (*Monstera deliciosa* Liebm.)
 chastetree, five-leaf (*Vitex quinata* (Lour.) F.N.Wilms.)
 China wood oil tree (*Aleurites fordii* Hemsl.)
 chinquapin, evergreen (*Castanopsis* sp.)
Cinnamomum camphora (L.) Nees & Eberm. (camphor tree)
C. cassia Nees & Eberm. (cassia bark tree)
C. zeylanicum Blume (cinnamon)
 cinnamon (*Cinnamomum zeylanicum* Blume)
Cocos sp. (palm)
Codiaeum sp. (croton)
 comptie (*Zamia integrifolia* Ait.)
 coontie (*Zamia integrifolia* Ait.)
Cornus sp. (dogwood)
Crataegus sp. (haw)
 croton (*Codiaeum* sp.)
Cunninghamia sp.
Cycas revoluta Thunb. (sago-palm)
Dictyosperma sp. (princess palm)
Dillenia sp. (India dillenia; catmon dillenia)
 dillenia, catmon (*Dillenia* sp.)
 dillenia, India (*Dillenia* sp.)
 dogwood (*Cornus* sp.)
Dracaena sp. (dracena)
 elderberry (*Sambucus* sp.)
Eriobotrya japonica Thunb. (loquat)
Euonymus japonicus L. (spindle tree)
 fern, asparagus (*Asparagus plumosus* Baker)
Ficus carica L. (common fig)
 fig, common (*Ficus carica* L.)
 flame vine, Mexican (*Senecio confusus* Britt.)
 grass, bear (*Yucca filamentosa* L.)
 haw (*Crataegus* sp.)
Hedera sp. (ivy)
 henna (*Lawsonia inermis* L.)
 holly, American (*Ilex opaca* Ait.)
 holly, dahoon (*Ilex cassine* L.)
 honeysuckle (*Lonicera* sp.)
Ilex cassine L. (dahoon holly)
I. opaca Ait. (American holly)
 ivy (*Hedera* sp.)
 jupiter tree (*Bauhinia* sp.)
Lawsonia inermis L. (mignonette-tree; henna)
Ligustrum sp. (ligustrum; privet)
 lily, St. Bernard (*Anthericum liliago* L.)
 locust, everflowering (*Robinia pseudoacacia* L.)
Lonicera sp. (honeysuckle)
 loquat (*Eriobotrya japonica* Thunb.)
 luckynut (*Thevetia peruviana* Schum.)
Magnolia sp.
Malus sp. (apple)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 maple (*Acer* sp.)
 mastic (*Sideroxylon* sp.)
 mignonette-tree (*Lawsonia inermis* L.)
 milkwort (*Polygala rugelii* Shuttlw.)
 monstera (*Monstera deliciosa* Liebm.)
 mountain ebony (*Bauhinia* sp.)
Myrica cerifera L. (wax myrtle)
 myrtle (*Myrtus* sp.)
 myrtle, wax (*Myrica cerifera* L.)
Myrtus sp.
 oleander, yellow (*Thevetia peruviana* Schum.)
 orchid-tree, Florida (*Bauhinia variegata* L.)
 palms:
 Arenga pinnata (Wurmb) Merr.
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 Cocos sp.
 date (*Phoenix* sp.)
 dwarf date (*Phoenix roebelenii* O'Brien)
 fishtail (*Caryota* sp.)
 India date (*Phoenix sylvestris* (L.) Roxbg.)
 lady- (*Rhapis* sp.)
 pigmy date (*Phoenix roebelenii* O'Brien)
 princess (*Dictyosperma* sp.)
 royal (*Roystonea* sp.)
 sago- (*Cycas revoluta* Thunb.)
 senegal date (*Phoenix reclinata* Jacq.)
 wild date (*Phoenix sylvestris* (L.) Roxbg.)
Pandanus sp. (screwpine)
Parmentiera edulis DC. (candlelight tree; candle-tree)
 pepper, wild red (*Capsicum* sp.)
Persea sp. (swamp bay; red bay)
P. americana Mill. (avocado)
Phoenix sp. (date palm)
P. reclinata Jacq. (senegal date palm)
P. roebelenii O'Brien (dwarf date palm; pigmy date palm)
P. sylvestris (L.) Roxbg. (India date palm; wild date palm)
 pine, Australian (*Casuarina lepidophloia* F.V.M.)
Polygala rugelii Shuttlw. (milkwort)
 privet (*Ligustrum* sp.)
 raspberry (*Rubus* sp.)
Rhaphiolepis sp. (India hawthorn)

Rhapis sp. (lady-palm)
Rhododendron sp. (azalea)
Robinia pseudoacacia L. (everflowering locust)
Rosa sp. (rose)
Roystonea sp. (royal palm)
Rubus sp. (blackberry; raspberry)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
Salix sp. (willow)
Sambucus sp. (elderberry)
screwpine (*Pandanus* sp.)
seminole bread (*Zamia* sp.)
Senecio confusus Britt. (Mexican flame vine)
Sideroxylon sp. (mastic)
snowbell, big-leaf (*Styrax grandifolia* Ait.)
Spanish bayonet (*Yucca aloifolia* L.)
Spanish dagger (*Yucca gloriosa* L.)
spindle tree (*Euonymus japonicus* L.)
storax (*Styrax grandifolia* Ait.)
Strelitzia sp. (bird-of-paradise)
Styrax grandifolia Ait. (big-leaf snowbell; storax)
Taxus sp. (yew)
Thevetia peruviana Schum. (luckynut; yellow oleander)
tung oil tree (*Aleurites fordii* Hemsl.)
Vaccinium sp. (blueberry)
Viburnum sp.
Vitex quinata (Lour.) F.N. Wilms. (five-leaf chastetree)
willow (*Salix* sp.)
yew (*Taxus* sp.)
Yucca aloifolia L. (Spanish bayonet)
Y. filamentosa L. (bear grass; Adams needle)
Y. gloriosa L. (Spanish dagger)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (comptie; coontie; seminole bread)

AULACASPIS ROSAE (BOUCHÉ) — rose scale

blackberry (*Rubus* sp.)
Chionanthus virginicus L. (fringe tree)
fringe tree (*Chionanthus virginicus* L.)
Geranium sp.
peach (*Prunus* sp.)
Prunus sp. (peach)
raspberry (*Rubus* sp.)
Rosa sp. (rose)
R. palustris Marsh. (swamp rose)
rose (*Rosa* sp.)
rose, swamp (*Rosa palustris* Marsh.)
Rubus sp. (raspberry; blackberry)
R. ursinus Cham. & Schlecht. (youngberry)
youngberry (*Rubus ursinus* Cham. & Schlecht.)

CARULASPIS JUNIPERI (BOUCHÉ) — juniper scale

juniper (*Juniperus* sp.)
Juniperus sp. (juniper)

CARULASPIS MINIMA (TARGIONI-TOZZETTI) — minute cypress scale

arborvitae (*Thuja orientalis* L.)
cedar (*Cedrus* sp.)
cedar, red (*Juniperus virginiana* L.)
Cedrus sp. (cedar)
Cryptomeria japonica D. Don
Cupressus arizonica Greene (rough-barked Arizona cypress)
C. sempervirens L. (Mediterranean cypress)
cypress, Mediterranean (*Cupressus sempervirens* L.)
cypress, rough-barked Arizona cypress (*Cupressus arizonica* Greene)
juniper, Andorra (*Juniperus horizontalis* Moench 'Plumosa')
juniper, Chinese (*Juniperus chinensis* L.)
juniper, common (*Juniperus communis* L.)
juniper, creeping (*Juniperus horizontalis* Moench)
juniper, Greek (*Juniperus excelsa stricta* Gord.)
juniper, Hollywood (*Juniperus chinensis* L. 'Torulosa')
juniper, Irish (*Juniperus communis hibernica* Gord.; *J. excelsa* Bieb. 'Stricta')
juniper, shore (*Juniperus conferta* Parl.)
Juniperus chinensis L. (Chinese juniper)
J. chinensis L. 'Hetzii'
J. chinensis L. 'San Jose'
J. chinensis L. 'Sylvestris'
J. chinensis L. 'Torulosa' (Hollywood juniper)
J. chinensis L. 'Variegata'
J. communis hibernica Gord. (Irish juniper)
J. communis L. (common juniper)
J. communis L. 'Stricta' (Irish juniper)
J. conferta Parl. (shore juniper)
J. excelsa Bieb. 'Stricta' (Greek juniper; blue juniper)
J. horizontalis Moench (creeping juniper)
J. horizontalis Moench 'Plumosa' (Andorra juniper)
J. horizontalis "Wiltonii"
J. pfitzeriana Mast. (see *Juniperus chinensis* L.)
J. scopulorum Sarg. 'Gray Gleam'
J. virginiana L. (red cedar)
Picea sp. (spruce tree)
spruce tree (*Picea* sp.)
Thuja orientalis L. (arborvitae)

CHIONASPIS AMERICANA JOHNSON — elm scurfy scale

ash (*Fraxinus* sp.)
Celtis laevigata Willd. (sugarberry; hackberry)
elm (*Ulmus* sp.)
Fraxinus sp. (ash)
hackberry (*Celtis laevigata* Willd.)
sugarberry (*Celtis laevigata* Willd.)
Ulmus sp. (elm)

CHIONASPIS CARYAE COOLEY — hickory scale

Carya sp. (hickory)
C. illinoensis Koch (pecan)
 hickory (*Carya* sp.)
 pecan (*Carya illinoensis* Koch)

CHIONASPIS FLORIDENSIS TAKAGI — river birch scale

ash (*Fraxinus* sp.)
Fraxinus sp. (ash)

CHIONASPIS FURFURA (FITCH) — scurfy scale

peach (*Prunus* sp.)
 pear (*Pyrus* sp.)
Prunus sp. (peach)
Pyrus sp. (pear)

CHIONASPIS HETEROPHYLLAE COOLEY — pine scale

pine, Austrian (*Pinus nigra* Arn.)
 pine, Japanese dwarf black (*Pinus thunbergii* Parl.)
 pine, Jerusalem (*Pinus halepensis* Mill.)
 pine, loblolly (*Pinus taeda* L.)
 pine, long leaf (*Pinus palustris* Mill.)
 pine, Scotch (*Pinus sylvestris* L.)
 pine, shortleaf (*Pinus echinata* Mill.)
 pine, slash (*Pinus elliotii* Eng.)
Pinus echinata Mill. (shortleaf pine)
P. elliotii Eng. (slash pine)
P. halepensis Mill. (Jerusalem pine)
P. nigra Arn. (Austrian pine)
P. palustris Mill. (longleaf pine)
P. sylvestris L. (Scotch pine)
P. taeda L. (loblolly pine)
P. thunbergii Parl. (Japanese dwarf black pine)

CHIONASPIS LINTNERI COMSTOCK — Lintner scale

snowbell, downy (*Styrax pulverulenta* Michx.)
 storax (*Styrax pulverulenta* Michx.)
Styrax pulverulenta Michx. (storax; downy snowbell)

CHIONASPIS LONGILOBA COOLEY — longiloba scale

Salix sp. (willow)
S. discolor Muhl. (pussy willow)
 willow (*Salix* sp.)
 willow, pussy (*Salix discolor* Muhl.)

CHIONASPIS NYSSAE COMSTOCK — sour-gum scale

gum, black (*Nyssa sylvatica* Marsh. var. *biflora* (Walt.) Sarg.)
 gum, tupelo (*Nyssa sylvatica* Marsh.)

Nyssa ogeche Bartr. (ogeche tupelo)
N. sylvatica Marsh. (tupelo gum)
N. sylvatica Marsh. var. *biflora* (Walt.) Sarg. (black gum; swamp tupelo)
 tupelo, ogeche (*Nyssa ogeche* Bartr.)
 tupelo, swamp (*Nyssa sylvatica* Marsh. var. *biflora* (Walt.) Sarg.)

CHIONASPIS PINIFOLIAE (FITCH) — pine needle scale

Abies balsamea (L.) Mill. (balsam fir)
 balsam fir (*Abies balsamea* (L.) Mill.)
 cedar (*Cedrus* sp.)
Cedrus sp. (cedar)
 hemlock, Eastern (*Tsuga canadensis* (L.) Carr.)
 juniper (*Juniperus* sp.)
Juniperus sp. (juniper)
Picea pungens Eng. (Colorado blue spruce)
 pine, loblolly (*Pinus taeda* L.)
 pine, longleaf (*Pinus palustris* Mill.)
 pine, Japanese dwarf black (*Pinus thunbergii* Parl.)
 pine, sand (*Pinus clausa* (Chapm.) Vasey)
 pine, Scotch (*Pinus sylvestris* L.)
 pine, slash (*Pinus elliotii* Engelm.)
 pine, South Florida slash (*Pinus elliotii* Engelm. var. *densa* Little & Dorman)
 pine, spruce (*Pinus glabra* Walt.)
 pine, Virginia (*Pinus virginiana* Mill.)
Pinus clausa (Chapm.) Vasey (sand pine)
P. elliotii Engelm. (slash pine)
P. elliotii Engelm. var. *densa* Little & Dorman (South Florida slash pine)
P. glabra Walt. (spruce pine)
P. palustris Mill. (longleaf pine)
P. sylvestris L. (Scotch pine)
P. taeda L. (loblolly pine)
P. thunbergii Parl. (Japanese dwarf black pine)
P. virginiana Mill. (Virginia pine)
 spruce, Colorado blue (*Picea pungens* Eng.)
Tsuga canadensis (L.) Carr. (Eastern hemlock)

CHIONASPIS SALICISNIGRAE (WALSH) — black willow scale

Salix sp. (willow)
 willow (*Salix* sp.)

CHORTINASPIS DIVARICATA FERRIS — wire grass scale

Eleusine indica (L.) Gaertn. (goosegrass; wire grass)
 goosegrass (*Eleusine indica* (L.) Gaertn.)
 wire grass (*Eleusine indica* (L.) Gaertn.)

CHORTINASPIS GRAMINELLA (COCKERELL) — native grass scale

Aristida sp. (wire grass)

wire grass (*Aristida* sp.)

CHORTINASPIS SUBCHORTINA (LAING) —
water grass scale

Eremochloa ophiuroides (Munro) Hack. (centi-
pede grass)
grass, centipede (*Eremochloa ophiuroides*
(Munro) Hack.)
Tillandsia sp.

CHRYSOMPHALUS AONIDUM (LINNAEUS) —
Florida red scale

Acacia sp. (acacia)
Acalypha sp. (copperleaf)
Acoelorrhaphe wrightii (Griseb. & Wendl.)
Wendl. & Becc. (Everglade palm)
Acorus gramineus Soland 'Variegatus'
Acrocomia totai Mart. (gru-gru palm)
Actinophloeus macarthurii Becc. (see *Ptycho-*
sperma macarthurii (H. Wendl.) Nicols.)
Adams-needle (*Yucca filamentosa* L.)
Agave sp. (century plant)
Aleurites moluccana Willd. (candlenut tree;
candleberry; varnish tree)
algaroba (*Ceratonia siliqua* L.)
Allamanda sp.
almond, Indian (*Terminalia catappa* L.)
almond, tropical (*Terminalia catappa* L.)
Aloe sp. (aloe)
amatungula (*Carissa grandiflora* A. DC.)
ambarella (*Spondias cytherea* Sonn.)
Ampelopsis arborea (L.) Rusby (pepper-vine)
Anacardium occidentale L. (cashew)
anise tree (*Illicium floridanum* Ellis)
Annona muricata L. (guanabana; soursop)
A. squamosa L. (sugar apple; sweetsop)
Anthericum liliago L. (St. Bernard lily)
Anthurium sp.
Apollo sp.
apple (*Malus* sp.)
apple, otaheite (*Spondias cytherea* Sonn.)
apple, rose (*Syzygium jambos* Alston)
apple, sugar (*Annona squamosa* L.)
apple, vi (*Spondias cytherea* Sonn.)
Aralia sp.
aralia, false (*Dizygotheca elegantissima* Vig. &
Guill.)
Araucaria sp. (monkeypuzzle tree)
A. excelsa R. Br. (Norfolk Island pine)
arborvitae (*Thuja* sp.)
Arbutus unedo L. (strawberry tree)
Archontophoenix alexandrae (F. Muell.) Wendl.
& Drude (king palm)
A. cunninghamiana (F. Muell.) Wendl. & Drude
(king palm)
Ardisia sp.
Arecastrum romanzoffianum Becc. (queen palm)
Aristea sp.

arrowroot (*Maranta* sp.)

Artabotrys sp. (tail-grape; false ylang-ylang)
ash, prickly (*Zanthoxylum clava-herculis* L.)

Aspidistra sp.

Averrhoa carambola L. (carambola)

avocado (*Persea americana* Mill.)

azalea (*Rhododendron* sp.)

Balaka seemanni (Wendl.) Becc. (palm)

banana (*Musa paradisiaca* L. 'Sapientum')

banana shrub (*Michelia fuscata* Blume)

Bauhinia sp. (jupiter tree; mountain ebony;
Florida orchid-tree)

bay (*Persea* sp.)

bay, loblolly (*Gordonia* sp.)

bay, sweet (*Magnolia virginiana* L.)

beautyleaf (*Calophyllum* sp.)

Begonia sp.

Belamcanda chinensis (L.) DC. (blackberry lily)

Bidens pilosa L. (Spanish needle)

bird-of-paradise (*Strelitzia nicolai* Regel &
Koern.; *S. reginae* Bank)

Bischofia javanica Blume (bishopwood)

bishopwood (*Bischofia javanica* Blume)

bittercress (*Cardamine debilis* D. Don)

black bean (*Castanospermum australe* Cunn.)

Boehmeria nivea Gaud. (ramie; Chinese silk
plant)

bottlebrush (*Callistemon citrinis* Stapf; *C. specio-*
sus DC.)

bottle tree, flame (*Brachychiton acerifolium* F.
Muell.)

Bougainvillea sp.

boxorange, Chinese (*Severinia buxifolia* (Poir)
Tenore)

boxwood (*Buxus* sp.)

Brachychiton acerifolium F. Muell. (flame bottle
tree)

Brassaia actinophylla Endl. (schefflera)

Brassia sp. (spider orchid)

Brazilcherry (*Eugenia uniflora* L.)

bridalwreath (*Spiraea* sp.)

brisbanebox (*Tristania conferta* R. Br.)

bromeliad (*Vriesia* sp.)

brush cherry, Australian (*Eugenia paniculata*
Banks)

bulletwood, kafir (*Mimusops caffra* E. Mey.)

burning bush (*Euonymus* sp.)

bushberry (*Eugenia paniculata* Banks)

Butia capitata (Mart.) Becc. (jelly palm; pindo
palm)

Buxus sp. (boxwood)

cabbage palm (*Sabal palmetto* (Walt.) Lodd.)

cajeput (*Melaleuca leucadendra* L.)

calabash (*Crescentia cujete* L.)

Caladium sp.

calamondin (*Citrus mitis* Blanco)

Calanthe sp.

Calathea sp.

Callistemon citrinis Stapf (bottlebrush)

C. rigidus R. Br.

- C. speciosus* DC. (bottlebrush)
Calophyllum sp. (beauty leaf; Indiapoon; maria)
C. inophyllum L. (kamani)
Calycanthus sp. (sweet-scented shrub; sweet shrub)
Camellia sp.
C. japonica L.
C. sinensis (L.) Kuntze (tea plant)
 camphor tree (*Cinnamomum camphora* (L.) Nees & Eberm.)
Cananga odorata Hook. f. & Thoms. (ylang-ylang)
 candleberry (*Aleurites moluccana* Willd.)
 candlenut tree (*Aleurites moluccana* Willd.)
Canna sp.
 cape-jasmine (*Gardenia jasminoides* Ellis)
 carambola (*Averrhoa carambola* L.)
Cardamine debilis D. Don (bittercress)
Carissa sp. (hedgethorn; carissa; karanda)
C. grandiflora A. DC. (natal plum; amatungula)
 carob (*Ceratonia siliqua* L.)
 caroubier (*Ceratonia siliqua* L.)
Carya illinoensis Koch (pecan)
Caryota urens L. (fishtail palm)
 cashew (*Anacardium occidentale* L.)
Casimiroa edulis Llave & Lex (white sapote)
Cassia sp. (senna; shower tree; golden shower tree)
Castanospermum australe Cunn. (Moreton bay chestnut; black bean)
 cedar (*Cedrus* sp.)
 cedar, cigarbox (*Cedrela odorata* L.)
 cedar, West Indian (*Cedrela odorata* L.)
 cedar, Spanish (*Cedrela odorata* L.)
Cedrela odorata L. (cigarbox cedar; Spanish cedar; West Indian cedar)
Cedrus sp. (cedar)
Ceiba sp. (kapok)
C. pentandra Gaertn. (silk cotton-tree)
 centipede plant (*Homalocladium platycladum* Bailey)
 centipede tonga vine (*Epipremnum pinnatum* Engl.)
 century plant (*Agave* sp.)
Ceratonia siliqua L. (carob; St. Johns bread; karoub; algaroba; caroubier)
Ceratozamia zaragozae Medellin-Leal (cycad)
 ceriman (*Monstera deliciosa* Liebm.)
Cestrum sp. (day-blooming, night-blooming, or willow-leaved jessamine)
Chamaedorea sp. (palm)
Chamaerops sp. (palm)
Chamaerops humilis L. (European fan palm)
 cherry (*Prunus* sp.)
 cherry, Australian brush (*Eugenia paniculata* Banks 'Compacta'; *Eugenia paniculata* Banks var. *australis* Bailey)
 cherry, barbados (*Malpighia glabra* L.)
 cherry laurel, American (*Prunus caroliniana* Ait.)
 cherry, surinam (*Eugenia uniflora* L.)
 chestnut, Moreton Bay (*Castanospermum australe* Cunn.)
Chimonanthus praecox Link (Greek winter flower)
 Chinese silk plant (*Boehmeria nivea* Gaud.)
Chionanthus virginicus L. (fringe tree)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Chrysobalanus sp. (gopher; coco plum)
Chrysophyllum sp. (satinleaf)
 cinnamon (*Cinnamomum zeylanicum* Blume)
Cinnamomum camphora (L.) Nees & Eberm. (camphor tree)
C. japonica Sieb.
C. zeylanicum Blume (cinnamon)
Citharexylum sp. (fiddlewood)
 citron (*Citrus medica* L.)
Citrus aurantifolia (Swingle) Christm. (Key lime)
C. limon Burm. f. (lemon), 'Meyer' (Meyer lemon)
C. medica L. (citron)
C. mitis Blanco (calamondin)
C. paradisi Macf. (grapefruit)
C. reticulata Blanco x *C. paradisi* Macf. (tangelo)
C. reticulata Blanco 'Unshiu' (satsuma)
C. sinensis Osbeck (sweet orange)
Cleyera japonica (L.) Thunb. (sakaki)
Coccoloba uvifera L. (seagrape)
Cocculus sp. (snailseed)
Cocos nucifera L. (coconut palm)
Codiaeum sp. (croton)
Colocasia sp. (elephant's ear)
C. esculenta Schott. (taro)
 comptie (*Zamia integrifolia* Ait.)
 coontie (*Zamia integrifolia* Ait.)
Copernicia macroglossa Wendl. & Becc.
C. torreana Leon (see *Copernicia macroglossa* Wendl. & Becc.)
 copperleaf (*Acalypha* sp.)
Cordia sp. (geiger-tree)
Cordyline sp.
Costus sp.
 cotton-tree, silk (*Ceiba pentandra* Gaertn.)
 crape-myrtle (*Lagerstroemia* sp.)
Crataegus sp. (hawthorn)
Crescentia cujete L. (calabash)
Crotalaria sp.
 croton (*Codiaeum* sp.)
 crown-of-thorns (*Euphorbia milii* Ch. des Moul.)
Ctenanthe oppenheimiana Schum.
 cycad (*Ceratozamia zaragozae* Medellin-Leal; *Cycas* sp.)
Cycas sp. (cycad)
C. circinalis L. (queen sago)
C. media R. B.
C. revoluta Thunb. (sago palm)
Cymbidium sp. (orchid)
*C. olymitum** (orchid)
Cyrtopodium paranaensis Schlechter (butterfly orchid)

*Authority for genus and species could not be found.

- C. punctatum* (L.) Lindl. (cowhorn orchid)
Dendrobium sp. (orchid)
 dewdrop, golden (*Duranta* sp.)
Dictyosperma sp. (princess palm)
D. album (Bory) Wendl. & Drude (common princess palm)
Dioon edule Lindl.
Diospyros sp. (Japanese persimmon)
Dizygotheca elegantissima Vig. & Guill. (false aralia)
Dracaena sp. (dracena)
D. marginata Lam.
 dracena (*Dracaena* sp.)
 dragonhead, false (*Physostegia* sp.)
Duranta sp. (golden dewdrop)
D. repens L. (pigeonberry)
Dypsis sp. (palm)
 Easter egg tree (*Ochrosia elliptica* LaBill.)
 ebony, mountain (*Bauhinia* sp.)
Edgeworthia gardneri Meissn. (oriental paper-bush)
E. papyrifera tomentosa (see *Edgeworthia gardneri* Meissn.)
Elaeagnus sp.
Elaeodendron quadrangulatum Reiss. (false olive)
 elephant's ear (*Colocasia* sp.)
Encephalartos transvenosus Stapf & Bortt Davy
Epidendrum sp. (orchid)
Epipremnum pinnatum Engl. (centipede tonga vine)
Eriobotrya japonica Lindl. (loquat)
Erythea armata Wats. (big blue hesper palm)
Esenbeckia runyoni Morton
Eucalyptus sp.
Eugenia eucalyptoides F. Muell.
E. paniculata Banks (Australian brushcherry; bushberry)
E. paniculata Banks 'Compacta' (Australian brush cherry)
E. paniculata Banks var. *australis* Bailey (Australian brush-cherry)
E. uniflora L. (Brazilcherry; pitanga; surinam cherry)
Eulophia sp.
 euonymus, golden (*Euonymus japonicus* L.)
Euonymus sp. (strawberry bush; burning bush)
E. japonicus L. (golden euonymus)
Euphorbia sp. (milk tree)
E. milii Ch. des Moul. (crown-of-thorns)
E. pulcherrima Willd. (poinsettia)
 false dragonhead (*Physostegia* sp.)
Fatshedera sp.
Fatsia japonica (Thunb.) Deene & Planch.
Feijoa sp.
 ferns
Ficus altissima Blume (lofty fig)
F. aurea Nutt. (wild rubber)
F. benjamina L. (weeping laurel)
F. elastica Roxb. (rubber plant)
F. indica L. (India fig)
F. lyrata Warb.
F. nitida Thunb. (see *Ficus retusa* L.)
F. pumila L. (creeping fig)
F. retusa L. (Indialaurel fig)
F. rubiginosa Vent. (rusty fig)
 fiddlewood (*Citharexylum* sp.)
 fig, creeping (*Ficus pumila* L.)
 fig, India (*Ficus indica* L.)
 fig, Indialaurel (*Ficus retusa* L.)
 fig, lofty (*Ficus altissima* Blume)
 fig, rusty (*Ficus rubiginosa* Vent.)
 firethorn (*Pyracantha* sp.)
 firewheel tree (*Stenocarpus* sp.)
 flag (*Iris* sp.)
 flax (*Linum* sp.)
 flax, bronze New Zealand (*Phormium tenax* Forst.)
Forestiera porulosa (Mich.) Poir. (Florida privet)
Fortunella sp. (kumquat)
F. japonica Swingle (kumquat)
 frangipani (*Plumeria rubra* L.)
 fringe tree (*Chionanthus virginicus* L.)
 gallberry (*Ilex glabra* Gray)
Garcinia mangostana L. (mangosteen)
Gardenia sp.
G. jasminoides Ellis (cape jasmine)
 geiger-tree (*Cordia* sp.)
Ginkgo biloba L. (maidenhair tree)
Gladiolus sp.
Glycosmis pentaphylla Correa (Malay glycosmis)
 golden shower tree (*Cassia* sp.)
Gordonia sp. (loblolly bay)
 grapefruit (*Citrus paradisi* Macf.)
 Greek winter flower (*Chimonanthus praecox* Link)
Grevillea sp. (silkoak)
G. banksii R. Br.
Guaiacum officinale L.
 guanabana (*Annona muricata* L.)
 guava (*Psidium* sp.)
 hawthorn (*Crataegus* sp.)
 hawthorn, India (*Rhaphiolepis indica* Lindl.)
Hedera sp. (ivy)
H. helix L. (English ivy)
 hedgethorn (*Carissa* sp.; *Severinia buxifolia* (Poir.) Tenore)
Hedychium sp. (ginger lily)
Hemerocallis sp. (daylily)
 hemlock (*Tsuga* sp.)
Hibiscus sp.
 holly (*Ilex rotunda* Thunb.)
 holly, Burford (*Ilex cornuta* Lindl. & Paxton 'Burfordii')
 holly, Chinese (*Ilex cornuta* Lindl. & Paxton)
 holly, Japanese (*Ilex crenata* Thunb. 'Rotundifolia')
Homalocladium platycladum Bailey (centipede plant; ribbon-bush)
Howea sp. (sentry palm)

- H. belmoreana* Becc. (belmore sentry palm)
H. forsteriana (Moore & Muell.) Becc.)
Hydrangea sp.
Hymenoporum flavum F. Muell.
Hyphaene crinita Gaertner (doum palm)
Ilex cornuta Lindl. & Paxton (Chinese holly)
I. cornuta Lindl. & Paxton 'Burfordii' (Burford holly)
I. crenata Thunb. 'Rotundifolia' (Japanese holly)
I. glabra Gray (gallberry)
I. rotunda Thunb. (holly)
Illicium floridanum Ellis (anise tree)
 Indiapoon (*Calophyllum* sp.)
Iris sp. (flag)
 ivy (*Hedera* sp.)
 ivy-arum (*Scindapsus aureus* Engler)
 ivy, English (*Hedera helix* L.)
Ixora sp.
 jaboticaba (*Myrciara cauliflora* Berg.)
 jasmine, Confederate (*Trachelospermum jasminoides* Lem.)
 jasmine, star (*Trachelospermum jasminoides* Lem.)
Jasminum sp. (jasmine)
 jessamine, day-blooming (*Cestrum* sp.)
 jessamine, willow-leaved (*Cestrum* sp.)
 jujube (*Zizyphus* sp.)
 jupiter (*Bauhinia* sp.)
 kamani (*Calophyllum inophyllum* L.)
 kapok (*Ceiba* sp.)
 karanda (*Carissa* sp.)
 karoub (*Ceratonia siliqua* L.)
 karum (*Pongamia* sp.)
Kigelia pinnata DC. (sausage tree)
Kopsia sp.
 kumquat (*Fortunella* sp.; *Fortunella japonica* Swingle)
Lagerstroemia sp. (crape-myrtle)
Latania sp. (latan palm)
 laurel bay (*Laurus* sp.)
 laurel, English (see *Laurus* sp.)
 laurel, Grecian*
 laurel, weeping (*Ficus benjamina* L.)
Laurus sp. (laurel bay)
 leadwort (*Plumbago* sp.)
 lemon (*Citrus limon* Burm. f.)
 lemon, Meyer (*Citrus limon* Burm. 'Meyer')
Ligustrum sp.
L. japonicum Thunb.
L. lucidum Ait.
 lilac (*Syringa* sp.)
 lily, blackberry (*Belamcanda chinensis* (L.) DC.)
 lily, day (*Hemerocallis* sp.)
 lily, ginger (*Hedychium* sp.)
 lily, St. Bernard (*Anthericum liliago* L.)
 lilyturf liriopse (*Liriope muscari* (Deeme) Bailey)
 lilyturf, ophiopogon (*Ophiopogon jaburan* Lodd.)
 lime, Key (*Citrus aurantifolia* (Swingle) Christm.)
Lindera benzoin Blume (spice-bush; spice plant)
Linum sp. (flax)
Liriope muscari (Deeme) Bailey (lilyturf liriopse)
Litchi chinensis Sonner (lychee)
Livistona chinensis (Jacq.) R. Br. (Chinese fan palm)
 loquat (*Eriobotrya japonica* Lindl.)
 luckynut (*Thevetia peruviana* Schum.)
 lychee (*Litchi chinensis* Sonner)
Lycoris sp.
Lysidice rhodostegia Hance
Macrozamia moorei F. Muell. ex. C. Moore
M. spiralis Miq. (spiral macrozamia)
 macrozamia, spiral (*Macrozamia spiralis* Miq.)
Magnolia sp.
M. virginiana L. (sweet bay)
 mahonia, Chinese (*Mahonia fortunei* (Lindl.) Fedde)
 mahogany (*Swietenia* sp.)
 maidenhair tree (*Ginkgo biloba* L.)
 maidenhair-vine (*Muehlenbeckia* sp.)
Malpighia glabra L. (barbados cherry)
Malus sp. (apple)
 mamey (*Mammea americana* L.)
Mammea americana L. (mamey apple)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 mangosteen (*Garcinia mangostana* L.)
Maranta sp. (arrowroot)
 maria (*Calophyllum* sp.)
Mascarena sp. (palm)
M. lagenicaulis Bailey (bottle palm)
Melaleuca leucadendra L. (cajeput; punk tree)
Michelia fuscata (Andr.) Blume (banana shrub)
Mimusops caffra E. Mey. (kafir bulletwood)
Mitragyna parvifolia Koerth.
 mock-orange (*Philadelphus* sp.)
 mombin (*Spondias* sp.)
Momordica charantia L. (balsam pear)
 monkey puzzle (*Araucaria* sp.)
Monstera deliciosa Liebm. (ceriman)
Moraea iridioides L. (moraea)
Morus sp. (mulberry)
Muehlenbeckia sp. (wire plant; maidenhair-vine)
 mulberry (*Morus* sp.)
Musa sp. (banana)
M. paradisiaca L. 'Sapientum' Kuntze (banana)
Myrciara cauliflora Berg. (jaboticaba)
 myrobalan (*Terminalia catappa* L.)
Myrsine sp.
 myrtle (*Myrtus* sp.)
Myrtus sp. (myrtle)
Nandina domestica Thunb.
 necklacepod (*Sophora tomentosa* L.)
Neodopsis decaryi Jumelle (triangle palm)
Nephthytis liberica N.E.Br.
Nerium sp. (oleander)
Noronia emarginata Poir.
 oak (*Quercus* sp.)
Ochrosia elliptica LaBill. (Easter egg tree)
Olea sp. (olive)

*Scientific name could not be verified.

- oleander (*Nerium* sp.)
 oleander, yellow (*Thevetia peruviana* Schum.)
 olive (*Olea* sp.; *Osmanthus fragrans* Lour.)
 olive, false (*Elaeodendron quadrangulatum* Reiss.)
 olive, sweet or tea (*Osmanthus fragrans* Lour.)
Ophiopogon jaburan Lodd. (ophiopogon lilyturf)
 orange, sweet (*Citrus sinensis* Osbeck)
 orange, trifoliate- (*Poncirus trifoliata* Raf.)
 orchids:
 butterfly (*Cyrtopodium paranaensis* Schlechter)
 Calanthe sp.
 common vanilla (*Vanilla planifolia* Andr.)
 cowhorn (*Cyrtopodium punctatum* (L.) Lindl.)
 Cymbidium sp.
 *C. olymitum**
 Dendrobium sp.
 Epidendrum sp.
 Phaius grandifolius Lour.
 Renanthera storiei Reich.
 spider (*Brassia* sp.)
 orchid-tree, Florida (*Bauhinia* sp.)
Oreopanax sp. (oreopanax)
Osmanthus fragrans Lour. (sweet or tea olive)
 palmetto, saw (*Serenoa repens* (Bartr.) Small)
 palms:
 Acrocomia sp.
 Balaka seemannii (H. Wendl.) Becc.
 belmore sentry (*Howeia belmoreana* Becc.)
 big blue hesper (*Erythea armata* Wats.)
 bottle (*Mascarena lagenicaulis* Bailey)
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 Canary Island date (*Phoenix canariensis* Chaub.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
 Chamaedorea sp.
 Chamaerops sp.
 Chinese fan (*Livistona chinensis* (Jacq.) R. Br.)
 Christmas (*Veitchia merrillii* (Becc.) Moore)
 coconut (*Cocos nucifera* L.)
 Copernicia macroglossa Wendl. & Becc.
 dwarf date (*Phoenix roebelenii* O'Brien)
 dour (*Hyphaene crinita* Gaertner)
 Dypsis sp.
 European fan (*Chamaerops humilis* L.)
 Everglade (*Acoelorrhapha wrightii* (Griseb. & Wendl.) Wendl. & Becc.)
 fishtail (*Caryota urens* L.)
 gru-gru (*Acrocomia totai* Mart.)
 hesper, big blue (*Erythea armata* Wats.)
 jelly (*Butia capitata* (Mart.) Becc.)
 king (*Archontophoenix alexandrae* (F. Muell.) Wendl. & Drude)
 lady- (*Rhapis* sp.)
 latan (*Latania* sp.)
 Macarthur (*Ptychosperma macarthurii* (H. Wendl.) Nicols.)
 Manila (*Veitchia merrillii* (Becc.) Moore)
 Mascarena sp.
 Phoenix sp.
 piccabeen king (*Archontophoenix cunninghamiana* (F. Muell.) Wendl. & Drude)
 pigmy date (*Phoenix roebelenii* O'Brien)
 pindo (*Butia capitata* (Mart.) Becc.)
 princess (*Dictyosperma* sp.)
 Pritchardia sp.
 Ptychosperma sp.
 queen (*Arecastrum romanzoffianum* Becc.)
 royal (*Roystonea* sp.)
 Sabal sp.
 sago- (*Cycas revoluta* Thunb.)
 sago, queen (*Cycas circinalis* L.)
 senegal date (*Phoenix reclinata* Jacq.)
 sentry, belmore (*Howeia belmoreana* (Moore & Muell.) Becc.)
 sentry, Forster (*Howeia forsteriana* (Moore & Muell.) Becc.)
 Thrinax sp.
 triangle (*Neodypsis decaryi* Jumelle)
 Veitchia sp.
 Washingtonia sp.
 white princess (*Dictyosperma album* (Bory) Wendl. & Drude)
 windmill (*Trachycarpus fortunei* (Hook.) Wendl.)
Pachysandra sp. (pachysandra)
Pandanus veitchii Dall. (screwpine)
 paperbush, oriental (*Edgeworthia gardneri* Meissn.)
Passiflora sp. (passion flower; passion vine)
 passion flower (*Passiflora* sp.)
 passion vine (*Passiflora* sp.)
Paurotis wrightii (G. & W.) Britton (see *Acoelorrhapha wrightii* (Griseb. & Wendl.) Wendl. & Drude)
 pear (*Pyrus* sp.)
 pear, balsam (*Momordica charantia* L.)
 pecan (*Carya illinoensis* Koch)
 periwinkle (*Vinca major* L.)
Persea sp. (bay)
Persea americana Mill. (avocado)
 persimmon, Japanese (*Diospyros* sp.)
 pepper, Brazilian (*Schinus* sp.)
 pepper, vine (*Ampelopsis arborea* (L.) Rusby)
Phaius grandifolius Lour. (orchid)
Philodendron sp.
P. 'Florida' (*P. laciniosum* Schott. x *P. squamiferum* Poepp.)
P. pedatum Kunth.
P. selloum C. Koch
P. wendlandii Scott
Phoenix canariensis Chaub. (Canary Island date palm)
P. loureiri Kunth (see *Phoenix roebelenii* O'Brien)
P. reclinata Jacq. (senegal date palm)

*Authority for genus and species could not be found.

- P. roebelenii* O'Brien (dwarf date palm; pigmy date palm)
Phormium tenax Forst. (bronze New Zealand flax)
Photinia serrulata Lindl. (photinia)
Phyllanthus carolinensis Walt.
Physostegia sp. (false dragonhead)
 pigeonberry (*Duranta repens* L.)
 pine, Aleppo (*Pinus halepensis* Mill.)
 pine, Norfolk Island (*Araucaria excelsa* R. Br.)
 pine, Jerusalem (*Pinus halepensis* Mill.)
 pine, slash (*Pinus elliottii* Engelm.)
Pinus elliotti Engelm. (slash pine)
P. halepensis Mill. (Aleppo or Jerusalem pine)
 pitanga (*Eugenia uniflora* L.)
Pittosporum sp.
Pleiogynium sp. (Burdekin plum)
 plum (*Prunus* sp.)
Plumbago sp. (leadwort)
 plum, Burdekin (*Pleiogynium* sp.)
 plum, coco (*Chrysobalanus* sp.)
 plum, gopher (*Chrysobalanus* sp.)
 plum, jambolan (*Syzygium cumini* Skeels)
Plumeria rubra L. (frangipani)
Podocarpus macrophylla D. Don 'Maki'
 poinsettia (*Euphorbia pulcherrima* Willd.)
Poncirus trifoliata Raf. (trifoliolate-orange)
Pongamia sp. (karum)
 popinac (*Acacia* sp.)
 pothos (*Scindapsus aureus* Engler)
Pritchardia sp. (palm)
 privet, Florida (*Forestiera porulosa* (Mich.) Poir.)
Prunus sp. (cherry; plum)
P. caroliniana (Mill.) Ait. (American cherry-laurel)
Psidium sp. (guava)
Ptychosperma macarthurii (H. Wendl.) Nicols. (MacArthur palm)
 punk tree (*Melaleuca leucadendra* L.)
Pyracantha sp. (firethorn)
Pyrus sp. (pear)
Quercus sp. (oak)
 ramie (*Boehmeria nivea* Gaud.)
Ravenala madagascariensis Sonn. (travelers-tree)
Renanthera storiei Reichb. (orchid)
Raphiolepis indica Lindl. (India hawthorn)
Rhapis sp. (palm)
Rhododendron sp. (azalea)
 ribbon-bush (*Homalocladium platycladum* Bailey)
 rice paper plant, Chinese (*Tetrapanax papyriferus* Koch)
Rosa chinensis Jacq. (China or Bengal rose)
 rose, Bengal (*Rosa chinensis* Jacq.)
Roystonea sp. (royal palm)
 rubber-plant (*Ficus elastica* Roxb.)
 rubber, wild (*Ficus aurea* Nutt.)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
 sakaki (*Cleyera japonica* (L.) Thunb.)
Sapium sebiferum (L.) Roxb. (Chinese tallow tree)
 sapote, white (*Casimiroa edulis* Llave & Lex)
 sarcococca, fragrant (*Sarcococca ruscifolia* Stapf)
Sarcococca ruscifolia Stapf (fragrant sarcococca)
 satinleaf (*Chrysophyllum* sp.)
 satsuma (*Citrus reticulata* Blanco 'Unshiu')
 sausage tree (*Kigelia pinnata* DC.)
 schefflera (*Brassaia actinophylla* Endl.)
Schinus sp. (Brazilian pepper)
Scindapsus aureus Engler (pothos; ivy-arum)
 screwpine (*Pandanus veitchii* Dall.)
 seagrape (*Coccoloba uvifera* L.)
 seminole bread (*Zamia floridana* DC.)
 senna (*Cassia* sp.)
Serenoa repens (Bartr.) Small (saw palmetto)
Severinia buxifolia Poir. Tenore (Chinese box orange; hedgethorn)
 shower tree (*Cassia* sp.)
 silk-cotton tree (*Ceiba pentandra* Gaertn.)
 silkoak (*Grevillea* sp.)
 snailseed (*Cocculus* sp.)
Sophora tomentosa L. (necklacepod)
 soursop (*Annona muricata* L.)
 Spanish needle (*Bidens pilosa* L.)
Spathodea campanulata Beauv. (African tulip tree)
Spathiphyllum sp.
 spice-bush (*Lindera benzoin* Blume)
 spice plant (*Lindera benzoin* Blume)
Spirea sp. (bridalwreath; spirea)
Spondias sp. (mombin)
S. cytherea Sonn. (otaheite apple; vi apple; ambarella)
 St. Johns-bread (*Ceratonia siliqua* L.)
Stenocarpus sp. (firewheel tree)
 strawberry bush (*Euonymus* sp.)
 strawberry tree (*Arbutus unedo* L.)
Strelitzia nicolai Regel & Koern. (bird-of-paradise)
S. reginae Banks (bird-of-paradise)
 sweet-scented shrub (*Calycanthus* sp.)
 sweet shrub (*Calycanthus* sp.)
 sweetsop (*Annona squamosa* L.)
Swietenia sp. (mahogany)
Syringa sp. (lilac)
Syzygium cumini Skeels (jambolan plum)
S. jambos Alston (roseapple)
Tabernaemontana sp.
 tail-grape (*Artabotrys* sp.)
Talauma hodgsonii Hook. f. & Thoms.
 tallow tree, Chinese (*Sapium sebiferum* (L.) Roxb.)
 tallow-wood (*Ximenia americana* L.)
 tamarind (*Tamarindus indica* L.)
Tamarindus indica L. (tamarind)
 tangelo (*Citrus reticula* Blanco x *C. paradisi* Macf.)

taro (*Colocasia esculenta* Schott.)
Taxus sp. (yew)
 tea plant (*Camellia sinensis* (L.) Kuntze)
Terminalia catappa L. (tropical almond; myrobalan; Indian almond)
Ternstroemia sp.
Tetrapanax payrifera Koch (Chinese rice paper plant)
Thevetia peruviana Schum. (yellow oleander; luckynut)
Thrinax sp. (palm)
Thuja sp. (arborvitae)
Trachelospermum jasminoides Lem. (star jasmine; Confederate jasmine)
Trachycarpus fortunei (Hook.) Wendl. (windmill palm)
 travelers-tree (*Ravenala madagascariensis* Sonn.)
Trevesia palmata Vis.
 trifoliate-orange (*Poncirus trifoliata* Raf.)
Tristania conferta R. Br. (brisoanebox)
 trumpet plant*
Tsuga sp. (hemlock)
 tulip tree, African (*Spathodea campanulata* Beauv.)
Vanilla planifolia Andr. (common vanilla orchid)
 varnish tree (*Aleurites moluccana* Willd.)
Veitchia merrillii (Becc.) Moore (Manila palm; Christmas palm)
 vi apple (*Spondias cytherea* Sonn.)
Viburnum sp.
Vinca major L. (periwinkle)
Vriesia sp. (bromeliad)
Washingtonia sp. (palm)
Webera corymbosa Sm.
 wire plant (*Muehlenbeckia* sp.)
Wisteria sp.
Ximenia americana L. (tallow-wood)
 yew (*Taxus* sp.)
 ylang-ylang (*Cananga odorata* Hook. f. & Thoms.)
 ylang-ylang, false (*Artabotrys* sp.)
Yucca filamentosa L. (Adams-needle)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (comptie; coontie; seminole bread)
Zamioculcas zamiifolia Engler
Zanthoxylum clava-herculis L. (prickly ash)
Zizyphus sp. (jujube)

CHRYSOMPHALUS DICTYOSPERMI (MORGAN) — dictyospermum scale

Acoelorrhaphe wrightii (Griseb. & Wendl.) Wendl. & Becc. (Everglade palm)
Acrocomia sp. (gru-gru palm)
Adonidia merrillii Becc. (see *Veitchia merrillii* (Becc.) Moore)
Aeglopsis chevalieri Swingle
Agathis australis Salisb. (kauri pine)
Agave sp. (century plant)

Allamanda sp.
Anthericum liliago L. (St. Bernard lily)
Anthurium sp.
 apple, malay (*Syzygium* sp.)
Aralia elegantissima Hort.
A. sieboldii Hort.
Araucaria bidwillii Hook. (bunya-bunya)
A. excelsa R. Br. (Norfolk Island pine)
 arborvitae, oriental (*Thuja orientalis* L.)
 arborvitae, pyramidal (*Thuja orientalis* var. *stricta* Loud.)
Archontophoenix alexandrae (F. Muell.) Wendl. & Drude (king palm)
Ardisia sp.
Arecastrum romanzoffianum Becc. (queen palm)
Arenga piannata (Wurmb) Merr. (palm)
Asparagus sp.
Aspidistra sp.
Attalea sp. (palm)
Aucuba sp. (golddust tree)
 avocado (*Persea americana* Mill.)
Bahia sp.
Balaka seemannii (Wendl.) Becc. (palm)
 banana (*Musa paradisiaca* L. 'Sapientum' Kuntze)
Bauhinia sp. (jupiter tree; mountain ebony; Florida orchid-tree)
 bay, sweet (*Magnolia virginiana* L.)
 bay (*Laurus* sp.; *Persea* sp.)
Beaucarnea sp.
B. recurvata Lem.
 benzoin (*Lindera* sp.)
Billbergia sp.
 bird-of-paradise (*Strelitzia reginae* Banks)
 bottlebrush (*Callistemon* sp.)
 bottle tree (*Brachychiton* sp.)
 boxwood (*Buxus* sp.)
Brachychiton sp. (bottle tree)
 brier, bamboo (*Smilax laurifolia* L.)
 brush-cherry, Australian (*Eugenia myrtifolia* Sims)
 bunya-bunya (*Araucaria bidwillii* Hook.)
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
Buxus sp. (boxwood)
 cactus, pencil (*Opuntia ramosissima* Engel.)
Caesalpinia sappan L. (divi-divi; nickernut)
 cafta (*Catha edulis* Forsk.)
 calamondin (*Citrus mitis* Blanco)
 calico bush (*Kalmia latifolia* L.)
Callistemon sp. (bottlebrush)
Callitris robusta R. Br. (cypress pine)
Camellia japonica L.
 camphor tree (*Cinnamomum camphora* Nees & Eberm.)
Canna sp.
Cannabis sp. (hemp)
 cape jasmine (*Gardenia* sp.)
Carissa sp. (karanda)
C. grandiflora A. DC. (natal plum)

*Scientific name could not be verified.

- Carludovica palmata* R. & P. (Panama hat plant)
Carya illinoensis Koch (pecan)
Cassia sp. (golden shower tree; hedgethorn)
 cassia bark tree (*Cinnamomum cassia* Nees & Eberm.)
Castanea sp. (chestnut)
Casuarina stricta Dry. (Australian pine)
Catha edulis Forsk. (cafta; khat; Arabian tea)
 century plant (*Agave* sp.)
 ceriman (*Monstera deliciosa* Liebm.)
Cestrum sp. (day-blooming jessamine; night-blooming jessamine)
Chamaecyparis obtusa Sieb. & Zucc. (Hinoki cypress)
Chamaerops sp. (palm)
 cherry, barbados (*Malpighia glabra* L.)
 cherry laurel (*Prunus caroliniana* (Mill.) Ait.)
 cherry, surinam (*Eugenia uniflora* L.)
 chestnut (*Castanea* sp.)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
 cinnamon (*Cinnamomum zeylanicum* Blume)
Cinnamomum camphora (L.) Nees & Eberm. (camphor tree)
C. cassia Nees & Eberm. (cassia bark tree)
C. zeylanicum Blume (cinnamon)
Citrus aurantium L. (sour orange)
C. japonica Swingle (see *Fortunella japonica* Swingle)
C. mitis Blanco (calamondin)
C. paradisi Macf. (grapefruit)
C. reticulata Blanco (tangerine)
C. reticulata Blanco x *C. sinensis* (L.) Osbeck 'Temple' (temple orange)
C. sinensis Osbeck (sweet orange)
Clematis vitalba L. (oldman's beard)
Cleyera japonica (L.) Thunb. (sakaki)
Cocos nucifera L. (coconut palm)
Codiaeum sp. (croton)
Colocasia sp. (elephant's ear)
 comptie (*Zamia integrifolia* Ait.)
 coral bean (*Erythrina* sp.)
 coral plant (*Jatropha* sp.)
Corypha umbraculifera L. (palm)
Cotoneaster sp.
Crotalaria spectabilis Roth (rattle-box)
 croton (*Codiaeum* sp.)
 crown-of-thorns (*Euphorbia milii* Ch. des Moul.)
Cupressus sp. (cypress)
C. sempervirens L. (Italian cypress)
 curcasbean (*Jatropha* sp.)
Cycas revoluta Thunb. (sago palm)
Cynoches cholorochilon Klotzsch (orchid)
Cyperus papyrus L. (papyrus)
 cypress, Hinoki (*Chamaecyparis obtusa* Sieb. & Zucc.)
 cypress, Italian (*Cupressus sempervirens* L.)
 dahoon (*Ilex cassine* L.)
 daisy (*Gerbera* sp.)
Daphne sp.
- Daphniphyllum humile* Maxim
 diamond cholla (*Opuntia ramosissima* Engel)
Dictyosperma sp. (feather palm; princess palm)
Diervilla sp. (bush honeysuckle)
 divi-divi (*Caesalpinia sappan* L.)
Dracaena sp. (dracena)
D. marginata Lam.
Duranta sp. (golden dewdrop)
Dypsis sp. (palm)
Elaeagnus sp. (oleaster; Russian olive)
Elaeis guineensis Jacq. (African oil palm)
 elephant's ear (*Colocasia* sp.)
Erythrina sp. (coral bean)
Eucalyptus sp.
Eugenia fruitlandii Berck.
E. myrtifolia Sims (Australian brush-cherry)
E. uniflora L. (surinam cherry; pitanga)
Euphorbia sp.
E. milii Ch. des Moul. (crown-of-thorns)
Eupritchardia sp. (see *Pritchardia* sp.)
Eurya japonica Thunb.
Fatshedera sp.
 "fern," coontie (*Zamia integrifolia* Ait.)
 feijoa (*Feijoa sellowiana* Berg.)
Feifoa sellowiana Berg. (feijoa)
Ficus altissima Blume (lofty fig)
F. bellingeri C. Moore (bellinger fig)
F. carica L. (common fig)
F. glomerata Roxb. (cluster fig)
F. infectoria Roxb. (dotted fig)
F. krishnae DC. (krishnabor)
F. pumila L. (creeping fig)
F. rubiginosa Vent. (rusty fig)
 fig:
 bellinger (*Ficus bellingeri* C. Moore)
 cluster (*Ficus glomerata* Roxb.)
 common (*Ficus carica* L.)
 creeping (*Ficus pumila* L.)
 dotted (*Ficus infectoria* Roxb.)
 lofty (*Ficus altissima* Blume)
 rusty (*Ficus rubiginosa* Vent.)
 firethorn (*Pyracantha* sp.)
 flag (*Iris* sp.)
Fortunella sp. (kumquat)
 gallberry (*Ilex glabra* Gray)
Garcinia mangostana L. (mangosteen)
Gardenia sp.
Gerbera sp. (daisy)
Ginkgo biloba L. (ginkgo)
 gold dust tree (*Aucuba* sp.)
 golden dewdrop (*Duranta* sp.)
 golden shower tree (*Cassia* sp.)
 gooseberry, hog (*Malpighia* sp.)
 grape (*Vitis* sp.)
 grapefruit (*Citrus paradisi* Macf.)
 grass, bear (*Yucca* sp.)
Grevillea sp. (silk oak)
 guava (*Psidium* sp.)
 hawthorn, India (*Rhaphiolepis indica* Lindl.)
Hedera sp. (ivy)

- hedgethorn (*Cassia* sp.)
 hemp (*Cannabis* sp.)
Heterospathe sp. (palm)
 holly (*Ilex rotunda* Thunb.)
 holly, Burford (*Ilex cornuta* Lindl. & Paxton 'Burfordii')
 holly, Chinese (*Ilex cornuta* Lindl. & Paxton)
 holly, Japanese (*Ilex crenata* Thunb., *I. crenata* Thunb. 'Rotundifolia')
 holly, lusterleaf (*Ilex latifolia* Thunb.)
 holly, perny (*Ilex pernyi* Franchet)
 honeysuckle (*Lonicera* sp.)
 honeysuckle, bush (*Dievilla* sp.)
Howeia sp. (sentry palm)
Hyphaene sp. (palm)
Ilex cassine L. (dahoon)
I. cornuta Lindl. & Paxton (Chinese holly)
I. cornuta Lindl. & Paxton 'Burfordii' (Burford holly)
I. crenata Thunb., 'Rotundifolia' (Japanese holly)
I. glabra Gray (gallberry)
I. latifolia Thunb. (lusterleaf holly)
I. rotunda Thunb. (holly)
I. pernyi Franchet (perny holly)
Iris sp.
I. barnumae Baker & Foster
I. mariae Barbey
 ivy (*Hedera* sp.)
 jasmine (*Jasminum sambac* Ait.)
 jasmine, Confederate (*Trachelospermum jasminoides* Lem.)
 jasmine, star (*Trachelospermum jasminoides* Lem.)
Jasminum sambac Ait. (jasmine)
Jatropha sp. (coral plant; curcasbean)
J. gossypifolia L. (bellyache nettlespurge)
 Jerusalem-thorn (*Parkinsonia aculeata* L.)
 jessamine, day-blooming (*Cestrum* sp.)
 jessamine, night-blooming (*Cestrum* sp.)
 juniper (*Juniperus chinensis* L. 'Pfitzeriana' Mast.; *J. conferta* Parl.)
Juniperus chinensis L. 'Pfitzeriana' Mast. (Chinese juniper)
J. chinensis L. 'Sargentii'
J. conferta Parl. (juniper)
 jupiter tree (*Bauhinia* sp.)
 kafir-orange (*Strychnos spinosa* Lam.)
Kalmia latifolia L. (mountain laurel; calicobush)
 karanda (*Carissa* sp.)
Kentia sp. (palm)
 khat (*Catha edulis* Forsk.)
 krisknabor (*Ficus krishnae* DC.)
 kumquat (*Citrus japonica* Swingle; *Fortunella* sp.)
Latania sp. (latan palm)
 laurel, apollo*
 laurelcherry (*Prunus caroliniana* (Mill.) Ait.)
 laurel, English*
 laurel, mountain (*Kalmia latifolia* L.)
 laurestinus (*Viburnum tinus* L.)
Laurus sp. (bay)
Ligustrum sp.
L. japonicum Thunb. (wax privet)
L. lucidum Ait.
Lindera sp. (benzoin)
 lily, St. Bernard (*Anthericum liliago* L.)
 lilyturf (*Liriope* sp.)
 lilyturf, ophiopogon (*Ophiopogon* sp.)
Liriope sp. (lilyturf)
Litchi chinensis Sonner (lychee)
Livistona sp. (palm)
L. chinensis (Jacq.) R. Br. (Chinese fan palm)
Lonicera sp. (honeysuckle)
 lychee (*Litchi chinensis* Sonner)
Macadamia sp. (macadamia nut; queensland nut)
Magnolia virginiana L. (sweet bay)
Malpighia sp. (hog gooseberry)
M. glabra L. (Barbados cherry)
Mammea africana G. Don (see *Ochrocarpus africanus* Oliver)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 mangosteen (*Garcinia mangostana* L.)
Mascarena sp. (palm)
Melaleuca leucadendron L. (punk tree)
Monstera deliciosa Liebm. (ceriman)
Morus sp. (mulberry)
 mountain ebony (*Bauhinia* sp.)
 mulberry (*Morus* sp.)
Musa paradisiaca L. 'Sapientum' Kuntze (banana)
 myrtle (*Myrtus* sp.)
Myrtus sp. (myrtle)
 natal-orange (*Strychnos spinosa* Lam.)
Nerium sp. (oleander)
 nettlespurge, bellyache (*Jatropha gossypifolia* L.)
 nickernut (*Caesalpinia sappan* L.)
 oak, European (*Quercus* sp.)
 oak, Japanese (*Quercus* sp.)
 oak, silk (*Grevillea* sp.)
Ochrocarpus africanus Oliver
 oldman's beard (*Clematis vitalba* L.)
Olea sp. (olive)
 oleander (*Nerium* sp.)
 oleaster (*Elaeagnus* sp.)
 olive (*Olea* sp.; *Osmanthus* sp.)
 olive, Russian (*Elaeagnus* sp.)
Oncidium sp. (orchid)
Ophiopogon sp. (ophiopogon lilyturf)
Opuntia ramosissima Engel. (diamond cholla; pencil cactus)
 orange, sour (*Citrus aurantium* L.)
 orange, sweet (*Citrus sinensis* Osbeck)
 orange, temple (*Citrus reticulata* Blanco x *C. sinensis* (L.) Osbeck 'Temple')
Orbignya cohune Barb. Rodr. (cohune palm)
 orchid (*Cynoches cholorochilon* Klotzsch; *Oncidium* sp.)
 orchid-tree, Florida (*Bauhinia* sp.)

*Scientific name could not be verified.

- Osmanthus* sp. (olive)
 palmetto, dwarf saw (*Rhapidophyllum hystrix* (Pursh) H. Wendl. & Drude)
 palms:
Arenga pinnata (Wurmb) Merr.
Attalea sp.
Balaka seemannii (Wendl.) Becc.
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 Canary Island date (*Phoenix canariensis* Chaub.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
Chamaerops sp.
 Chinese fan (*Livistona chinensis* (Jacq.) R. Br.)
 Chinese windmill (*Trachycarpus fortunei* H. Wendl.)
 Christmas (*Veitchia merrillii* (Becc.) Moore)
 coconut (*Cocos nucifera* L.)
 cohune (*Orbignya cohune* Barb. Rodr.)
Corypha umbraculifera L.
 Cuban royal (*Roystonea regia* O. F. Cook)
 dwarf date (*Phoenix roebelenii* O'Brien)
Dypsis sp.
 Everglade (*Acoelorrhaphie wrightii* (Griseb. & Wendl.) Wendl. & Becc.)
 fan (*Livistona* sp.)
 feather (*Dictyosperma* sp.)
 gru-gru (*Acrocomia* sp.)
Heterospathe sp.
Hyphaene sp.
 jelly (*Butia capitata* (Mart.) Becc.)
Kentia sp.
 latan (*Latania* sp.)
 Manila (*Veitchia merrillii* (Becc.) Moore)
Mascarena sp.
 needle (*Rhapidophyllum hystrix* (Pursh) H. Wendl. & Drude)
Phoenix pusilla Gaertn.
P. rupicola T. And.
P. sylvestris (Linn.) Roxbg.
 pigmy date (*Phoenix roebelenii* O'Brien)
 pindo (*Butia capitata* (Mart.) Becc.)
 princess (*Dictyosperma* sp.)
Pritchardia sp.
 queen (*Arecastrum romanzoffianum* Becc.)
 sago (*Cycas revoluta* Thunb.)
 senegal date (*Phoenix reclinata* Jacq.)
 sentry (*Howeia* sp.)
 solitaire (*Ptychosperma elegans* (R. Br.) Blume)
Thrinax sp.
Washingtonia filifera (L. Linden) H. Wendl.
 windmill, Chinese (*Trachycarpus fortunei* H. Wendl.)
 Panama hat plant (*Carludovica palmata* R. & P.)
Pandanus veitchii Dall. (screw pine)
 papyrus (*Cyperus papyrus* L.)
Parkinsonia aculeata L. (Jerusalem-thorn)
 pecan (*Carya illinoensis* Koch)
 periwinkle (*Vinca major* L.)
Persea sp. (bay)
P. americana Mill (avocado)
 philodendron (*Philodendron sodiroi* Hort.)
Philodendron sodiroi Hort. (philodendron)
Phoenix canariensis Chaub. (Canary Island date palm)
P. pusilla Gaertn. (palm)
P. reclinata Jacq. (senegal date palm)
P. roebelenii O'Brien (dwarf date palm; pigmy date palm)
P. rupicola T. And. (palm)
P. sylvestris (Linn.) Roxbg. (palm)
 pine, Australian (*Casuarina stricta* Dry.)
 pine, cypress (*Callitris robusta* R. Br.)
 pine, kauri (*Agathis australis* Salisb.)
 pine, Norfolk Island (*Araucaria excelsa* R. Br.)
 pine, screw (*Pandanus veitchii* Dall.)
 pitanga (*Eugenia uniflora* L.)
 plum, natal (*Carissa grandiflora* A. DC.)
Podocarpus sp.
 privet, wax (*Ligustrum japonicum* Thunb.)
Pritchardia sp. (palm)
Prunus caroliniana (Mill.) Ait. (laurelcherry; Carolina laurelcherry; cherry laurel)
Psidium sp. (guava)
Ptychosperma elegans (R. Br.) Blume (solitaire palm)
 punk tree (*Melaleuca leucadendron* L.)
Pyracantha sp. (firethorn)
 queensland nut (*Macadamia* sp.)
Quercus sp. (European oak; Japanese oak)
 rattle-box (*Crotalaria spectabilis* Roth)
Rhaphiolepis indica Lindl. (India hawthorn)
Rhapidophyllum hystrix (Pursh) H. Wendl. & Drude (dwarf saw palmetto; needle palm)
Roystonea regia O. F. Cook (Cuban royal palm)
 rusty fig (*Ficus rubiginosa* Vent.)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
 sakaki (*Cleyera japonica* (L.) Thunb.)
Salix sp. (willow)
 seminole bread (*Zamia integrifolia* Ait.)
Sesuvium sp. (sesuvium)
Smilax laurifolia L. (bamboo brier)
Strelitzia reginae Banks (bird-of-paradise)
Strychnos spinosa Lam. (kafir-orange; natal-orange)
Syzygium sp. (malay apple)
 tangerine (*Citrus reticulata* Blanco)
 tea, Arabian (*Catha edulis* Forsk.)
Thrinax sp. (palm)
Thuja orientalis L. (oriental arborvitae)
T. orientalis var. *stricta* Loud. (pyramidal arborvitae)
Trachelospermum jasminoides Lem. (Confederate jasmine; star jasmine)
Trachycarpus fortunei H. Wendl. (Chinese windmill palm)
Veitchia merrillii (Becc.) Moore (Christmas palm; Manila palm)
Viburnum suspensum Lindl.

V. tinus L. (laurestinus)
Vinca major L. (periwinkle)
Vitis sp. (grape)
Vriesia x mariae Ed. Andre.
Washingtonia filifera (Linden) Wendl. (palm)
 willow (*Salix* sp.)
Yucca sp. (beargrass)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (coontie "fern"; comptie;
 seminole bread)

CIRCULASPIS FISTULELLA FERRIS — salt grass scale

cord grass, saltmeadow (*Spartina patens* (Ait.) Muhl.)
Distichlis sp. (salt grass)
 salt grass (*Distichlis* sp.)
Spartina patens (Ait.) Muhl. (saltmeadow cord grass)

CLAVASPIS BARBIGERA FERRIS — barbiger scale

Bursera simaruba (L.) Sarg. (gumbo-limbo)
 gumbo-limbo (*Bursera simaruba* (L.) Sarg.)
 mastic (*Schinus* sp.)
Mimusops sp.
Schinus sp. (mastic)

CLAVASPIS COURSETIAE (MARLATT) — pigeon plum scale

Bursera simaruba (L.) Sarg. (gumbo-limbo)
 buttonwood (*Conocarpus erectus* L.)
Coccoloba diversifolia Jacq. (pigeon plum)
C. floridana Meiss. (see *Coccoloba diversifolia* Jacq.)
 dogwood, Jamaica (*Piscidia piscipula* (L.) Sarg.)
 gumbo-limbo (*Bursera simaruba* (L.) Sarg.)
 pigeon plum (*Coccoloba diversifolia* Jacq.)
Piscidia piscipula (L.) Sarg. (Jamaica dogwood)

CLAVASPIS HERCULEANA (DOANE & HAD-DEN) — herculeana scale

Acacia farnesiana Willd. (popinac)
 alamo (*Ficus religiosa* L.)
Albizzia distachya Mach. (plume albizzia)
A. julibrissin Durazz. (silk-tree)
A. lebeck Benth. (womans-tongue tree; siris-tree; lebeck-tree)
 albizzia, plume (*Albizzia distachya* Mach.)
Avicennia nitida Jacq. (black mangrove)
Bauhinia variegata L. (orchid tree)
 bo-tree (*Ficus religiosa* L.)
Bougainvillea sp.
Bursera simaruba (L.) Sarg. (gumbo-limbo)
Calycophyllum candidissimum (Vahl.) DC.
 cassia (*Cassia fistula* L.)
Cassia fistula L. (golden shower tree; pudding-pipe tree; cassia)

Eriobotrya japonica L. (loquat)
Ficus capensis Thunb. (cape fig)
F. religiosa L. (peepul, bo-tree, alamo, sacred fig)
F. roxburghii Wall. (roxburgh fig)
 fig, cape (*Ficus capensis* Thunb.)
 fig, roxburgh (*Ficus roxburghii* Wall.)
 fig, sacred (*Ficus religiosa* L.)
 golden shower tree (*Cassia fistula* L.)
 gumbo-limbo (*Bursera simaruba* (L.) Sarg.)
 hogplum (*Spondias* sp.)
 lebeck-tree (*Albizzia lebeck* Benth.)
 loquat (*Eriobotrya japonica* L.)
Mangifera cambodiana (see *M. indica* L.) (Cambodiana is a seedling.)
M. indica L. (mango)
 mango (*Mangifera indica* L.)
 mangrove, black (*Avicennia nitida* Jacq.)
 mangrove, red (*Rhizophora mangle* L.)
Metopium toxiferum (L.) Krug & Urban (Florida poisonwood)
 olive, wild (*Osmanthus* sp.)
 orchid-tree (*Bauhinia variegata* L.)
Osmanthus sp. (wild olive)
 peepul (*Ficus religiosa* L.)
 plum (*Prunus* sp.)
 poisonwood, Florida (*Metopium toxiferum* (L.) Krug & Urban)
 popinac (*Acacia farnesiana* Willd.)
Prunus sp. (plum)
 pudding-pipe tree (*Cassia fistula* L.)
Rhizophora mangle L. (red mangrove)
 senna (*Cassia* sp.)
 silk-tree (*Albizzia julibrissin* Durazz.)
 siris-tree (*Albizzia lebeck* Benth.)
Spondias sp. (hogplum)
 womans-tongue tree (*Albizzia lebeck* Benth.)

COMSTOCKIELLA SABALIS (COMSTOCK) — palmetto scale

Acoelorrhaphe wrightii (Griseb. & Wendl.) Wendl. & Becc.
Agave sp.
Arecastrum romanzoffianum Becc. (queen palm)
Butia capitata (Mart.) Becc. (South American jelly-palm)
Chamaerops humilis L. (European fan palm)
Cocos nucifera L. (coconut palm)
Hyphaene crinita Gaertn. (palm)
Latania sp. (latan palm)
Livistona chinensis (Jacq.) R. Br. (Chinese fan palm)
 palmetto, bush (*Sabal minor* (Jacq.) Pers.)
 palmetto, dwarf (*Sabal minor* (Jacq.) Pers.)
 palmetto, scrub (*Sabal etonia* Swingle)
 palms:
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 Canary Island date (*Phoenix canariensis* Chaub.)

Caribbean royal (*Roystonea oleracea* (N. J. Jacquin) O. F. Cook)
 Chinese fan (*Livistona chinensis* (Jacq.) R. Br.)
 coconut (*Cocos nucifera* L.)
 European fan (*Chamaerops humilis* L.)
 Everglade (*Acoelorrhaphe wrightii* (Griseb. & Wendl.) Wendl. & Becc.)
Hyphaene crinita Gaertn.
 latan (*Latania* sp.)
 needle (*Rhapidophyllum hystrix* (Pursh) H. Wendl. & Drude)
Phoenix dactylifera L.
 Puerto Rican hat (*Sabal causiarum* Becc.)
 queen (*Arecastrum romanzoffianum* Becc.)
 royal (*Roystonea* sp.)
 scrub (*Sabal etonia* Swingle)
Serenoa repens (Bartr.) Small
 South American jelly (*Butia capitata* (Mart.) Becc.)
Thrinax sp.
Washingtonia sp.
Paurotis wrightii (Griseb. & Wendl.) Britton (see *Acoelorrhaphe wrightii*)
Phoenix canariensis Chaub. (Canary Island date palm)
P. dactylifera L. (palm)
Rhapidophyllum hystrix (Pursh) H. Wendl. & Drude (needle palm)
Roystonea sp. (royal palm)
R. oleracea (N. J. Jacquin) O. F. Cook (Caribbean royal palm)
Sabal causiarum Becc. (Puerto Rican hat palm)
S. etonia Swingle (scrub palmetto)
S. minor (Jacq.) Pers. (bush palmetto; dwarf palmetto)
S. palmetto (Walt.) Lodd. (cabbage palm)
Serenoa repens (Bartr.) Small (palm)
Thrinax sp. (palm)
Washingtonia sp. (palm)

DIASPIDIOTUS ANCYLUS (PUTNAM) — Putnam scale

Acer sp. (maple)
Carya sp. (hickory)
C. illinoensis Koch (pecan)
Castanea sp. (chestnut)
C. mollissima Blume (Chinese chestnut)
Celtis laevigata Willd. (hackberry; sugarberry)
 chestnut, Chinese (*Castanea mollissima* Blume)
Cornus florida L. (flowering dogwood)
Diospyros sp. (persimmon)
 dogwood, flowering (*Cornus florida* L.)
 elm (*Ulmus* sp.)
Eriobotrya japonica Thunb. (loquat)
Forsythia sp. (golden bell)
Gaylussacia sp. (huckleberry)
 golden bell (*Forsythia* sp.)
 grape (*Vitis* sp.)
 hackberry (*Celtis laevigata* Willd.)
 hickory (*Carya* sp.)

huckleberry (*Gaylussacia* sp.)
Juglans sp. (English walnut)
 loquat (*Eriobotrya japonica* Thunb.)
 maple (*Acer* sp.)
 oak (*Quercus* sp.)
 pear (*Pyrus* sp.)
 pecan (*Carya illinoensis* Koch)
 persimmon (*Diospyros* sp.)
Platanus sp. (sycamore)
Pyrus sp. (pear)
Quercus sp. (oak)
Rhus sp. (sumac)
 sugarberry (*Celtis laevigata* Willd.)
 sumac (*Rhus* sp.)
 sycamore (*Platanus* sp.)
Ulmus sp. (elm)
Vitis sp. (grape)
 walnut, English (*Juglans* sp.)

DIASPIDIOTUS CONIFERARUM (COCKERELL) — conifer scale

cedar, red (*Juniperus virginiana* L.)
Juniperus virginiana L. (red cedar)

DIASPIDIOTUS LIQUIDAMBARIS (KOTINSKY) — sweetgum scale

Acer sp. (maple)
Liquidambar styraciflua L. (sweetgum)
 maple (*Acer* sp.)
 sweetgum (*Liquidambar styraciflua* L.)

DIASPIDIOTUS MCCOMBIE MCKENZIE — McComb pine scale

pine (*Pinus clausa* (Chapm.) Vasey)
Pinus clausa (Chapm.) Vasey (pine)

DIASPIDIOTUS OSBORNI (NEWELL & COCKERELL) — Osborn scale

Acer sp. (maple)
 beech, American (*Fagus grandifolia* Ehrh.)
Carya sp. (hickory)
C. illinoensis Koch (pecan)
Fagus grandifolia Ehrh. (American beech)
 grape (*Vitis* sp.)
 hickory (*Carya* sp.)
Magnolia soulangeana Soul.
 maple (*Acer* sp.)
 oak, sand post (*Quercus stellata* Wangenh. var. *margaretta* (Ashe) Sarg.)
 pecan (*Carya illinoensis* Koch)
Quercus stellata Wangenh. var. *margaretta* (Ashe) Sarg. (sand post oak)
Vitis sp. (grape)

DIASPIDIOTUS UVAE (COMSTOCK) — grape scale

grape (*Vitis* sp.)
Vitis sp. (grape)

DIASPIS BOISDUVALII SIGNORET — Boisduval scale

Acoelorrhaphe wrightii (Griseb. & Wendl.) Wendl. & Becc. (Everglade palm)
Acrocomia totai Mart. (gru-gru palm)
Aechmea bromeliaefolia Baker (bromeliad)
A. caudata Lindman 'Variegata'
A. chantini Baker (bromeliad)
A. distans Griseb. (see *Hohenbergia distans* (Griseb.) Bak.)
Aerides vandarum Reichb. f. (orchid)
 air plant (*Bromelia* sp.)
Ajuga reptans L. (bugle weed)
Ananas comosus Merr. (pineapple)
Anthurium sp. (anthurium)
Archontophoenix alexandrae (F. Muell.) Wendl. & Drude (king palm)
Arecastrum romanzoffianum Becc. (queen palm)
 arrowroot (*Maranta leuconeura* Morr. 'Kerchoviana')
 banana (*Musa* sp.)
Billbergia sp. (billbergia)
B. pyramidalis Lindl. (bromeliad)
 bird-of-paradise (*Strelitzia nicolai* Regel & Koern.; *Strelitzia reginae* Banks)
Bletia purpurea (Lam.) DC. (pine pink)
Brassavola nodosa Lindl. (orchid)
Bromelia sp. (air plant)
 bromeliad: (*Aechmea bromelifolia* Baker; *Aechmea chantini* Baker; *Billbergia pyramidalis* Lindl.; *Nidularium procerum* Lindm.; *Tillandsia* sp.)
Broughtonia sanguinea R. Br. (orchid)
 bugle weed (*Ajuga reptans* L.)
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
 cactus
Caladium sp. (caladium)
Calathea sp.
Caryota sp. (fishtail palm)
Cattleya sp.
Cattleya sp. 'Athena III'
C. guttata Lindl. 'Alba'
C. labiata Lind. (autumn orchid)
C. x mantini Mant. (orchid)
C. sp. 'Margaret Moran'
Chamaedorea elegans Mart. (palm)
Chamaerops humilis L. (European fan palm)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Citrus aurantium L. (sour orange)
Cocos nucifera L. (coconut palm)
*Cryptbergia rubra**
Ctenanthe kummeriana Eichl. (ctenanthe)
Cycas revoluta Thunb. (sago-palm)
Cyrtopodium punctatum (L.) Lindl. (cow horn orchid)
Dictyosperma sp. (princess palm)
 dove-flower (*Peristeria elata* Hook.)

Dracaena sp. (dracena)
Elaeis guineensis Jacq. (African oil palm)
Epidendrum aromaticum Batem (orchid)
E. cochleatum L.
*E. grieslachianum** (orchid)
E. mariae Ames (orchid)
E. nemorale Lindl. (orchid)
E. oncioides Lindl. (orchid)
E. pseudoepidendrum Rchb. f.
E. tampense Lindl. (orchid)
Eucomis comosa (Houtt.) Hort. ex Wehrh. (pineapple-flower)
Gongora sp. (orchid)
Hohenbergia distans (Griseb.) Bak.
 holyghost flower orchid (*Peristeria elata* Hook.)
Howeia belmoreana Becc. (belmore sentry palm)
Hymenocallis sp. (spider lily)
Laelia anceps Lindl. (orchid)
Laeliocattleya sp.
Latania commersonii Gmel. (see *L. lontaroides* (Gaertn.) Moore)
L. lontaroides (Gaertn.) Moore (red latan palm)
 lily, spider (*Hymenocallis* sp.)
Livistona sp. (fountain palm)
L. chinensis (Jacq.) R. Br. (Chinese fan palm)
Maranta sp. (arrowroot)
M. leuconeura Morr. 'Kerchoviana'
Mascarena sp. (palm)
Musa sp. (banana)
Nidularium procerum Lindm. (bromeliad)
Oncidium onustum Lindl.
O. pulchellum Hook.
O. quadripetalum Sw.
O. sphacelatum Lindl.
O. tetrapetalum Willd. (see *Oncidium quadripetalum* Sw.)
 orange, sour (*Citrus aurantium* L.)
 orchids:
Aerides vandarum Reichb. f.
 autumn (*Cattleya labiata* Lind.)
Brassavola nodosa Lindl.
Broughtonia sanguinea R. Br.
Cattleya sp. 'Athena III'
C. guttata Lindl. 'Alba'
C. x mantini Mant.
C. sp. 'Margaret Moran'
 cow horn (*Cyrtopodium punctatum* (L.) Lindl.)
Epidendrum aromaticum Batem
*E. grieslachianum**
E. mariae Ames
E. nemorale Lindl.
E. oncioides Lindl.
E. pseudoepidendrum Rchb. f.
E. tampense Lindl.
Gongora sp.
Laelia anceps Lindl.
Laeliocattleya sp.
Oncidium onustum Lindl.
O. pulchellum Hook.
O. quadripetalum Sw.

*Authority for genus and species could not be found.

- O. sphacelatum* Lindl.
O. tetrapetalum Willd. (see *Oncidium quadri-*
petalum Sw.)
Phaius sp.
Stanhopea tigrina Batem.
Vanda sp.
 palms:
 African oil (*Elaeis guineensis* Jacq.)
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 Canary Island date (*Phoenix canariensis*
 Chaub.)
 cane, golden (*Chrysalidocarpus lutescens*
 Wendl.)
 Chamaedorea elegans Mart.
 Chinese fan (*Livistona chinensis* (Jacq.) R. Br.)
 coconut (*Cocos nucifera* L.)
 dwarf date (*Phoenix roebelenii* O'Brien)
 Everglade (*Acoelorrhaphe wrightii* (Griseb. &
 Wendl.) Wendl. & Becc.)
 European fan (*Chamaerops humilis* L.)
 fishtail (*Caryota* sp.)
 fountain (*Livistona* sp.)
 gru-gru (*Acrocomia totai* Mart.)
 jelly (*Butia capitata* (Mart.) Becc.)
 key thatch (*Thrinax parviflora* Swartz)
 king (*Archontophoenix alexandrae* (F. Muell.)
 Wendl. & Drude)
 lady- (*Rhapis* sp.)
 latan, red (*Latania lontaroides* (Gaertn.)
 Moore)
 Mascarena sp.
 needle (*Rapidophyllum hystrix* (Pursh) H.
 Wendl. & Drude)
 Phoenix humilis Royle (see *Phoenix loureirii*
 Kunth)
 P. loureirii Kunth
 P. rupicola T. And.
 pigmy date (*Phoenix roebelenii* O'Brien)
 pindo (*Butia capitata* (Mart.) Becc.)
 princess (*Dictyosperma* sp.)
 Ptychosperma sp.
 queen (*Arecastrum romanzoffianum* Becc.)
 royal (*Roystonea* sp.)
 sago- (*Cycas revoluta* Thunb.)
 senegal date (*Phoenix reclinata* Jacq.)
 sentry, belmore (*Howeia belmoreana* Becc.)
 traveler's (*Ravenala madagascariensis* Sonn.)
 Washingtonia sp.
 windmill (*Trachycarpus fortunei* H. Wendl.)
Pandanus sp. (screwpine)
Paurotis wrightii (Griseb.) Britton (see *Acoelorrhaphe wrightii*)
Peristeria elata Hook. (hollyghost flower orchid;
 dove-flower)
Phaius sp. (orchid)
Philodendron verrucosum Math. (philodendron)
Phoenix canariensis Chaub. (Canary Island date
 palm)
P. humilis Royle (see *Phoenix loureirii*)
P. loureirii Kunth (palm)
P. reclinata Jacq. (senegal date palm)
P. roebelenii O'Brien (dwarf date palm; pigmy
 date palm)
P. rupicola T. And. (palm)
 pine, pink (*Bletia purpurea* (Lam.) DC.)
 pineapple (*Ananas comosus* Merr.)
 pineapple flower (*Eucomis comosa* (Houtt.) Hort.
 ex Wehrh.)
Ptychosperma sp. (palm)
Ravenala madagascariensis Sonn. (traveler's
 palm)
Rapidophyllum hystrix (Pursh) H. Wendl. &
 Drude (needle palm)
Rhapis sp. (lady-palm)
Rhyncostylis retusa (L.) Bl.
Roystonea sp. (royal palm)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
 screwpine (*Pandanus* sp.)
Stanhopea tigrina Batem. (orchid)
Strelitzia nicolai Regel & Koern. (bird-of-
 paradise)
S. reginae Banks (bird-of-paradise)
Thrinax parviflora Swartz (key thatch palm)
Tillandsia aeranthos (Loisel) L. B. Smith
T. bulbosa Hook.
T. cyanea E. Morr.
T. ionantha Planch.
T. ixioides Griseb.
T. pulchella Hook.
T. rectangula Baker
*T. streptocarpa**
Trachycarpus fortunei H. Wendl. (windmill palm)
Vanda sp. (orchid)
Washingtonia sp. (palm)
Yucca sp.
 DIASPIS BROMELIAE (KERNER) — pineapple
 scale
 Aechmea sp. (bromeliad)
 Ananas sp. (pineapple)
 Arecastrum romanzoffianum Becc. (queen palm)
 Billbergia sp.
 Bromelia sp. (bromeliad)
 bromeliad (*Aechmea* sp.; *Bromelia* sp.; *Tillandsia*
 regina Vell.)
 cactus
 Cattleya sp. (orchid)
 chalice-vine (*Solandra* sp.)
 Epidendrum tampense Lindl. (orchid)
 Eucomis comosa (Houtt.) Hort. ex Wehrh. (pine-
 apple flower)
 Neoreglia sp. 'Magonally'*
 Odontoglossum schlieperianum Reichb. (orchid)
 orchid (*Cattleya* sp.; *Epidendrum tampense*
 Lindl.; *Odontoglossum schlieperianum* Reichb.)
 palm, queen (*Arecastrum romanzoffianum* Becc.)
 pineapple (*Ananas* sp.)
 pineapple flower (*Eucomis comosa* (Houtt.) Hort.
 ex Wehrh.)

*Authority for genus and species could not be found.

Solandra sp. (chalice-vine)
Tillandsia recurvata L.
T. regina Vell. (bromeliad)
Vriesia imperialis Carrier (see *Tillandsia regina* Vell.)
V. x mariae Ed. Andre.

DIASPIS COCCOIS LICHTENSTEIN — coccois scale

Epidendrum aromaticum Batem. (orchid)
Laelia speciosa (HBK) Schltr. (orchid)
 orchid (*Epidendrum aromaticum* Batem.; *Laelia speciosa* (HBK) Schltr.)

DIASPIS DIGNUS HOKE — dignus scale

Eryngium aromaticum Baldw. (eryngo)
E. aquaticum L. (button snakeroot)
E. yuccifolium Michx. (button snakeroot)
 eryngo (*Eryngium aromaticum* Baldw.)
 lilyturf (*Liriope spicata* Lour.)
Liriope spicata Lour. (lilyturf)
 snakeroot, button (*Eryngium aquaticum* L.; *E. yuccifolium* Michx.)

DIASPIS ECHINOCACTI (BOUCHÉ) — cactus scale

Billbergia sp.
 bromeliad
 cactus (*Cephalocereus* sp.; *Cereus peruvianus* Haw.; *Mammillaria* sp.)
 cactus, Christmas (*Zygocactus truncatus* (Haw.) K. Schu.)
 cactus, cow tongue (*Gasteria* sp.)
 cactus, hedge (*Cereus peruvianus* Haw.)
 cactus, leaf (*Epiphyllum* sp.)
 cactus, Peruvian (*Cereus peruvianus* Haw.)
 cactus, prickly pear (*Opuntia elata* Link & Otto)
Carissa grandiflora A. DC. (natal plum)
Cattleya dowiana Batem. 'Alba' (orchid)
Cephalocereus sp. (cactus)
 cereus, night-blooming (*Hylocereus* sp.)
Cereus peruvianus Haw. (Peruvian cactus; hedge cactus)
Epidendrum sp. (orchid)
Epiphyllum sp. (leaf cactus)
Euphorbia tetragona A. Rich.
Gasteria sp. (cow tongue cactus)
Homalocladium platycladum Bailey (ribbon-bush)
Hylocereus sp. (night-blooming cereus)
 lemon-vine (*Pereskia* sp.)
Mammillaria sp. (cactus)
Opuntia brasiliensis (Willd.) Haworth
O. elata Link & Otto (prickly pear cactus)
O. rufida Engelmann (blind pear cactus)
 orchid (*Cattleya dowiana* Batem. 'Alba'; *Epidendrum* sp.; *Vanda* sp.)
Pereskia sp. (lemon-vine)

plum, natal (*Carissa grandiflora* A. DC.)
 ribbon-bush (*Homalocladium platycladum* Bailey)
Schlumbergera bridgesi Lofgren (see *Zygocactus truncatus* (Haworth) Schumann)
Vanda sp. (orchid)
Zygocactus truncatus 'Delicatus'
Z. truncatus (Haworth) Schumann (Christmas cactus)

DUPLASPIDIOTUS CLAVIGER (COCKERELL) — camellia mining scale

Annona sp. (custard apple)
 apple, custard (*Annona* sp.)
 apple, rose- (*Syzygium jambos* Alston)
Artocarpus heterophyllus Lam. (jackfruit; jakfruit)
Averrhoa carambola Linn. (carambola)
 azalea (*Rhododendron* sp.)
 beauty-berry (*Callicarpa americana* L.)
 bo-tree (*Ficus religiosa* L.)
 bottlebrush (*Callistemon* sp.)
 boxorange, Chinese (*Severinia buxifolia* (Poir.) Ten.)
 boxwood (*Buxus* sp.)
Buxus sp. (boxwood)
 Caesar's weed (*Urena lobata* L.)
Callicarpa americana L. (beauty-berry)
Callistemon sp. (bottlebrush)
Camellia japonica L.
C. japonica L. 'Gigantea'
C. sasanqua Thunb.
C. sinensis (L.) Kuntze (tea)
 carambola (*Averrhoa carambola* Linn.)
Carya illinoensis Koch (pecan)
Cestrum sp. (jessamine)
 cherry, Australian brush (*Eugenia paniculata* Banks)
 cherry, bush (*Prunus* sp.)
 cherry, brush (*Eugenia* sp.)
 cherrylaurel (*Prunus caroliniana* (Mill.) Ait.)
 cherry, surinam (*Eugenia uniflora* L.)
Coffea sp. (coffee)
 coffee (*Coffea* sp.)
Cornus florida L. (flowering dogwood)
 crape-myrtle (*Lagerstroemia* sp.)
 dewdrop, golden (*Duranta repens* L.)
 dogwood, flowering (*Cornus florida* L.)
Duranta repens L. (golden dewdrop)
Eugenia sp. (brushcherry)
E. jambolana Lam. (Java plum)
E. paniculata Banks (Australian brushcherry)
E. uniflora L. (surinam cherry)
Eurya japonica Thunb.
Ficus benjamina L. 'Exotica'
F. elastica Roxb. (Indiarubber fig)
F. pumila L. (creeping fig)
F. religiosa L. (peepul; bo-tree)
 fig, creeping (*Ficus pumila* L.)
 fig, Indiarubber (*Ficus elastica* Roxb.)

Fortunella sp. (kumquat)
Gardenia sp.
G. jasminoides Ellis (cape jasmine)
 glory bush (*Tibouchina* sp.)
 guava (*Psidium* sp.)
Hibiscus sp.
 holly, American (*Ilex opaca* Ait.)
 huckleberry (*Vaccinium nitidum**)
Ilex americana (see *Ilex opaca* Ait.)
I. opaca Ait. (American holly)
I. vomitoria Ait. (yaupon)
 ivy, poison (*Rhus radicans* L.)
 jackfruit (*Artocarpus heterophyllus* Lam.)
 jakfruit (*Artocarpus heterophyllus* Lam.)
 jambolan (*Syzygium cuminii* (L.) Skeels)
 jasmine, cape (*Gardenia jasminoides* Ellis)
 jasmine, sambac (*Jasminum sambac* Ait.)
Jasminum sambac Ait. (sambac jasmine)
 jessamine (*Cestrum* sp.)
 kumquat (*Fortunella* sp.)
Lagerstroemia sp. (crape-myrtle)
Ligustrum japonicum Thunb. (ligustrum)
 macadamia nut (*Macadamia ternifolia* F. Muell.)
 mahogany (*Swietenia* sp.)
Melaleuca leucadendron L. (punk tree)
Myrica cerifera L. (wax-myrtle)
 oak (*Quercus* sp.)
 olive (*Osmanthus* sp.)
Osmanthus sp. (olive)
O. heterophyllus (G. Don) P. S. Green
 pecan (*Carya illinoensis* Koch)
 peepul (*Ficus religiosa* L.)
 pepper-tree, Brazilian (*Schinus terebinthifolius* Raddi)
 plum, jambolan (*Syzygium cuminii* Skeels)
 plum, Java (*Eugenia jambolana* Lam.)
Prunus sp. (bush cherry)
P. caroliniana (Mill.) Ait. (cherry-laurel)
Psidium sp. (guava)
 punk tree (*Melaleuca leucadendron* L.)
Pyracantha sp. (firethorn)
Quercus sp. (oak)
Rhododendron sp. (azalea)
Rhus radicans L. (poison ivy)
Rosa sp. (rose)
 rose (*Rosa* sp.)
Schinus terebinthifolius Raddi (Brazilian pepper-tree)
Severinia buxifolia (Poir.) Ten. Chinese box-orange)
Swietenia sp. (mahogany)
Syzygium cuminii Skeels (jambolan plum)
S. jambos Alston (rose-apple)
 tea (*Camellia sinensis* (L.) Kuntze)
Tibouchina sp. (glory bush)
Urena lobata L. (Caesar's weed)
*Vaccinium nitidum** (huckleberry)
Viburnum suspensum Ten. (viburnum)
 wax-myrtle (*Myrica cerifera* L.)
 yaupon (*Ilex vomitoria* Ait.)

DUPLASPIDIOTUS TESSERATUS (GRANDPRÉ & CHARMOY) — tessetate scale

ash, prickly (*Zanthoxylum* sp.)
 azalea (*Rhododendron* sp.)
 bay, bull (*Magnolia grandiflora* L.)
 blueberry (*Vaccinium* sp.)
 bottlebrush (*Callistemon* sp.)
 boxwood, Japanese (*Buxus microphylla* Seib. & Zucc. var. *japonica* Rehd & Wils.)
Buxus microphylla Sieb. & Zucc. var. *japonica* Rehd. & Wils.)
Callistemon sp. (bottlebrush)
Camellia japonica L.
C. sasanqua Thunb.
 cedar (*Cedrus* sp.)
Cedrus sp. (cedar)
 cherry (*Prunus* sp.)
Coccoloba diversifolia Jacq. (dove plum; pigeon plum)
Ficus carica L. (common fig)
 fig, common (*Ficus carica* L.)
Hibiscus sp.
 jaboticaba (*Myrciaria cauliflora* Berg)
 lancewood (*Nectandra coriacea* (Sw.) Griseb.)
Magnolia grandiflora L. (bullbay)
Myrica cerifera L. (wax-myrtle)
Myrciaria cauliflora Berg (jaboticaba)
Nectandra coriacea (Sw.) Griseb. (lancewood)
Ocotea catesbyana (see *Nectandra coriacea* (Sw.) Griseb.)
 plum, dove (*Coccoloba diversifolia* Jacq.)
 plum, pigeon (*Coccoloba diversifolia* Jacq.)
Prunus sp. (cherry)
Rhododendron sp. (azalea)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
 sparkleberry (*Vaccinium arboreum* Marsh.)
 toothache tree (*Zanthoxylum clava-herculis* L.)
 wax-myrtle (*Myrica cerifera* L.)
Vaccinium sp. (blueberry)
V. arboreum Marsh. (sparkleberry)
Zanthoxylum sp. (prickly ash)
Z. clava-herculis L. (toothache tree)

EPIDIASPIS TILLANDSIAE TAKAGI AND TIPPINS — Spanish-moss scale

moss, Spanish (*Tillandsia usneoides* L.)
Tillandsia usneoides L. (Spanish moss)

FIORINIA FIORINIAE (TARGIONI-TOZZETTI) — fiorinia scale

Asparagus plumosus Baker (asparagus fern)
A. sprengeri Regel (fern)
 avocado (*Persea americana* Mill.)
 bay, loblolly (*Gordonia lasianthus* (L.) Ellis)
 bay, red (*Persea borbonia* (L.) Spreng.)
 bay, shore (*Persea littoralis* Small)
 bay, swamp (*Persea palustris* (Raf.) Sarg.)
 bottlebrush (*Callistemon speciosus* DC.; *C. rigidus* R. Br.)

*Authority for genus and species could not be found.

cajeput (*Melaleuca leucadendra* L.)
Callistemon rigidus R. Br. (bottlebrush)
C. speciosus DC. (bottlebrush)
Camellia japonica L.
 camphor tree (*Cinnamomum* sp.)
Chamaedora elegans Mart. (palm)
Chamaerops humilis L. (European fan palm)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Cinnamomum sp. (camphor tree)
Cocos nucifera L. (coconut palm)
Dictyosperma album (Bory) Wendl. & Drude (common princess palm)
D. album (Bory) Wendl. & Drude 'Rubrum' (princess palm)
 fern (*Asparagus sprengeri* Regel)
 fern, asparagus (*Asparagus plumosus* Baker)
Gordonia lasianthus (L.) Ellis (loblolly bay)
Hedera sp. (ivy)
 holly, American (*Ilex opaca* Ait.)
Howea belmoreana Becc. (Belmore sentry palm)
H. forsteriana (Moore & F. Muell.) Becc. (Forester sentry palm)
Ilex opaca Ait. (American holly)
 ivy (*Hedera* sp.)
Latania sp. (latan palm)
Macadamia ternifolia F. Muell. (queensland nut)
Magnolia grandiflora L. (southern magnolia)
M. virginiana L. (sweet bay)
Mascarena lagenicaulis Bailey (bottle palm)
Melaleuca leucadendra L. (punk tree; cajeput)
 palms:
 bottle (*Mascarena lagenicaulis* Bailey)
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 Canary Island date (*Phoenix canariensis* Chaub.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
 Chaemaedora elegans Mart.
 coconut (*Cocos nucifera* L.)
 dwarf date (*Phoenix roebelenii* O'Brien)
 European fan (*Chamaerops humilis* L.)
 latan (*Latania* sp.)
 pigmy date (*Phoenix roebelenii* O'Brien)
 princess (*Dictyosperma album* (Bory) Wendl. & Drude 'Rubrum')
 royal (*Roystonea* sp.)
 sentry, Belmore (*Howea belmoreana* Becc.)
 sentry, Forester (*Howea forsteriana* (Moore & F. Muell.) Becc.)
 Thrinax sp.
 Washingtonia sp.
 windmill (*Trachycarpus fortunei* H. Wendl.)
 paper plant, rice (*Tetrapanax papyriferus* Koch)
Persea americana Mill. (avocado)
P. borbonia (L.) Spreng. (red bay)
P. littoralis Small (shore bay)
P. palustris (Raf.) Sarg. (swamp bay)

Phoenix canariensis Chaub. (Canary Island date palm)
P. roebelenii O'Brien (dwarf date palm; pigmy date palm)
 punk tree (*Melaleuca leucadendra* L.)
 queensland nut (*Macadamia ternifolia* F. Muell.)
Roystonea sp. (royal palm)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
 sweet bay (*Magnolia virginiana* L.)
Tetrapanax papyriferus Koch (rice paper plant)
Thrinax sp. (palm)
Trachycarpus fortunei H. Wendl. (windmill palm)
Washingtonia sp. (palm)

FIORINIA THEAE GREEN — tea scale

Aucuba japonica Thunb. (Japanese aucuba)
 bay, loblolly (*Gordonia* sp.)
 bottlebrush (*Callistemon* sp.)
 burning bush (*Euonymus* sp.)
 cajeput (*Melaleuca leucadendra* L.)
 calamondin (*Citrus mitis* Blanco)
Callistemon sp. (bottlebrush)
Camellia japonica L.
C. japonica L. 'Adolphe Audusson'
C. sasanqua Thunb.
C. sinensis (L.) Kuntze (tea plant)
Citrus mitis Blanco (calamondin)
C. paradisi Macf. (grapefruit)
C. reticulata Blanco 'Unshiu' (satsuma)
Cornus sp. (dogwood)
 dogwood (*Cornus* sp.)
Euonymus sp. (burning bush)
Eurya japonica Thunb.
Ficus sp.
 flame vine, Mexican (*Senecio confusus* Britt.)
Fortunella sp. (kumquat)
Gardenia sp. (cape jasmine)
Gordonia sp. (loblolly bay)
 grapefruit (*Citrus paradisi* Macf.)
 holly, Burford (*Ilex cornuta* Lindl. & Paxton 'Burfordii')
 holly, Chinese (*Ilex cornuta* Lindl. & Paxton)
 holly, dahoon (*Ilex cassine* L.)
 holly, English (*Ilex aquifolium* L.)
 holly, Japanese (*Ilex crenata* Thunb. 'Rotundifolia')
Ilex aquifolium L. (English holly)
I. cassine L. (dahoon holly)
I. cornuta Lindl. & Paxton (Chinese holly)
I. cornuta Lindl. & Paxton 'Burfordii' (Burford holly)
I. crenata Thunb. 'Pendula'
I. crenata Thunb. 'Rotundifolia' (Japanese holly)
I. vomitoria Ait. (yaupon)
I. vomitoria Ait. 'Nana' (dwarf yaupon)
 jasmine, cape (*Gardenia* sp.)
 kumquat (*Fortunella* sp.)
Malpighia sp. (malpighia)

Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
Melaleuca leucadendra L. (cajeput; punk tree)
 olive, sweet or tea (*Osmanthus fragrans* Lour.)
 orange, trifoliolate (*Poncirus trifoliata* Raf.)
Osmanthus fragrans Lour. (sweet olive; tea olive)
Poncirus trifoliata Raf. (trifoliolate orange)
 punk tree (*Melaleuca leucadendra* L.)
 satsuma (*Citrus reticulata* Blanco 'Unshiu')
Senecio confusus Britt. (Mexican flame vine)
 sweetleaf, common (*Symplocos tinctoria* L.)
Symplocos tinctoria L. (common sweetleaf)
 tea plant (*Camellia sinensis* (L.) Kuntz)
 yaupon (*Ilex vomitoria* Ait.)
 yaupon, dwarf (*Ilex vomitoria* Ait. 'Nana')

FISSURASPIS ULMI (HOKE) — elm scale

elm, American (*Ulmus americana* L.)
Ulmus americana L. (American elm)

FURCASPIS BIFORMIS (COCKERELL) — orchid scale

Cattleya sp. (orchid)
Oncidium panamensis Schlechter (orchid)
 orchids:
Cattleya sp.
Oncidium panamensis Schlechter
Vanda teres (Roxb.) L.
V. teres (Roxb.) Ldl. x *V. hookeriana* Rchb. f.
Philodendron sp. (philodendron)
Vanda teres (Roxb.) L.
V. teres (Roxb.) Ldl. x *V. hookeriana* Rchb. f.

GENAPARLATORIA PSEUDASPIDIOTUS (LINDINGER) — vanda orchid scale

Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 orchid (*Vanda teres* (Roxb.) Ldl. 'Joaquim'; *V. sp.* 'Rose Marie')
Vanda teres (Roxb.) Ldl. 'Joaquim' (orchid)
V. sp. 'Rose Marie' (orchid)

GYMNASPIS AECHMEAE NEWSTEAD — fly-speck scale

Achimenes sp.
 aechmea (*Aechmea barleei* Baker)
Aechmea sp. (bromeliad)
A. barleei Baker (aechmea)
A. distans Baker Griseb. (see *Hohenbergia distans*)
A. fasciata Baker
A. fulgens Brongn.
 airbrom, violet trim (*Billbergia pyramidalis* Lindl.)
Ananas bracteata Schult. f. (pineapple)
Asparagus sprengeri Regel (fern)
Billbergia sp.

B. pyramidalis Lindl. (violet trim airbrom)
Bromelia serra Griseb. (bromeliad)
 bromeliad (*Aechmea* sp.; *Bromelia serra* Griseb.;
Guzmania sp.; *Neoregelia* sp.; *Vriesia* sp.)
Cryptanthus sp.
*Cryptbergia rubra**
Ctenanthe oppenheimiana Schum.
Epidendrum sp. (orchid)
Eucomis comosa (Houtt.) Hort. ex Wehr. (pine-apple flower)
 fern (*Asparagus sprengeri* Regel)
Guzmania sp. (bromeliad)
Hohenbergia distans (Griseb.) Bak.
Karatas triste (Regel) Baker
Neoregelia sp. (bromeliad)
Nidularium triste (see *Karatas triste* (Regel) Baker)
 orchid (*Epidendrum* sp.)
 pineapple (*Ananas bracteata* Schult. f.)
 pineapple flower (*Eucomis comosa* (Houtt.) Hort. ex Wehr.)
Vriesea sp. (bromeliad)

HALIASPIS ASYMMETRICA (FERRIS) — asymmetric scale

Eleusine sp. (wire grass)
 grass, saw (*Mariscus* sp.)
 grass, wire (*Eleusine* sp.)
Mariscus sp. (sawgrass)
 sawgrass (*Mariscus* sp.)

HALIASPIS PENINSULARIS HOWELL — marsh grass scale

Spartina spartinae (Trin.) Merr.

HALIASPIS SPARTINAE (COMSTOCK) — cord grass scale

Distichlis sp. (salt grass)
 grass, salt (*Distichlis* sp.)
 grass, smooth cord (*Spartina alternifolia* Loisel.)
Spartina alternifolia Loisel. (smooth cord grass)

HALIASPIS UNIOLAE TAKAGI — sea oat scale

saltmeadow cord grass (*Spartina patens* (Ait.) Muhl.)
Spartina patens (Ait.) Muhl. (saltmeadow cord grass)

HEMIBERLESIA DIFFINIS (NEWSTEAD) — diffinis scale

bay (*Persea* sp.)
 bay, bull (*Magnolia grandiflora* L.)
 buttonbush, common (*Cephalanthus occidentalis* L.)
Carya sp. (hickory)
C. illinoensis Koch (pecan)

*Authority for genus and species could not be found.

Cephalanthus occidentalis L. (common button-bush)
Diospyros virginiana L. (persimmon)
 elm, American (*Ulmus americana* L.)
 hickory (*Carya* sp.)
Magnolia grandiflora L. (bull bay)
Mimosa sp.
Nyssa sylvatica Marsh. (black tupelo)
 pecan (*Carya illinoensis* Koch)
Persea sp. (bay)
 persimmon (*Diospyros virginiana* L.)
 tupelo, black (*Nyssa sylvatica* Marsh.)
Ulmus americana L. (American elm)

HEMIBERLESIA LATANIAE (SIGNORET) —
 latania scale

Abelia sp.
Acacia farnesiana Willd. (popinac)
Acer sp. (maple)
A. negundo L. (boxelder)
A. palmatum Thunb. (Japanese maple)
Achras sapota L. (sapodilla)
Actinophloeus macarthurii Becc. (see *Ptychosperma macarthurii* (Wendl.) Nichols.)
 Adam's needle (*Yucca smalliana* Fern.)
Adenanthra sp. (bead tree)
Adlumia fungosa Greene (allegheny-vine)
Adonidia sp. (see *Veitchia* sp.)
Aechmea sp.
Aegle marmelos (L.) Correa (baelfruit)
Agapanthus africanus Hoff. (African lily)
Aglaonema sp.
Agrostis alba L. (redtop)
 air plant (*Bromelia* sp.)
 alamo (*Ficus religiosa* L.)
 albaroba (*Ceratonia siliqua* L.)
Albizzia julibrissin Durazz. (silk-tree)
A. lebeck Benth. (womans-tongue tree; siris tree; lebeck-tree)
Aleurites fordii Hemsl. (tung oil tree; China wood oil)
A. moluccana Willd. (candlenut; candleberry tree; varnish tree)
 allegheny-vine (*Adlumia fungosa* Greene)
 allspice (*Pimenta officinalis* Lindl.)
 almond, Indian (*Terminalia catappa* L.)
 almond, tropical (*Terminalia catappa* L.)
 alocasia, giant (*Alocasia macrorhiza* Schott)
Alocasia macrorhiza Schott (giant alocasia)
Althaea rosea Cav. (wild hollyhock)
 althea (*Hibiscus syriacus* L.)
 althea, shrubby (*Hibiscus syriacus* L.)
 amatungula (*Carissa grandiflora* A. DC.)
 American linden (*Tilia* sp.)
Andira sp. (angelin tree)
 angelin tree (*Andira* sp.)
Annona muricata L. (soursop; guanabana)
A. reticulata L. (common custard apple; bullocks-heart)

Anthurium sp.
Antigonon sp. (mountain-rose; coral-vine)
A. leptopus Hook. & Arn. (coral-vine)
 apple:
 common custard (*Annona reticulata* L.)
 Malus sp.
 star (*Chrysophyllum cainito* L.)
Aralia sp.
 arborvitae (*Thuja orientalis* L.)
Archontophoenix alexandrae (F. Muell.) Wendl. & Drude (king palm)
Ardisia sp.
Arecastrum romanzoffianum Becc. (queen palm)
Arenga pinnata (Wurmb) Merr. (palm)
A. saccharifera LaBill. (see *Arenga pinnata* (Wurmb) Merrill)
Artocarpus altilis Fosberg (breadfruit)
Asimina sp. (pawpaw)
A. incanus Exell.
A. obovata Nash
Asparagus plumosus Baker (asparagus fern)
Attalea sp. (palm)
Aucuba japonica Thunb. & Golddust (golddust tree)
Averrhoa carambola L. (carambola)
 avocado (*Persea americana* Mill.)
 azalea (*Rhododendron indicum* (L.) Sweet)
Baccharis halimifolia L. (groundsel tree)
 baelfruit (*Aegle marmelos* (L.) Correa)
 bamboo (*Bambusa* sp.)
Bambusa sp. (bamboo)
 banana (*Musa* sp.)
 basswood (*Tilia* sp.)
Bauhinia sp. (jupiter tree; mountain ebony; Florida orchid tree)
 bay tree (*Persea* sp.)
 bayonet, Spanish (*Yucca aloifolia* L.)
 bead tree (*Adenanthra* sp.)
Begonia sp.
Beloperone guttata Brand. (shrimp-plant)
Berchemia scandens (Hill) K. Koch (supplejack; rattan vine)
 billbergia (*Billbergia* sp. 'Fantasia')
Billbergia sp. 'Fantasia' (billbergia)
 bird-of-paradise (*Strelitzia reginae* Banks)
 blackberry (*Rubus* sp.)
 bleeding-heart vine (*Dicentra* sp.)
 blueberry (*Vaccinium darrowi* Camp.)
Borrichia frutescens (L.) DC. (bushy sea-oxeye)
 bo-tree (*Ficus religiosa* L.)
 bottlebrush (*Callistemon rigidus* R. Br.)
Bougainvillea sp.
 boxwood (*Buxus microphylla* S. & Z.)
 boxwood, African (*Myrsine africana*)
 boysenberry (*Rubus ursinus* Cham. & Schlecht.)
Brassaia actinophylla Endl. (schefflera)
 breadfruit (*Artocarpus altilis* Fosberg)
 bridalwreath (*Spiraea prunifolia* Sieb. & Zucc.)
 brisbane-box (*Tristania conferta* R. Br.)
Bromelia sp. (air plant)
 bromeliad (*Tillandsia* sp.)

- Buddleja* sp. (butterfly bush)
 bullocksheart (*Annona reticulata* L.)
 bulrush (*Scirpus* sp.)
Bursera simaruba (L.) Sarg. (gumbo-limbo)
 bush sea-oxeye (*Borrchia frutescens* (L.) DC.)
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
 butterfly-bush (*Buddleja* sp.)
 buttonbush (*Cephalanthus* sp.)
Buxus microphylla S. & Z. (boxwood)
 cactus, leaf (*Epiphyllum grandilobium* (Web.) Br. & R.)
 Caesar weed (*Urena lobata* Linn.)
 calico-bush (*Kalmia latifolia* L.)
Callicarpa americana L. (French mulberry)
Callistemon rigidus R. Br. (bottlebrush)
Callitris cupressiformis (see *C. rhomboidea* R. Br.)
C. rhomboidea R. Br.
Calluna sp. (heather)
Calycanthus sp. (oldman's beard; sweet-scented shrub; sweet-shrub)
Calycophyllum candidissimum (Vahl.) DC.
Camellia sp.
C. sinensis (L.) Kuntze (common tea)
 camphor tree (*Cinnamomum camphora* Nees & Eberm.)
 camphor plant (*Heterotheca subaxillaris* (Lam.) Britt. & Rusby)
Campsis radicans (L.) Seem. (trumpet creeper)
 candleberry tree (*Aleurites moluccana* Willd.)
 candlenut (*Aleurites moluccana* Willd.)
 cape honeysuckle (*Tecomaria capensis* Spach)
 carambola (*Averrhoa carambola* L.)
Carissa sp. (natal plum; karanda; hedgethorn)
C. carandas L. (karanda)
C. grandiflora A. DC. (natal plum; amatungula)
 carnation (*Dianthus caryophyllus* L.)
 carob (*Ceratonia siliqua* L.)
 caroubier (*Ceratonia siliqua* L.)
Carya sp. (hickory)
C. illinoensis Koch (pecan)
Caryota sp. (fishtail palm)
Casimiroa edulis Llave & Lex. (white sapote)
 cassena (*Ilex vomitoria* Ait.)
Cassia sp. (senna; partridge pea)
C. fistula L. (golden shower tree)
 castorbean (*Ricinus communis* L.)
Casuarina sp. (Australian pine)
Cattleya sp. (orchid)
 cedar (*Cedrus* sp.)
 cedar, bastard (*Cedrela* sp.)
 cedar, stinking (*Torreya* sp.)
Cedrela sp. (bastard cedar)
C. fissilis Vell. (cedrela)
Cedrus sp. (cedar)
Celosia cristata L. (cockscorn)
Celtis laevigata Willd. (hackberry; sugarberry)
 centipede plant (*Homalocladium platycladum* Bailey)
Cephalanthus sp. (buttonbush)
Ceratonia siliqua L. (carob; algaroba; karoub; caroubier; St. Johns-bread)
Cercis sp. (redbud)
C. siliquastrum L. (judas tree)
Ceropegia woodii Schlecht (string-of-pearls)
Cestrum sp. (night-blooming jessamine)
Chamaedorea sp. (palm)
 cherry, Jamaica (*Muntingia calabura* L.)
 cherrylaurel (*Prunus caroliniana* (Mill.) Ait.)
 China-berry (*Melia azedarach* L.)
 China wood oil (*Aleurites fordii* Hemsl.)
 Chinese rice paper plant (*Tetrapanax papyriferus* Koch)
 Chinese tallow tree (*Sapium sebiferum* (L.) Roxb.)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Chrysanthemum sp. (mums)
Chrysophyllum sp. (satinleaf)
C. cainito L. (star-apple)
 cigarette plant (*Cuphea ignea* A. DC.)
 cigar-flower (*Cuphea ignea* A. DC.)
Cinnamomum sp. (cinnamon)
C. camphora (L.) Nees & Eberm. (camphor tree)
 cinnamon (*Cinnamomum* sp.)
Clerodendrum sp. (glorybower)
Clitoria amazonum Mart.
Coccoloba diversifolia Jacq. (pigeon plum; pigeon seagrape)
C. floridana Meisn. (see *Coccoloba diversifolia* Jacq.)
C. uvifera L. (seagrape)
Coccothrinax argentata (Jacq.) Bailey (palm)
Cocculus sp. (snailseed; Carolina moonseed)
 cockscomb (*Celosia cristata* L.)
Cocos australis Mart. (see *Butia capitata* (Mart.) Becc.)
C. nucifera L. (coconut palm)
 comptie (*Zamia floridana* DC.)
 Confederate rose (*Hibiscus mutabilis* L.)
 coontie (*Zamia floridana* DC.)
 coralberry (*Symphoricarpos orbiculatus* Moench)
 coral-vine (*Antigonon leptopus* Hook. & Arn.)
Codiaeum sp. (garden croton)
Cordia sebestena L. (geiger-tree)
Cordyline terminalis Kunth
Corethrogyne sp. (cottonaster)
Cornus sp. (dogwood)
Cotinus sp. (smoke tree)
Cotoneaster sp.
 cowberry (*Vaccinium* sp.)
 cranberry (*Vaccinium* sp.)
 crape-myrtle (*Lagerstroemia indica* L.)
Crassula sp. (jade plant)
Crataegus sp. (hawthorn)
 croton (*Croton arenicola* Small)
Croton arenicola Small (croton)
 croton, garden (*Codiaeum* sp.)
 crown-of-thorns (*Euphorbia milii* Ch. des Moul.)
Cuphea ignea A. DC. (cigar-flower; cigarette plant)

- Cupressus sempervirens* L. (Italian cypress)
 curcasbean (*Jatropha* sp.)
Cycas revoluta Thunb. (sago-palm)
Cydonia oblonga Mill. (quince)
 cypress, bald (*Taxodium distichum* Rich.)
 cypress, Italian (*Cupressus sempervirens* L.)
Daedalacanthus sp. (see *Eranthemum* sp.)
 daisy, Transvaal (*Gerbera jamesonii* Bolus)
Datura sp.
 deerberry (*Polycodium floridanum* (Nutt.) Greene)
Delonix regia Raf. (royal poinciana; peacock-flower; flamboyant)
Delostoma roseum K. Schum.
 dewberry (*Rubus* sp.)
Dianthus caryophyllus L. (carnation)
Dicentra sp. (bleeding-heart vine)
Dictyosperma album (Bory) Wendl. & Drude (common princess palm)
Diospyros virginiana L. (persimmon)
 dogfennel (*Eupatorium capillifolium* (Lam.) Small)
 dogwood (*Cornus* sp.)
Dombeya sp. (assonia; dombeya)
Echeveria sp.
Elaeagnus pungens Thunb. (silver thorn)
Elaeis guineensis Jacq. (African oil palm)
 elder, box (*Acer negundo* L.)
 elder, marsh (*Iva imbricata* Walt.)
 elm, American (*Ulmus americana* L.)
 elm, Chinese (*Ulmus parvifolia* Jacq.)
Epiphyllum grandilobium (Web.) Br. & R.
Eranthemum sp.
Eriobotrya japonica Thunb. (loquat)
Eugenia dicrana Berg. (twinberry eugenia)
 eugenia, twinberry (*Eugenia dicrana* Berg.)
Euonymus americanus L. (strawberry bush)
Eupatorium capillifolium (Lam.) Small (dog-fennel)
Euphorbia candelabrum Tremont
E. milii Ch. des Moul. (crown-of-thorns)
E. tirucalli L. (milk-bush; Indian tree spurge)
Eupritchardia sp. (see *Pritchardia* sp.)
Eurya japonica Thunb.
E. emarginata (Thunb.) Makino
Fatshedera lizei (Cochet) Guill.
Fatsia japonica (Thunb.) D. & P.
Feijoa sellowiana Berg.
 fern, asparagus (*Asparagus plumosus* Baker)
 fern, staghorn (*Platycerium* sp.)
Ficus altissima Blume
F. benjamina L. (weeping laurel; weeping rubber)
F. capensis Thunb.
F. carica L. (common fig)
F. elastica Roxb. (rubber-plant)
F. elastica Roxb. 'Variegata' (rubber-plant)
F. glomerata Roxb. (cluster fig)
F. infectoria Roxb. (dotted fig)
F. lyrata Warb.
F. nekbudu Warb. (zulu fig)
F. pandurata Sander (fiddleleaf fig)
F. religiosa L. (sacred fig; alamo; peepul; bo-tree)
F. rubiginosa Vent. (rusty fig)
 fig:
 cluster (*Ficus glomerata* Roxb.)
 common (*Ficus carica* L.)
 dotted (*Ficus infectoria* Roxb.)
 fiddleleaf (*Ficus lyrata* Warb.)
 rusty (*Ficus rubiginosa* Vent.)
 sacred (*Ficus religiosa* L.)
 zulu (*Ficus nekbudu* Warb.)
 firethorn (*Pyracantha* sp.)
Firmiana barteri K. Schum. (see *Sterculia barteri* Mast.)
F. simplex W. F. Wight (Chinese umbrella)
Flacourtia indica Merr. (governors-plum)
 flag (*Iris* sp.)
 flamboyant (*Delonix regia* Raf.)
 frangipani (*Plumeria* sp.)
Fritillaria sp. (fritillary)
 fritillary (*Fritillaria* sp.)
 gallberry (*Ilex glabra* Gray)
Gaylussacia sp. (huckleberry)
 geiger-tree (*Cordia sebestena* L.)
 genip (*Melicocca bijuga* L.)
Gerbera jamesonii Bolus (Transvaal daisy)
Ginkgo sp. (maidenhair tree)
Gladiolus sp.
 glorybower (*Clerodendrum* sp.)
 goldenrod (*Solidago* sp.)
 golden shower tree (*Cassia fistula* L.)
 goldust tree (*Aucuba japonica* Thunb. & Gold-dust)
 grape (*Vitis* sp.)
 grape, Blue lake (*Vitis* sp. 'Blue lake')
 grass, bear (*Xerophyllum* sp.)
Grevillea sp. (silkoak)
 groundsel bush (*Baccharis halimifolia* L.)
 groundsel tree (*Baccharis halimifolia* L.)
 guanabana (*Annona muricata* L.)
 guava (*Psidium guajava* L.)
 gumbo-limbo (*Bursera simaruba* (L.) Sarg.)
 hackberry (*Celtis laevigata* Willd.)
 hairy indigo (*Indigofera hirsuta* Harv.)
Haworthia sp.
 hawthorn (*Crataegus* sp.)
 heather (*Calluna* sp.)
Hedera helix L. (English ivy)
 hedgethorn (*Carissa* sp.)
Helianthus sp. (sunflower)
 hemlock (*Tsuga* sp.)
 henna (*Lawsonia inermis* L.)
Heterotheca subaxillaris (Lam.) Britt. & Rusby (camphor plant)
Hibiscus sp.
H. mutabilis L. (Confederate rose; cotton-rose)
H. syriacus L. (rose-of-sharon; shrubby althea)
 hickory (*Carya* sp.)
 holly:

- Burford (*Ilex cornuta* Lindl. & Paxton 'Burfordii')
- Chinese (*Ilex cornuta* Lindl. & Paxton)
- dahoon (*Ilex cassine* L.)
- East Palatka (*Ilex opaca* Ait. 'East Palatka')
- I. crenata* Thunb. 'Convexa'
- I. crenata* Thunb. 'Helleri'
- I. integra* Thunb.
- I. opaca* Ait. 'Savannah'
- Japanese (*Ilex crenata* Thunb. 'Rotundifolia')
- hollyhock, wild (*Althaea rosea* Cav.)
- Homalocladium platycladum* Bailey (centipede plant)
- honesty plant (*Lunaria annua* L.)
- honeysuckle (*Lonicera japonica* Thunb.)
- honeysuckle, cape (*Tecomaria capensis* Spach)
- horse-radish tree (*Moringa oleifera* Lam.)
- Howea* sp. (sentry palm)
- huckleberry (*Gaylussacia* sp.)
- Hydrangea* sp.
- Hypericum* sp. (St. Johnswort)
- Ilex*:
- bullata* Rehd. (see *Ilex crenata* Thunb. 'Convexa')
- cassine* L. (dahoon holly)
- cornuta* Lindl. & Paxton (Chinese holly)
- cornuta* Lindl. & Paxton 'Burfordii' (Burford holly)
- crenata* Thunb. 'Convexa'
- crenata* Thunb. 'Helleri'
- crenata* Thunb. 'Rotundifolia' (Japanese holly)
- glabra* Gray (inkberry; winterberry; gallberry)
- integra* Thunb. (holly)
- opaca* Ait. 'East Palatka' (East Palatka holly)
- opaca* Ait. 'Savannah'
- vomitaria* Ait. (yaupon; cassena)
- Indian currant (*Symphoricarpos orbiculatus* Moench)
- Indigofera hirsuta* Harv. (hairy indigo)
- inkberry (*Ilex glabra* Gray)
- Ipomoea* sp. (seaside morning glory)
- Iris* sp.
- ironweed (*Vernonia* sp.)
- Iva imbricata* Walt. (marsh elder)
- ivy, English (*Hedera helix* L.)
- Ixora* sp.
- jade plant (*Crassula* sp.)
- jasmine (*Jasminum* sp.)
- jasmine, Confederate (*Trachelospermum jasminoides* Lem.)
- Jasminum* sp. (jasmine; also jessamine (but not recommended))
- Jatropha* sp. (curcasbean; purgenut)
- J. multifida* L. (coralplant nettlespurge)
- Jerusalem-thorn (*Parkinsonia aculeata* L.)
- jessamine (*Jasminum* sp.)
- jessamine, night-blooming (*Cestrum* sp.)
- Jubaea chilensis* (Molina) Baillon (palm)
- J. spectabilis* HBK. (see *Jubaea chilensis* (Molina) Baillon)
- judas tree (*Cercis siliquastrum* L.)
- Juglans* sp. (walnut)
- juniper, Chinese (*Juniperus chinensis* L. 'Sylvestris')
- juniper, creeping (*Juniperus horizontalis* Moench)
- Juniperus chinensis* L. 'Sylvestris' (Chinese juniper)
- J. horizontalis* Moench (creeping juniper)
- jupiter tree (*Bauhinia* sp.)
- Kalmia latifolia* L. (mountain-laurel; calico-bush)
- karanda (*Carissa carandas* L.)
- karoub (*Ceratonia siliqua* L.)
- Lagerstroemia indica* L. (crape myrtle)
- L. speciosa* Pers. (queen crape)
- L. spectabilis** (queen's flower)
- Lantana montevidensis* Brig. (weeping or trailing lantana)
- lantana, weeping or trailing (*Lantana montevidensis* Brig.)
- Latania verschaffeltii* Lemaire (yellow latan palm)
- laurel (*Laurus* sp.)
- laurelcherry, Carolina (*Prunus caroliniana* (Mill.) Ait.)
- laurel, mountain (*Kalmia latifolia* L.)
- laurel, weeping (*Ficus benjamina* L.)
- Laurus* sp. (laurel; sweet bay)
- lavenderbell (*Strobilanthes* sp.)
- Lawsonia inermis* L. (henna; mignonette-tree)
- lebbeck-tree (*Albizia lebbeck* Benth.)
- Leucophyllum frutescens* Johnston (Texas sage)
- Ligustrum japonicum* Thunb. var. *rotundifolium* Blume (ligustrum)
- L. lucidum* Ait. (privet)
- L. quihoui* Carr. (ligustrum)
- lilac, common (*Syringa vulgaris* L.)
- lily, African (*Agapanthus africanus* Hoff.)
- lime, large-leaved (*Tilia* sp.)
- linden (*Tilia* sp.)
- Linnaea borealis* L. var. *americana* Rehd. (twin-flower)
- Lippia* sp.
- Liquidambar styraciflua* L. (sweetgum)
- Liriodendron tulipifera* L. (tulip tree)
- Litchi chinensis* Sonner (lychee)
- Livistona chinensis* (Jacq.) R. Br. (Chinese fan palm)
- locust (*Robinia* sp.)
- Lonicera japonica* Thunb. (honeysuckle)
- loquat (*Eriobotrya japonica* Thunb.)
- Lunaria annua* L. (honesty plant)
- lychee (*Litchi chinensis* Sonner)
- Lyonia lucida* (Lam.) K. Kock (bog-rosemary)
- Macadamia* sp. (macadamia nut)
- M. ternifolia* F. Muell. (queensland nut)
- Magnolia grandiflora* L. (magnolia)
- mahogany (*Swietenia* sp.)
- Mahonia laurifolia**
- maidenhair tree (*Ginkgo* sp.)

*Authority for genus and species could not be found.

- maidenhair-vine (*Muehlenbeckia complexa* Meissn.)
Malus sp. (apple)
Malvaviscus sp. (Turks cap)
 mamoncillo (*Melicocca bijuga* L.)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 maple (*Acer* sp.)
 maple, Japanese (*Acer palmatum* Thunb.)
Mascarena verschaffeltii (Wendl.) Bailey (spindle palm)
Mascaranhasia elastica K. Schum.
Melastoma sp.
Melia azedarach L. (China berry)
Melicocca bijuga L. (Spanish lime; genip; mamoncillo)
Miconia magnifica Triana
 mignonette-tree (*Lawsonia inermis* L.)
 milk-bush (*Euphorbia tirucalli* L.)
Mimosa sp.
 mistletoe, Christmas American (*Phoradendron flavescens* (Pursh) Nutt.)
 moonseed, Carolina (*Cocculus* sp.)
Moringa oleifera Lam. (horse-radish tree)
 morning glory, seaside (*Ipomoea* sp.)
Morus sp. (mulberry)
M. alba 'Tatarica' (Russian mulberry)
 mountain ebony (*Bauhinia* sp.)
 mountain-rose (*Antigonon* sp.)
Muehlenbeckia complexa Meissn. (wire plant; maidenhair-vine)
 mulberry (*Morus* sp.)
 mulberry, French (*Callicarpa americana* L.)
 mulberry, Russian (*Morus alba* L. 'Tatarica')
 mums (*Chrysanthemum* sp.)
Muntingia calabura L. (Jamaica cherry)
Musa sp. (banana)
Myrica cerifera L. (wax myrtle)
 myrobalan (*Terminalia catappa* L.)
Myrsine africana L. (African boxwood)
 myrtle (*Myrtus* sp.)
 myrtle, crape (*Lagerstroemia indica* L.)
 myrtle, queen crape (*Lagerstroemia speciosa* Pers.)
 myrtle, wax (*Myrica cerifera* L.)
Myrtus sp. (myrtle)
 natal plum (*Carissa* sp.)
Nephtytis sp.
Nerium sp. (oleander)
 nettlespurge, coralplant (*Jatropha multifida* L.)
Nolina tuberculata Hort. (nolina)
 oak (*Quercus* sp.)
Ocotea catesbyana Michx. Sarg. (Gulf ocotea)
 ocotea, Gulf (*Ocotea catesbyana* (Michx.) Sarg.)
 oldman's beard (*Calycanthus* sp.)
Olea sp. (olive)
 oleander (*Nerium* sp.)
 oleander, yellow (*Thevetia peruviana* Schum.)
 olive (*Olea* sp.)
 olive, sweet (*Osmanthus fragrans* Lour.)
 olive, tea (*Osmanthus fragrans* Lour.)
 orange, trifoliate- (*Poncirus trifoliata* Raf.)
Orbignya cohune Barb. Rodr. (cohune palm)
 orchid (*Cattleya* sp.)
 orchid-tree, Florida (*Bauhinia* sp.)
Osmanthus fragrans Lour. (sweet or tea olive)
 palms:
 African oil (*Elaeis guineensis* Jacq.)
 Arenga pinnata (Wurmb) Merr.
 Attalea sp.
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 Canary Island date (*Phoenix canariensis* Chaub.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
 Chamaedorea sp.
 Chinese fan (*Livistona chinensis* (Jacq.) R. Br.)
 Coccothrinax argentata (Jacq.) Bailey
 coconut (*Cocos nucifera* L.)
 cohune (*Orbignya cohune* Barb. Rodr.)
 dwarf date (*Phoenix roebelenii* O'Brien)
 fishtail (*Caryota* sp.)
 jelly (*Butia capitata* (Mart.) Becc.)
 Jubaea chilensis (Molina) Baillon
 king (*Archontophoenix alexandrae* (F. Muell.) Wendl. & Drude)
 Latania verschaffeltii Lemaire
 MacArthur (*Ptychosperma macarthurii* (Wendl.) Nichols.)
 needle (*Rhapidophyllum hystrix* (Pursh) H. Wendl. & Drude)
 Phoenix rupicola T. And.
 pigmy date (*Phoenix roebelenii* O'Brien)
 pindo (*Butia capitata* (Mart.) Becc.)
 princess, common (*Dictyosperma album* (Bory) Wendl. & Drude)
 Pritchardia sp.
 Ptychosperma sp.
 queen (*Arecastrum romanzoffianum* Becc.)
 royal (*Roystonea* sp.)
 sago- (*Cycas revoluta* Thunb.)
 senegal date (*Phoenix reclinata* Jacq.)
 sentry (*Howea* sp.)
 spindle (*Mascarena verschaffeltii* (Wendl.) Bailey)
 Thrinax parviflora Sw.
 Veitchia merrillii (Becc.) Moore
 Washingtonia sp.
 Pandanus sp. (screwpine)
 parasol tree, Chinese (*Firmiana simplex* W. F. Wight)
 Parkinsonia aculeata L. (Jerusalem-thorn; ratama)
 Passiflora sp. (passion vine)
 passion vine (*Passiflora* sp.)
 pawpaw (*Asimina* sp.)
 peach (*Prunus persica* Batsch)
 peacock-flower (*Delonix regia* Raf.)
 pea, partridge (*Cassia* sp.)

- pear (*Pyrus* sp.)
 pecan (*Carya illinoensis* Koch)
 peepful (*Ficus religiosa* L.)
 periwinkle (*Vinca* sp.)
Persea sp. (bay tree)
P. americana Mill. (avocado)
 persimmon (*Diospyros virginiana* L.)
Philodendron cordatum Kunth (philodendron)
P. oxycardium Schott (heart-shaped philodendron)
P. selloum C. Koch
Phoenix canariensis Chaub. (Canary Island date palm)
P. reclinata Jacq. (senegal date palm)
P. roebelenii O'Brien (pigmy date palm; dwarf date palm)
P. rupicola T. And. (palm)
Phoradendron flavescens Nutt. (Christmas American mistletoe)
Photinia glabra (Thunb.) Maxim
Phyla nodiflora Greene
Pimenta officinalis Lindl. (allspice)
 pine, Australian (*Casuarina* sp.)
Pinus sp.
Pittosporum sp.
Platanus sp. (sycamore)
Platyserium sp. (staghorn fern)
 plum (*Prunus* sp.)
 plum, governors- (*Flacourtia indica* Merr.)
 plum, natal (*Carissa grandiflora* A. DC.)
 plum, pigeon (*Coccoloba floridana* Meisn.)
Plumeria sp. (frangipani)
 poinciana, royal (*Delonix regia* Raf.)
Polycodium floridanum (Nutt.) Greene (deerberry)
 pomegranate (*Punica granatum* L.)
Poncirus trifoliata Raf. (trifoliolate-orange)
 popinac (*Acacia farnesiana* Willd.)
 poplar (*Populus* sp.)
Populus sp. (poplar)
Portulaca grandiflora Hook. (rose-moss)
Posoqueria latifolia R. & S.
 prickly ash (*Zanthoxylum clava-herculis* L.)
Pritchardia sp. (palm)
 privet (*Ligustrum lucidum* Ait.)
Prunus sp. (cherry laurel; laurelcherry; plum; peach)
P. caroliniana (Mill.) Ait. (cherry laurel; Carolina laurelcherry)
P. persica Batsch (peach)
Psidium guajava L. (guava)
Ptychosperma sp. (palm)
P. macarthurii (Wendl.) Nichols. (MacArthur palm)
 puncture weed (*Tribulus terrestris* L.)
Punica granatum L. (pomegranate)
 purgenut (*Jatropha* sp.)
Pyracantha sp. (firethorn)
Pyrus sp. (pear)
 queen crape (*Lagerstroemia speciosa* Pers.)
 queen's flower (*Lagerstroemia spectabilis**)
 queensland nut (*Macadamia ternifolia* F. Muell.)
Quercus sp. (oak)
 quince (*Cydonia oblonga* Mill.)
Quisqualis indica L. (rangoon-creeper)
 rangoon-creeper (*Quisqualis indica* L.)
 ratama (*Parkinsonia aculeata* L.)
 rattan-vine (*Berchemia scandens* (Hill) K. Koch)
 redbud (*Cercis* sp.)
Rhapidophyllum hystrix (Pursh) H. Wendl. & Drude (dwarf saw palmetto; needle palm)
Rhododendron indicum (L.) Sweet (azalea)
 rice paper plant, Chinese (*Tetrapanax papyriferus* Koch)
Ricinus communis L. (castorbean)
Robinia sp. (locust)
Rosa sp. (rose)
 rose (*Rosa* sp.)
 rose, Confederate (*Hibiscus mutabilis* L.)
 rose, cotton (*Hibiscus mutabilis* L.)
 rosemary, bog (*Lyonia lucidus* (Lam.) K. Koch)
 rose-moss (*Portulaca grandiflora* Hook.)
 rose-of-sharon (*Hibiscus syriacus* L.)
Roystonea sp. (royal palm)
 rubber-plant (*Ficus elastica* Roxb.; *Ficus elastica* Roxb. 'Variegata')
 rubber, weeping (*Ficus benjamina* L.)
Rubus sp. (blackberry; dewberry)
R. ursinus Cham. & Schlecht. (boysenberry)
 rue, common (*Ruta graveolens* L.)
Ruta graveolens L. (common rue)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
 sage (*Salvia* sp.)
 sage, Texas (*Leucophyllum frutescens* Johnst.)
 St. Johns-bread (*Ceratonium siliqua* L.)
 St. Johnswort (*Hypericum* sp.)
Salix discolor Muhl. (pussy willow)
 saltbush (*Baccharis halimifolia* L.)
Salvia sp. (sage)
Sanchezia nobilis Hook. f.
Sapindus sp. (soapberry tree)
Sapium sebiferum (L.) Roxb. (Chinese tallow tree)
 sapodilla (*Achras sapota* L.)
 sapote, white (*Casimiroa edulis* Llave & Lex.)
 satinleaf (*Chrysophyllum* sp.)
Schefflera sp.
Schefflera (*Brassaia actinophylla* Endl.)
Scirpus sp. (bulrush)
 screwpine (*Pandanus* sp.)
Seaforthia sp. (see *Ptychosperma* sp.)
 seagrape (*Coccoloba uvifera* L.)
 seagrape, pigeon (*Coccoloba floridana* Meisn.)
 sea-oxeye, bushy (*Borrchia frutescens* (L.) DC.)
 seminole bread (*Zamia floridana* DC.)
 senna (*Cassia* sp.)
Serissa foetida Lam.
Sesuvium sp.
 shrimp-plant (*Beloperone guttata* Brand.)
 silkoak (*Grevillea* sp.)

*Authority for genus and species could not be found.

- silk-tree (*Albizia julibrissin* Durazz.)
 silver thorn (*Elaeagnus pungens* Thunb.)
 siris tree (*Albizia lebbek* Benth.)
 smoke tree (*Cotinus* sp.)
 snailseed (*Cocculus* sp.)
 snowberry (*Symphoricarpos albus* Blake)
 soapberry tree (*Sapindus* sp.)
Solidago sp. (goldenrod)
 soursop (*Annona muricata* L.)
 Spanish lime (*Melicocca bijuga* L.)
 Spanish moss (*Tillandsia useneoides* L.)
Spiraea prunifolia Sieb. & Zucc. (bridal-wreath)
 spirea (*Spiraea* sp.)
 spurge, Indian tree (*Euphorbia tirucalli* L.)
 star apple (*Chrysophyllum canito* L.)
Sterculia barteri Mast.
Stillingia spathulata (Muell. Arg.) Small
 strawberry bush (*Euonymus americanus* L.)
Strelitzia reginae Banks (bird-of-paradise)
 string-of-pearls (*Ceropegia woodii*)
Strobilanthes sp. (lavenderbell)
 sugarberry (*Celtis laevigata* Willd.)
 sunflower (*Helianthus* sp.)
 sunflower, Mexican (*Tithonia rotundifolia* (Mill) Blake)
 supplejack (*Berchemia scandens* (Hill) K. Koch)
 sweet bay (*Laurus* sp.)
 sweetgum (*Liquidambar styraciflua* L.)
 sweet-scented shrub (*Calycanthus* sp.)
 sweet-shrub (*Calycanthus* sp.)
Swietenia sp. (mahogany)
 sycamore (*Platanus* sp.)
Symphoricarpos sp. (coralberry)
S. albus Blake (snowberry)
S. orbiculatus Moench (Indian currant; coralberry)
Syngonium podophyllum Schott
Syringa vulgaris L. (common lilac)
Tabernaemontana sp.
 tamarind (*Tamarindus indica* L.)
Tamarindus indica L. (tamarind)
Taxodium distichum Rich. (bald cypress)
 tea, common (*Camellia sinensis* (L.) Kuntze)
Tecomaria capensis Spach (cape honeysuckle)
Terminalia catappa L. (tropical almond; Indian almond; myrobalan)
Tetrapanax papyriferus Koch (Chinese rice paper plant)
Thrinax parviflora Sw. (palm)
 thevetia, luckynut (*Thevetia peruviana* Schum.)
Thevetia nereifolia Juss. (see *Thevetia peruviana* Schum.)
T. peruviana Schum. (luckynut thevetia; yellow oleander)
Thuja orientalis L. (arborvitae)
Tilia sp. (linden; basswood; lime)
Tillandsia sp. (bromeliad)
T. useneoides L. (Spanish moss)
Tipuana tipu Lille (common tiputree)
 tiputree, common (*Tipuana tipu* Lille)
Tithonia rotundifolia (Mill) Blake (Mexican sunflower)
Torreya sp. (stinking cedar)
Trachelospermum jasminoides Lem. (Confederate jasmine)
Tribulus terrestris L. (puncture weed)
Tristania conferta R. Br. (brisbane-box)
 trumpet creeper (*Campsis radicans* (L.) Seem.)
Tsuga sp. (hemlock)
 tulip tree (*Liriodendron tulipifera* L.)
 tung oil tree (*Aleurites fordii* Hemsl.)
 Turks cap (*Malvaviscus* sp.)
 twin-flower (*Linnaea borealis* L. var. *americana* Rehd.)
Ulmus americana L. (American elm)
U. parvifolia Jacq. (Chinese elm)
Urena lobata L. (Caesar's weed)
Vaccinium sp. (cranberry; cowberry; blueberry)
V. darrowi Camp. (blueberry)
 varnish tree (*Aleurites moluccana* Willd.)
Veitchia merrillii (Becc.) Moore (Christmas palm, Manila palm)
Verbena sp.
Vernonia sp. (ironweed)
Viburnum sp.
Vinca sp. (periwinkle)
Vitex sp.
Vitis sp. (grape)
V. sp. 'Blue lake' (Blue lake grape)
V. vinifera L. (winegrape)
Washingtonia sp. (palm)
Weigela sp.
 willow, pussy (*Salix discolor* Muhl.)
 winegrape (*Vitis vinifera* L.)
 winterberry (*Ilex glabra* Gray)
 wire plant (*Muehlenbeckia complexa* Meissn.)
 womans-tongue tree (*Albizia lebbek* Benth.)
Xerophyllum sp. (beargrass)
 yaupon (*Ilex vomitoria* Ait.)
 yucca, Thompson (*Yucca thompsoniana* Trel.)
Yucca aloifolia L. (Spanish bayonet)
Y. smalliana Fern. (Adam's needle)
Y. thompsoniana Trel. (Thompson yucca)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (comptie; coontie; seminole bread)
Zanthoxylum clava-herculis L. (prickly ash)

HEMIBERLESIA PALMAE (COCKERELL) — tropical palm scale

- Acanthostachys strobilacea* Link, Klotzsch, & Otto
Acorus gramineus Soland 'Variegatus' (acorus)
Aechmea sp. (bromeliad)
A. chantini Baker
A. pineliana Baker
 avocado (*Persea americana* Mill.)
 banana (*Musa* sp.)

Billbergia sp. (bromeliad)
B. elegans Mart.
 bird-of-paradise (*Strelitzia reginae* Banks)
Bromelia sp. (bromeliad)
 bromeliad (*Aechmea* sp.; *Billbergia* sp.; *Bromelia* sp.; *Vriesea gladioliflora* (Wendl.) Antoine)
Camellia sp.
 candlestick bush (*Cassia alata* L.)
Cassia alata L. (candlestick bush, ringworm cassia)
 cassia, ringworm (*Cassia alata* L.)
Chiococca pinetorum Britt. (snowberry)
Chrysalidocarpus sp. (feather palm)
*Cryptbergia rubra**
 elm, Chinese (*Ulmus* sp.)
 fingernail plant (*Neoregelia spectabilis* (T. Moore) L. B. Smith)
Howea sp. (palm)
Musa sp. (banana)
Neoregelia spectabilis (T. Moore) L. B. Smith (fingernail plant)
 palm (*Howea* sp.)
 palm, feather (*Chrysalidocarpus* sp.)
Persea americana Mill. (avocado)
Phaius sp. (orchid)
 snowberry (*Chiococca pinetorum* Britt.)
Strelitzia reginae Banks (bird-of-paradise)
Ulmus sp. (Chinese elm)
Vriesea gladioliflora (Wendl.) Antoine (bromeliad)

HEMIBERLESIA RAPAX (COMSTOCK) — greedy scale

Abelia sp.
Achras sapota L. (sapodilla)
Alsophila australis R. Br. (fern tree)
 ash, wafer (*Ptelea trifoliata* L.)
 avocado (*Persea americana* Mill.)
 azalea (*Rhododendron indicum* (L.) Sweet)
 bay, bull (*Magnolia grandiflora* L.)
 bay, sweet (*Magnolia virginiana* L.)
 burning bush (*Euonymus* sp.)
Bursera simaruba (L.) Sarg. (gumbo-limbo)
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
Camellia sp.
 camphor tree (*Cinnamomum camphora* Nees & Eberm.)
Carya sp. (hickory)
C. illinoensis Koch (pecan)
Castanopsis sp. (evergreen chinkapin)
 cedar (*Cedrus* sp.)
Cedrus sp. (cedar)
 chinaberry (*Melia azedarach* L.)
 China tree (*Melia azedarach* L.)
 chinkapin, evergreen (*Castanopsis* sp.)
Cinnamomum camphora (L.) Nees & Eberm. (camphor tree)
Cocos nucifera L. (coconut palm)

Diospyros kaki L. f. (Japanese persimmon)
Elaeagnus sp.
Eriobotrya japonica Thunb. (loquat)
Euonymus sp. (strawberry bush; burning bush)
 fern tree (*Alsophila australis* R. Br.)
Ficus aurea Nutt. (wild rubber; strangler fig)
F. carica L. (common fig)
 fig, common (*Ficus carica* L.)
 frangipani (*Plumeria* sp.)
Gaylussacia sp. (huckleberry)
Geranium sp.
Grevillea sp. (silkoak)
 guava (*Psidium* sp.)
 gumbo-limbo (*Bursera simaruba* (L.) Sarg.)
 hickory (*Carya* sp.)
 holly:
 Chinese (*Ilex cornuta* Lindl. & Paxton)
 Japanese (*Ilex crenata* Thunb. 'Rotundifolia')
 honeysuckle (*Lonicera* sp.)
 huckleberry (*Gaylussacia* sp.)
Ilex cornuta Lindl. & Paxton (Chinese holly)
I. crenata Thunb. 'Rotundifolia' (Japanese holly)
Ipomoea sp. (morning glory)
 juniper (*Juniperus* sp.)
Juniperus sp. (juniper)
Ligustrum sp. (privet)
L. compactum (see *Ligustrum roxburghii* C. B. Clarke)
L. roxburghii C. B. Clarke
Lonicera sp. (honeysuckle)
 loquat (*Eriobotrya japonica* Thunb.)
Magnolia grandiflora L. (bull bay)
M. virginiana L. (sweet bay)
Melia azedarach L. (chinaberry; China tree; pride-of-India)
 morning glory (*Ipomoea* sp.)
Morus sp. (mulberry)
 mulberry (*Morus* sp.)
Myrica cerifera L. (wax myrtle)
 myrtle (*Myrtus* sp.)
 myrtle, wax (*Myrica cerifera* L.)
Myrtus sp. (myrtle)
 oak, water (*Quercus nigra* L.)
Olea europaea L. (olive)
 olive (*Olea europaea* L.)
 palm:
 coconut (*Cocos nucifera* L.)
 jelly (*Butia capitata* (Mart.) Becc.)
 pindo (*Butia capitata* (Mart.) Becc.)
 pear (*Pyrus* sp.)
 pecan (*Carya illinoensis* Koch)
Persea americana Mill. (avocado)
 persimmon, Japanese (*Diospyros kaki* L. f.)
Plumeria sp. (frangipani)
 pride of India (*Melia azedarach* L.)
 privet (*Ligustrum* sp.)
Psidium sp. (guava)
Ptelea trifoliata L. (wafer ash)
Pyrus sp. (pear)
Quercus nigra L. (water oak)

*Authority for genus and species could not be found.

Rhododendron indicum (L.) Sweet (azalea)
Rosa sp. (rose)
 rose (*Rosa* sp.)
 rubber, wild (*Ficus aurea* Nutt.)
 sapodilla (*Achras sapota* L.)
 silkoak (*Grevillea* sp.)
 strawberry bush (*Euonymus* sp.)
Taxus sp. (yew)
Tecoma sp. (trumpet bush)
 trumpet bush (*Tecoma* sp.)
 yew (*Taxus* sp.)

HOWARDIA BICLAVIS (COMSTOCK) — mining scale

Acacia sp. (popinac)
A. auriculaeformis A. Cunn. (ear tree)
Acalypha wilkesiana Muell. Arg. (copperleaf)
Achras sapota L. (sapodilla)
 alamo (*Ficus religiosa* L.)
Aleurites fordii Hemsl. (tung nut tree)
Allamanda sp.
 almond, tropical (*Terminalia catappa* L.)
Alvaradoa amorphoides Liebm.
Amoora rohituka Wight & Arn.
Andira inermis (W. Wright) HBK. (angelin tree)
 angelin tree (*Andira inermis* (W. Wright) HBK.)
Angelonia angustifolia Benth.
 annatto (*Bixa orellana* L.)
Annona squamosa L. (sugar apple)
 apple:
 mamey (*Mammea americana* L.)
 rose (*Syzygium jambos* Alston)
 star- (*Chrysophyllum cainito* L.)
 sugar (*Annona squamosa* L.)
Artabotrys sp. (tail-grape)
Artocarpus sp.
 assonia (*Dombeya* sp.)
Averrhoa carambola L. (carambola)
 avocado (*Persea americana* Mill.)
 balsamo, seminoe (*Psychotria undata* Jacq.)
 banyan (*Ficus bengalensis* L.)
Bauhinia sp. (mountain ebony; Florida orchid-tree)
B. variegata L. (orchid tree)
 bayberry (*Myrica* sp.)
 bean, black (*Castanospermum australe* Cunn.)
 beefwood (*Casuarina stricta* Dry.)
 bellyache bush (*Jatropha* sp.)
 bignonia (*Pyrostegia* sp.)
Bixa orellana L. (annatto)
 black bead (*Pithecellobium guadalupense* (Pers.) Chapm.)
 bottle tree (*Sterculia villosa* Roxb.)
 bo-tree (*Ficus religiosa* L.)
 boxwood, Japanese (*Buxus microphylla* Sieb. & Zucc. var. *japonica* Rehd. & Wils.)
Bougainvillea sp.
Brunfelsia sp.
Bucida sp. (black olive)

Bumelia obovata A. DC.
Bursera simaruba (L.) Sarg. (gumbo-limbo)
Buxus microphylla Sieb. & Zucc. var. *japonica* Rehd. & Wils. (Japanese boxwood)
Calluna sp. (heather)
Calophyllum sp.
Calycophyllum candidissimum (Vahl.) DC. (degame calycophyllum)
Camellia japonica L.
C. sasangua Thunb.
 cape jasmine (*Gardenia jasminoides* Ellis; *G. jasminoides* Ellis 'Glazieri')
 carambola (*Averrhoa carambola* L.)
Carica papaya L. (papaya)
Carya sp. (hickory)
Casimiroa edulis Llave & Lex. (white sapote)
Castanea sp. (chinquapin)
Castanospermum australe Cunn. (Moreton-Bay chestnut; black bean)
Casuarina cunninghamiana Miq. (Australian pine)
C. equisetifolia L. (Australian pine)
C. stricta Dry. (beefwood; she-oak; Australian pine)
 cat's claw (*Pithecellobium* sp.)
 chaste tree (*Vitex angus-castus* L.)
 cherry, surinam (*Eugenia uniflora* L.)
 chestnut, Moreton-Bay (*Castanospermum australe* Cunn.)
 chinquapin (*Castanea* sp.)
Chrysophyllum cainito L. (star-apple)
C. oliviforme L. (satinleaf)
 cigarette plant (*Cuphea* sp.)
 cigarflower (*Cuphea* sp.)
Citrus jambhiri Lush.
C. limon (L.) Burm. f. (lemon)
C. sinensis Osbeck (sweet orange)
Cleyera japonica (L.) Thunb. (sakaki)
 coffee, wild (*Psychotria sulzneri* Small; *P. undata* Jacq.)
 copperleaf (*Acalypha wilkesiana* Muell. Arg.)
 crape-jasmine (*Ervatamia coronaria* Stapf.)
Croton sp.
Cuphea sp. (cigarflower; cigarette plant)
C. petiolata (L.) Koehne (waxweed)
 daedalacanthus (*Eranthemum album* Nees)
 dewdrop, golden (*Duranta* sp.)
Diospyros lotus L. (date-plum persimmon)
Dombeya sp. (assonia; pink ball)
Duranta sp. (golden dewdrop)
 ear tree (*Acacia auriculaeformis* A. Cunn.)
 ebony, mountain (*Bauhinia* sp.)
 eggfruit (*Pouteria campechiana* (HBK.) Baehni)
Elaeagnus macrophylla Thunb.
 elder, yellow (*Stenolobium* sp.)
 elm (*Ulmus* sp.)
Eranthemum album Nees (daedalacanthus)
Eriobotrya japonica Thunb. (loquat)
Ervatamia coronaria Stapf. (crape-jasmine)
Eucalyptus sp.

- Eugenia uniflora* L. (surinam cherry)
Euphorbia pulcherrima Willd. (poinsettia)
E. longana Lam. (longan)
Ficus bengalensis L. (banyan)
F. brevifolia Nutt. (shortleaf ficus)
F. carica L. (common fig)
 ficus, mosaic (*Ficus parcelli* Veitch)
Ficus parcelli Veitch (mosaic ficus)
F. religiosa L. (alamo; bo-tree; peepul; sacred fig)
F. retusa L. (Indian-laurel)
 ficus, roxburgh (*Ficus roxburghii* Wall.)
Ficus roxburghii Wall. (roxburgh ficus)
 ficus, shortleaf (*Ficus brevifolia* Nutt.)
 fig, common (*Ficus carica* L.)
 fig, sacred (*Ficus religiosa* L.)
 firethorn (*Pyracantha coccinea* Roem.)
Flacourtia indica Merr. (governor's plum)
F. ramontchi (see *Flacourtia indica* Merr.)
Gardenia jasminoides Ellis (cape jasmine; dwarf gardenia)
G. jasminoides Ellis 'Glazieri' (cape jasmine)
G. jasminoides Ellis 'Radicans'
G. thunbergia L. f.
Grevillea sp. (silkoak)
Grewia caffra Meison. (lavender star plant)
 gumbo-limbo (*Bursera simaruba* (L.) Sarg.)
Hamelia patens Jacq. (scarlet bush)
 heather (*Calluna* sp.)
Hibiscus rosa-sinensis L. (rose-of-China)
 hickory (*Carya* sp.)
Hoffmannia sp.
 holly, cassena (*Ilex vomitoria* Ait.)
 honeysuckle, scarlet trumpet (*Lonicera sempervirens**)
 horse-radish tree (*Moringa* sp.)
Ilex vomitoria Ait. (yaupon; cassina holly)
 Indian-laurel (*Ficus retusa* L.)
 iron tree (*Metrosideros tomentosa* A. Rich.)
Ixora coccinea L. (ixora)
 ixora, giant (*Ixora macrothyrsa* Moore)
Ixora macrothyrsa Moore (giant ixora)
I. parviflora Vahl. (ixora)
Jacobinia mohintlii Benth. & Hook. f. (jacobinia)
 jasmine, cape (*Gardenia jasminoides* Ellis)
 jasmine, crape- (*Ervatamia coronaria* Stapf.)
 jasmine, downy (*Jasminum multiflorum* Andr.)
 jasmine, orange (*Murraya* sp.)
 jasmine, pinwheel (*Jasminum gracillimum* Hook. f.)
 jasmine, sambac (*Jasminum sambac* Ait.)
Jasminum gracillimum Hook. f. (pin-wheel jasmine)
J. multiflorum Andr. (downy jasmine)
J. sambac Ait. (sambac jasmine)
Jatropha sp. (bellyache bush; purgenut)
J. hastata Jacq. (peregrina nettlespurge)
 jujube (*Zizyphus* sp.)
Koelreuteria formosana Hayata (flame golden raintree)
Lantana sp. (wild lantana)
 lavender star plant (*Grewia caffra* Meison.)
 lavenderbell (*Strobilanthes* sp.)
 lemon (*Citrus limon* (L.) Burm. f.)
Leucophyllum frutescens Johnston (Texas sage)
Ligustrum sp.
L. sinense Lour.
 lime, Spanish (*Melicocca bijuga* L.)
Litchi chinensis Sonner (lychee)
 longan (*Euphoria longana* Lam.)
*Lonicera sempervirens** (scarlet trumpet honeysuckle)
 loquat (*Eriobotrya japonica* Thunb.)
 lychee (*Litchi chinensis* Sonner)
Macadamia sp. (macadamia)
M. ternifolia F. Muell. (queensland nut)
Magnolia sp.
Mammea americana L. (mamey apple)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
Melicocca bijuga L. (Spanish lime)
Metrosideros tomentosa A. Rich. (iron tree)
Mimusops elengi L.
 monkey-pod (*Samanea saman* Merr.)
Moringa sp. (horse-radish tree)
Murraya sp. (orange jasmine)
Myrica sp. (bayberry)
M. cerifera L. (wax myrtle)
 myrtle, wax (*Myrica cerifera* L.)
 nettlespurge, peregrina (*Jatropha hastata* Jacq.)
 oak (*Quercus* sp.)
 oak, she- (*Casuarina stricta* Dry.)
 oak, silk (*Grevillea* sp.)
 olive, black (*Bucida* sp.)
Oncoba spinosa Forsk.
O. spinosa var. *routledgei* (Sprague) Hort.
 orchid-tree, Florida (*Bauhinia* sp.)
 orchid-tree (*Bauhinia variegata* L.)
 papaya (*Carica papaya* L.)
 peach, flowering (*Prunus persica* (L.) Batsch)
 peepul (*Ficus religiosa* L.)
Peltophorum sp.
Pentas sp.
 pepper, Brazilian (*Schinus terebinthifolius* Raddi)
 pepper tree (*Vitex* sp.)
Persea americana Mill. (avocado)
 persimmon, date-plum (*Diospyros lotus* L.)
 pine, Australian (*Casuarina cunninghamiana* Miq.; *C. equisetifolia* L.; *C. stricta* Dry.)
 pink ball (*Dombeya* sp.)
Pithecellobium sp. (cat's claw)
P. guadalupense (Pers.) Chapm. (black bead)
Plectronia odorata Benth. & Hook. f.
 plum, governor's (*Flacourtia indica* Merr.)
 poinsettia (*Euphorbia pulcherrima* Willd.)
 pomegranate (*Punica granatum* L.)
 popinac (*Acacia* sp.)
Pouteria campechiana (HBK) Baehni (ti-es; egg-fruit)

*Authority for genus and species could not be found.

Prunus persica (L.) Batsch (flowering peach)
Psychotria sulzneri Small (wild coffee)
P. undata Jacq. (wild coffee; seminole balsamo)
Punica granatum L. (pomegranate)
 purgenut (*Jatropha* sp.)
Pyracantha coccinea Roem. (firethorn)
Pyrostegia sp. (bignonia)
 queensland nut (*Macadamia ternifolia* F. Muell.)
Quercus sp. (oak)
Quisqualis sp. (rangoon-creeper)
 raintree (*Samanea saman* Merr.)
 raintree, flame golden (*Koelreuteria formosana* Hayata)
 rangoon-creeper (*Quisqualis* sp.)
Rheedia aristata Griseb.
 robe blanco (*Tabebuia pallida* Miers)
 rose-of-China (*Hibiscus rosa-sinensis* L.)
 sage, red (*Salvia coccinea* Juss.)
 sage, Texas (*Leucophyllum frutescens* Johnston)
 sakaki (*Cleyera japonica* (L.) Thunb.)
Salvia coccinea Juss. (red sage)
Samanea saman Merr. (raintree; monkey-pod; zaman)
 sapodilla (*Achras sapota* L.)
 sapote, white (*Casimiron edulis* Llave & Lex.)
 satinleaf (*Chrysophyllum oliviforme* L.)
 scarlet bush (*Hamelia patens* Jacq.)
Schinus terebinthifolius Raddi (Brazilian pepper)
 serissa (*Serrisa foetida* Lam.)
Serrisa foetida Lam. (serissa)
Severina buxifolia (Poir.) Ten. (Chinese box-orange, boxorange)
 snowberry (*Symphoricarpos* sp.)
Stenolobium sp. (yellow elder)
Sterculia villosa Roxb. (bottle tree)
Strobilanthes sp. (lavenderbell)
Symphoricarpos sp. (snowberry)
Syzygium jambos Alston (roseapple)
Tabebuia sp. (trumpet tree)
T. pallida Miers (robe blanco)
Tabernaemontana sp.
 tail-grape (*Artabotrys* sp.)
 tamarind (*Tamarindus indica* L.)
Tamarindus indica L. (tamarind)
Tecoma sp.
Terminalia arjuna Wight & Arn.
T. catappa L. (tropical almond)
T. muelleri Benth.
 ti-es (*Pouteria campechiana* (HBK) Baehni)
 trumpet tree (*Tabebuia* sp.)
 tung nut tree (*Aleurites fordii* Hemsl.)
Ulmus sp. (elm)
Viburnum odoratissimum Ker.
Vitex sp. (pepper-tree)
V. agnus-castus L. (chaste tree)
 wax myrtle (*Myrica cerifera* L.)
 waxweed (*Cuphea petiolata* (L.) Koehne)
Webera corymbosa Sm.
Wisteria sp.
 yaupon (*Ilex vomitoria* Ait.)

zaman (*Samanea saman* Merr.)
Zizyphus sp. (jujube)

ISCHNASPIS LONGIROSTRIS (SIGNORET) — black thread scale

Acacia sp (popinac)
Acoelorrhaphe wrightii (Griseb. & Wendl.) Wendl. & Becc. (Everglade palm)
Acrocomia sp. (palm)
Actinophloeus macarthurii Becc. (see *Ptychosperma macarthurii* (Wendl.) Nichols.)
Aechmea fulgens Brongn. 'Discolor' (bromeliad)
Agave sp. (century plant)
 akee nut tree (*Blighia sapida* Koenig.)
Allamanda neriifolia Hook. (oleander allamanda)
 allamanda, oleander (*Allamanda neriifolia* Hook.)
Andira sp.
Annona squamosa L. (sugar apple)
 anthurium, hooker (*Anthurium hookeri* Kunth)
Anthurium hookeri Kunth (hooker anthurium)
Antigonon sp. (pink vine)
 apple, sugar (*Annona squamosa* L.)
Archontophoenix alexandrae (F. Muell.) Wendl. & Drude (king palm)
Arecastrum romanzoffianum Becc. (queen palm)
Arenga pinnata (Wurmb.) Merr. (palm)
Arikuryroba schizophylla Becc. (see *Arenga pinnata* (Wurmb.) Merr.)
Artabotrys uncinatus (Lam.) Merr. (tail-grape)
Asparagus plumosus Baker (asparagus fern)
 asparagus, sprenger (*Asparagus sprengeri* Regel)
Asparagus sprengeri Regel (sprenger asparagus)
Balaka seemanni (Wendl.) Becc. (palm)
 banana (*Musa* sp.)
Bauhinia sp. (mountain ebony; Florida orchid-tree)
B. variegata L. (orchid tree)
 bay, bull (*Magnolia grandiflora* L.)
Beaucarnea recurvata Lem. (ponytail)
Billbergia sp.
 birds-eye-bush (*Ochna multiflora* DC.)
Blighia sapida Koenig. (akee nut tree)
 bluebill (*Strobilanthes isophyllus* T. Anders.)
Borassus flabellifer Linn. (palm)
 bottlebrush (*Callistemon* sp.)
 boxorange, Chinese (*Severinia buxifolia* (Poir.) Tenore)
 bromeliad (*Aechmea fulgens* Brongn. 'Discolor'; *Guzmania lingulata* Mez.)
 bulletwood (*Mimusops roxburghiana* Wight)
 butcher's broom (*Ruscus aculeatus* L.)
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
B. Yatay (Mart.) Becc. (butia palm)
 calabash, black (*Enallagma latifolia* Small)
Calathea vandenheckei Regel
Callistemon sp. (bottlebrush)
Camellia sp. (camellia)

- Cananga odorata* Hook. f. & Thoms. (ylang-ylang)
 candletree (*Parmentiera cerifera* DC.)
Carissa sp.
Centella asiatica (L.) Urban
 century plant (*Agave* sp.)
 ceriman (*Monstera deliciosa* Liebm.)
Cestrum sp. (jessamine)
Chamaedorea atrovirens Martius
C. elegans Mart. (palm)
C. erumpens H. E. Moore (cane palm)
C. seifrizii Burnett (palm)
Chamaerops humilis L. (European fan palm)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Citrus sp.
Clausena lansium (Lour.) Skeels (wampee)
Coccothrinax alta (Cook) Becc. (palm)
Cocos nucifera L. (coconut palm)
Coffea sp. (coffee)
 coffee (*Coffea* sp.)
 coffee, wild (*Psychotria undata* Jacq.)
Colocasia sp. (elephant's ear)
Combretum fruticosum Stuntz.
 conehead (*Strobilanthes* sp.)
Copernicia alba Morong (palm)
C. australis Becc. (see *C. alba* Morong)
C. burretiana Leon. (palm)
C. hospita Mart. (palm)
 coral plant (*Ruellia* sp.)
Cycas revoluta Thunb. (sago-palm)
Dictyosperma album (Bory) Wendl. & Drude
 (princess palm)
 ebony apes earing (*Pithecellobium flexicaule* (Benth.) Coult.)
Elaeagnus pungens Thunb. (silver thorn)
E. pungens 'Aurea' (yellowedge thorny elaeagnus)
 elaeagnus, yellowedge thorny (*Elaeagnus pungens* 'Aurea')
Elaeis guineensis Jacq. (African oil palm)
 elephant's ear (*Colocasia* sp.)
Enallagma latifolia Small (black calabash)
Encephalartos lebomboensis Verdoorn (kafir-bread)
Eupritchardia sp. (see *Pritchardia* sp.)
 fatheadtree, guinea peach (*Nauclea esculenta* Merr.)
 fern, asparagus (*Asparagus plumosus* Baker)
Ficus altissima Blume (lofty fig)
F. aurea Nutt. (Florida strangler fig)
F. benjamina L. (weeping rubber; benjamin fig)
F. elastica Roxb. (rubber-plant)
F. jacquiniaefolia A. Rich. (jacquinia fig)
F. nekbudu Warb. (zulu fig)
F. nitida Thunb. (see *Ficus retusa* L.)
F. pandurata Sander (fiddleleaf fig)
F. pumila L. (creeping fig)
F. retusa L. (Indialaurel fig)
F. rubiginosa Vent. (rusty fig)
F. vogelii Miq. (vogel fig)
 fig, benjamin (*Ficus benjamina* L.)
 fig, creeping (*Ficus pumila* L.)
 fig, fiddleleaf (*Ficus pandurata* Sander)
 fig, Florida strangler (*Ficus aurea* Nutt.)
 fig, Indialaurel (*Ficus retusa* L.)
 fig, jacquini (*Ficus jacquiniaefolia* A. Rich.)
 fig, lofty (*Ficus altissima* Blume)
 fig, rusty (*Ficus rubiginosa* Vent.)
 fig, vogel (*Ficus vogelii* Miq.)
 fig, zulu (*Ficus nekbudu* Warb.)
 flag (*Iris* sp.)
Gardenia jasminoides Ellis (cape jasmine)
Ginkgo biloba L. (maidenhair tree)
 grape, tail- (*Artabotrys uncinatus* (Lam.) Merr.)
 guzmania, burning heart (*Guzmania lingulata* Mez. var. *cardinalis*)
Guzmania lingulata Mez. (bromeliad)
G. lingulata Mez. var. *cardinalis* (burning heart guzmania)
 hedgethorn (*Severinia buxifolia* (Poir.) Tenore)
Hedychium sp. (ginger lily)
 holly, American (*Ilex opaca* Ait.)
 honeysuckle (*Lonicera* sp.)
Howeia belmoreana Becc. (Belmore sentry palm)
H. forsteriana (C. Moore & F. Muell.) Becc.
 (Forster sentry palm)
Hydriastele sp. (palm)
Ilex opaca Ait. (American holly)
Iris sp. (flag)
 iris, African (*Moraea iridioides* L.)
Ixora acuminata Roxbg. (sharpleaf ixora)
I. coccinea L. 'Singapore'
I. parviflora Vahl. (giant ixora)
 jasmine (*Jasminum amplexicaule* Don; *J. gracile* Andr.)
 jasmine, cape (*Gardenia jasminoides* Ellis)
 jasmine, Confederate (*Trachelospermum jasminoides* Lam.)
 jasmine, gold coast (*Jasminum dichotomum* Vahl.)
Jasminum amplexicaule Don (jasmine)
J. dichotomum Vahl. (gold coast jasmine)
J. gracile Andr. (jasmine)
J. multiflorum Andr.
 jessamine (*Cestrum* sp.)
 jessamine, orange (*Murraya* sp.)
Justicia sp. (justicia)
 kafirbread (*Encephalartos lebomboensis* Verdoorn)
 lancewood (*Ocotea catesbyana* (Michx.) Sarg.)
Latania commersonii Gmel. (see *L. lontaroides* (Gaertn.) Moore)
L. loddigesii Mart. (blue latan palm)
L. lontaroides (Gaertn.) Moore (red latan palm)
 lavenderbell (*Strobilanthes* sp.)
Ligustrum ovalifolium Hassk. (California privet)
 lily, ginger (*Hedychium* sp.)
 limeberry (*Triphasia trifolia* Burm.)
Litchi chinensis Sonner (lychee)

Livistona altissima Zoll. (see *L. rotundifolia* (Lam.) Mart.)
L. chinensis (Jacq.) R. Br. (Chinese fan palm)
L. rotundifolia (Lam.) Mart. (palm)
Lonicera sp. (honeysuckle)
 lychee (*Litchi chinensis* Sonner)
Macrozamia sp.
Magnolia grandiflora L. (bull bay; southern magnolia)
 mahogany (*Swietenia mahogani* Jacq.)
 maidenhair tree (*Ginkgo biloba* L.)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
Mascarena versaffeltii (Wendl.) Bailey (spindle palm)
Mimusops roxburghiana Wight (bulletwood; wild sapodilla)
Monstera deliciosa Liebm. (ceriman)
Moraea iridioides L. (African iris)
M. northiana Schneevogt
Morea sp.
 moss, rose- (*Portulaca grandiflora* Hook.)
 mountain ebony (*Bauhinia* sp.)
Murraya sp. (orange jessamine)
Musa sp. (banana)
Nauclea esculenta Merr. (guinea peach fathead-tree)
Nectandra coriacea (Sw.) Griseb. (see *Ocotea catesbyana* (Michx.) Sarg.)
Neodopsis decaryi Jumelle (triangle palm)
Nephthytis sp.
Nolina tuberculata Hort.
Noronhia emarginata Poir.
Ochna multiflora DC. (birds-eye bush)
Ocotea catesbyana (Michx.) Sarg. (lancewood)
 olive, sweet or tea (*Osmanthus fragrans* Lour.)
Oncidium sp. (orchid)
 orchid (*Oncidium* sp.)
 orchid tree (*Bauhinia variegata* L.)
 orchid-tree, Florida (*Bauhinia* sp.)
Osmanthus fragrans Lour. (sweet olive; tea olive)
 palmetto, saw (*Serenoa repens* (Bartram) Small)
 palmetto, dwarf saw (*Rhaphidophyllum hystrix* (Pursh) H. Wendl. & Drude)
 palms:
Acrocomia sp.
 African oil (*Elaeis guineensis* Jacq.)
Arenga pinnata (Wurmb.) Merr.
Balaka seemanni (Wendl.) Becc.
Borassus flabellifer Linn.
 butia (*Butia yatay* (Mart.) Becc.)
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 Canary Island date (*Phoenix canariensis* Chaub.)
 cane (*Chamaedorea erumpens* H. E. Moore)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
Chamaedorea elegans Mart.
C. siefrizii Burnett

Chinese fan (*Livistona chinensis* (Jacq.) R. Br.)
 Christmas (*Veitchia merrillii* (Becc.) Moore)
 coconut (*Cocos nucifera* L.)
Coccothrinax alta (Cook) Becc.
Copernicia alba Morong
C. burretiana Leon.
C. hospita Mart.
 dwarf date (*Phoenix roebelenii* O'Brien)
 European fan (*Chamaerops humilis* L.)
 Everglade (*Acoelorrhapha wrightii* (Griseb. & Wendl.) Wendl. & Becc.)
 featherduster (*Rhopalostylis sapida* Wendl. & Drude)
Hydriastele sp.
 jelly (*Butia capitata* (Mart.) Becc.)
 king (*Archontophoenix alexandrae* (F. Muell.) Wendl. & Drude)
 latan, blue (*Latania loddigesii* Mart.)
 latan, red (*Latania lontaroides* (Gaertn.) Moore)
Livistona rotundiflora (Lam.) Mart.
 MacArthur (*Ptychosperma macarthurii* (Wendl.) Nichols.)
 Manila (*Veitchia merrillii* (Becc.) Moore)
 needle (*Rhaphidophyllum hystrix* (Pursh) H. Wendl. & Drude)
Phoenix sylvestris (Linn.) Roxb.
 pigmy date (*Phoenix roebelenii* O'Brien)
 pindo (*Butia capitata* (Mart.) Becc.)
 princess (*Dictyosperma album* (Bory) Wendl. & Drude)
Pseudophoenix sargentii Wendl.
 queen (*Arecastrum romanzoffianum* Becc.)
 royal, Florida (*Roystonea elata* (Bart.) F. Harper)
Sabal causiarum (Cook) Becc.
 sago- (*Cycas revoluta* Thunb.)
 senegal date (*Phoenix reclinata* Jacq.)
 sentry, Belmore (*Howea belmoreana* Becc.)
 sentry, Forster (*Howea forsteriana* (C. Moore & F. Muell.) Becc.)
 solitaire (*Ptychosperma elegans* (R. Br.) Blume)
 spindle (*Mascarena versaffeltii* (Wendl.) Bailey)
Trachycarpus takil Becc.
Thrinax sp.
 triangle (*Neodopsis decaryi* Jumelle)
 Washington, Mexican (*Washingtonia robusta* Wendl.)
 windmill (*Trachycarpus fortunei* H. Wendl.)
Pandanus sp. (screwpine)
Parmentiera cerifera DC. (candletree)
P. edulis DC.
Paurotis wrightii (Griseb. & Wendl.) Britton (see *Acoelorrhapha* sp.)
 pepper-tree, Brazilian (*Schinus terebinthifolius* Raddi)
Philodendron cordatum Kunth
P. x evansii (*P. selloum* C. Koch x *P. speciosum* Schott)

P. pertusum Kunth & Bouché
Phoenix canariensis Chaub. (Canary Island date palm)
P. reclinata Jacq. (senegal date palm)
P. roebelenii O'Brien (dwarf date palm; pigmy date palm)
P. sylvestris (Linn.) Roxbg. (palm)
Pithecellobium flexicaule (Benth.) Coult. (ebony apes earring)
 pine, screw (*Pandanus* sp.)
 pink vine (*Antigonon* sp.)
 ponytail (*Beaucarnea recurvata* Lem.)
 popinac (*Acacia* sp.)
Portulaca grandiflora Hook. (rose-moss)
Pritchardia sp. (palm)
 privet, California (*Ligustrum ovalifolium* Hassk.)
Pseudophoenix sargentii Wendl. (palm)
Psychotria undata Jacq. (wild coffee)
Ptychosperma elegans (R. Br.) Blume (solitaire palm)
P. macarthurii (Wendl.) Nichols. (MacArthur palm)
Pyrostegia sp. (pyrostegia)
Randia sp. (randia)
Rhapidophyllum hystrix (Pursh) H. Wendl. & Drude (needle palm; dwarf saw palmetto)
Rhopalostylis sapida Wendl. & Drude (feather-duster palm)
Rosa muscosa Ait. (moss rose)
 rose, moss (*Rosa muscosa* Ait.)
Roystonea elata (Bart.) F. Harper (Florida royal palm)
 rubber-plant (*Ficus elastica* Roxb.)
 rubber, weeping (*Ficus benjamina* L.)
Ruellia sp. (coral plant)
Ruscus aculeatus L. (butchers broom)
Sabal causiarum Becc. (palm)
S. palmetto (Walt.) Lodd. (cabbage palm)
 sapodilla, wild (*Mimusops roxburghiana* Wight)
Schinus terebinthifolius Raddi (Brazilian pepper-tree)
 screwpine (*Pandanus* sp.)
Serenoa repens (Bartram) Small (saw palmetto)
Severinia buxifolia (Poir.) Tenore (Chinese box-orange; hedgethorn)
 silverthorn (*Elaeagnus pungens* Thunb.)
Spathiphyllum friedrichsthalii Schott (spathiphyllum)
Strobilanthes sp. (conehead; lavenderbell)
S. isophyllus T. And. (bluebill)
Swietenia mahogani Jacq. (mahogany)
Thrinax sp. (palm)
Trachelospermum jasminoides Lam. (Confederate jasmine)
Trachycarpus fortunei H. Wendl. (windmill palm)
T. takil Becc. (palm)
Triphasia trifolia Burm. (limeberry)
Veitchia merrillii (Becc.) Moore (Manila palm; Christmas palm)
 wampee (*Clausena lansium* (Lour.) Skeels)

Washingtonia robusta Wendl. (Mexican Washington palm)
 ylang-ylang (*Canaga odorata* Hook. f. & Thoms.)
Zamia sp.

KUWANASPIS HOWARDI (COOLEY) — bamboo white scale

bamboo (*Bambusa* sp.)
Bambusa sp. (bamboo)

KUWANASPIS PSEUDOLEUCASPIS (KUWANA) — bamboo diaspidid scale

bamboo (*Bambusa* sp.)
Bambusa sp. (bamboo)

LEPIDOSAPHES BECKII (NEWMAN) — purple scale

Allamanda sp.
 anise tree (*Pimpinella anisum* L.)
 apple, kei- (*Dovyalis caffra* Warb.)
Artabotrys uncinatus (Lam.) Merr. (climbing ylang-ylang)
 bayonet, Spanish (*Yucca aloifolia* L.)
Beaucarnea sp.
 beauty bush (*Kolkwitzia* sp.)
 bellyache bush (*Jatropha* sp.)
 Brazilian pepper-tree (*Schinus* sp.)
Camellia japonica L.
Cananga odorata Hook. f. & Thomas (ylang-ylang)
Carissa sp. (hedgethorn)
C. grandiflora A. DC. (natal plum)
Carya illinoensis Koch (pecan)
Cassia sp.
 chalcas (*Murraya* sp.)
 citron melon (*Citrullus vulgaris* Schrad.)
Citrullus vulgaris Schrad. (citron melon)
Citrus aurantifolia (Swingle) Christm. (Key lime)
C. aurantium L. (sour orange)
C. japonica Swingle (see *Fortunella japonica* Swingle)
C. limon Burm. f. (lemon), 'Bearss' (Bearss lemon)
C. paradisi Macf. (grapefruit)
C. reticulata Blanco (tangerine)
C. sinensis Osbeck (sweet orange)
Cleyera japonica (L.) Thunb. (sakaki)
Codiaeum sp. (croton)
 comptie (*Zamia integrifolia* Ait.)
 coontie (*Zamia integrifolia* Ait.)
Cornus sp. (dogwood)
 croton (*Codiaeum* sp.)
Cucurbita pepo L. (field pumpkin)
 dogwood (*Cornus* sp.)
Dovyalis caffra Warb. (kei-apple)
Edgeworthia gardneri Meissn. (paper bush)
Elaeagnus fruitlandi Berck. (elaeanthus)
Eugenia sp.

Euonymus sp.
Feijoa sellowiana Berg. (feijoa)
Forsythia sp. (golden bells)
Fortunella crassifolia Swingle (kumquat; meiwa)
F. japonica Swingle (marumi kumquat)
 gallberry (*Ilex glabra* Gray)
 golden bells (*Forsythia* sp.)
 grapefruit (*Citrus paradisi* Macf.)
 hedgethorn (*Carissa* sp.)
Hiptage sp.
 holly:
 American (*Ilex opaca* Ait.)
 Burford (*Ilex cornuta* Lindl. & Paxton 'Burfordii')
 Chinese (*Ilex cornuta* Lindl. & Paxton)
 Ilex integra Thunb.
 lusterleaf (*Ilex latifolia* Thunb.)
 honeysuckle (*Lonicera* sp.)
Ilex cornuta Lindl. & Paxton (Chinese holly)
I. cornuta Lindl. & Paxton 'Burfordii' (Burford holly)
*I. femina** (holly)
I. glabra Gray (gallberry; inkberry; winterberry)
I. integra Thunb. (holly)
I. latifolia Thunb. (lusterleaf holly; tarajo)
I. opaca Ait. (American holly)
 inkberry (*Ilex glabra* Gray)
 jasmine, China boxorange (*Murraya exotica* L.)
 jasmine, orange (*Murraya* sp.)
Jatropha sp. (bellyache bush; purgenut)
 jessamine, orange (*Murraya* sp.)
Juglans sp. (walnut)
 kumquat (*Fortunella japonica* Swingle)
Kolkwitzia sp. (beauty bush)
 laurel, English (see *Laurus* sp.)
Laurus sp. (English laurel)
 lemon (*Citrus limon* Burm. f.)
 lemon, Bearss (*Citrus limon* Burm. f. 'Bearss')
Ligustrum sp.
 lilac (*Syringa* sp.)
 lime, key (*Citrus aurantifolia* (Swingle) Christm.)
Lonicera sp. (honeysuckle)
Magnolia sp.
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 meiwa (*Fortunella crassifolia* Swingle)
 mistletoe (*Phoradendron flavescens* Nutt.)
Murraya sp. (chalcas; orange jasmine; orange jessamine)
M. exotica L. (see *M. paniculata* (L.) Jack)
M. paniculata (L.) Jack (Chinabox orange jasmine)
 myrtle (*Myrtus* sp.)
Myrtus sp. (myrtle)
 natal plum (*Carissa grandiflora* A. DC.)
 orange, sour (*Citrus aurantium* L.)
 orange, sweet (*Citrus sinensis* Osbeck)
*Pachysandra thrysoides**
 paper bush (*Edgeworthia gardneri* Meissn.)

Passiflora sp. (passion flower)
 passion flower (*Passiflora* sp.)
 pecan (*Carya illinoensis* Koch)
 periwinkle (*Vinca* sp.)
Phoradendron flavescens Nutt. (mistletoe)
Pimpinella anisum L. (anise tree)
Pittosporum sp.
 plum, natal (*Carissa grandiflora* A. DC.)
 pumpkin, field (*Cucurbita pepo* L.)
 purgenut (*Jatropha* sp.)
 sakaki (*Cleyera japonica* (L.) Thunb.)
 seminole bread (*Zamia integrifolia* Ait.)
Schinus sp. (Brazilian pepper-tree)
 Spanish dagger (*Yucca aloifolia* L.)
Syringa sp. (lilac)
 tangerine (*Citrus reticulata* Blanco)
 tarajo (*Ilex latifolia* Thunb.)
Thunbergia sp.
 Vinca sp. (periwinkle)
 walnut (*Juglans* sp.)
 winterberry (*Ilex glabra* Gray)
 ylang-ylang (*Cananga odorata* Hook. f. & Thomas)
 ylang-ylang, climbing (*Artabotrys uncinatus* (Lam.) Merr.)
Yucca aloifolia L. (Spanish bayonet; Spanish dagger)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (comptie; coontie; seminole bread)

LEPIDOSAPHES CAMELLIAE HOKE — camellia scale

Camellia japonica L.
C. sasanqua Thunb.
Cleyera japonica (L.) Thunb. (sakaki)
Cupressus sempervirens L. (Mediterranean cypress)
 cypress, Mediterranean (*Cupressus sempervirens* L.)
 hawthorn, India (*Rhaphiolepis* sp.)
 holly, Burford (*Ilex cornuta* Lindl. & Paxton 'Burfordii')
 holly, Japanese (*Ilex crenata* Thunb. 'Rotundifolia')
Ilex cornuta Lindl. & Paxton 'Burfordii' (Burford holly)
I. crenata Thunb. 'Pendula'
I. crenata Thunb. 'Rotundifolia' (Japanese holly)
Ligustrum sp.
Magnolia sp.
Rhaphiolepis sp. (India hawthorn)
 sakaki (*Cleyera japonica* (L.) Thunb.)
Ternstroemia sp.

LEPIDOSAPHES GLOVERII (PACKARD) — Glover scale

Aeglopsis chevalieri Swingle (ivorycoast aeglopsis)

*Authority for genus and species could not be found.

aeglopsis, ivorycoast (*Aeglopsis chevalieri* Swingle)

Aglaia odoratissima Benth. (little grain orchid)

arborvitae (*Thuja* sp.)

bay, bull (*Magnolia grandiflora* L.)

boxwood (*Buxus* sp.)

Buxus sp. (boxwood)

calamondin (*Citrus mitis* Blanco)

cherrylaurel (*Prunus* sp.)

citron (*Citrus medica* L.)

Citrus aurantifolia (Swingle) Christm. (lime)

C. aurantium L. (sour orange)

C. limon Burm. f. (lemon)

C. medica L. (citron)

C. mitis Blanco (calamondin)

C. paradisi Macf. (grapefruit)

C. reticulata Blanco (tangerine), 'Unshiu' (satsuma)

C. sinensis Osbeck (sweet orange)

Cupressus sempervirens L. (Italian cypress)

cypress, Italian (*Cupressus sempervirens* L.)

Elaeagnus pungens Thunb. (silver thorn)

Euonymus sp.

grapefruit (*Citrus paradisi* Macf.)

Hedera sp. (ivy)

ivy (*Hedera* sp.)

lemon (*Citrus limon* Burm. f.)

Ligustrum lucidum Ait. (privet)

lime (*Citrus aurantifolia* (Swingle) Christm.)

lime, wild (*Zanthoxylum fagara* (L.) Sarg.)

Magnolia grandiflora L. (bull bay)

Morus sp. (mulberry)

mulberry (*Morus* sp.)

myrtle (*Myrtus* sp.)

myrtle, wax (*Myrica cerifera* L.)

Myrica cerifera L. (wax myrtle)

Myrtus sp. (myrtle)

orange, sour (*Citrus aurantium* L.)

orange, sweet (*Citrus sinensis* Osbeck)

orange, trifoliate (*Poncirus trifoliata* (L.) Raf.)

orchid, little grain (*Aglaia odoratissima* Benth.)

palm, cabbage (*Sabal palmetto* (Walt.) Lodd.)

Podocarpus elongata L'Her. (podocarpus)

P. macrophylla Don

Poncirus trifoliata Raf. (trifoliate orange)

privet (*Ligustrum lucidum* Ait.)

Prunus sp. (cherrylaurel)

Sabal palmetto (Walt.) Lodd. (cabbage palm)

satsuma (*Citrus reticulata* Blanco 'Unshiu')

silver thorn (*Elaeagnus pungens* Thunb.)

tangerine (*Citrus reticulata* Blanco)

Thuja sp. (arborvitae)

Zanthoxylum fagara (L.) Sarg. (wild lime)

orchid:

Cymbidium sp.

Dendrobium sp.

LEPIDOSAPHES PALLIDA (MASKELL) — Maskell scale

Araucaria sp. (Norfolk Island pine)

arborvitae (*Thuja orientalis* L.)

Callistris robusta R. Br. (cypress pine)

cedar, deodar (*Cedrus deodara* Loud.)

cedar, red (*Juniperus virginiana* L.)

cedar, Southern red (*Juniperus silicicola* (Small) Bailey)

Cedrus deodara Loud. (deodar cedar)

Chamaecyparis thyoides (L.) B.S.P. 'Andelyensis'

Citrus aurantifolia Swingle (lime)

Cryptomeria sp.

Cupressus sempervirens L. (Italian cypress)

cypress, bald (*Taxodium* sp.)

cypress, Italian (*Cupressus sempervirens* L.)

cypress, pine (*Callistris robusta* R. Br.)

juniper, blue rug (*Juniperus horizontalis* Moench 'Wiltonii' (Blue Rug))

juniper, California (*Juniperus californica* Carr.)

juniper, Chinese (*Juniperus chinensis* L.; *Juniperus chinensis* L. 'Albo-Variegata')

juniper, common (*Juniperus communis* L.)

juniper, Greek (*Juniperus excelsa* Bieb. 'Stricta')

juniper, Hollywood (*Juniperus chinensis* L. 'Torulosa')

juniper, Japanese (*Juniperus japonica* Carr.)

juniper, pfitzer's (*Juniperus chinensis* L. 'Pfitzeriana')

juniper, shore (*Juniperus conferta* Parl.)

Juniperus californica Carr. (California juniper)

J. chinensis L. (Chinese juniper)

J. chinensis L. 'Albo-Variegata' (Chinese juniper)

J. chinensis L. 'Densa Glauca'

J. chinensis L. 'Pfitzeriana' (pfitzer's juniper)

J. chinensis L. 'Sylvestris'

J. chinensis L. 'Torulosa' (Hollywood juniper)

J. communis L. (common juniper)

J. conferta Parl. (shore juniper)

J. excelsa Bieb. 'Stricta' (Greek juniper)

J. horizontalis Moench 'Wiltonii' (Blue Rug) (blue rug juniper)

J. japonica Carr. (Japanese juniper)

J. silicicola (Small) Bailey (Southern red cedar)

J. virginiana L. (red cedar)

lily turf (*Liriope* sp.)

lime (*Citrus aurantifolia* Swingle)

Liriope sp. (lily turf)

pine, Norfolk Island (*Araucaria* sp.)

pine, Swiss mountain (*Pinus mugo* Turra)

Pinus mugo Turra. (Swiss mountain pine)

Taxodium sp. (bald cypress)

Thuja orientalis L. (arborvitae)

LEPIDOSAPHES MACHILI (MASKELL) — cymbidium scale

Cymbidium sp. (orchid)

Dendrobium sp. (orchid)

LEPIDOSAPHES ULMI (LINNAEUS) — oyster-shell scale

Ficus carica L. (common fig)
fig, common (*Ficus carica* L.)

LINDINGASPIS FLORIDANA FERRIS — florida scale

Allamanda sp.
Annona muricata L. (soursop)
avocado (*Persea americana* Mill.)
Ficus elastica Roxb. (rubber plant)
F. retusa L. (Indialaurel fig)
fig, Indialaurel (*Ficus retusa* L.)
Howeia sp. (sentry palm)
Jacaranda sp.
Ligustrum sp.
Mangifera indica L. (mango)
mango (*Mangifera indica* L.)
palm (*Phoenix* sp.)
palm, sentry (*Howeia* sp.)
Persea americana Mill. (avocado)
Phoenix sp. (palm)
rubber plant (*Ficus elastica* Roxb.)
soursop (*Annona muricata* L.)
tamarind (*Tamarindus indica* L.)
Tamarindus indica L. (tamarind)

LOPHOLEUCASPIS COCKERELLI (GRANDPRÉ AND CHARMOY) — Cockerell scale

Coelogyne corrugata Wight (orchid)
orchid (*Coelogyne corrugata* Wight; *Vanda* sp.)
Vanda sp. (orchid)

MELANASPIS ALIENA (NEWSTEAD) — alien scale

Cattleya sp. (orchid)
orchid (*Cattleya* sp.)

MELANASPIS BROMELIAE (LEONARDI) — ananas scale

Ananas sp. (pineapple)
pineapple (*Ananas* sp.)

MELANASPIS COCCOLOBAE FERRIS — sea-grape scale

Coccoloba diversifolia Jacq. (pigeon plum)
C. uvifera L. (seagrape)
plum, pigeon (*Coccoloba diversifolia* Jacq.)
seagrape (*Coccoloba uvifera* L.)

MELANASPIS MIMOSAE (COMSTOCK) — mimosa scale

Acacia sp. (popinac)
Achras sapota L. (sapodilla)
Agathis sp. (kauri pine)
Albizia lebeck Benth. (womans-tongue tree)
Annona squamosa L. (sugar apple; sweetsop)

Anthericum liliago L. (St. Bernard lily)
apple, rose (*Syzygium jambos* Alston)
apple, sugar (*Annona squamosa* L.)
boxwood, English (*Schaefferia frutescens* Jacq.)
burning bush (*Euonymus* sp.)
Callitris robusta R. Br. (cypress pine)
Camellia sinensis (L.) Kuntze (tea)
Cassia sp. (senna)
Casuarina sp. (Australian pine)
cedar, stinking (*Torreya* sp.)
Cephalotaxus sp. (plum-yew)
Cestrum sp. (willow-leaved jessamine)
cherry, barbados (*Malpighia glabra* L.)
cherry, surinam (*Eugenia uniflora* L.)
Chinese rice paper plant (*Tetrapanax papyriferus* Koch)
Cleyera japonica (L.) Thunb. (sakaki)
Cocculus sp. (snailseed)
Doryanthes palmeri W. Hill (spear lily)
Eugenia uniflora L. (surinam cherry; pitanga)
Euonymus sp. (strawberry bush; burning bush)
Euphorbia pulcherrima Willd. (poinsettia)
Ficus aurea Nutt. (wild rubber)
F. elastica Roxb. 'Doescheri' (rubber-plant)
genip (*Melicocca bijuga* L.)
hog plum (*Spondias* sp.)
Howeia sp. (sentry palm)
jasmine, Spanish (*Jasminum* sp.)
Jasminum sp. (Spanish jasmine)
Jatropha sp. (purgenut)
jessamine, willow-leaved (*Cestrum* sp.)
Juglans sp. (walnut)
lily, spear (*Doryanthes palmeri* W. Hill)
lily, St. Bernard (*Anthericum liliago* L.)
lime, Spanish (*Melicocca bijuga* L.)
Lindera benzoin Blume (spice-bush)
Lonicera sp. (woodbine)
maidenhair vine (*Muehlenbeckia* sp.)
Malpighia glabra L. (Barbados cherry)
mamoncillo (*Melicocca bijuga* L.)
Melicocca bijuga L. (Spanish lime; genip; mamoncillo)
Mondo sp. (snakes beard)
Muehlenbeckia sp. (wireplant; maidenhair vine)
orange, natal- (*Strychnos spinosa* Lam.)
orchid (*Vanda* sp.)
palm, sentry (*Howeia* sp.)
Pandanus sp. (screwpine)
pear (*Pyrus* sp.)
Photinia serrulata Lindl. (photinia)
pine, Australian (*Casuarina* sp.)
pine, cypress (*Callitris robusta* R. Br.)
pine, kauri (*Agathis* sp.)
pine, screw (*Pandanus* sp.)
pitanga (*Eugenia uniflora* L.)
plum, hog (*Spondias* sp.)
Podocarpus macrophylla Don
P. macrophylla D. Don 'Maki'
poinsettia (*Euphorbia pulcherrima* Willd.)
poison nut (*Strychnos spinosa* Lam.)

popinac (*Acacia* sp.)
 purgenut (*Jatropha* sp.)
Pyrus sp. (pear)
Rosa odorata Sweet (tea rose)
 rose, tea (*Rosa odorata* Sweet)
 rubber-plant (*Ficus elastica* Roxb. 'Doescheri')
 rubber, wild (*Ficus aurea* Nutt.)
Ruscus sp.
 sakaki (*Cleyera japonica* (L.) Thunb.)
Salix sp. (willow)
 sapodilla (*Achras sapota* L.)
Schaefferia frutescens Jacq. (English boxwood)
 screwpine (*Pandanus* sp.)
 senna (*Cassia* sp.)
 snailseed (*Cocculus* sp.)
 snakes beard (*Mondo* sp.)
 sparkleberry (*Vaccinium* sp.)
 spice-bush (*Lindera benzoin* Blume)
Spondias sp. (hog plum)
 stinking cedar (*Torreya* sp.)
 strawberry bush (*Euonymus* sp.)
Strychnos spinosa Lam. (poison nut; natal-orange)
 sweetsop (*Annona squamosa* L.)
Syzygium jambos Alston (roseapple)
 tea (*Camellia sinensis* (L.) Kuntze)
Tetrapanax papyriferus Koch (Chinese rice paper plant)
Torreya sp. (stinking cedar)
Vaccinium sp. (sparkleberry)
Vanda sp. (orchid)
Viburnum odoratissimum Ker
 walnut (*Juglans* sp.)
 willow (*Salix* sp.)
 wireplant (*Muehlenbeckia* sp.)
 womans-tongue tree (*Albizzia lebeck* Benth.)
 woodbine (*Lonicera* sp.)
 yew, plum- (*Cephalotaxus* sp.)

MELANASPIS OBSCURA (COMSTOCK) — obscure scale

Acer barbatum Michx. (Florida maple)
Carya illinoensis Koch (pecan)
C. tomentosa Nutt. (hickory; mockernut)
Castanea sp. (chestnut; chinquapin)
 chestnut (*Castanea* sp.)
 chinquapin (*Castanea* sp.)
 elm (*Ulmus* sp.)
 elm, water (*Planera aquatica* Gmel.)
 grape, muscadine (*Vitis* sp.)
 hickory (*Carya tomentosa* Nutt.)
 maple, Florida (*Acer barbatum* Michx.)
 mockernut (*Carya tomentosa* Nutt.)
 oak, Eastern pin (*Quercus palustris* Muenchh.)
 oak, laurel (*Quercus virginiana* Mill.)
 oak, live (*Quercus virginiana* Mill.)
 oak, Northern red (*Quercus rubra* L.)
 oak, scarlet (*Quercus coccinea* Muenchh.)
 oak, scrub (*Quercus laevis* Walt.)

oak, water (*Quercus nigra* L.)
 pecan (*Carya illinoensis* Koch)
Planera aquatica Gmel. (water elm; planer tree)
 planer tree (*Planera aquatica* Gmel.)
Quercus coccinea Muenchh. (scarlet oak)
Q. laevis Walt. (scrub oak)
Q. laurifolia Michx. (laurel oak)
Q. nigra L. (water oak)
Q. palustris Muenchh. (Eastern pin oak)
Q. rubra L. (Northern red oak)
Q. virginiana Mill. (live oak)
Sapindus sp. (soapberry)
 soapberry (*Sapindus* sp.)
Ulmus sp. (elm)
Viburnum obovatum Walt. (viburnum)
Vitis sp. (muscadine grape)

MELANASPIS SMILACIS (COMSTOCK) — smilax scale

Baccharis halimifolia L. (groundsel)
Ceratiola ericoides Michx. (rosemary)
 elderberry (*Sambucus simpsonii* Rehder)
 elder, Florida (*Sambucus simpsonii* Rehder)
Eugenia buxifolia (see *Eugenia myrtoides* Poir.)
E. myrtoides Poir. (Spanish stopper)
 greenbrier (*Smilax auriculata* Walt.)
 groundsel (*Baccharis halimifolia* L.)
 holly (*Ilex* sp.)
 holly, yaupon (*Ilex vomitoria* Ait.)
 horsebrier (*Smilax* sp.)
Ilex sp.
I. vomitoria Ait. (yaupon holly)
Iva frutescens L.
Myrica cerifera L. (wax myrtle)
 myrtle (*Myrtus* sp.)
 myrtle, wax (*Myrica cerifera* L.)
Myrtus sp. (myrtle)
 rosemary (*Ceratiola ericoides* Michx.)
Sambucus simpsonii Rehder (Florida elder; elderberry)
Smilax sp. (horsebrier)
S. auriculata Walt. (greenbrier)
 Spanish stopper (*Eugenia myrtoides* Poir.)
Viburnum obovatum Walt. (water viburnum)
 viburnum, water (*Viburnum obovatum* Walt.)
Yucca sp. (yucca)

MELANASPIS TENEBRICOSA (COMSTOCK) — gloomy scale

Acer sp. (white maple)
A. negundo L. (boxelder)
A. rubrum L. (red maple)
A. saccharinum L. (silver maple)
 boxelder (*Acer negundo* L.)
 buckthorn (*Rhamnus* sp.)
Cercis sp. (red bud)
 gallberry (*Ilex glabra* Gray)
 grape (*Vitis* sp.)
 grape, summer (*Vitis aestivalis* Michx.)

Ilex glabra Gray (gallberry)
Liquidambar styraciflua L. (sweetgum)
 maple, red (*Acer rubrum* L.)
 maple, silver (*Acer saccharinum* L.)
 maple, white (*Acer* sp.)
Morus sp. (mulberry)
 mulberry (*Morus* sp.)
 red bud (*Cercis* sp.)
Rhamnus sp. (buckthorn)
Sapindus sp. (soapberry)
 soapberry (*Sapindus* sp.)
 sweetgum (*Liquidambar styraciflua* L.)
Vitis sp. (grape)
V. aestivalis Michx. (summer grape)

MORGANELLA CUEROENSIS (COCKERELL) —
 Cuero scale

bay, bull (*Magnolia grandiflora* L.)
 bay (*Persea* sp.)
 bay, sweet (*Magnolia virginiana* L.)
Carica papaya L. (papaya)
Decumaria barbara L.
Magnolia grandiflora L. (bull bay)
M. virginiana L. (sweet bay)
Myrica cerifera L. (wax myrtle)
 myrtle, wax (*Myrica cerifera* L.)
 papaya (*Carica papaya* L.)
Parthenocissus sp. (Virginia creeper)
Persea sp. (bay)
 Virginia creeper (*Parthenocissus* sp.)

MYCETASPIS DEFECTOPALUS FERRIS —
 defecto scale

bay
Bumelia tenax L. (tough bumelia)
 mahogany (*Swietenia mahogani* Jacq.)
 mastic (*Sideroxylon* sp.)
Sideroxylon sp. (mastic)
Swietenia mahogani Jacq. (mahogany)
 tough bumelia (*Bumelia tenax* L.)

MYCETASPIS PERSONATA (COMSTOCK) —
 masked scale

Achras sapota L. (sapodilla)
 cherry, barbados (*Malpighia glabra* L.)
 cherry, wild (*Prunus* sp.)
Coccoloba uvifera L. (seagrape)
Eugenia simpsoni (Small) Sarg. (stopper tree)
Ficus sp. (rubber tree)
Malpighia glabra L. (barbados cherry)
Prunus sp. (wild cherry)
Rosa sp. (rose)
 rose (*Rosa* sp.)
 rubber tree (*Ficus* sp.)
 sapodilla (*Achras sapota* L.)
 seagrape (*Coccoloba uvifera* L.)
 stopper tree (*Eugenia simpsoni* (Small) Sarg.)

NELASPIS CROOKIAE FERRIS — crookea scale

Crookea microsepala (see *Hypericum microsepalum* (Torr. & Gray) Gray)
Hypericum microsepalum (Torr. & Gray) Gray
 (St. Johnswort)
 St. Johnswort (*Hypericum microsepalum* (Torr. & Gray) Gray)

NEOPINNASPIS HARPERI MCKENZIE — Har-
 per scale

bay
 cafta (*Catha edulis* Forsk.)
Callicarpa americana L. (French mulberry)
Carya tomentosa Nutt. (mockernut hickory)
Catha edulis Forsk. (khat; cafta; Arabian-tea)
Cornus sp. (dogwood)
 dogwood (*Cornus* sp.)
Eriobotrya japonica Lindl. (loquat)
Ficus carica L. (common fig)
 fig, common (*Ficus carica* L.)
 hickory, mockernut (*Carya tomentosa* Nutt.)
 holly (*Ilex myrtifolia* Walt.)
 holly, American (*Ilex opaca* Ait.)
Ilex myrtifolia Walt. (holly)
I. opaca Ait. (American holly)
 khat (*Catha edulis* Forsk.)
Liquidambar styraciflua L. (sweetgum)
Liriodendron tulipifera L. (tulip tree)
 loquat (*Eriobotrya japonica* Lindl.)
 mistletoe (*Phoradendron flavescens* Nutt.)
 mulberry, French (*Callicarpa americana* L.)
Myrica cerifera L. (wax myrtle)
 myrtle, wax (*Myrica cerifera* L.)
 oak (*Quercus* sp.)
Phoradendron flavescens Nutt. (mistletoe)
Quercus sp. (oak)
Salix nigra Marsh. (black willow)
 snowberry (*Styrax americana* Lam.)
 sparkleberry (*Vaccinium arboreum* Marsh.)
 storax (*Styrax americana* Lam.)
Styrax americana Lam. (snowberry; storax)
 sweetgum (*Liquidambar styraciflua* L.)
 tea, Arabian- (*Catha edulis* Forsk.)
 tulip tree (*Liriodendron tulipifera* L.)
Vaccinium arboreum Marsh. (sparkleberry)
 willow, black (*Salix nigra* Marsh.)

NUCULASPIS CALIFORNICA (COLEMAN) —
 black pineleaf scale

pine (*Pinus* sp.)
Pinus sp. (pine)
P. elliotii Engelm.

ODONASPIS PENICILLATA GREEN — peni-
 cillate scale

bamboo (*Bambusa multiplex* (Lour.) Roesch.)
Bambusa multiplex (Lour.) Roesch. (bamboo)

ODONASPIS RUTHAE KOTINSKY — Bermuda grass scale

Axonopus affinis Chase (carpet-grass)
Brachiaria plantaginea (Link) Hitchc. (signal grass)
Cenchrus sp. (sandbrier)
Cymbopogon citratus (DC.) Stapf. (lemon grass)
Cynodon dactylon L. (Bermuda grass)
Chloris petraea Swartz (stiffleaf chloris)
 chloris, stiffleaf (*Chloris petraea* Swartz)
Digitaria sanguinalis (L.) Scop. (crabgrass)
Eleusine indica (L.) Gaertn. (goose grass)
Eremochloa ophiuroides (Munro) Hack. (centipede grass)
 grass:
 Bermuda (*Cynodon dactylon* L.)
 carpet- (*Axonopus affinis* Chase)
 centipede (*Eremochloa ophiuroides* (Munro) Hack.)
 crab (*Digitaria sanguinalis* (L.) Scop.)
 goose (*Eleusine indica* (L.) Gaertn.)
 knot-root bristle (*Setaria geniculata* (Lam.) Beauv.)
 lemon (*Cymbopogon citratus* (DC.) Stapf.)
 Napier (*Pennisetum purpureum* Schumach.)
 natal- (*Rhynchelytrum roseum* (Nees) Stapf. & Hubb.)
 para (*Panicum purpurascens* Raddi)
 pigeon*
 signal (*Brachiaria plantaginea* (Link) Hitchc.)
 smut (*Sporobolus poiretii* (Roem. & Schult.) Hitchc.)
 St. Augustine (*Stenotaphrum secundatum* Walt.)
Panicum purpurascens Raddi (paragrass)
Pennisetum purpureum Schumach. (napier grass)
Rhynchelytrum roseum (Nees) Stapf & Hubb. (natal-grass)
 sandbrier (*Cenchrus* sp.)
Setaria geniculata (Lam.) Beauv. (knot-root bristle grass)
Sporobolus indicus (see *Sporobolus poiretii* (Roem. & Schult.) Hitchc.)
S. poiretii (Roem. & Schult.) Hitchc. (smut grass)
Stenotaphrum secundatum (Walt.) Kuntze (St. Augustine grass)
Tricholaena repens (see *Rhynchelytrum roseum* (Nees) Stapf. & Hubb.)

ODONASPIS SACCHARICAULIS (ZEHTNER) — para grass scale

cane (*Phragmites communis* Trin.)
Digitaria decumbens Stent. (pangola grass)
 grass, napier (*Pennisetum purpureum* Schumach.)
 grass, pangola (*Digitaria decumbens* Stent.)
 grass, para (*Panicum purpurascens* Raddi)
Panicum purpurascens Raddi (paragrass)
Pennisetum purpureum Schumach. (napier grass)

Phragmites communis Trin. (common reed; cane reed, common (*Phragmites communis* Trin.)

PALINASPIS QUOHOGIFORMIS (MERRILL) — quohog-shaped scale

Acacia sp. (popinac)
Adenanthera sp. (bead tree)
Althaea sp.
 annatto tree (*Bixa orellana* L.)
Annona reticulata L. (bullocksheart; custard apple)
 apple, custard (*Annona reticulata* L.)
Bauhinia sp. (mountain ebony; Florida orchid-tree)
 bead tree (*Adenanthera* sp.)
Bixa orellana L. (annatto tree; lipstick tree)
 black-eyed susan (*Thunbergia alata* Bojer)
 bleeding heart (*Dicentra* sp.)
Bougainvillea sp.
Bucida buceras L. (black olive)
Buddleja lindleyana Fort. (butterfly bush)
 bullocksheart (*Annona reticulata* L.)
 butterfly bush (*Buddleja lindleyana* Fort.)
Caesalpinia sappan L. (divi-divi; nickernut)
 cafta (*Catha edulis* Forsk.)
Calocarpum sapota Jacq. (sapote)
Calondendrum capense Thunb. (cape chestnut)
Camellia sp.
C. japonica L.
Campsis sp. (trumpet-creeper)
 carob (*Ceratonia siligua* L.)
Catha edulis Forsk. (khat; Arabian-tea; cafta)
Ceratonia siligua L. (carob)
Cestrum sp. (jessamine)
 chestnut, cape (*Calondendrum capense* Thunb.)
Citharexylum sp. (fiddlewood)
Codiaeum sp. (croton)
Cotoneaster sp.
 croton (*Codiaeum* sp.)
Dicentra sp. (bleeding heart)
 divi-divi (*Caesalpinia sappan* L.)
 elder, yellow (*Stenolobium* sp.)
Ficus altissima Blume (lofty fig)
F. infectoria Roxb. (dotted fig)
 fiddlewood (*Citharexylum* sp.)
 fig, dotted (*Ficus infectoria* Roxb.)
 fig, lofty (*Ficus altissima* Blume)
 fig, mysore (*Ficus mysorensis* Heyne)
Ficus mysorensis Heyne (mysore fig)
Gardenia sp.
 grape (*Vitis* sp.)
Grevillea sp. (silkoak)
 grevillea, banks (*Grevillea banksii* R. Br.)
Grevillea banksii R. Br. (banks grevillea)
Hibiscus sp.
 honeysuckle, cape (*Tecomaria capensis* Spach)
Jacaranda sp.
 jasmine, Arabian (*Jasminum sambac* Ait.)
 jasmine, sambac (*Jasminum sambac* Ait.)

*Scientific name could not be verified.

Jasminum sambac Ait. (Arabian or sambac jasmine)
 Jerusalem thorn (*Parkinsonia* sp.)
 jessamine (*Cestrum* sp.)
 jessamine, orange (*Murraya* sp.)
 khat (*Catha edulis* Forsk.)
Lawsonia sp. (mignonette-tree)
Ligustrum sp.
 lipstick tree (*Bixa orellana* L.)
Litchi chinensis Sonner (lychee)
 lychee (*Litchi chinensis* Sonner)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 mignonette-tree (*Lawsonia* sp.)
Morus alba L. (white mulberry)
 mountain ebony (*Bauhinia* sp.)
 mulberry, white (*Morus alba* L.)
Murraya sp. (orange jessamine)
 nickernut (*Caesalpinia sappan* L.)
 olive, black (*Bucida buceras* L.)
 orchid-tree, Florida (*Bauhinia* sp.)
Parkinsonia sp. (Jerusalem thorn)
 pepper-tree (*Schinus* sp.)
Petrea sp. (purple wreath)
 plum (*Prunus* sp.)
Poinciana sp.
 popinac (*Acacia* sp.)
Prunus sp. (plum)
 purple wreath (*Petrea* sp.)
 rose-of-sharon (*Althaea* sp.)
 sandalwood (*Santalum* sp.)
Santalum sp. (sandalwood)
Sapindus marginatus Willd. (soapberry)
 sapote (*Calocarpum sapota* Jacq.)
Schinus sp. (pepper-tree)
Serissa sp.
 silkoak (*Grevillea* sp.)
 snowbell, big leaf (*Styrax grandifolia* Ait.)
 soapberry (*Sapindus marginatus* Willd.)
Stenolobium sp. (yellow elder)
Styrax grandifolia Ait. (storax; big leaf snowbell)
 storax (*Styrax grandifolia* Ait.)
 tamarind (*Tamarindus indica* L.)
Tamarindus indica L. (tamarind)
 tea, Arabian- (*Catha edulis* Forsk.)
Tecomaria capensis Spach (cape honeysuckle)
Thunbergia alata Bojer (black-eyed susan)
 trumpet-creeper (*Campsis* sp.)
Vitis sp. (grape)

PARLATOREOPSIS CHINENSIS (MARLATT) —
 Chinese obscure scale

alamo (*Ficus religiosa* L.)
 banyan (*Ficus bengalensis* L.)
 bo-tree (*Ficus religiosa* L.)
Ficus:
altissima Blume (lofty fig)
aurea Nutt. (strangler fig; wild rubber)
bengalensis L. (banyan)

benjamina L. (weeping fig)
brevifolia Nutt. (shortleaf fig)
capensis Thunb. (cape fig)
elastica Roxb. (rubber-plant)
glabella Blume (smooth fig)
glomerata Roxb. (cluster fig)
indica L. (India fig)
infectoria Roxb. (dotted fig)
microphylla Salzm. (Moreton Bay fig)
mitrophora Warb. (fig)
mysorensis Heyne (mysore fig)
nekbudu Warb. (zulu fig)
nitida Thunb. (see *Ficus retusa* L.)
pandurata Sander (fiddleleaf fig)
religiosa L. (alamo; peepul; bo-tree; sacred fig)
retusa L. (Indialaurel fig)
roxburghi Wall. (roxburgh fig)
vogelii Miq. (vogel fig)
 fig:
 cape (*Ficus capensis* Thunb.)
 cluster (*Ficus glomerata* Roxb.)
 dotted (*Ficus infectoria* Roxb.)
Ficus mitrophora Warb.
 fiddleleaf (*Ficus pandurata* Sander)
 India (*Ficus indica* L.)
 Indialaurel (*Ficus retusa* L.)
 lofty (*Ficus altissima* Blume)
 Moreton Bay (*Ficus microphylla* Salzm.)
 mysore (*Ficus mysorensis* Heyne)
 roxburgh (*Ficus roxburghi* Wall.)
 sacred (*Ficus religiosa* L.)
 shortleaf (*Ficus brevifolia* Nutt.)
 smooth (*Ficus glabella* Blume)
 strangler (*Ficus aurea* Nutt.)
 vogel (*Ficus vogelii* Miq.)
 weeping (*Ficus benjamina* L.)
 zulu (*Ficus nekbudu* Warb.)
 peepul (*Ficus religiosa* L.)
 rubber-plant (*Ficus elastica* Roxb.)
 rubber, wild (*Ficus aurea* Nutt.)

PARLATORIA CAMELLIAE COMSTOCK —
 camellia parlatoria scale

Camellia japonica L. (camellia)
C. sasanqua Thunb. (camellia)
Eurya japonica Thunb.
 jasmine (*Jasminum undulatum* Ker)
Jasminum ilicifolium (see *Jasminum undulatum* Ker)
J. undulatum Ker (jasmine)
 laurel (*Laurus* sp.)
Laurus sp. (laurel)
 olive, sweet (*Osmanthus fragrans* Lour.)
Osmanthus fragrans Lour. (sweet olive)

PARLATORIA CROTONIS DOUGLAS — croton
 parlatoria scale

Codiaeum variegatum Blume (croton)
 croton (*Codiaeum variegatum* Blume)

PARLATORIA PERGANDII COMSTOCK — chaff scale

Acacia sp.
Aegle marmelos (L.) Correa (baelfruit)
Aleurites fordii Hemsl. (China wood oil tree; tung oil tree)
 apple, rose (*Syzygium jambos* Alston)
Archontophoenix alexandrae (F. Muell.) Wendl. & Drude (king palm)
Ardisia sp.
Arecastrum romanzoffianum Becc. (queen palm)
Asparagus plumosus Baker (asparagus fern)
A. plumosus Baker 'Pyramidalis'
 asparagus, sprenger (*Asparagus sprengeri* Regel)
Asparagus sprengeri Regel (sprenger asparagus)
assonia (*Dombeya* sp.)
Aucuba sp. (golddust plant)
 baelfruit (*Aegle marmelos* (L.) Correa)
 bay (*Persea* sp.)
 bay, sweet (*Magnolia virginiana* L.)
 bayonet, Spanish (*Yucca* sp.)
Bignonia sp. (see *Pyrostegia* sp.)
 boxthorn (*Severinia buxifolia* (Poir.) Ten.)
 boxwood (*Buxus* sp.)
 brier, green (*Smilax* sp.)
Buxus sp. (boxwood)
 cajeput (*Melaleuca leucadendron* L.)
 calamondin (*Citrus mitis* Blanco)
 calico-bush (*Kalmia latifolia* L.)
Camellia japonica L. (camellia)
C. sinensis (L.) Kuntze (tea)
 camphor tree (*Cinnamomum* sp.)
Carissa grandiflora A. DC. (natal plum)
 ceriman (*Monstera deliciosa* Liebm.)
 China wood oil tree (*Aleurites fordii* Hemsl.)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Cinnamomum sp. (camphor tree)
 citron (*Citrus medica* L.)
Citrus aurantifolia (Swingle) Christm. (lime)
Citrus aurantium L. (sour orange)
C. limon Burm. f. (lemon)
C. medica L. (citron)
C. mitis Blanco (calamondin)
C. paradisi Macf. (grapefruit)
C. reticulata Blanco (tangerine)
C. sinensis Osbeck (sweet orange)
Cocos sp. (palm)
Codiaeum variegatum Blume (croton)
 comptie; coontie (*Zamia integrifolia* Ait.)
 croton (*Codiaeum variegatum* Blume)
 currants (*Ribes* sp.)
Cycas revoluta Thunb. (sago palm)
Diospyros sp. (persimmon)
Dombeya sp. (*assonia*)
Eugenia sp.
Euonymus sp.
E. japonicus L. (spindle tree)
Feijoa sellowiana Berg. (feijoa)

"fern," coontie (*Zamia integrifolia* Ait.)
 fern, asparagus (*Asparagus plumosus* Baker)
Ficus benjamina L. (weeping rubber)
F. elastica Roxb. (rubber-plant)
Fortunella sp. (kumquat)
 glycosmis, malay (*Glycosmis pentaphylla* Correa)
Glycosmis pentaphylla Correa (malay glycosmis)
 golddust plant (*Aucuba* sp.)
 gooseberry (*Ribes* sp.)
 grapefruit (*Citrus paradisi* Macf.)
Grevillea sp. (silkoak)
 guava (*Psidium* sp.)
 hemlock (*Tsuga* sp.)
Hibiscus mutabilis L. (Confederate or cotton rose)
 honeysuckle (*Lonicera* sp.)
Hydriastele sp. (palm)
Ilex latifolia Thunb. (lusterleaf holly; tarajo)
Ixora coccinea L.
 jasmine (*Jasminum gracile* Andr.; *Jasminum undulatum* Ker)
 jasmine, gold coast (*Jasminum dichotomum* Vahl.)
 jasmine, star (*Trachelospermum jasminoides* Lem.)
Jasminum dichotomum Vahl. (gold coast jasmine)
J. gracile Andr. (jasmine)
J. ilicifolium (see *J. undulatum* Ker)
J. undulatum Ker (jasmine)
 Jerusalem thorn (*Parkinsonia* sp.)
Kalmia latifolia L. (mountain laurel; calico-bush)
 kumquat (*Fortunella* sp.)
Lantana sp.
Latania loddigesii Mart. (blue latan palm)
 laurel, English (*Laurus* sp.)
 laurel, mountain (*Kalmia latifolia* L.)
Laurus sp. (English laurel)
 leaf flower (*Phyllanthus* sp.)
 lemon (*Citrus limon* Burm. f.)
Leucophyllum frutescens Johnston (Texas sage or Texas silverleaf)
Ligustrum sp.
 limeberry (*Triphasia trifolia* Burm.)
 lime (*Citrus aurantifolia* (Swingle) Christm.)
Lonicera sp. (honeysuckle)
Magnolia virginiana L. (sweet bay)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
Melaleuca leucadendra L. (cajeput; punk tree)
Mimosa sp.
Monstera deliciosa Liebm. (ceriman)
Nerium sp. (oleander)
Nolina tuberculata Hort. ex Gentil (nolina)
 oak, silk (*Grevillea* sp.)
 oleander (*Nerium* sp.)
 olive, sweet (*Osmanthus fragrans* Lour.)
 olive, tea (*Osmanthus fragrans* Lour.)
 orange, sour (*Citrus aurantium* L.)
 orange, sweet (*Citrus sinensis* Osbeck)

orange, trifoliolate (*Poncirus trifoliata* Raf.)
 orchid (*Vanda teres* (Roxb.) Ldl. x *V. hookeriana* Rchb. f.)
Osmanthus fragrans Lour. (sweet olive; tea olive)
 palms:
 blue latan (*Latania loddigesii* Mart.)
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
 Cocos sp.
 Hydriastele sp.
 king (*Archontophoenix alexandrae* (F. Muell.) Wendl. & Drude)
 Phoenix dactylifera L.
 Ptychosperma sp.
 queen (*Arecastrum romanzoffianum* Becc.)
 sago (*Cycas revoluta* Thunb.)
 senegal date (*Phoenix reclinata* Jacq.)
 Trachycarpus sp.
Pandanus sp. (screwpine)
Parkinsonia sp. (Jerusalem thorn)
 pepper-tree (*Schinus* sp.)
Persea sp. (bay)
 persimmon (*Diospyros* sp.)
Phoenix dactylifera L. (palm)
P. reclinata Jacq. (senegal date palm)
Photinia sp.
Phyllanthus sp. (leaf flower)
Pittosporum sp.
 plum, natal (*Carissa grandiflora* A. DC.)
Poncirus trifoliata Raf. (trifoliolate orange)
Psidium sp. (guava)
Ptychosperma sp. (palm)
 punk tree (*Melaleuca leucadendra* L.)
 pyracantha (*Pyracantha coccinea* Roem.)
Pyracantha coccinea Roem. (pyracantha)
Pyrostegia sp.
Ribes sp. (currants; gooseberries)
 rose, Confederate (*Hibiscus mutabilis* L.)
 rubber-plant (*Ficus elastica* Roxb.)
 rubber, weeping (*Ficus benjamina* L.)
 sage, Texas (*Leucophyllum frutescens* Johnston)
Schinus sp. (pepper-tree)
 screwpine (*Pandanus* sp.)
 seminole bread (*Zamia integrifolia* Ait.)
Severinia buxifolia (Poir.) Ten. (boxthorn)
Smilax sp. (greenbrier)
 spindle tree (*Euonymus japonicus* L.)
Syzygium jambos Alston (roseapple)
 tangerine (*Citrus reticulata* Blanco)
 tarajo (*Ilex latifolia* Thunb.)
 tea (*Camellia sinensis* (L.) Kuntze)
 Texas silverleaf (*Leucophyllum frutescens* Johnston)
Trachelospermum jasminoides Lem. (star jasmine)
Trachycarpus sp. (palm)
Tradescantia sp. (wandering jew)
Triphasia trifolia Burm. (limeberry)
Tsuga sp. (hemlock)

tung oil tree (*Aleurites fordii* Hemsl.)
Vanda teres (Roxb.) Ldl. x *V. hookeriana* Rchb. f. (orchid)
Viburnum odoratissimum Ker (viburnum)
V. rhytidophyllum Hemsl. (leatherleaf viburnum)
V. suspensum Lindl.
V. tinus L. (round leaf viburnum)
 wandering jew (*Tradescantia* sp.)
Yucca sp. (Spanish bayonet)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (comptie; coontie "fern"; seminole bread)

PARLATORIA PROTEUS (CURTIS) — proteus scale

Achras sapota L. (sapodilla)
Acrocomia sp.
Aechmea sp.
Aerides odoratum Lour. (orchid)
Agave sp. (century plant)
Aloe sp. (aloe)
*Anthurium benglii**
 apple, rose (*Syzygium jambos* Alston)
Araucaria sp. (monkeypuzzle tree)
Arecastrum romanzoffianum Becc. (queen palm)
Arenga pinnata (Wurmb) Merr. (palm)
A. saccharifera LaBill. (see *Arenga pinnata* (Wurmb) Merr.)
 arrowroot (*Maranta* sp.)
Asparagus falcatus L. (sickle thorn)
A. plumosus Baker (asparagus fern)
 asparagus, sprenger (*Asparagus sprengeri* Regel)
Asparagus sprengeri Regel (sprenger asparagus)
Aspidistra sp.
Asplenium nidus L. (birds-nest fern)
 avocado (*Persea americana* Mill.)
 bamboo (*Bambusa* sp.)
Bambusa sp. (bamboo)
Bauhinia sp. (mountain ebony; Florida orchid-tree)
 bay, bull (*Magnolia grandiflora* L.)
Beaucarnea recurvata Lem. (ponytail; ponytail plant)
Bignonia sp. (*Pyrostegia* sp.)
Billbergia sp.
 bird-of-paradise (*Strelitzia reginae* Banks)
 bottlebrush (*Callistemon* sp.)
 boxwood (*Buxus* sp.)
Broughtonia domingensis Rolfe (orchid)
 bromeliads
 bromeliad (*Cryptbergia rubra**)
Bumelia sp.
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
Buxus sp. (boxwood)
 cacti
 calamondin (*Citrus mitis* Blanco)
Callistemon sp. (bottlebrush)

*Authority for genus and species could not be found.

- Camellia sasanqua* Thunb. (camellia)
C. sinensis (L.) Kuntze (tea)
Carissa grandiflora A. DC. (natal plum)
Caryota mitis Lour. (fishtail palm)
Cattleya sp. (orchid)
Centella asiatica (L.) Urban
C. repanda (Pers.) Small (see *Centella asiatica* (L.) Urban)
centipede plant (*Homalocladium platycladum* Bailey)
century plant (*Agave* sp.)
Ceratozamia mexicana Brongn. (Mexico horncone)
ceriman (*Monstera deliciosa* Liebm.)
cherry, Australian brush (*Eugenia paniculata* Banks)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Chrysobalanus sp. (cocoplum)
cigarette plant (*Cuphea* sp.)
Cinnamomum sp. (cinnamon)
Citrus mitis Blanco (calamondin)
C. reticulata Blanco (tangerine)
C. sinensis Osbeck (sweet orange)
clock-vine (*Thunbergia* sp.)
Coccothrinax sp. (palm)
Cocculus sp. (snailseed)
Cocos nucifera L. (coconut palm)
Codiaeum variegatum Blume (croton)
comptie; coontie (*Zamia integrifolia* Ait.)
crape-myrtle (*Lagerstroemia indica* L.)
croton (*Codiaeum variegatum* Blume)
*Cryptbergia rubra** (bromeliad)
Cycas circinalis L. (queen sago)
C. revoluta Thunb. (sago-palm)
Cymbidium sp. (orchid)
Cuphea sp. (cigarette plant)
Dendrobium sp. (orchid)
Dracaena sp. (dracena)
Elaeagnus sp. (elaeanthus)
elder, yellow (*Stenolobium* sp.)
Epidendrum nemorale Lindl. (orchid)
Eugenia paniculata Banks (Australian brush cherry)
Euonymus sp. (strawberry bush)
E. japonicus L. (spindle tree)
E. obovatus Nutt. (running strawberry bush)
Euphorbia sp. (euphorbia)
Fatshedera sp.
fern, asparagus (*Asparagus plumosus* Baker)
fern, birds-nest (*Asplenium nidus* L.)
"fern," coontie (*Zamia integrifolia* Ait.)
Ficus altissima Blume (lofty fig)
F. jacquiniaefolia A. Rich.
F. pandurata Sander (banjo fig)
F. villosa Blume (shaggy fig)
fig, banjo (*Ficus pandurata* Sander)
fig, lofty (*Ficus altissima* Blume)
fig, shaggy (*Ficus villosa* Blume)
Fortunella sp. (kumquat)
Gardenia sp. (cape jasmine)
Gasteria stayneri Poelln.
grass, mondo (*Ophiopogon japonicus* Ker)
grass, Japanese (*Zoysia matrella* (L.) Merr.)
Hedera sp. (ivy)
holly, Burford (*Ilex cornuta* Lindl. & Paxton 'Burfordii')
Homalocladium platycladum Bailey (ribbon bush; centipede plant)
horncone, Mexico (*Ceratozamia mexicana* Brongn.)
Howeia sp. (sentry palm)
Ilex cornuta Lindl. & Paxton 'Burfordii' (Burford holly)
ivy (*Hedera* sp.)
Jacobinia sp.
jasmine (*Jasminum undulatum* Ker)
jasmine, cape (*Gardenia* sp.)
jasmine, star (*Trachelospermum jasminoides* Lem.)
Jasminum undulatum Ker (jasmine)
kumquat (*Fortunella* sp.)
Laelia anceps Lindl. (orchid)
Lagerstroemia indica L. (crape-myrtle)
latan, red (*Latania lontaroides* (Gaertn.) Moore)
Latania sp. (latan palm)
L. lontaroides (Gaertn.) Moore (red latan)
Ligustrum sp. (privet)
L. japonicum Thunb.
L. lucidum Ait.
lilyturf (*Liriope muscari* Bailey; *L. graminifolia* Baker; *L. spicata* Lour.)
lilyturf, creeping (*Liriope spicata* Lour.)
Liriope graminifolia Baker (lilyturf)
L. muscari Bailey (lilyturf)
L. spicata Lour. (lilyturf; creeping lilyturf)
Livistona sp. (palm)
L. australis (Brown) Mart.
luckynut (*Thevetia peruviana* Schum.)
Macrozamia moorei F. Muell. ex C. Moore
Magnolia grandiflora L. (bull bay)
Maranta sp. (arrowroot)
Mascarena sp. (palm)
Maxillaria variabilis Batem. (orchid)
Mondo jaburan Bailey (ophiopogon)
monkeypuzzle tree (*Araucaria* sp.)
Monstera deliciosa Liebm. (ceriman)
Moraea sp.
mountain ebony (*Bauhinia* sp.)
myrtle, downy (*Rhodomyrtus tomentosa* Wight)
myrtle, trailing (*Vinca minor* L.)
Nephtytis sp.
Nerium oleander L. (oleander)
Nolina tuberculata Hort. ex Gentil
Olea europaea Linn. (olive)
oleander (*Nerium oleander* L.)
oleander, yellow (*Thevetia peruviana* Schum.)
olive (*Olea europaea* Linn.)
ophiopogon (*Mondo jaburan* Bailey)
Ophiopogon japonicus Ker (mondo grass)

*Authority for genus and species could not be found.

orange, sweet (*Citrus sinensis* Osbeck)

orchids:

Aerides odoratum Lour.

Broughtonia domingensis Rolfe

Cattleya sp.

Cymbidium sp.

Dendrobium sp.

Epidendrum nemorale Lindl.

Laelia anceps Lindl.

Maxillaria variabilis Batem.

moth (*Phalaenopsis* sp.)

Phaius maculatus Lindl.

Pleurothallis saurocephala Lodd.

Renanthera storiei Reichb.

*Spathoglottis aloefolium**

*Vanda leilani**

V. roblingiana Rolfe

V. sanderiana x *kono**

orchid-tree, Florida (*Bauhinia* sp.)

palmetto, bush (*Sabal minor* (Jacq.) Pers.)

palmetto, dwarf (*Sabal minor* (Jacq.) Pers.)

palmetto, dwarf saw (*Rhapidophyllum hystrix* (Pursh) H. Wendl. & Drude)

palms:

Arenga pinnata (Wurmb) Merr.

butterfly- (*Chrysalidocarpus lutescens* Wendl.)

cabbage (*Sabal palmetto* (Walt.) Lodd)

Canary Island date (*Phoenix canariensis* Chaub.)

cane, golden (*Chrysalidocarpus lutescens* Wendl.)

Coccothrinax sp.

coconut (*Cocos nucifera* L.)

dwarf date (*Phoenix roebelenii* O'Brien)

fishtail (*Caryota mitis* Lour.)

jelly (*Butia capitata* (Mart.) Becc.)

latan (*Latania* sp.)

Livistona sp.

Mascarena sp.

needle (*Rhapidophyllum hystrix* (Pursh) H. Wendl. & Drude)

Phoenix dactylifera L.

P. pusilla Gaertn.

P. rupicola T. And.

P. sylvestris (Linn.) Roxb.

pigmy date (*Phoenix roebelenii* O'Brien)

pindo (*Butia capitata* (Mart.) Becc.)

Pritchardia sp.

Pseudophoenix sp. (palm)

Ptychosperma sp.

queen (*Arecastrum romanzoffianum* Becc.)

royal (*Roystonea* sp.)

Sabal glaucescens Lodd. & Moore

sago- (*Cycas revoluta* Thunb.)

sago, queen (*Cycas circinalis* L.)

senegal date (*Phoenix reclinata* Jacq.)

sentry (*Howeia* sp.)

Thrinax sp.

Veitchia sp.

Washingtonia sp.

Pandanus sp. (screwpine)

Passiflora sp. (passion vine)

passion vine (*Passiflora* sp.)

Peperomia sp. (peperomia)

pepper-tree, Brazilian (*Schinus terebinthifolius* Raddi)

periwinkle (*Vinca major* L.)

Persea americana Mill. (avocado)

Phaius maculatus Lindl. (orchid)

Phalaenopsis sp. (moth orchid)

Philodendron panduraeforme Kunth.

P. pertusum Kunth & Bouché

P. wendlandii Schott

Phoenix canariensis Chaub. (Canary Island date palm)

P. dactylifera L. (palm)

P. pusilla Gaertn. (palm)

P. reclinata Jacq. (senegal date palm)

P. roebelenii O'Brien (dwarf date palm; pigmy date palm)

P. rupicola T. And. (palm)

P. sylvestris (Linn.) Roxb. (palm)

Pleurothallis saurocephala Lodd. (orchid)

plum, coco (*Chrysobalanus* sp.)

plum, natal (*Carissa grandiflora* A. DC.)

Podocarpus macrophylla D. Don 'Maki' (podocarpus)

P. nagi Makino (podocarpus)

ponytail and ponytail plant (*Beaucarnea recurvata* Lem.)

Pothos scandens L.

Pritchardia sp. (palm)

privet (*Ligustrum* sp.)

Pseudophoenix sp. (palm)

Ptychosperma sp. (palm)

Pyrostegia sp.

queen sago (*Cycas circinalis* L.)

Quisqualis sp. (rangoon-creeper)

rangoon-creeper (*Quisqualis* sp.)

Ravenala madagascariensis Sonn. (travelers-tree)

Renanthera storiei Reichb. (orchid)

Rhapidophyllum hystrix (Pursh) H. Wendl. & Drude (needle palm; dwarf saw palmetto)

Rhodomyrtus tomentosa Wight (downy myrtle)

ribbon bush (*Homalocladium platycladum* Bailey)

Roystonea sp. (royal palm)

Sabal glaucescens Lodd. ex H. E. Moore (palm)

S. minor (Jacq.) Pers. (bush palmetto; dwarf palmetto)

S. palmetto (Walt.) Lodd. (cabbage palm)

sapodilla (*Achras sapota* L.)

Schefflera sp.

Schinus terebinthifolius Raddi (Brazilian pepper-tree)

screwpine (*Pandanus* sp.)

seminole bread (*Zamia integrifolia* Ait.)

Severina buxifolia (Poir.) Tenore (timor)

sickle thorn (*Asparagus falcatus* L.)

*Authority for genus and species could not be found.

snailseed (*Cocculus* sp.)
*Spathoglottis aloefolium** (orchid)
 spindle tree (*Euonymus japonicus* L.)
Stenolobium sp. (yellow elder)
 strawberry bush (*Euonymus* sp.)
 strawberry bush, running (*Euonymus obovatus* Nutt.)
Strelitzia reginae Banks (bird-of-paradise)
Syngonium sp.
Syzygium jambos Alston (roseapple)
 tangerine (*Citrus reticulata* Blanco)
 tea (*Camellia sinensis* (L.) Kuntze)
Thevetia nereifolia (see *Thevetia peruviana* Schum.)
T. peruviana Schum. (yellow oleander; luckynut)
Thrinax sp. (palm)
Thunbergia sp. (clock-vine)
 timor (*Severinia buxifolia* (Poir.) Tenore)
Torreya taxifolia Arn.
Trachelospermum jasminoides Lem. (star jasmine)
 travelers-tree (*Ravenala madagascariensis* Sonn.)
*Vanda leilani** (orchid)
V. roblingiana Rolfe (orchid)
V. sanderiana x *kono**
 vanilla, common (*Vanilla planiflora* Andr.)
Vanilla planiflora Andr. (common vanilla)
Veitchia sp. (palm)
Viburnum odoratissimum Ker (viburnum)
V. sargentii Koehne 'Susquehauna'
Vinca major L. (periwinkle)
V. minor L. (trailing myrtle; common periwinkle)
Washingtonia sp. (palm)
Yucca sp.
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (coontie 'fern'; comptie; seminole bread)
Zoysia matrella (L.) Merr. (Japanese grass)

PINNASPIS ASPIDISTRAE (SIGNORET) — fern scale

Acrostichum danaeaeifolium Langsd. & Fisch (leather-fern)
Adiantum sp. (maidenhair fern)
Agave sp. (century plant)
Alpinia sp.
Alsophila sp. (tree fern)
Anthurium sp. (anthurium)
Ardisia sp. (spiceberry)
A. crenata Sims (ardisia)
Arecastrum romanzoffianum Becc. (queen palm)
Asparagus falcatus L. (fern)
A. plumosus Baker (asparagus fern)
 asparagus, sprenger (*Asparagus sprengeri* Regel)
Asparagus sprengeri Regel (sprenger asparagus)
Aspidistra elatior Blume (aspidistra; iron plant)
Asplenium nidus L. (birds-nest fern)

Bauhinia sp. (jupiter tree; mountain ebony; Florida orchid-tree)
 bay, southern sweet (*Magnolia virginiana australis* Sarg.)
 bay, sweet (*Magnolia virginiana* L.)
Begonia sp. (begonia)
Butia sp. (butia palm)
 cajeput (*Melaleuca leucadendron* L.)
Camellia japonica L.
 century plant (*Agave* sp.)
Cheilanthes sp. (lace fern)
Chlorophytum sp.
 cinnamon (*Cinnamomum* sp.)
Cinnamomum sp. (cinnamon)
Citrus aurantium L. (sour orange)
C. paradisi Macf. (grapefruit)
C. sinensis Osbeck (sweet orange)
Codiaeum sp. (croton)
 comptie (*Zamia integrifolia* Ait.)
 coontie "fern" (*Zamia integrifolia* Ait.)
 croton (*Codiaeum* sp.)
 cycad (*Cycas media* R. Br.; *C. circinalis* L.)
Cycas circinalis L. (cycad)
C. media R. Br. (cycad)
C. revoluta Thunb. (sago-palm)
Cyrtomium falcatum Presl (house holly fern)
Davallia fejeensis Hook. (rabbit foot fern)
Dicksonia antarctica LaBill. (fern)
Dodonaea sp.
Dracaena sp. (dracena)
 fern:
Asparagus falcatus L.
 asparagus (*Asparagus plumosus* Baker)
 bear's-foot (*Humata tyermannii* Moore)
 bears-nest (*Asplenium nidus* L.)
 Boston (*Nephrolepis exaltata bostoniensis* Davenport)
Dicksonia antarctica LaBill.
 elkhorn (*Platyserium willinkii* Moore)
 halberd (*Tectaria heracleifolia* (Willd.) Underw.)
 house holly (*Cyrtomium falcatum* Presl)
 lace (*Cheilanthes* sp.)
 leather (*Acrostichum danaeaeifolium* Langsd. & Fisch)
 leatherleaf (*Polystichum adiantiforme* J. Smith; *P. lonchitis* (L.) Roth)
 maidenhair (*Adiantum* sp.)
 polypody (*Polypodium punctatum* (L.) Sw.)
Pycnodoria vittata (L.) Small
 rabbit foot (*Davallia fejeensis* Hook.)
 resurrection (*Polypodium polypodioides* (L.) Watt)
 staghorn (*Platyserium bifurcatum* C. Chr.)
 sword (*Nephrolepis cordifolia* (L.) Presl)
 table (*Pteris* sp.)
 tree (*Alsophila* sp.)
 wood (*Thelypteris normalis* (C. Chr.) Moxley)
 geranium (*Pelargonium* sp.)
 grapefruit (*Citrus paradisi* Macf.)

*Authority for genus and species could not be found.

greenbrier (*Smilax rotundifolia* L.)
Hemerocallis sp. (daylily)
Hibiscus sp.
H. syriacus L. (rose-of-sharon)
Howea sp. (sentry palm)
Humata tyermannii Moore (bear's-foot fern)
 iron plant (*Aspidistra elatior* Blume)
 jessamine, orange (*Murraya paniculata* (L.) Jack)
 jupiter tree (*Bauhinia* sp.)
 lilyturf (*Liriope muscari* Bailey; *L. spicata* Lour.; *Ophiopogon jaburan* Lodd.)
Liriope muscari Bailey (lilyturf)
L. spicata Lour. (lilyturf)
Magnolia virginiana L. (sweet bay)
M. virginiana australis Sarg. (southern sweet bay)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
Melaleuca leucadendra L. (cajeput; punk tree)
 mountain ebony (*Bauhinia* sp.)
Murraya paniculata (L.) Jack (orange jessamine)
Nephrolepis cordifolia (L.) Presl (sword fern)
N. exaltata bostoniensis Davenport (Boston fern)
N. whitmanii (see *N. exaltata bostoniensis* Davenport)
Nolina sp. (pony tail plant)
Ophiopogon jaburan Lodd. (lilyturf; snakebeard)
 orange, sour (*Citrus aurantium* L.)
 orange, sweet (*Citrus sinensis* Osbeck)
 orchids
 orchid-tree, Florida (*Bauhinia* sp.)
 orpine (*Sedum* sp.)
 palm:
 butia (*Butia* sp.)
 lady- (*Rhapis excelsa* (Thunb.) Henry)
 queen (*Arecastrum romanzoffianum* Becc.)
 sago- (*Cycas revoluta* Thunb.)
 sentry (*Howea* sp.)
Pelargonium sp. (geranium)
Platyserium bifurcatum C. Chr. (staghorn fern)
P. willinckii Moore (elkhorn fern)
Polygonella fimbriata (Ell.) Horton (thysanella)
Polypodium polypodioides (L.) Watt (resurrection fern)
P. punctatum (L.) Sw. (polypody fern)
Polystichum adiantiforme J. Smith (leatherleaf fern)
P. lonchitis (L.) Roth (leatherleaf fern)
 pony tail plant (*Nolina* sp.)
Pteris sp. (table fern)
 punk tree (*Melaleuca leucadendra* L.)
Pycnodoria vittata (L.) Small (fern)
Rhapis excelsa (Thunb.) Henry (lady-palm)
Rohdea japonica R. & K.
 rose-of-sharon (*Hibiscus syriacus* L.)
Saintpaulia ionantha Wendl. (African violet)
Sedum sp. (stone crop or orpine)
 seminole bread (*Zamia integrifolia* Ait.)
Smilax rotundifolia L. (greenbrier)

snakebeard (*Ophiopogon jaburan* Lodd.)
Spathiphyllum sp.
 spiceberry (*Ardisia* sp.)
 stone crop (*Sedum* sp.)
Tectaria heracleifolia (Willd.) Underw. (halberd fern)
Thelypteris normalis (C. Chr.) Moxley (wood fern)
Thysanella robusta Small (see *Polygonella fimbriata* (Ell.) Horton)
Viola sp. (violet)
 violet (*Viola* sp.)
 violet, African (*Saintpaulia ionantha* Wendl.)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (comptie; coontie; seminole bread)

PINNASPIS BUXI (BOUCHÉ) — screwpine scale

Pandanus sp. (screwpine)
 screwpine (*Pandanus* sp.)
Spathiphyllum sp.
Syngonium sp.
Vriesea 'Poelmannii'

PINNASPIS CARICIS FERRIS — liriope scale

grass, border- (*Liriope muscari* Bailey)
 grass, mondo (*Ophiopogon japonicus* Ker)
 lilyturf (*Liriope muscari* Bailey)
Liriope muscari Bailey (lilyturf)
Ophiopogon japonicus Ker (mondo grass)

PINNASPIS STRACHANI (COOLEY) — lesser snow scale

Abelia sp.
Abutilon sp. (flowering maple)
Acacia sp. (popinac)
Acer sp. (maple)
Achras sapota L. (sapodilla)
Actinidia sp.
Adenostoma sp. (chamiso)
Adiantum sp. (maidenhair fern)
Aegle marmelos (L.) Correa (baelfruit)
Aeglopsis chevalieri Swingle (dwarf powder flask fruit)
Agave americana L. (century-plant)
Aleurites fordii Hemsl. (tung oil tree)
A. moluccana Willd. (candlenut tree)
Alocasia sp. (elephant's ear)
Althaea sp. (hollyhock)
Annona squamosa L. (sugar apple)
Antigonon sp. (mountain rose)
A. leptopus Hook. & Arn. (pink vine; coral-vine)
 apple, balsam (*Momordica balsamina* L.)
 apple, kei- (*Dovyalis caffra* Warb.)
 apple, sugar (*Annona squamosa* L.)
Ardisia sp. (spiceberry)
Arecastrum romanzoffianum Becc. (queen palm)
 ash, prickley (*Zanthoxylum* sp.)

- Asimina* sp. (pawpaw)
 asparagus, sprenger (*Asparagus sprengeri* Regel)
Asparagus sprengeri Regel (sprenger asparagus)
Assonia sp. (see *Dombeya* sp.)
 avocado (*Persea americana* Mill.)
Baccharis halimifolia L. (groundsel bush; salt-bush)
 bachelors button (*Centaurea cyanus* L.)
 baelfruit (*Aegle marmelos* (L.) Correa)
Batis maritima L. (pickleweed; saltwart)
Bauhinia sp. (jupiter tree; mountain ebony; Florida orchid-tree)
B. purpurea L. (mountain ebony; Florida orchid-tree)
B. blakeana Dunn. (Hongkong orchid tree)
B. variegata L. (mountain ebony; Florida orchid-tree)
 bay
 bean, castor (*Ricinus communis* L.)
 beggarweed (*Desmodium tortuosum* DC.)
Bidens mitis (Michx.) Sherff (bur marigold)
 bignonia (*Pyrostegia* sp.)
 bird-of-paradise (*Strelitzia reginae* Banks)
 blue-latan (*Latania loddigesii* Mart.)
 boxorange (*Severinia buxifolia* (Poir.) Ten.)
 boxwood (*Buxus* sp.)
Brachychiton acerifolium F. Muell. (flame bottle tree; flame tree)
Bryophyllum sp. (see *Kalanchoe* sp.)
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
B. yatay (Mart.) Becc. (butia palm)
Buxus sp. (boxwood)
 cacti
Caesalpinia sp. (dwarf poinciana)
C. coriaria Willd. (divi-divi)
C. pulcherrima (L.) Swartz (dwarf poinciana)
 Caesar's weed (*Urena lobata* L.)
 cajan (*Cajanus cajan* Millsp.)
Cajanus cajan Millsp. (pigeon-pea; cajan)
Caladium sp.
Calathea zebrina Lindl. (zebra-plant)
Calotropis gigantea (Willd.) R. Br. (milkweed)
 camphor tree (*Cinnamomum camphora* (L.) Nees & Eberm.)
 candlenut tree (*Aleurites moluccana* Willd.)
Cannabis sp. (hemp; marijuana)
Capsicum frutescens L. (pepper; red pepper)
Carissa sp. (hedgethorn; karanda)
 carob (*Ceratonia siliqua* L.)
Casimiroa edulis Llave & Lex. (white sapote)
Cassia sp. (senna; shower tree)
 cassia bark tree (*Cinnamomum cassia* N. & E.)
Cassia fasciculata Michx. (partridge pea)
Celtis sp. (hackberry)
Centaurea cyanus L. (bachelors button; corn flower)
 century plant (*Agave americana* L.)
Ceratonia siliqua L. (carob; algaroba; karoub; caroubier; St. Johns-bread)
Cercis sp. (redbud)
Cestrum diurnum L. (day jessamine)
 chalcas vine (*Murraya paniculata* (L.) Jack)
Chamaedorea elegans Mart. (palm)
C. erumpens H. E. Moore (palm)
Chamaesyce sp. (see *Euphorbia* sp.)
 chamiso (*Adenostoma* sp.)
Chenopodium botrys L. (Jerusalem oak)
Chimonanthus sp. (Greek winter flower)
 chinaberry (*Melia azedarach* L.)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
 cigarette plant (*Cuphea* sp.)
 cigar flower (*Cuphea* sp.)
Cinnamomum sp. (cinnamon)
C. camphora (L.) Nees & Eberm. (camphor tree)
C. cassia Nees & Eberm. (cassia bark tree)
Cissus sp. (marine ivy)
C. quadrangularis L. (winged treebine)
Citrus aurantifolia (Swingle) Christm. (lime)
C. grandis Osbeck (shaddock)
C. sinensis Osbeck (sweet orange)
Clitoria sp. (butterfly pea)
 clock-vine (*Thunbergia grandiflora* Roxb.)
Cocculus laurifolius DC. (Chinese moonseed)
Cochlospermum sp. (shellseed)
 cockspur (*Erythrina carnea* Ait.; *E. cristagalli* L.)
Cocos nucifera L. (coconut palm)
Codiaeum sp. (croton)
 coffee, wild (*Colubrina arborescens* (Mill.) Sarg.; *Psychotria sulzneri* Small; *Psychotria undata* Jacq.)
Colocasia sp. (elephant's ear)
Colubrina arborescens (Mill.) Sarg. (wild coffee)
 comptie (*Zamia integrifolia* Ait.)
 coontie "fern" (*Zamia integrifolia* Ait.)
 coralberry (*Symphoricarpos* sp.)
 coral-tree (*Erythrina herbacea* L.)
 coral-vine (*Antigonon leptopus* Hook. & Arn.)
Cordia obliqua Willd. (cordia)
 cork tree (*Phellodendron* sp.)
 corn flower (*Centaurea cyanus* L.)
 cotton, upland or wild (*Gossypium hirsutum* L.)
 cottonweed (*Urena lobata* L.)
Crassula sp.
Crotalaria mucronata Desv. (rattle-box)
 croton (*Codiaeum* sp.)
Cuphea sp. (cigar flower; cigarette plant)
C. hyssopifolia HBK. (elfin herb)
Cycas circinalis L. (Queen sago)
C. revoluta Thunb. (sago palm)
Cymbopetalum sp.
Cytisus scoparius (L.) Link (scotch broom)
Delonix regia Raf. (royal poinciana)
Desmodium tortuosum DC. (beggarweed)
Dictyosperma sp. (palm)
Diospyros sp. (persimmon)
 divi-divi (*Caesalpinia coriaria* Willd.)
Dombeya sp. (dombeya)
Dovyalis caffra Warb. (kei-apple)

- Dracaena* sp. (dracaena)
 dwarf powder flask fruit (*Aeglopsis chevalieri* Swingle)
Echeveria sp. (echeveria)
Ehretia laevis Roxb. (smooth ehretia)
Elaeagnus sp. (elaeanthus)
 elder, yellow (*Stenolobium* sp.)
 elephant's ear (*Alocasia* sp.; *Colocasia* sp.)
 elfin herb (*Cuphea hyssopifolia* HBK.)
 elm, Chinese (*Ulmus parvifolia* Jacq.)
Erythrina carnea Ait. (cockspur)
E. cristagalli L. (cockspur)
E. herbacea L. (coral-tree)
E. indica Lam.
Eucalyptus sp.
Eucharis sp. (lily)
Euphorbia sp.
E. pulcherrima Willd. (poinsettia)
E. heterophylla L. (hypocrite plant; wild poinsettia)
 fern, maidenhair (*Adiantum* sp.)
 fern, staghorn (*Platycerium bifurcatum* C. Chr.)
Ficus carica L. (common fig)
F. elastica Roxb. (rubber-plant)
F. retusa L. (Indian-laurel)
 fig, common (*Ficus carica* L.)
 flame bottle tree (*Brachychiton acerifolium* F. Muell.)
 frangipani (*Plumeria rubra* L.)
 gallberry (*Ilex glabra* Gray)
 geranium (*Pelargonium* sp.)
Ginkgo sp. (maidenhair tree)
Gossypium hirsutum L. (wild cotton or upland cotton)
 grape (*Vitis* sp.)
 Greek winter flower (*Chimonanthus* sp.)
Grevillea robusta Cunn. (Australian silkoak)
Grewia populifolia Vahl.
 groundsel bush (*Baccharis halimifolia* L.)
 hackberry (*Celtis* sp.)
Hamelia patens Jacq. (scarlet bush)
 hedgethorn (*Carissa* sp.)
Helianthus sp. (sun flower)
Hemerocallis sp. (daylily)
 hemlock (*Tsuga* sp.)
 hemp (*Cannabis* sp.)
Hibiscus rosa-sinensis L.
H. rosa-sinensis L. x *H. schizopetalus* Hook. f.
H. syriacus L. (rose-of-sharon)
 hollyhock (*Althaea* sp.)
 honeysuckle (*Lonicera* sp.)
 hypocrite plant (*Euphorbia heterophylla* L.)
 ice-plant (*Mesembryanthemum crystallinum* L.)
Ilex glabra Gray (inkberry; gallberry)
 inkberry (*Ilex glabra* Gray)
Ipomoea sp. (morning glory)
I. batatas L. (sweet potato)
Iris sp.
 ivy, marine (*Cissus* sp.)
Jacaranda sp.
 jasmine (*Jasminum* sp.)
Jasminum sp. (jasmine)
 Jerusalem thorn (*Parkinsonia aculeata* L.)
 jessamine, day (*Cestrum diurnum* L.)
 jessamine, orange (*Murraya paniculata* (L.) Jack)
 jujube, Indian (*Zizyphus mauritiana* Lam.)
 jupiter tree (*Bauhinia* sp.)
Jussiaea peruviana L. (water primrose)
Kalanchoe sp. (kalanchoe)
 karanda (*Carissa* sp.)
Koelreuteria paniculata Laxm. (golden rain-tree)
Lantana sp. (lantana)
Latania loddigesii Mart. (blue latan)
 laurel-Indian (*Ficus retusa* L.)
Leucophyllum frutescens Johnston (Texas sage, Texas silverleaf)
Ligustrum lucidum ait. (ligustrum)
 lilac (*Syringa* sp.)
 lily (*Eucharis* sp.)
 lily, day (*Hemerocallis* sp.)
 lilyturf (*Liriope spicata* Lour.; *Mondo* sp.)
 lime (*Citrus aurantifolia* Swingle)
 limeberry (*Triphasia trifolia* P. Wils.)
 lime, Spanish (*Melicocca bijuga* L.)
Lindera benzoin Blume (spice-bush)
Liriope spicata Lour. (lily-turf)
Litchi chinensis Sonner (lychee)
Livistona chinensis (Jacq.) R. Br. (Chinese fan palm)
Lonicera sp. (honeysuckle; woodbine)
 lychee (*Litchi chinensis* Sonner)
Lycopersicon esculentum Mill. (tomato)
Macrozamia sp.
Magnolia sp.
 mahogany, West Indies (*Swietenia mahogani* Jacq.)
 maidenhair tree (*Ginkgo* sp.)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 maple (*Acer* sp.)
 maple, flowering (*Abutilon* sp.)
 marigold, but (*Bidens mitis* (Michx.) Sherff)
 marijuana (*Cannabis* sp.)
Melia azedarach L. (chinaberry; umbrella tree)
Melicocca bijuga L. (Spanish lime)
Mesembryanthemum crystallinum L. (ice-plant)
 milkweed (*Calotropis gigantea* (Willd.) R. Br.)
Momordica balsamina L. (balsam apple)
Mondo sp. (lilyturf)
 moonseed, Chinese (*Cocculus laurifolius* DC.)
 morning glory (*Ipomoea* sp.)
 mountain ebony (*Bauhinia purpurea* L.; *B. variegata* L.)
Murraya paniculata (L.) Jack (orange jessamine; chalcas vine)
Nerium oleander L. (oleander)
Nyssa sylvatica Marsh. (swamp tupelo; black tupelo)

- oak, (*Quercus* sp.)
oak, Jerusalem (*Chenopodium botrys* L.)
oak, Australian silk (*Grevillea robusta* Cunn.)
oleander (*Nerium oleander* L.)
Ophipogon sp. (mondo grass)
*Orana paniculata**
orange, sweet (*Citrus sinensis* Osbeck)
orchids
orchid-tree, Florida (*Bauhinia purpurea* L.; *B. variegata* L.; *Bauhinia* sp.)
orchid-tree, Hongkong (*Bauhinia blakeana* Dunn.)
palms:
butia (*Butia yatay* (Mart.) Becc.)
butterfly- (*Chrysalidocarpus lutescens* Wendl.)
cabbage (*Sabal palmetto* (Walt.) Lodd.)
Canary Island date (*Phoenix canariensis* Chaub.)
cane, golden (*Chrysalidocarpus lutescens* Wendl.)
Chamaedorea elegans Mart.
C. erumpens H. E. Moore
Chinese fan (*Livistona chinensis* (Jacq.) R. Br.)
coconut (*Cocos nucifera* L.)
Dictyosperma sp.
dwarf date (*Phoenix roebelenii* O'Brien)
jelly (*Butia capitata* (Mart.) Becc.)
lady (*Rhapis excelsa* (Thunb.) Henry)
pigmy date (*Phoenix roebelenii* O'Brien)
pindo (*Butia capitata* (Mart.) Becc.)
queen (*Arecastrum romanoffianum* Becc.)
royal (*Roystonea* sp.)
sago (*Cycas revoluta* Thunb.)
sago, queen (*Cycas circinalis* L.)
Washingtonia sp.
Pandanus sp. (screwpine)
paper plant, Chinese rice (*Tetrapanax papyriferus* Koch)
Parkinsonia aculeata L. (Jerusalem thorn)
Passiflora sp. (passion vine)
passion vine (*Passiflora* sp.)
pawpaw; papaw (*Asimina* sp.)
pea, blue (see *Clitoria* sp.)
pea, butterfly (*Clitoria* sp.)
pea, partridge (*Cassia fasciculata* Michx.)
pea, pigeon- (*Cajanus cajan* Millsp.)
pea, wild vine (*Clitoria* sp.)
peach (*Prunus* sp.)
Pelargonium sp. (geranium)
pepper (*Capsicum frutescens* L.)
pepper, red (*Capsicum frutescens* L.)
pepper-tree, Brazilian (*Schinus terebinthifolius* Raddi)
persimmon (*Diospyros* sp.)
Persea americana Mill. (avocado)
Phellodendron sp. (cork tree)
Philodendron 'Florida' (*P. laciniatum* Schott x *P. squamiferum* Poepp.)
P. laciniatum Schott (*philodendron*)
Phoenix canariensis Chaub. (Canary Island date palm)
P. roebelenii O'Brien (pigmy date palm; dwarf date palm)
pink vine (*Antigonon leptopus* Hook. & Arn.)
pittosporum, Japanese (*Pittosporum tobira* Ait. 'Variegatum')
Pittosporum tobira Ait. 'Variegatum' (Japanese pittosporum)
Platyserium bifurcatum C. Chr. (staghorn fern)
Plumeria rubra L. (frangipani)
Poinciana sp.
poinciana, dwarf (*Caesalpinia pulcherrima* (L.) Swartz)
poinciana, royal (*Delonix regia* Raf.)
poinsettia (*Euphorbia pulcherrima* Willd.)
poinsettia, wild (*Euphorbia heterophylla* L.)
Polygonella fimbriata (Ell.) Horton
popinac (*Acacia* sp.)
portia-tree (*Thespesia* sp.)
potato, sweet (*Ipomoea batatas* L.)
Prunus sp. (peach)
Psychotria sulzneri Small (wild coffee)
P. undata Jacq. (wild coffee)
Pyrostegia sp. (bignonia)
Quercus sp. (oak)
rain-tree, golden (*Koelreuteria paniculata* Laxm.)
rattle-box (*Crotalaria mucronata* Desv.)
redbud (*Cercis* sp.)
Rhapis excelsa (Thunb.) Henry (lady palm)
Rhus leucantha Jacq. (sumac)
Ricinus communis L. (castorbean)
Robinsonella cordata Rose & Baker
roble blanco (*Tabebuia pentaphylla* Hemsl.)
Rohdea japonica R. & K.
Rosa sp. (rose)
rose (*Rosa* sp.)
rose, mountain (*Antigonon* sp.)
rose-of-sharon (*Hibiscus syriacus* L.)
Roystonea sp. (royal palm)
rubber-plant (*Ficus elastica* Roxb.)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
sage, Texas (*Leucophyllum frutescens* Johnston)
salbush (*Baccharis halimifolia* Ten.)
saltwort (*Batis maritima* L.)
Sansevieria trifasciata Prain 'Hahnii'
S. trifasciata Prain 'Laurentii' (snake plant)
sapodilla (*Achras sapota* L.)
sapote, white (*Casimiroa edulis* Llave & Lex.)
seaside mahoe (*Thespesia populnea* Soland.)
Sedum sp. (stonecrop)
seminole bread (*Zamia integrifolia* Ait.)
senna (*Cassia* sp.)
Sesbania sp.
Severinia buxifolia (Poir.) Ten. (boxorange)
scarlet bush (*Hamelia patens* Jacq.)
Schinus terebinthifolius Raddi (Brazilian pepper-tree)
scotch broom (*Cytisus scoparius* (L.) Link)

*Authority for genus and species could not be found.

screw pine (*Pandanus* sp.)
 shaddock (*Citrus grandis* Osbeck)
 shellseed (*Cochlospermum* sp.)
 shower tree (*Cassia* sp.)
 snake plant (*Sansevieria trifasciata* Prain 'Laurentii')
 snowberry (*Symphoricarpos* sp.)
Solanum sp.
 Spanish bayonet (*Yucca aloifolia* L.)
 Spanish dagger (*Yucca gloriosa* L.)
 spiceberry (*Ardisia* sp.)
 spice-bush (*Lindera benzoin* Blume)
 St. Johns-bread (*Ceratonia siliqua* L.)
Stenolobium sp. (yellow elder)
 stonecrop (*Sedum* sp.)
Strelitzia reginae Banks (bird-of-paradise)
 sumac (*Rhus leucantha* Jacq.)
 sun flower (*Helianthus* sp.)
Swietenia mahogani Jacq. (West Indies mahogany)
Symphoricarpos sp. (coralberry; snowberry)
Syringa sp. (lilac)
Tabebuia pentaphylla Hemsl. (roble blanco)
Tecoma ochracea Cham. (trumpet bush)
Tetrapanax papyriferus Koch (Chinese rice paper plant)
 Texas silverleaf (*Leucophyllum frutescens* Johnston)
Thespesia sp. (portia-tree)
T. populnea Soland. (seaside mahoe)
Thunbergia grandiflora Roxb. (clock-vine)
 tomato (*Lycopersicon esculentum* Mill.)
 toothache tree (*Zanthoxylum clava-herculis* L.)
 treebine, winged (*Cissus quadrangularis* L.)
 trumpet bush (*Tecoma ochracea* Cham.)
 trema, Florida (*Trema micrantha* (L.) Blume)
Trema micrantha (L.) Blume (Florida trema)
T. mollis (see *Trema micrantha* (L.) Blume)
Triphasia trifolia Burm. (limeberry)
Tsuga sp. (hemlock)
 tung oil tree (*Aleurites fordii* Hemsl.)
 tupelo, black (*Nyssa sylvatica* Marsh.)
Ulmus parvifolia Jacq. (Chinese elm)
 umbrella tree (*Melia azedarach* L.)
Urena lobata L. (cottonweed; Caesar's weed)
Verbena sp.
Viola sp. (violet)
 violet (*Viola* sp.)
Vitis sp. (grape)
Washingtonia sp. (palm)
 water primrose (*Jussiaea peruviana* L.)
 weed, pickle (*Batis maritima* L.)
 white sapote (*Casimiroa edulis* Llave & Lex.)
Wisteria sp. (wisteria)
 woodbine (*Lonicera* sp.)
Yucca aloifolia L. (Spanish bayonet)
Y. gloriosa L. (Spanish dagger)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (coontie; comptie; seminole bread)

Zanthoxylum sp. (prickley ash)
Z. clava-herculis L. (toothache tree)
 zebra-plant (*Calathea zebrina* Lindl.)
Zizyphus mauritiana Lam. (Indian jujube)

PRAECOCASPIS DIVERSA FERRIS — diverse scale

Colubrina cubensis Jacq. (Cuba colubrina)
Lantana involucrata L. (lantana)
Trema micrantha (L.) Blume (Florida trema)

PSEUDAONIDIA DUPLEX (COCKERELL) — camphor scale

Acer sp. (maple)
Aleurites fordii Hemsl. (tung-oil tree)
 apple, dog (*Asimina* sp.)
 arrowroot (*Maranta arundinacea* L.)
 ash, wafer (*Ptelea trifoliata* L.)
Asimina sp. (dog apple; pawpaw)
 avocado (*Persea americana* Mill.)
 azalea (*Rhododendron* sp.)
 blueberry (*Vaccinium* sp.)
Calluna sp. (heather)
Camellia japonica L.
C. sasanqua Thunb.
C. sinensis (L.) Kuntze (tea)
 camphor tree (*Cinnamomum camphora* Nees & Eberm.)
Casuarina sp. (Australian pine)
Celtis laevigata Willd. (sugarberry)
Cercis canadensis L. (Judas tree; redbud)
 cherry laurel (*Prunus caroliniana* Ait.)
Cinnamomum camphora (L.) Nees & Eberm. (camphor tree)
Citrus aurantium L. (sour orange)
C. paradisi Macf. (grapefruit)
C. reticulata Blanco (tangerine), 'Unshiu' (satsuma)
C. sinensis Osbeck (sweet orange)
Cleyera japonica (L.) Thunb.
Cocculus sp. (snail-seed)
Cotoneaster sp.
Diospyros virginiana L. (persimmon)
Elaeagnus sp.
 elm, American (*Ulmus americana* L.)
 elm, Chinese (*Ulmus parvifolia* Jacq.)
Eriobotrya japonica Thunb. (loquat)
Ficus carica L. (common fig)
 fig, common (*Ficus carica* L.)
 firethorn (*Pyracantha coccinea* Roem.)
 grape (*Vitis* sp.)
 grapefruit (*Citrus paradisi* Macf.)
Grevillea sp. (Australian silkoak)
 guava (*Psidium* sp.)
 heather (*Calluna* sp.)
Hedera sp. (ivy)

- Hibiscus mutabilis* L. (Confederate rose)
 holly, Dahoon (*Ilex cassine* L.)
 holly, yaupon (*Ilex vomitoria* Ait.)
Ilex cassine L. (Dahoon holly)
I. vomitoria Ait. (yaupon holly)
 jasmine, pinwheel (*Jasminum gracillimum* Hook. f.)
 jasmine, Confederate (*Trachelospermum jasminoides* Lem.)
Jasminum gracillimum Hook. f. (pinwheel jasmine)
 Jerusalem thorn (*Parkinsonia aculeata* L.)
 Judas tree (*Cercis canadensis* L.)
Koelreuteria paniculata Laxm. (golden rain-tree)
 Kudzu vine (*Pueraria thunbergiana* Benth.)
Lagerstroemia indica L. (crapemyrtle)
 laurel, cherry (*Prunus caroliniana* Ait.)
Ligustrum japonicum Thunb. (wax-leaf privet)
L. lucidum Ait. (glossy privet)
Liquidambar formosana Hance (Formosan sweetgum)
L. styraciflua L. (sweetgum)
Lonicera sp.
 loquat (*Eriobotrya japonica* Thunb.)
Magnolia obovata Thunb. (white-leaf Japanese magnolia)
M. soulangeana Soul. (magnolia)
M. stellata (Sieb. & Zucc.) Maxim. (star magnolia)
Mahonia sp. (mahonia)
 maple (*Acer* sp.)
Maranta arundinacea L. (arrowroot)
 mistletoe (*Phoradendron flavescens* Nutt.)
Myrica rubra Sieb. & Zucc.
 myrtle, crape (*Lagerstroemia indica* L.)
Nerium sp. (oleander)
Nyssa ogeche Bartr. (ogeechee tupelo)
 oak, Australian silk (*Grevillea* sp.)
 oak, laurel (*Quercus laurifolia* Michx.)
 oak, pin (*Quercus palustris* Muenchh.)
 oak, poison (*Rhus toxicodendron* L.)
 oleander (*Nerium* sp.)
 olive (*Osmanthus* sp.)
 orange, sweet (*Citrus sinensis* Osbeck)
Osmanthus sp. (olive)
 paper plant, Chinese rice (*Tetrapanax papyriferus* Koch)
Parkinsonia aculeata L. (Jerusalem thorn)
Passiflora sp. (passion flower)
 passion flower (*Passiflora* sp.)
 pawpaw (*Asimina* sp.)
 peach (*Prunus persica* Batsch)
 pear (*Pyrus* sp.)
 pepper tree, Brazilian (*Schinus terebinthifolius* Raddi)
Persea americana Mill. (avocado)
Phoradendron flavescens Nutt. (mistletoe)
 photinia (*Photinia serrulata* Lindl.)
 photinia, Japanese (*Photinia glabra* (Thunb.) Maxim.)
Photinia glabra (Thunb.) Maxim. (Japanese photinia)
P. serrulata Lindl. (photinia)
 pine, Australian (*Casuarina* sp.)
 privet, glossy (*Ligustrum lucidum* Ait.)
 privet, wax-leaf (*Ligustrum japonicum* Thunb.)
Prunus caroliniana (Mill.) Ait. (cherry laurel)
P. persica Batsch (peach)
Psidium sp. (guava)
Ptelea trifoliata L. (wafer ash)
Pueraria thunbergiana Benth. (kudzu vine)
Pyracantha coccinea Roem. (firethorn)
Pyrus sp. (pear)
Quercus laurifolia Michx. (laurel oak)
Q. palustris Muenchh. (pin oak)
 rain-tree, golden (*Koelreuteria paniculata* Laxm.)
 redbud (*Cercis canadensis* L.)
Rhododendron sp. (azalea)
Rhus sp. (sumac)
R. toxicodendron L. (poison oak)
 rose, Confederate (*Hibiscus mutabilis* L.)
Salix discolor Muhl. (pussy willow)
S. nigra Marsh. (black willow)
 satsuma (*Citrus reticulata* Blanco 'Unshiu')
Schinus terebinthifolius Raddi (Brazilian pepper tree)
 snail-seed (*Cocculus* sp.)
 sugarberry (*Celtis laevigata* Willd.)
 sumac (*Rhus* sp.)
 sweetgum (*Liquidambar styraciflua* L.)
 sweetgum, Formosan (*Liquidambar formosana* Hance)
 tangerine (*Citrus reticulata* Blanco)
 tea, common (*Camellia sinensis* (L.) Kuntze)
Tetrapanax papyriferus Koch (Chinese rice paper plant)
Trachelospermum jasminoides Lem. (Confederate jasmine)
 tung-oil tree (*Aleurites fordii* Hemsl.)
 tupelo, ogeechee (*Nyssa ogeche* Bartr.)
Ulmus americana L. (American elm)
U. chinensis (see *Ulmus parvifolia* Jacq.)
U. parvifolia Jacq. (Chinese elm)
Vaccinium sp. (blueberry)
Viburnum suspensum Lindl.
Vitis sp. (grape)
 willow, black (*Salix nigra* Marsh.)
 willow, pussy (*Salix discolor* Muhl.)
 Wisteria sp. (wisteria)
- PSEUDAONIDIA PAEONIAE (COCKERELL) — peony scale**
 azalea (*Rhododendron indicum* L.)
Camellia japonica L. (camellia)
C. sasanqua Thunb. (camellia)
 holly (*Ilex* sp.)
Ilex sp. (holly)
Rhododendron indicum (L.) Sweet (azalea)

PSEUDAULACASPIS COCKERELLI (COOLEY)
— false oleander scale

Acoelorrhaphe wrightii (Griseb. & Wendl.) Wendl. & Becc. (silver saw palmetto)
Acorus gramineus Soland. (Japanese sweetflag)
Acrocomia sp. (gru-gru palm)
Adansonia digitata L. (baobab tree)
Agapanthus africanus Hoffmgg. (African lily)
Agave americana L. (century-plant)
Aleurites moluccana Willd. (candle-nut tree)
Aralia sp.
Archontophoenix alexandrae (F. Muell.) Wendl. Drude (king palm)
Areca sp. (palm)
Arecastrum romanzoffianum Becc. (queen palm)
Artabotrys odoratissimus R. Br. (climbing ylang-ylang)
Asimina triloba (L.) Dunal (pawpaw or dog apple)
Asparagus plumosus Baker (asparagus fern)
A. sprengeri Regel (sprengeri-fern)
Aucuba japonica Thunb. (golddust plant)
 azalea (*Rhododendron* sp.)
 banana shrub (*Michelia fuscata* Blume)
 baobab tree (*Adansonia digitata* L.)
 bay, bull (*Magnolia grandiflora* L.)
 bay, sweet (*Magnolia virginiana* L.)
 bird-of-paradise (*Strelitzia nicolai* R. & K.; *S. reginae* Banks)
Bischofia sp. (bishopwood)
B. javanica Bl.
 bottlebrush (*Callistemon* sp.)
 boxwood, English (*Buxus sempervirens* L.; *Schaefferia frutescens* Jacq.)
 Brazil beauty leaf (*Calophyllum antillanum* Britt.)
Bumelia lanuginosa (Michx.) Pers. (gum-bumelia or chittam wood)
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
Buxus microphylla Sieb. & Zucc. 'Koreana'
B. sempervirens L. (English boxwood)
Callistemon sp. (bottlebrush)
Calophyllum antillanum Britt. (Brazil beauty leaf)
C. inophyllum L. (kamani; Alexandrian-laurel)
Calycanthus sp. (sweet-shrub)
Camellia sp.
 candle-nut tree (*Aleurites moluccana* Willd.)
Carya illinoensis Koch (pecan)
Catalpa bignonioides Walt. (catalpa)
 cedar, stinking (*Torreya* sp.)
 century plant (*Agave americana* L.)
Chamaerops humilis L. (European fan palm)
 chittam wood (*Bumelia lanuginosa* (Michx.) Pers.)
Chrysalidocarpus lutescens Wendl. (Areca palm; cane palm)
Cocos nucifera L. (coconut palm)
 comptie (*Zamia integrifolia* Ait.)

Cordyline australis (Forst. f.) Hook. f. crown-of-thorns (*Euphorbia milii* Ch. des Moulins)
 cycad (*Cycas circinalis* L.)
Cycas circinalis L. (cycad; Queen sago palm)
C. revoluta Thunb. (sago-palm)
Dianella tasmanica Hook. f. (Tasmanian dianella)
Diospyros sp. (persimmon)
 dog apple (*Asimina triloba* (L.) Dunal)
Dracaena draco L. (dragon tree)
 dragon tree (*Dracaena draco* L.)
Elaeagnus pungens Thunb. (silver thorn)
Euphorbia milii Ch. des Moulins (crown-of-thorns)
E. pulcherrima Willd. (poinsettia)
Eurya japonica Thunb.
 fern, asparagus (*Asparagus plumosus* Baker)
 "fern," coontie (*Zamia integrifolia* Ait.)
 fern, sprengeri (*Asparagus sprengeri* Regel)
 flag (*Iris* sp.)
 flag, Japanese sweet (*Acorus gramineus* Soland.)
 flax (*Linum* sp.)
 flax, "California" (*Phormium tenax* Forst.)
Garcinia sp.
Gardenia jasminoides Ellis (cape jasmine)
 glory-bush (*Tibouchina* sp.)
 golddust plant (*Aucuba japonica* Thunb.)
 grass, mondo (*Ophiopogon japonicus* Ker)
 gum-bumelia (*Bumelia lanuginosa* (Michx.) Pers.)
Hedera canariensis Willd. (Algerian ivy)
H. helix L. (English ivy)
 holly, lusterleaf (*Ilex latifolia* Thunb.)
Howea sp. (palm)
Ilex latifolia Thunb. (lusterleaf holly)
Ipomoea batatas Lam. (sweet potato)
Iris sp. (flag)
 iris, African (*Moraea* sp.)
 ivy, Algerian (*Hedera canariensis* Willd.)
 ivy, English (*Hedera helix* L.)
 jasmine, cape (*Gardenia jasminoides* Ellis)
 kamani (*Calophyllum inophyllum* L.)
Kopsia sp.
 laurel, Alexandrian (*Calophyllum inophyllum* L.)
Lilium sp. (lily)
 lily (*Lilium* sp.)
 lily, African (*Agapanthus africanus* Hoffmgg.)
Linum sp. (flax)
Livistona chinensis (Jacq.) R. Br. (Chinese fountain palm)
Lonicera sp.
 luckynut (*Thevetia peruviana* Schum.)
Lycoris sp.
*Magnolia americana**
M. denudata Desrouss
M. grandiflora L. (bull bay; southern magnolia)
M. soulangeana Soul. (magnolia)
M. stellata (Sieb. & Zucc.) Maxim. (star magnolia)
M. virginiana L. (sweet bay)

*Authority for genus and species could not be found.

- Mandevilla* sp.
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 mahogany, West Indies (*Swietenia mahagoni* Jacq.)
 mangrove, red (*Rhizophora mangle* L.)
 Mexican sabal (*Sabal mexicana* Mart.)
Michelia fuscata (Andr.) Blume (banana shrub)
 mistletoe (*Phoradendron flavescens* Nutt.)
Moraea sp. (African iris)
Myrica cerifera L. (wax myrtle)
 myrtle, wax (*Myrica cerifera* L.)
Nerium oleander L. (oleander)
Nolina sp. (pony tail plant)
Ochrosia elliptica LaBill.
 oleander (*Nerium oleander* L.)
Ophiopogon japonicus Ker (mondo grass)
Osmanthus fragrans Lour. (sweet olive; tea olive)
Pachysandra sp.
 palmetto (*Sabal mexicana* Mart.)
 palmetto, silver saw (*Acoelorrhaphe wrightii* (Griseb. & Wendl.) Wendl. & Becc.)
 palms:
 Areca sp.
 areca (*Chrysalidocarpus lutescens* Wendl.)
 cane (*Chrysalidocarpus lutescens* Wendl.)
 Chinese fountain (*Livistona chinensis* (Jacq.) R. Br.)
 Chinese windmill (*Trachycarpus fortunei* Wendl.)
 coconut (*Cocos nucifera* L.)
 date, dwarf (*Phoenix roebelenii* O'Brien)
 date, senegal (*Phoenix reclinata* Jacq.)
 European fan (*Chamaerops humilis* L.)
 gru-gru (*Acrocomia* sp.)
 Howea sp.
 jelly (*Butia capitata* (Mart.) Becc.)
 Key thatch (*Thrinax parviflora* Sw.)
 king (*Archontophoenix alexandrae* (F. Muell.) Wendl. & Drude)
 needle (*Rhaphidophyllum hystrix* (Pursh.) Wendl. & Drude)
 pindo (*Butia capitata* (Mart.) Becc.)
 queen (*Arecastrum romanzoffianum* Becc.)
 sago- (*Cycas revoluta* Thunb.)
 sago, queen (*Cycas circinalis* L.)
 Serenoa repens (Bart.) Small
 Washington (*Washingtonia filifera* (Linden) Wendl.)
 Washington, Mexican (*Washingtonia robusta* Wendl.)
 pawpaw (*Asimina triloba* (L.) Dunal)
 pecan (*Carya illinoensis* Koch)
 pepper tree, Brazilian (*Schinus terebinthifolius* Raddi)
 Phoenix loureirii Kunth. (see *Phoenix roebelenii* O'Brien)
 P. reclinata Jacq. (senegal date palm)
 P. roebelenii O'Brien (dwarf date palm)
 Phoradendron flavescens Nutt. (mistletoe)
 Phormium tenax Forst. ("California" flax)
 Podocarpus nagi Makino (podocarpus)
 poinsettia (*Euphorbia pulcherrima* Willd.)
 Polyscias sp.
 potato, sweet (*Ipomoea batatas* Lam.)
 pony tail plant (*Nolina* sp.)
 Ravenala madagascariensis Sonn. (travelers-tree)
 Rhaphidophyllum hystrix (Pursh.) H. Wendl. & Drude (needle palm)
 Rhizophora mangle L. (red mangrove)
 Rhododendron sp. (azalea)
 Sabal mexicana Mart. (palmetto; Mexican sabal)
 Sapium sebiferum (L.) Roxb. (tallow tree)
 Schaefferia frutescens Jacq. (English boxwood)
 Schinus terebinthifolius Raddi (Brazilian pepper tree)
 Serenoa repens (Bart.) Small (palm)
 Strelitzia nicolai R. & K. (bird-of-paradise)
 S. reginae Banks (bird-of-paradise)
 silver thorn (*Elaeagnus pungens* Thunb.)
 sweet shrub (*Calycanthus* sp.)
 Swietenia mahagoni Jacq. (West Indies mahogany)
 tallow tree (*Sapium sebiferum* (L.) Roxb.)
 Thevetia peruviana Schum. (luckynut; trumpet flower)
 Thrinax parviflora Sw. (Key thatch palm)
 Tibouchina sp. (glory-bush)
 Torreya sp. (stinking cedar)
 Trachycarpus fortunei H. Wendl. (Chinese windmill palm)
 travelers-tree (*Ravenala madagascariensis* Sonn.)
 trumpet flower (*Thevetia peruviana* Schum.)
 Veitchia merrillii (Becc.) Moore
 wandering jew (*Zebrina* sp.)
 Washingtonia filifera (Linden) Wendl. (Washington palm)
 W. robusta Wendl. (Mexican Washington palm)
 ylang-ylang, climbing (*Artabotrys odoratissimus* R. Br.)
 Yucca sp.
 Zamia floridana DC. (see *Zamia integrifolia* Ait.)
 Z. integrifolia Ait. (coontie "fern"; comptie; semi-nole bread)
 Zebrina sp. (wandering jew)
- PSEUDAULACASPIS MAJOR (COCKERELL) — lychee bark scale**
Codiaeum sp. (croton)
 croton (*Codiaeum* sp.)
Dovyalis hebecarpa Warb. (Ceylon gooseberry)
Flacourtia indica Merr. (governor's plum)
 golden shower (*Koelreuteria formosana* Hyata)
 golden raintree (*Koelreuteria paniculata* Laxm.)
 gooseberry, Ceylon (*Dovyalis hebecarpa* Warb.)
Koelreuteria formosana Hyata (golden shower)
K. paniculata Laxm. (golden raintree)
Litchi chinensis Sonner (lychee)
 lychee (*Litchi chinensis* Sonner)

Oncoba spinosa Forsk. (spiny oncoba)
 oncoba, spiny (*Oncoba spinosa* Forsk.)
 plum, governor's (*Flacourtia indica* Merr.)
 raintree, golden (*Koelreuteria paniculata* Laxm.)
Randia formosa K. Schum.
Salix discolor Muhl. (pussy willow)
 willow, pussy (*Salix discolor* Muhl.)

**PSEUDAULACASPIS PENTAGONA (TARGI-
 ONI-TOZZETTI) — white peach scale**

Abelia sp.
Acacia sp. (popinac)
Acalypha wilkesiana Muell. Arg. (copperleaf)
Actinidia chinensis Planch. (kiwi)
Albizia julibrissin Durazz. (silk-tree)
A. lebeck Benth. (woman's tongue tree)
Aleurites fordii Hemsl. (tung oil tree; varnish tree)
A. moluccana Willd. (candlenut or candleberry tree)
Allamanda cathartica L. var. *hendersonii* Bull.
A. neriifolia Hook.
 allspice, Carolina (*Calycanthus floridus* L.)
 almond (*Prunus amygdalus* Batsch.)
Ardisia sp.
 ash, prickly (*Zanthoxylum* sp.)
 ash, white (*Fraxinus americana* L.)
Aucuba sp. (golddust tree)
Bauhinia sp. (jupiter tree; mountain ebony; Florida orchid-tree)
Begonia sp.
 bittersweet weed (*Solanum dulcamara* L.)
 blueberry (*Vaccinium* sp.)
 boxorange, Chinese (*Severinia buxifolia* (Poir.) Ten.)
 boxwood (*Buxus* sp.; *Schaefferia* sp.)
Brachychiton acerifolium F. Muell. (flame tree)
 bridalwreath (*Spiraea* sp.)
Broussonetia papyrifera L'Her. (mock or paper mulberry)
Buddleja sp. (butterfly bush)
 buttonbush (*Cephalanthus occidentalis* L.)
 butterfly bush (*Buddleja* sp.)
Buxus sp. (boxwood)
Callicarpa americana L. (French mulberry)
Calycanthus floridus L. (Carolina allspice)
Camellia japonica L. (camellia)
C. sinensis (L.) Kuntze (tea)
 candleberry tree (*Aleurites moluccana* Willd.)
 candlenut tree (*Aleurites moluccana* Willd.)
Carya illinoensis Koch (pecan)
Cassia sp. (shower tree; Bahama senna)
C. tora L. (coffee weed)
 castorbean (*Ricinus communis* L.)
Casuarina sp. (Australian pine)
Catalpa bignonioides Walt. (catalpa)
 cedar, red (*Juniperus virginiana* L.)
Celtis laevigata Willd. (hackberry)
Cephalanthus occidentalis L. (buttonbush)

Cercis canadensis L. (judas tree; redbud)
C. chinensis Bunge (redbud)
Chaenomeles sp. (flowering quince)
 chaste tree (*Vitex* sp.)
Chenopodium botrys L. (Jerusalem oak)
 cherry, Jamaica (*Muntingia calabura* L.)
 cherry, Jerusalem (*Solanum pseudo-capsicum* L.)
 cherrylaurel (*Prunus* sp.)
 chicory (*Cichorium* sp.)
 chinaberry (*Melia azedarach* L.)
Chionanthus virginicus L. (fringe tree)
Cichorium sp. (chicory)
 coffee weed (*Cassia tora* L.)
 coontie (*Zamia integrifolia* Ait.)
 copperleaf (*Acalypha wilkesiana* Muell. Arg.)
Cornus florida L. (flowering dogwood)
Cotinus sp. (smoke tree)
Cotoneaster sp.
Crotalaria sp.
Cucurbita pepo L. (pumpkin)
Cycas circinalis L. (cycad)
C. revoluta Thunb. (sago-palm)
Cytisus scoparius (L.) Link (scotch broom)
Deutzia scabra Thunb. (deutzia)
Diospyros kaki L. f. (Japanese persimmon)
D. virginiana L. (persimmon)
 dogwood, flowering (*Cornus florida* L.)
 ebony, mountain (*Bauhinia* sp.)
Ehretia acuminata R. Br.
Elaeagnus sp. (elaeanthus)
 elm, American (*Ulmus americana* L.)
 elm, Chinese (*Ulmus parvifolia* Jacq.)
 elm, dwarf Asiatic (*Ulmus pumila* L.)
 elm, Siberian (*Ulmus pumila* L.)
Escallonia rosea Griseb. (escallonia)
Eucalyptus sp.
Euonymus sp.
Euphorbia pulcherrima Willd. (poinsettia)
 fever-bark (*Pinckneya pubens* Michx.)
Ficus carica L. (common fig)
 fig, common (*Ficus carica* L.)
Firmiana platanifolia (L. f.) Schott & Endl.
 (Japanese varnish tree)
F. simplex W. F. Wight (Chinese umbrella)
Flacourtia indica Merr. (governor's plum)
 flame tree (*Brachychiton acerifolium* F. Muell.)
 flower-fence, barbados (*Poinciana pulcherrima* L.)
Forsythia sp. (golden-bells)
 frangipani (*Plumeria* sp.)
Fraxinus americana L. (white ash)
F. pennsylvanica Marsh. 'Lanceolata'
 fringe tree (*Chionanthus virginica* L.)
 geranium (*Geranium* sp.; *Pelargonium domesticum* Bailey)
 geranium fish (*Pelargonium hortorum* Bailey)
Geranium sp. (geranium)
 golden-bells (*Forsythia* sp.)
 golddust tree (*Aucuba* sp.)
 golden rain-tree (*Koelreuteria paniculata* Laxm.)

- grape (*Vitis* sp.)
 hackberry (*Celtis laevigata* Willd.)
Hibiscus sp.
H. mutabilis L.
H. tiliaceus L. (mahoe)
 holly, East Palatka (*Ilex opaca* Ait. 'East Palatka')
Hypericum sp. (St. Johnswort)
Ilex opaca Ait. 'East Palatka' (East Palatka holly)
Ipomoea arborescens Sweet
Ixora sp.
Jacaranda sp.
 Japanese pagoda-tree (*Sophora japonica* L.)
 judas tree (*Cercis canadensis* L.)
Juglans sp. (walnut)
Juglans nigra L. (black walnut)
Juniperus virginiana L. (red cedar)
 jupiter tree (*Bauhinia* sp.)
 kiwi (*Actinidia chinensis* Planch.)
Koelreuteria formosana Hyata (golden rain-tree)
K. paniculata Laxm. (golden rain-tree)
 kudzu vine (*Pueraria thunbergiana* Benth.)
 laurelcherry (*Prunus caroliniana* (Mill.) Ait.)
 laurel, English (see *Laurus* sp.)
 laurestinus (*Viburnum tinus* L.)
Laurus sp. (English laurel)
Leucophyllum frutescens Johnston (Texas sage)
Ligustrum lucidum Ait.
L. ovalifolium Hassk. (California privet)
L. quihoui Carr. (privet)
L. sinense Lour.
L. vulgare L. (common privet)
 lilac (*Syringa* sp.)
 linden (*Tilia* sp.)
Litchi chinensis Sonner (lychee)
 locust (*Robinia* sp.)
 lychee (*Litchi chinensis* Sonner)
Lycopersicon esculentum Mill. (cherry tomato)
Magnolia sp.
 mahoe (*Hibiscus tiliaceus* L.)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
Melia azedarach L. (chinaberry; Texas umbrella tree)
Mimosa pudica L. (sensitive plant)
 mistletoe (*Phoradendron flavescens* (Pursh) Nutt.)
Morus alba L. (white mulberry)
M. alba L. 'Tatarica' (Russian mulberry)
M. cathayana Hemsl.
M. rubra L. (mulberry)
 mulberry (*Morus rubra* L.)
 mulberry, French (*Callicarpa americana* L.)
 mulberry, mock (*Broussonetia papyrifera* L'Her.)
 mulberry, paper (*Broussonetia papyrifera* L'Her.)
 mulberry, Russian (*Morus alba* L. 'Tatarica')
 mulberry, white (*Morus alba* L.)
Muntingia calabura L. (Jamaica cherry)
Myrica cerifera L. (wax myrtle)
 myrtle, wax (*Myrica cerifera* L.)
Nerium oleander L. (oleander)
Nyssa sylvatica Marsh. (tupelo gum)
 oak, Jerusalem (*Chenopodium botrys* L.)
 oleander (*Nerium oleander* L.)
Olea europaea L. 'Mission' (mission olive)
 olive, mission (*Olea europaea* L. 'Mission')
 olive, sweet (*Osmanthus fragrans* Lour.)
 olive, tea (*Osmanthus fragrans* Lour.)
Oncoba spinosa Forsk. (oncoba)
 orange, mock (*Philadelphus* sp.)
 orchids
 orchid-tree, Florida (*Bauhinia* sp.)
Osmanthus fragrans Lour. (sweet or tea olive)
 palms:
 sago- (*Cycas revoluta* Thunb.)
 Pseudophoenix sargentii H. Wendl.
 peach (*Prunus persica* Batsch; *P. americana* Mars.)
 pear (*Pyrus* sp.)
 pecan (*Carya illinoensis* Koch)
Pelargonium domesticum Bailey (geranium)
P. hortorum Bailey (fish geranium)
 pepper (*Piper* sp.)
 pepper-tree, Brazilian (*Schinus terebinthifolius* Raddi)
 periwinkle (*Vinca minor* L.)
 persimmon (*Diospyros virginiana* L.)
 persimmon, Japanese (*Diospyros kaki* L. f.)
Philadelphus sp. (mock orange)
Phoradendron flavescens Nutt. (mistletoe)
Photinia serrulata Lindl. (photinia)
Phytolacca americana L. (pokeweed)
Pinckneya pubens Michx. (fever-bark)
 pine, Australian (*Casuarina* sp.)
Piper sp. (pepper)
 plum (*Prunus* sp.)
 plum, governor's (*Flacourtia indica* Merr.)
Plumeria sp. (frangipani)
 poinciana, dwarf (*Poinciana pulcherrima* L.)
Poinciana pulcherrima L. (dwarf poinciana)
 poinsettia (*Euphorbia pulcherrima* Willd.)
 pokeweed (*Phytolacca americana* L.)
 popinac (*Acacia* sp.)
 poplar (*Populus* sp.)
Populus sp. (poplar)
 privet (*Ligustrum quihoui* Carr.)
 privet, California (*Ligustrum ovalifolium* Hassk.)
 privet, common (*Ligustrum vulgare* L.)
Prunus sp. (cherry laurel; plum)
P. americana Marsh. (peach)
P. amygdalus Batsch. (almond)
P. caroliniana (Mill.) Ait. (laurelcherry)
P. persica Batsch (peach)
Pseudophoenix sargentii Wendl. (palm)
Pueraria thunbergiana Benth. (kudzu vine)
 pumpkin (*Cucurbita pepo* L.)
Pyracantha sp.
Pyrus sp. (pear)
 quince, flowering (*Chaenomeles* sp.)

- rain-tree, flame golden (*Koelreuteria formosana* Hyata)
 redbud (*Cercis canadensis* L.; *C. chinensis* Bunge)
Rhododendron sp.
Rhus sp. (sumac)
 rice-paper plant, Chinese (*Tetrapanax papyriferus* Koch)
Ricinus communis L. (castorbean)
Robinia sp. (locust)
 sage (*Salvia* sp.)
 sage, Texas (*Leucophyllum frutescens* Johnston)
Salix sp. (willow)
S. babylonica L. (weeping willow)
Salvia sp. (sage)
Sapium sebiferum (L.) Roxb. (Chinese tallow tree)
Schaefferia sp. (boxwood)
Schinus terebinthifolius Raddi (Brazilian pepper-tree)
 scholar-tree, Chinese (*Sophora japonica* L.)
 scotch broom (*Cytisus scoparius* (L.) Link)
Sedum sp. (stonecrop)
 senna, Bahama (*Cassia* sp.)
 sensitive plant (*Mimosa pudica* L.)
Severinia buxifolia (Poir.) Ten. (Chinese box-orange)
 shower tree (*Cassia* sp.)
 silk-tree (*Albizia julibrissin* Durazz.)
 smoke tree (*Cotinus* sp.)
Solanum dulcamara L. (bittersweet weed)
S. pseudo-capsicum L. (Jerusalem cherry)
Sophora japonica L. (Japanese pagoda-tree; Chinese scholar-tree)
Spiraea sp. (bridalwreath; spirea)
 spirea (*Spiraea* sp.)
 St. Johnswort (*Hypericum* sp.)
Sterculia foetida L.
 stonecrop (*Sedum* sp.)
 sumac (*Rhus* sp.)
Syringa sp. (lilac)
 tallow tree, Chinese (*Sapium sebiferum* (L.) Roxb.)
 tea (*Camellia sinensis* (L.) Kuntze)
Tetrapanax papyriferus Koch (Chinese rice-paper plant)
Tilia sp. (linden)
 tomato, cherry (*Lycopersicon esculentum* Mill.)
 toothache tree (*Zanthoxylum clava-herculis* L.)
 trema, Florida (*Trema micrantha* (L.) Blume)
Trema micrantha (L.) Blume (Florida trema)
 tung oil tree (*Aleurites fordii* Hemsl.)
 tupelo gum (*Nyssa sylvatica* Marsh.)
Ulmus americana L. (American elm)
U. parvifolia Jacq. (Chinese elm)
U. pumila L. (Siberian elm; dwarf Asiatic elm)
 umbrella tree, Chinese (*Firmiana simplex* W.F. Wight)
 umbrella tree, Texas (*Melia azedarach* L.)
Vaccinium sp. (blueberry)
 varnish tree (*Aleurites fordii* Hemsl.)
 varnish tree, Japanese (*Firmiana platanifolia* (L. f.) Schott & Endl.)
Viburnum tinus L. (laurestinus)
Vinca minor L. (periwinkle)
Vitex sp. (chaste tree)
Vitis sp. (grape)
 walnut (*Juglans* sp.)
 walnut, black (*Juglans nigra* L.)
 willow (*Salix* sp.)
 willow, weeping (*Salix babylonica* L.)
 woman's tongue tree (*Albizia lebeck* Benth.)
Yucca sp.
Zamia integrifolia Ait. (coontie)
Zanthoxylum sp. (prickly ash)
Z. clava-herculis L. (toothache tree)
- PSEUDISCHNASPIS BOWREYI (COCKERELL)**
 — Bowrey scale
- Acacia* sp. (popinac)
Agave sp. (century plant)
Annona cherimola Mill. (cherimoya)
A. reticulata L. (Jamaica apple)
A. squamosa L. (sugar apple)
 apple, Jamaica (*Annona reticulata* L.)
 apple, sugar (*Annona squamosa* L.)
 avocado (*Persea americana* Mill.)
 cactus (*Cereus* sp.)
Camellia sp.
 century plant (*Agave* sp.)
Cereus sp. (cactus)
 cherimoya (*Annona cherimola* Mill.)
Cestrum sp. (jessamine)
 chinaberry (*Melia azedarach* L.)
Coccoloba uvifera L. (seagrape)
Codiaeum sp. (croton)
 croton (*Codiaeum* sp.)
Epidendrum sp. (orchid)
Eugenia anthera Small (stopperberry)
 ferns
 frangipani (*Plumeria* sp.)
 genip (*Melicocca bijuga* L.)
 guava (*Psidium guajava* L.)
Jacaranda acutifolia Humb. & Bonpl. (jacaranda)
 jasmine (*Jasminum* sp.)
Jasminum sp. (jasmine)
 jessamine (*Cestrum* sp.)
Lagerstroemia lanceolata Wall.
 lime, Spanish (*Melicocca bijuga* L.)
Melia azedarach L. (chinaberry; umbrella tree)
Melicocca bijuga L. (genip; Spanish lime)
 orchid (*Epidendrum* sp.)
Persea americana Mill. (avocado)
Plumeria sp. (frangipani)
 popinac (*Acacia* sp.)
Psidium guajava L. (guava)
Rosa sp. (rose)
 seagrape (*Coccoloba uvifera* L.)

stopperberry (*Eugenia anthera* Small)
 umbrella tree (*Melia azedarach* L.)
Yucca sp.

PSEUDOPARLATORIA OSTREATA COCKERELL — gray scale

Acalypha wilkesiana Muell. Arg. (copperleaf plant)
Carica papaya L. (papaya)
Cestrum sp. (jessamine)
C. nocturnum L. (night blooming jasmine)
 copperleaf (*Acalypha wilkesiana* Muell. Arg.)
 jasmine, night blooming (*Cestrum nocturnum* L.)
 jessamine (*Cestrum* sp.)
 nightshade (*Solanum seaforthianum* Andr.)
 papaya (*Carica papaya* L.)
Pelargonium sp.
Pentas sp.
Pinus sp. (pine)
Solanum seaforthianum Andr. (nightshade)

PSEUDOPARLATORIA PARLATORIOIDES (COMSTOCK) — false parlatoria scale

Acalypha sp. (chenille plant)
Alternanthera bettzickiana Nichols. (alternanthera)
 avocado (*Persea americana* Mill.)
 bay, bull (*Magnolia grandiflora* L.)
 bay, red (*Persea borbonia* (L.) Spreng.)
 bay, swamp (*Persea palustris* (Raf.) Sarg.)
 bay, sweet (*Magnolia virginiana* L.)
 bignonia (*Pyrostegia* sp.)
 blackberry (*Rubus* sp.)
 blueberry (*Vaccinium* sp.)
Butia capitata (Mart.) Becc. (jelly palm; pindo palm)
Calliandra haematocephala Hassk. (powderpuff tree)
Camellia japonica L.
 camphor tree (*Cinnamomum* sp.)
 carnation (*Dianthus* sp.)
Cattleya sp. (orchid)
Carica papaya L. (papaya)
Cercis canadensis L. (judas; redbud)
Cestrum diurnum L. (day jessamine)
C. nocturnum L. (night-blooming jessamine)
Chamaerops sp. (palm)
 chenille plant (*Acalypha* sp.)
Chrysalidocarpus lutescens Wendl. (butterfly-palm; golden cane palm)
Cinnamomum sp. (camphor tree)
Cocos nucifera L. (coconut palm)
Coleus sp.
 comptie; coontie "fern" (*Zamia integrifolia* Ait.)
Cyrtopodium punctatum (L.) Lindl. (cow-horn orchid)
Dianthus sp. (carnation)
Epidendrum tampense Ldl. (Florida butterfly orchid)

Euonymus sp. (strawberry bush)
 ferns
 "fern," coontie (*Zamia integrifolia* Ait.)
Ficus rubiginosa Vent. (rusty fig)
 fig, rusty (*Ficus rubiginosa* Vent.)
 flame vine (*Pyrostegia ignea* (Vell.) Presl.)
Gaylussacia sp. (huckleberry)
 guava (*Psidium guajava* L.)
Hamelia patens Jacq. (scarlet-bush)
Hedera sp. (ivy)
Hibiscus sp.
 holly (*Ilex* sp.)
 honeysuckle (*Lonicera* sp.)
 horsebrier (*Smilax* sp.)
Howeia sp. (sentry palm)
 huckleberry (*Gaylussacia* sp.)
Ilex sp. (holly)
I. vomitoria Ait. (yaupon)
 ivy (*Hedera* sp.)
Ixora sp.
Jacobinia sp.
 jasmine (*Jasminum* sp.)
Jasminum sp. (jasmine)
 jessamine, day (*Cestrum diurnum* L.)
 jessamine, night-blooming (*Cestrum nocturnum* L.)
 judas tree (*Cercis canadensis* L.)
Kigelia pinnata DC. (sausage tree)
Lonicera sp. (honeysuckle)
Magnolia grandiflora L. (bull bay)
 magnolia, Japanese white leaf (*Magnolia obovata* Thunb.)
Magnolia obovata Thunb. (Japanese white leaf magnolia)
M. virginiana L. (sweet bay)
 milkwort (*Polygala rugelii* Schuttlw.)
Nerium oleander L. (oleander)
 oleander (*Nerium oleander* L.)
 olive, sweet or tea (*Osmanthus fragrans* Lour.)
 orchids:
 butterfly, Florida (*Epidendrum tampense* Ldl.)
 Cattleya sp.
 cow-horn (*Cyrtopodium punctatum* (L.) Lindl.)
 Vanda teres (Roxb.) Ldl. x *V. hookeriana* Rchb. f.
Osmanthus fragrans Lour.
 palms:
 butterfly- (*Chrysalidocarpus lutescens* Wendl.)
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 Canary Island date (*Phoenix canariensis* Chaub.)
 cane, golden (*Chrysalidocarpus lutescens* Wendl.)
 Chamaerops sp.
 coconut (*Cocos nucifera* L.)
 jelly (*Butia capitata* (Mart.) Becc.)
 pindo (*Butia capitata* (Mart.) Becc.)
 Ptychosperma sp.
 royal (*Roystonea* sp.)
 sentry (*Howeia* sp.)

Serenoa repens (Bart.) Small
Thrinax sp.
Washingtonia sp.
 papaya (*Carica papaya* L.)
 pepper-tree, Brazilian (*Schinus terebinthifolius* Raddi)
Persea americana Mill. (avocado)
P. borbonia (L.) Spreng. (red bay)
P. palustris (Raf.) Sarg. (swamp bay)
Phoenix canariensis Chaub. (Canary Island date palm)
Polygala rugelii Schuttlw. (milkwort)
 powderpuff tree (*Calliandra haematocephala* Hassk.)
Psidium guajava L. (guava)
Ptychosperma sp. (palm)
Pyrostegia sp. (pyrostegia)
P. ignea (Vell.) Presl. (flame vine)
 redbud (*Cercis canadensis* L.)
Rhacoma ilicifolia (Poir.) Trelease (rhacoma)
Roystonea sp. (royal palm)
Rubus sp. (blackberry)
Sabal palmetto (Walt.) Lodd. (cabbage palm)
 sausage tree (*Kigelia pinnata* DC.)
 scarlet bush (*Hamelia patens* Jacq.)
Schinus terebinthifolius Raddi (Brazilian pepper-tree)
 seminole bread (*Zamia integrifolia* Ait.)
Serenoa repens (Bartr.) Small (palm)
Smilax sp. (horsebrier)
 strawberry bush (*Euonymus* sp.)
Trichostigma sp.
Thrinax sp. (palm)
Tibouchina sp.
Vaccinium sp. (blueberry)
Vanda teres (Roxb.) Ldl. x *V. hookeriana* Rchb. f. (orchid)
 viburnum, laurestinus (*Viburnum tinus* L.)
Viburnum odoratissimum Ker (viburnum)
V. tinus L. (laurestinus viburnum)
Washingtonia sp. (palm)
 yaupon (*Ilex vomitoria* Ait.)
Yucca sp.
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (comptie; coontie "fern"; seminole bread)

PSEUDOPARLATORIA TILLANDSIAE TIPPINS
 — false Spanish-moss scale

ball moss (*Tillandsia recurvata* L.)
Tillandsia recurvata L. (ball moss)

QUADRASPIDIOTUS FORBESI (JOHNSON) — Forbes scale

almond, wild (*Prunus* sp.)
 apple, (*Malus* sp.)
Betula nigra L. (river or red birch)
 birch, red (*Betula nigra* L.)
 birch, river (*Betula nigra* L.)

Carya sp. (hickory)
C. illinoensis Koch (pecan)
 cassena (*Ilex vomitoria* Ait.)
Celtis laevigata Willd. (hackberry)
 cherry (*Prunus* sp.)
Cleyera japonica (L.) Thunb. (sakaki)
Cornus florida L. (flowering dogwood)
 dogwood, flowering (*Cornus florida* L.)
 elm, Chinese (*Ulmus parvifolia* Jacq.)
Eriobotrya japonica Thunb. (loquat)
 hackberry (*Celtis laevigata* Willd.)
 hickory (*Carya* sp.)
 holly, East Palatka (*Ilex opaca* Ait. 'East Palatka')
Ilex opaca Ait. 'East Palatka' (East Palatka holly)
I. vomitoria Ait. (yaupon; cassena)
 loquat (*Eriobotrya japonica* Thunb.)
Malus sp. (apple)
 pear (*Pyrus* sp.)
 pecan (*Carya illinoensis* Koch)
 plum (*Prunus* sp.)
Prunus sp. (wild almond; cherry; plum)
Pyrus sp. (pear)
 sakaki (*Cleyera japonica* (L.) Thunb.)
Ulmus parvifolia Jacq. (Chinese elm)
 yaupon (*Ilex vomitoria* Ait.)

QUADRASPIDIOTUS JUGLANSREGIAE (COM-STOCK) — walnut scale

Acer saccharinum L. (silver maple)
 almond, flowering (*Prunus* sp.)
 apple (*Malus* sp.)
 azalea (*Rhododendron* sp.)
Bauhinia sp. (jupiter tree; mountain ebony; Florida orchid-tree)
 bay (*Persea* sp.)
 beech, American (*Fagus grandifolia* Ehrh.)
 blackhaw (*Viburnum obovatum* Walt.)
 boxwood (*Buxus* sp.)
 bridalwreath (*Spiraea prunifolia* S. & Z.)
Buxus sp. (boxwood)
 cactus
 camellia (*Camellia japonica* L.)
Camellia japonica L. (camellia)
Carya illinoensis Koch (pecan)
Cercis canadensis L. (redbud)
C. siliquastrum L. (judas)
 cherry laurel (*Prunus caroliniana* (Mill.) Ait.)
 cherry, wild (*Prunus* sp.)
 coralberry (*Symphoricarpos orbiculatus* Moench)
Cornus florida L. (flowering dogwood)
Cotoneaster
Crataegus sp. (hawthorn)
 currant, Indian (*Symphoricarpos orbiculatus* Moench)
Diervilla sp. (bush honeysuckle)
Diospyros sp. (persimmon)
 dogwood, flowering (*Cornus florida* L.)

earpod tree (*Enterolobium cyclocarpum* Griseb.)
Elaeagnus sp.
 elderberry (*Sambucus* sp.)
 elm (*Ulmus* sp.)
Enterolobium cyclocarpum Griseb. (earpod tree)
Fagus grandifolia Ehrh. (American beech)
 firethorn (*Pyracantha crenulata* Roem.)
 gallberry (*Ilex glabra* Gray)
Gleditsia triacanthos L. (honey locust)
 hawthorn (*Crataegus* sp.)
 holly (*Ilex crenata* Thunb. 'Convexa')
 holly, East Palatka (*Ilex opaca* Ait. 'East Palatka')
 holly, Japanese (*Ilex crenata* Thunb. 'Rotundifolia')
 honeysuckle (*Lonicera x heckrottii* Rehd.)
 honeysuckle, bush (*Diervilla* sp.)
Ilex crenata Thunb. 'Convexa' (holly)
I. crenata Thunb. 'Rotundifolia' (Japanese holly)
I. glabra Gray (gallberry)
I. opaca Ait. 'East Palatka' (East Palatka holly)
 jupiter tree (*Bauhinia* sp.)
 judas tree (*Cercis siliquastrum* L.)
 laurelcherry, Carolina (*Prunus caroliniana* (Mill.) Ait.)
 laurestinus (*Viburnum tinus* L.)
Liquidambar styraciflua L. (sweetgum; red gum)
Liriodendron tulipifera L. (tulip tree)
 locust, black (*Robinia pseudoacacia* L.)
 locust, honey (*Gleditsia triacanthos* L.)
Lonicera x heckrottii Rehd. (honeysuckle)
Malus sp. (apple)
 maple, silver (*Acer saccharinum* L.)
 mountain ebony (*Bauhinia* sp.)
 nectarine (*Prunus persica* Batsch var. *nectarina* (Ait.) Maxim)
 oak, live (*Quercus virginiana* Mill.)
 orchid-tree, Florida (*Bauhinia* sp.)
 peach (*Prunus persica* Batsch)
 pear (*Pyrus communis* L.)
 pecan (*Carya illinoensis* Koch)
Persea sp. (bay)
 persimmon (*Diospyros* sp.)
Photinia serrulata Lindl. (photinia)
Pinus elliottii Engelm. (slash pine)
 pine, slash (*Pinus elliottii* Engelm.)
 plum (*Prunus* sp.)
 plum, Spanish (*Spondias purpurea* L.)
 poplar (*Populus* sp.)
Populus sp. (poplar)
Prunus sp. (plum; wild cherry; flowering almond)
P. caroliniana (Mill.) Ait. (cherry laurel; Carolina laurelcherry)
P. persica Batsch (peach)
P. persica Batsch var. *nectarina* (Ait.) Maxim (nectarine)
Pyracantha crenulata Roem. (firethorn)
Pyrus communis L. (pear)
Quercus virginiana Mill. (live oak)
 redbud (*Cercis canadensis* L.)

red gum (*Liquidambar styraciflua* L.)
 red mombin (*Spondias purpurea* L.)
Rhododendron sp. (azalea)
Rhus sp. (sumac)
Robinia pseudoacacia L. (black locust)
Rosa sp. (rose)
 rose (*Rosa* sp.)
Sambucus sp. (elderberry)
Spiraea sp. (spirea)
S. prunifolia S. & Z. (bridalwreath)
 spirea (*Spiraea* sp.)
Spondias purpurea L. (Spanish plum; red mombin)
 sumac (*Rhus* sp.)
 sweetgum (*Liquidambar styraciflua* L.)
Symphoricarpos orbiculatus Moench (Indian currant; coralberry)
 toothache tree (*Zanthoxylum clava-herculis* L.)
 tulip tree (*Liriodendron tulipifera* L.)
Ulmus sp. (elm)
Viburnum obovatum Walt. (blackhaw or wild viburnum)
V. tinus L. (laurestinus)
 viburnum, wild (*Viburnum obovatum* Walt.)
Zanthoxylum clava-herculis L. (toothache tree)

QUADRASPIDIOTUS PERNICIOSUS (COM-STOCK) — San Jose scale

Acer sp. (maple)
A. saccharinum L. (silver or white maple)
Akebia quinata Decne.
Althaea sp. (hollyhock)
 apple (*Malus* sp.)
 apple, crab (*Malus* sp.)
 apple, flowering crab (*Malus halliana* Koehne)
 apple, southern crab (*Malus angustifolia* (Ait.) Michx.)
Aronia arbutifolia Ell. (red chokeberry)
 bay, loblolly (*Gordonia lasianthus* (L.) Ellis)
 bridalwreath (*Spiraea* sp.)
 burning bush (*Euonymus* sp.)
Camellia japonica L.
Carya illinoensis Koch (pecan)
Chaenomeles japonica (Thunb.) Lindl. (Japanese flowering quince)
 cherry laurel (*Prunus caroliniana* (Mill.) Ait.)
 chokeberry, red (*Aronia arbutifolia* Ell.)
Citrus paradisi Macf. (grapefruit)
Cotoneaster sp.
Crataegus sp. (hawthorn)
 currant (*Ribes* sp.)
Diospyros sp. (persimmon)
Elaeagnus sp.
 elm (*Ulmus* sp.)
 elm, Chinese (*Ulmus parvifolia* Jacq.)
Euonymus sp. (burning bush; strawberry bush)
Ficus carica L. (common fig)
 fig, common (*Ficus carica* L.)
 firethorn (*Pyracantha coccinea* Roem.)

Forsythia sp. (goldenbells)
glabra (*Acer* sp.)
 goldenbells (*Forsythia* sp.)
Gordonia lasianthus (L.) Ellis (loblolly bay)
 grape (*Vitis* sp.)
 grapefruit (*Citrus paradisi* Macf.)
 hawthorn (*Crataegus* sp.)
 hollyhock (*Althaea* sp.)
Hypericum sp. (St. Johnswort)
Juglans sp. (walnut)
 laurelcherry, Carolina (*Prunus caroliniana* (Mill.) Ait.)
 laurel, English (*Laurus* sp.)
Laurus sp.
Ligustrum sp.
 lilac (*Syringa* sp.)
Magnolia virginiana L. (sweet bay)
Malus sp. (apple)
M. angustifolia (Ait.) Michx. (southern crab apple)
M. halliana Koehne (flowering crab apple)
 maple, silver (*Acer saccharinum* L.)
 maple, white (*Acer saccharinum* L.)
 nectarine (*Prunus persica* Batsch var. *nectarina* (Ait.) Maxim)
 orange, trifoliolate- (*Poncirus trifoliata* Raf.)
 peach (*Prunus persica* Batsch)
 pear (*Pyrus communis* L.)
 pear, Japanese (*Pyrus pyrifolia* Nakai)
 pecan (*Carya illinoensis* Koch)
 persimmon (*Diospyros* sp.)
 photinia (*Photinia serrulata* Lindl.)
 photinia, Japanese (*Photinia glabra* (Thunb.) Maxim)
Photinia glabra (Thunb.) Maxim (Japanese photinia)
P. serrulata Lindl. (photinia)
 plum (*Prunus americana* Marsh.)
 plum, garden (*Prunus domestica* L.)
Poncirus trifoliata Raf. (trifoliolate-orange)
 poplar (*Populus* sp.)
Populus sp. (poplar)
 prune (*Prunus* sp.)
Prunus sp. (prune)
P. americana Marsh. (plum)
P. caroliniana (Mill.) Ait. (cherry laurel; Carolina laurelcherry)
P. domestica L. (garden plum)
P. persica Batsch (peach)
P. persica Batsch var. *nectarina* (Ait.) Maxim. (nectarine)
Pyracantha coccinea Roem. (firethorn)
Pyrus communis L. (pear)
P. pyrifolia Nakai (Japanese pear)
 quince, Japanese flowering (*Chaenomeles japonica* (Thunb.) Lindl.)
Ribes sp. (currant)
Rosa sp. (rose)
 rose (*Rosa* sp.)
 St. Johnswort (*Hypericum* sp.)

snowberry (*Symphoricarpos* sp.)
Spiraea sp. (bridalwreath; spirea)
 spirea (*Spiraea* sp.)
 strawberry bush (*Euonymus* sp.)
 sweet bay (*Magnolia virginiana* L.)
Symphoricarpos sp. (snowberry)
Syringa sp. (lilac)
Ulmus sp. (elm)
U. parvifolia Jacq. (Chinese elm)
Viburnum sp.
Vitis sp. (grape)
 walnut (*Juglans* sp.)

QUADRASPIDIOTUS TAXODII FERRIS — bald cypress scale

cypress, bald (*Taxodium distichum* Rich.)
Taxodium distichum Rich. (bald cypress)

QUERNASPIS QUERCUS (COMSTOCK) — oak scale

oak (*Quercus* sp.)
 oak, live (*Quercus virginiana* Mill.)
 oak, water (*Quercus nigra* L.)
Quercus sp. (oak)
Q. nigra L. (water oak)
Q. virginiana Mill. (live oak)

RADIONASPIS INDICA (MARLATT) — mango scale

Annona muricata L. (soursop)
Bidens pilosa L. (Spanish needle)
Mangifera indica L. (mango)
 mango (*Mangifera indica* L.)
 soursop (*Annona muricata* L.)
 Spanish needle (*Bidens pilosa* L.)

RHIZASPIDIOTUS DEARNESSI (COCKERELL) — dearness scale

Ambrosia sp. (ragweed)
Cassia sp. (partridge pea)
 clover, prairie (*Petalostemon feayi* Chapm.)
 dog-fennel (*Eupatorium* sp.)
Eupatorium sp. (dog-fennel)
 grasses
 pea, partridge (*Cassia* sp.)
Petalostemon corymbosus Michx. (summer farewell)
P. feayi Chapm. (prairie-clover)
Polygonella fimbriata (Ell.) Horton (thysanella)
 ragweed (*Ambrosia* sp.)
 summer farewell (*Petalostemon corymbosus* Michx.)
 thysanella (*Polygonella fimbriata* (Ell.) Horton)
Verbena sp.

SELENASPIDUS ARTICULATUS (MORGAN) — rufous scale

Acacia sp. (popinac)

Achras sapota L. (sapodilla)
Aglaonema commutatum Schott (aglaonema)
Annona squamosa L. (sugar apple)
 apple, sugar (*Annona squamosa* L.)
 avocado (*Persea americana* Mill.)
 banana (*Musa* sp.)
Bauhinia sp. (jupiter tree; mountain ebony;
 Florida orchid-tree)
Brunfelsia americana L. (lady-of-the-night)
Bursera simaruba (L.) Sarg. (gumbo-limbo)
Cestrum sp. (jessamine)
 chalcas (*Murraya* sp.)
Chamaerops humilis L. (European fan palm)
Citrus sp.
Cocos nucifera L.
Codiaeum variegatum Blume (croton)
 croton (*Codiaeum variegatum* Blume)
 ebony, mountain (*Bauhinia* sp.)
Ficus carica L. (common fig)
F. retusa L. (Indialaurel fig)
 fig, common (*Ficus carica* L.)
 fig, Indialaurel (*Ficus retusa* L.)
 gumbo-limbo (*Bursera simaruba* (L.) Sarg.)
 henna (*Lawsonia* sp.)
Jacaranda acutifolia H. & B. (jacaranda)
 jasmine (*Jasminum* sp.)
Jasminum sp. (jasmine)
 jessamine (*Cestrum* sp.)
 jupiter tree (*Bauhinia* sp.)
 lady-of-the-night (*Brunfelsia americana* L.)
Lawsonia sp. (henna; mignonette-tree)
Ligustrum lucidum Ait. (ligustrum)
 lime, Spanish (*Melicocca bijuga* L.)
Melicocca bijuga L. (Spanish lime)
Metopium toxiferum (L.) Krug & Urban (Florida
 poisonwood)
 mignonette-tree (*Lawsonia* sp.)
Murraya sp. (chalcas)
Musa sp. (banana)
Nerium oleander L. (oleander)
 oleander (*Nerium oleander* L.)
 orchid-tree, Florida (*Bauhinia* sp.)
 palm, coconut (*Cocos nucifera* L.)
 palm, European fan (*Chamaerops humilis* L.)
 paradise tree (*Simarouba glauca* DC.)
Persea americana Mill. (avocado)
Phoenix sp. (palm)
 pine (*Pinus* sp.)
Pinus sp. (pine)
 plum, hog (*Prunus* sp.)
 poisonwood, Florida (*Metopium toxiferum* (L.)
 Krug & Urban)
 pomegranate (*Punica granatum* L.)
 popinac (*Acacia* sp.)
Prunus sp. (hog plum)
Punica granatum L. (pomegranate)
Rosa sp. (rose)
 rose (*Rosa* sp.)
 sapodilla (*Achras sapota* L.)
Simarouba glauca DC. (paradise tree)

tamarind (*Tamarindus indica* L.)
Tamarindus indica L. (tamarind)

SITULASPIS YUCCAE (COCKERELL) — small situlaspis scale

Hesperaloe parviflora (Torr.) Coult. (red-flower
 yucca)
 red-flower yucca (*Hesperaloe parviflora* (Torr.)
 Coult.)
Yucca sp. (yucca)

UNASPIS CITRI (COMSTOCK) — citrus snow scale

Ananas comosus Merr. (pineapple)
 calamondin (*Citrus mitis* Blanco)
 citrange (*Citrus sinensis* (L.) Osbeck x *Poncirus
 trifoliata* Raf. 'Carrizo')
Citrus aurantifolia (Christm.) Swingle x *For-
 tunella* sp. (limequat)
C. aurantium L. (sour orange)
C. limon Burm. f. (lemon)
C. limonia Osbeck (rangpur lime)
C. mitis Blanco (calamondin)
C. paradisi Macf. (grapefruit)
C. reticulata Blanco 'Dancy' (dancy tangerine),
 'Ponkan' (mandarin orange), 'Unshiu' (sat-
 suma)
C. reticulata Blanco x *C. paradisi* Macf. (tangelo),
 'Minneola,' 'Orlando,' 'Page'
C. reticulata Blanco x *C. sinensis* (L.) Osbeck
 'Murcott'
C. sinensis Osbeck (sweet orange)
C. sinensis (L.) Osbeck x *Poncirus trifoliata* Raf.
 'Carrizo' (citrange)
Fortunella sp. (kumquat)
F. crassifolia Swingle (Meiwa kumquat)
 grapefruit (*Citrus paradisi* Macf.)
Hibiscus sp. (hibiscus)
 hibiscus (*Hibiscus* sp.)
 kumquat (*Fortunella* sp.)
 kumquat, meiwa (*Fortunella crassifolia* Swing.)
 lemon (*Citrus limon* Burm. f.)
 lime, rangpur (*Citrus limonia* Osbeck)
 limequat (*Citrus aurantifolia* (Christm.) Swingle
 x *Fortunella* sp.)
 orange, mandarin (*Citrus reticulata* Blanco
 'Ponkan')
 orange, sour (*Citrus aurantium* L.)
 orange, sweet (*Citrus sinensis* Osbeck)
 orange, trifoliolate (*Poncirus trifoliata* Raf.)
 pineapple (*Ananas comosus* Merr.)
Poncirus trifoliata Raf. (trifoliolate orange)
 satsuma (*Citrus reticulata* Blanco 'Unshiu')
 tangelo (*Citrus paradisi* Macf. x *C. reticulata*
 Blanco)
 tangerine, dancy (*Citrus reticulata* Blanco
 'Dancy')

UNASPIS EUONYMI (COMSTOCK) — euonymous scale

burning bush (*Euonymus japonicus* L.)
Buxus microphylla Sieb & Zucc.
Camellia sp.
Eugenia dicrana Berg. (twinberry eugenia)
 eugenia, twinberry (*Eugenia dicrana* Berg.)
Euonymus japonicus L. (burning bush)

VELATASPIS DENTATA (HOKE) — dentate scale

Acer rubrum L. (red maple)
Agave sp. (century plant)
Aristolochia elegans Mast. (calico flower)
Asimina incanum Exell.
 asparagus, sprenger (*Asparagus sprengeri* Regel)
Asparagus sprengeri Regel (sprenger asparagus)
Atriplex sp.
 banana (*Musa* sp.)
 bay, loblolly (*Gordonia* sp.)
 bay, red (*Persea* sp.)
 bay, swamp (*Persea palustris* (Raf.) Sarg.)
 bay, sweet (*Magnolia virginiana* L.)
 bayonet, Spanish (*Yucca* sp.)
 blueberry (*Vaccinium* sp.)
Celtis sp. (hackberry)
 century plant (*Agave* sp.)
Cercis sp. (redbud)
 comptie (*Zamia integrifolia* Ait.)
 coontie (*Zamia integrifolia* Ait.)
Cornus sp. (dogwood)
Cycas revoluta Thunb. (sago-palm)
 devilwood (*Osmanthus americanus* Gray)
 dogwood (*Cornus* sp.)
 elm, Chinese (*Ulmus* sp.)
 "fern," coontie (*Zamia integrifolia* Ait.)
Gaylussacia sp. (huckleberry)
Gordonia sp. (loblolly bay)
 hackberry (*Celtis* sp.)
 holly (*Ilex* sp.)
 huckleberry (*Gaylussacia* sp.)

Ilex sp. (holly)
Itea virginica L. (sweet spire; Virginia willow)
Lindera sp. (spice-bush)
Magnolia grandiflora L. (southern magnolia)
M. virginiana L. (sweet bay)
 magnolia, southern (*Magnolia grandiflora* L.)
 maple, red (*Acer rubrum* L.)
 mistletoe (*Phoradendron flavescens* Nutt.)
Morus sp. (mulberry)
 mulberry (*Morus* sp.)
Musa sp. (banana)
Myrica cerifera L. (wax myrtle)
 myrtle, wax (*Myrica cerifera* L.)
 oak (*Quercus* sp.)
Osmanthus americanus Gray (devilwood)
 palmetto, scrub (*Sabal etonia* Swingle & Nash)
 palms:
 cabbage (*Sabal palmetto* (Walt.) Lodd.)
 sago- (*Cycas revoluta* Thunb.)
 pear (*Pyrus* sp.)
Persea sp. (red bay)
P. palustris (Raf.) Sarg. (swamp bay)
Phoradendron flavescens Nutt. (mistletoe)
Pinus sp.
Pyrus sp. (pear)
Quercus sp. (oak)
 redbud (*Cercis* sp.)
Sabal etonia Swingle (scrub palmetto)
S. palmetto (Walt.) Lodd. (cabbage palm)
 seminole bread (*Zamia integrifolia* Ait.)
 Spanish dagger (*Yucca* sp.)
 spice-bush (*Lindera* sp.)
 sweet spire (*Itea virginica* L.)
Ulmus sp. (Chinese elm)
Vaccinium sp. (blueberry)
Viburnum pubescens Pursh (viburnum)
 willow, Virginia (*Itea virginica* L.)
Wisteria sp. (wisteria)
Yucca sp. (Spanish bayonet; Spanish dagger)
Zamia floridana DC. (see *Zamia integrifolia* Ait.)
Z. integrifolia Ait. (comptie; coontie "fern";
 seminole bread)

Index To HOST PLANTS OF FLORIDA ARMORED SCALES

Armored scales found on each host are listed alphabetically by scientific name

ABELIA sp.

Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

ABIES BALSAMA (L.) Mill. (balsam fir)

Chionaspis pinifoliae (Fitch), pine needle scale

ABUTILON sp. (flowering maple)

Pinnaspis strachani (Cooley), lesser snow scale

ACACIA sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Melanaspis mimosae (Comst.), mimosa scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
Selenaspis articulatus (Morg.), rufous scale

ACACIA AURICULAEFORMIS A. Cunn. (ear tree)

Howardia biclavis (Comst.), mining scale

ACACIA FARNESIANA Willd. (popinac)

Clavaspis herculeana (Doane & Hadden), herculeana scale
Hemiberlesia lataniae (Sign.), latania scale

ACALYPHA sp. (copperleaf, chenille plant)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

ACALYPHA WILKESIANA Muell. Arg.

Howardia biclavis (Comst.), mining scale
Pseudoparlatoria ostreata Ckll., gray scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

ACANTHOSTACHYS STROBILACEA Link, Klotzsch, & Otto

Hemiberlesia palmae (Ckll.), tropical palm scale

ACER sp. (maple)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus spinosus Comst., spinose scale
Diaspidiotus ancyclus (Put.), Putnam scale
Diaspidiotus liquidambaris (Kotinsky), sweet-gum scale
Diaspidiotus osborni (Newell & Ckll.), Osborn scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis tenebricosa (Comst.), gloomy scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Quadraspidotus perniciosus (Comst.), San Jose scale

ACER BARBATUM Michx. (maple)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Melanaspis obscura (Comst.), obscure scale

ACER FLORIDANUM (Chapm.) Pax. (see *Acer barbatum*)

ACER NEGUNDO L. (boxelder)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis tenebricosa (Comst.), gloomy scale

ACER PALMATUM Thunb. (Japanese maple)

Hemiberlesia lataniae (Sign.), latania scale

ACER RUBRUM L. (red maple)

Abgrallaspis howardi (Ckll.), Howard scale
Melanaspis tenebricosa (Comst.), gloomy scale
Velataspis dentata (Hoke), dentate scale

ACER SACCHARINUM L. (silver or white maple)

Melanaspis tenebricosa (Comst.), gloomy scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
Quadraspidiotus perniciosus (Comst.), San Jose scale

ACHIMENES sp.

Gymnaspis aechmeae Newst., flyspeck scale

ACHRAS SAPOTA L. (sapodilla)

Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Howardia biclavus (Comst.), mining scale
Melanaspis mimosae (Comst.), mimosa scale
Mycetaspis personata (Comst.), masked scale
Parlatoria proteus (Custis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Selenaspidus articulatus (Morg.), rufous scale

ACER RUBRUM L. (red maple)

Abgrallaspis howardi (Ckll.), Howard scale
Melanaspis tenebricosa (Comst.), gloomy scale
Velataspis dentata (Hoke), dentate scale

ACER SACCHARINUM L. (silver or white maple)

Melanaspis tenebricosa (Comst.), gloomy scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
Quadraspidiotus perniciosus (Comst.), San Jose scale

ACHIMENES sp.

Gymnaspis aechmeae Newst., flyspeck scale

ACHRAS SAPOTA L. (sapodilla)

Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Howardia biclavus (Comst.), mining scale
Melanaspis mimosae (Comst.), mimosa scale
Mycetaspis personata (Comst.), masked scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Selenaspidus articulatus (Morg.), rufous scale

ACOELORRHAPHE WRIGHTII (Griseb. & Wendl.) Wendl. & Becc. (Everglade palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Comstockiella sabalis (Comst.), palmetto scale
Diaspis boisduvalii Sign., Boisduval scale
Ischnaspis longirostris (Sign.), black thread scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

ACORUS JAPONICUS (see *Acorus gramineus*)**ACORUS GRAMINEUS** Soland. (Japanese sweet-flag)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

ACORUS GRAMINEUS Soland. 'VARIEGATUS' (acorus)

Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia palmarum (Ckll.), tropical palm scale

ACROCOMIA sp. (palm)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

ACROCOMIA TOTALI Mart. (palm)

Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis boisduvalii Sign., Boisduval scale

ACROSTICHUM DANAEAEFOLIUM Langed. & Fisch (leatherfern)

Pinnaspis aspidistrae (Sign.), fern scale

ACTINIDIA sp.

Pinnaspis strachani (Cooley), lesser snow scale

ACTINIDIA CHINENSIS Planch. (kiwi)

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

ADAM'S NEEDLE (see *Yucca filamentosa*) (see *Yucca smalliana* Fern.)**ADANSONIA DIGITATA** L. (baobab)

Aonidiella orientalis (Newst.), oriental scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

ADENANTHERA sp. (bead tree)

Hemiberlesia lataniae (Sign.), latania scale

- Palinaspis quohogiformis* (Merrill), quohog-shaped scale
- ADENOSTOMA** sp. (chamiso)
Pinnaspis strachani (Cooley), lesser snow scale
- ADIANTUM** sp. (maidenhair fern)
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
- ADLUMIA FUNGOSA** Greene
Hemiberlesia lataniae (Sign.), latania scale
- ADONIDIA MERRILLI** Becc. (see *Veitchia merrillii*)
- AECHMEA** sp.
Diaspis bromeliae (Kern.), pineapple scale
Gymnaspis aechmeae Newst., flyspeck scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia palmae (Ckll.), tropical palm scale
Parlatoria proteus (Curtis), proteus scale
- AECHMEA BARLEEI** Baker
Gymnaspis aechmeae Newst., flyspeck scale
- AECHMEA BROMELIAEFOLIA** Baker (bromeliad)
Diaspis boisduvalii Sign., Boisduval scale
- AECHMEA CAUDATA** Lindman 'VARIEGATA'
Diaspis boisduvalii Sign., Boisduval scale
- AECHMEA CHANTINI** Baker (bromeliad)
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia palmae (Ckll.), tropical palm scale
- AECHMEA DISTANS** Griseb. (see *Hohenbergia distans* (Griseb.) Bak.)
- AECHMEA FASCIATA** Baker
Gymnaspis aechmeae Newst., flyspeck scale
- AECHMEA FULGENS** Brongn., 'DISCOLOR'
Gymnaspis aechmeae Newst., flyspeck scale
Ischnaspis longirostris (Sign.), black thread scale
- AECHMEA PINELIANA** Baker
Hemiberlesia palmae (Ckll.), tropical palm scale
- AEGLE MARMELOS** (L.) Correa (baelfruit)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale
- AEGLOPSIS CHEVALIERI** Swingle (ivorycoast aeglopsis, dwarf powder flask fruit)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Lepidosaphes gloverii (Pack.), Glover scale
Pinnaspis strachani (Cooley), lesser snow scale
- AEGLOPSIS, IVORYCOAST** (see *Aeglopsis chevalieri*)
- AERIDES VANDARUM** Reichb. f.
Diaspis boisduvalii Sign., Boisduval scale
- AERIDES ODORATUM** Lour. (orchid)
Parlatoria proteus (Curtis), proteus scale
- AGAPANTHUS AFRICANUS** Hoff.
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- AGATHIS** sp. (dammar pine)
Melanaspis mimosae (Comst.), mimosa scale
- AGATHIS AUSTRALIS** Salisb. (kauri pine)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- AGAVE** sp. (century plant)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Comstockiella sabalis (Comst.), palmetto scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
Velataspis dentata (Hoke), dentate scale
- AGAVE AMERICANA** L. (century plant)
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- AGLAIA ODORATISSIMA** Benth. (little grain orchid)
Lepidosaphes gloverii (Pack.), Glover scale
- AGLAONEMA** sp.
Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
- AGLAONEMA COMMUTATUM** Schott
Aspidiotus excisus Green, aglaonema scale
Selenaspis articulatus (Morg.), rufous scale

AGLAONEMA MODESTUM Schott*Aspidiotus excisus* Green, aglaonema scale**AGROSTIS ALBA** L. (red top)*Hemiberlesia lataniae* (Sign.), latania scale**AIR PLANT** (see bromeliad)**AIRBROM, VIOLET TRIM** (see *Billbergia pyramidalis*)**AJUGA REPTANS** L.*Diaspis boisduvalii* Sign., Boisduval scale**AKEBIA QUINATA** Decne.*Quadraspidiotus perniciosus* (Comst.), San Jose scale**AKEE NUT TREE** (see *Blighia sapida*)**ALAMO** (see *Ficus religiosa*)**ALBIZZIA DISTACHYA** Macb. (plume albizzia)*Clavaspis herculeana* (Doane & Hadden), herculeana scale**ALBIZZIA JULIBRISSIN** Durazz. (silk-tree, mimosa)*Clavaspis herculeana* (Doane & Hadden), herculeana scale*Hemiberlesia lataniae* (Sign.), latania scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale**ALBIZZIA LEBBECK** Benth. (womans-tongue tree)*Clavaspis herculeana* (Doane & Hadden), herculeana scale*Hemiberlesia lataniae* (Sign.), latania scale*Melanaspis mimosae* (Comst.), mimosa scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale**ALBIZZIA, PLUM** (see *Albizzia distachya*)**ALEURITES FORDII** Hemsl. (tung oil tree, China wood oil tree, varnish tree, tung nut tree)*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale*Aspidiotus nerii* Bouché, oleander scale*Aspidiotus spinosus* Comst., spinose scale*Hemiberlesia lataniae* (Sign.) latania scale*Howardia biclavis* (Comst.) mining scale*Parlatoria pergandii* Comst., chaff scale*Pinnaspis strachani* (Cooley), lesser snow scale*Pseudaonidia duplex* (Ckll.), camphor scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale**ALEURITES MOLUCCANA** Willd. (candlenut tree)*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Hemiberlesia lataniae* (Sign.), latania scale*Pinnaspis strachani* (Cooley), lesser snow scale*Pseudaulacaspis cockerelli* (Cooley), false oleander scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale**ALGARROBA** (see *Ceratonia siliqua*)**ALLAMANDA** sp.*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale*Aspidiotus destructor* Sign., coconut scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale*Howardia biclavis* (Comst.) mining scale*Lepidosaphes beckii* (Newman), purple scale*Lindingaspis floridana* Ferris, floridana scale**ALLAMANDA CATHARTICA** L. var. **HENDERSONII** Bull.*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale**ALLAMANDA NERIIFOLIA** Hook. (oleander allamanda)*Ischnaspis longirostris* (Sign.), black thread scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale**ALLAMANDA, OLEANDER** (see *Allamanda neriifolia*)**ALLEGHENY-VINE** (see *Adlumia fungosa*)**ALLSPICE** (see *Pimenta officinalis*)**ALLSPICE, CAROLINA** (see *Calycanthus floridus*)**ALMOND** (see *Prunus amygdalus*)**ALMOND, FLOWERING** (see *Prunus* sp.)**ALMOND, INDIAN** (see *Terminalia catappa*)
(see *Terminalia mueleri*)**ALMOND, TROPICAL** (see *Terminalia catappa*)**ALMOND, WILD** (see *Prunus* sp.)

- ALOCASIA** sp. (elephant's ear)
Pinnaspis strachani (Cooley), lesser snow scale
- ALOCASIA, GIANT** (see *Alocasia macrorrhiza*)
- ALOCASIA MACRORRHIZA** Schott (giant alocasia)
Hemiberlesia lataniae (Sign.), latania scale
- ALOE** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Abgrallaspis howardi (Ckll.), Howard scale
Acutaspis perseae (Comst.), red bay scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Parlatoria proteus (Curtis), proteus scale
- ALPINIA** sp.
Pinnaspis aspidistrae (Sign.), fern scale
- ALSOPHILA** sp. (tree fern)
Pinnaspis aspidistrae (Sign.), fern scale
- ALSOPHILA AUSTRALIS** R. Br. (fern tree)
Hemiberlesia rapax (Comst.), greedy scale
- ALTERNANTHERA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- ALTERNANTHERA BETTZICKIANA** Nichols.
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- ALTHAEA** sp.
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Pinnaspis strachani (Cooley), lesser snow scale
Quadraspidiotus perniciosus (Comst.), San Jose scale
- ALTHAEA ROSEA** Cav. (hollyhock)
Hemiberlesia lataniae (Sign.), latania scale
- ALTHEA** (see *Hibiscus syriacus*)
- ALTHEA, SHRUBBY** (see *Hibiscus syriacus*)
- ALVARADOA AMORPHOIDES** Liebm.
Howardia biclavis (Comst.), mining scale
- AMATUNGULA** (see *Carissa grandiflora*)
- AMBARELLA** (see *Spondias cytherea*)
- AMBROSIA** sp. (ragweed)
Aonidomytilus solidaginis (Hoke), goldenrod scale
Rhizaspidotus dearnessi (Ckll.), dearness scale
- AMERICAN LINDEN** (see *Tilia* sp.)
- AMOORA ROHITUKA** Wight. Arn.
Howardia biclavis (Comst.), mining scale
- AMPELOPSIS ARBOREA** (L.) Rusby
Chrysomphalus aonidum (Linnaeus), Florida red scale
- AMPELOTHAMMIS PHILLYREIFOLIUS** (see *Pieris phillyreifolius*)
- ANACARDIUM OCCIDENTALE** L.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- ANANAS** sp.
Diaspis bromeliae (Kern.), pineapple scale
Melanaspis bromeliae (Leon.), ananas scale
- ANANAS BRACTEATA** Schult. f.
Gymnaspis aechmeae Newst., flyspeck scale
- ANANAS COMOSUS** Merr. (pineapple)
Diaspis boisduvalii Sign., Boisduval scale
Unaspis citri (Comst.), citrus snow scale
- ANDIRA** sp.
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
- ANDIRA INERMIS** (W. Wright) H.B.K. (angelin tree)
Howardia biclavis (Comst.), mining scale
- ANDROPOGON** sp. (bluestem grass)
Aspidiella sacchari (Ckll.), sugarcane scale
- ANEILEMA NUDIFOLORUS** (L.) Kunth (aneilema)
Aspidiotus destructor Sign., coconut scale
- ANGELIN TREE** (see *Andera inermis*)
- ANGELONIA ANGUSTIFOLIA** Benth.
Howardia biclavis (Comst.), mining scale
- ANISE TREE** (see *Pimpinella anisum*)
- ANNATTO** (see *Bixa orellana*)

ANNONA sp. (custard apple)

- Aonidiella orientalis* (Newst.), oriental scale
Aonidiella taxus Leonardi, Asiatic red scale
Duplaspidiotus claviger (Ckll.), camellia mining scale

ANNONA CHERIMOLA Mill. (cherimoya)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale

ANNONA DIVERSIFOLIA Saff. (ilama)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale

ANNONA GLABRA L. (pond or alligator apple)

- Aonidiella orientalis* (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale

ANNONA MURICATA L. (soursop, guanabana)

- Aspidiotus destructor* Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Lindingaspis floridana Ferris, floridana scale
Radionaspis indica (Marlatt), mango scale

ANNONA RETICULATA L. (common custard apple, bullocksheart, Jamaica apple)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Hemiberlesia lataniae (Sign.), latania scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale

ANNONA SQUAMOSA L. (sugar apple, sweetsop)

- Aonidiella orientalis* (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Melanaspis mimosae (Comst.), mimosa scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
Selenaspidus articulatus (Morg.), rufous scale

ANTHERICUM LILIAGO L. (St. Bernard lily)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Aspidiotus spinosus Comst., spinose scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Melanaspis mimosae (Comst.), mimosa scale

ANTHURIUM sp.

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis aspidistrae (Sign.), fern scale

ANTHURIUM BENGLII*

Parlatoria proteus (Curtis), proteus scale

ANTHURIUM, HOOKER (see *Anthurium hookeri*)**ANTHURIUM HOOKERI** Kunth (hooker anthurium)

Ischnaspis longirostris (Sign.), black thread scale

ANTIGONON sp. (pink vine, mountain rose)

- Hemiberlesia lataniae* (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Pinnaspis strachani (Cooley), lesser snow scale

ANTIGONON LEPTOPUS Hook. & Arn. (pink vine, coral-vine)

- Hemiberlesia lataniae* (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale

APOLLO sp.

Chrysomphalus aonidum (Linnaeus), Florida red scale

APPLE (see *Malus* sp.)**APPLE, ALLIGATOR** (see *Annona glabra*)**APPLE, BALSAM** (see *Momordica balsamina*)**APPLE, COMMON CUSTARD** (see *Annona reticulata*)**APPLE, CRAB** (see *Malus* sp.)**APPLE, CUSTARD** (see *Annona* sp.)**APPLE, DOG** (see *Asimina* sp.)**APPLE, JAMAICA** (see *Annona reticulata*)

* Authority for genus and species could not be found.

- APPLE, KEI- (see *Douyalis caffra*)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- APPLE, MALAY (see *Syzygium* sp.)
- APPLE, MAMEY (see *Mammea americana*)
- APPLE, OTAHEITE (see *Spondias cytherea*)
- APPLE, POND (see *Annona glabra*)
- APPLE, ROSE (see *Syzygium jambos*)
- APPLE, SOUTHERN CRAB (see *Malus angustifolia*)
- APPLE, STAR (see *Chrysophyllum cainito*)
- APPLE, SUGAR (see *Annona squamosa*)
- APPLE, VI (see *Spondias cytherea*)
- ARABIAN-TEA (see *Catha edulis*)
- ARALIA sp.
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis cockerelli (Cooley), false olean-der scale
- ARALIA ELEGANTISSIMA Hort. (see *Dizygothica elegantissima*)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- ARALIA SIEBOLDII Hort.
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- ARATICU (see *Rollinia emarginata*)
- ARAUCARIA sp. (Norfolk Island pine, monkey-puzzle tree)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Lepidosaphes pallida (Mask.), Maskell scale
Parlatoria proteus (Curtis), proteus scale
- ARAUCARIA BIDWILLII Hook. (bunya-bunya)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- ARAUCARIA EXCELSA R. Br. (Norfolk Island pine)
Acutaspis perseae (Comst.), red bay scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- ARBORVITAE (see *Thuja* sp.)
 (see *Thuja orientalis*)
 (see *Thuja orientalis* var. *stricta*)
- ARBUTUS UNEDO L.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- ARCHONTOPHOENIX ALEXANDRAE (F. Muell.) Wendl. & Drude (king palm)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Pseudaulacaspis cockerelli (Cooley), false olean-der scale
- ARCHONTOPHOENIX CUNNINGHAMIANA (F. Muell.) Wendl. & Drude (king palm)
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- ARDISIA sp. (spiceberry)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella aurantii (Mask.), California red scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- ARDISIA CRENATA Sims (ardisia)
Aonidiella aurantii (Mask.), California red scale
Pinnaspis aspidistrae (Sign.), fern scale
- ARDISIA CRENULATA Lodd. (see *Ardisia crenata*)
- ARDISIA REVOLUTA H.B.K. (fruta de pava)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

ARECA sp. (palm)

Pseudaulacaspis cockerelli (Cooley), false oleander scale

ARECASTRUM ROMANZOFFIANUM Becc. (queen palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus destructor Sign., coconut scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Comstockiella sabalis (Comst.), palmetto scale

Diaspis boisduvalii Sign., Boisduval scale

Diaspis bromeliae (Kern.), pineapple scale

Hemiberlesia lataniae (Sign.), latania scale

Ischnaspis longirostris (Sign.), black thread scale

Parlatoria pergandii Comst., chaff scale

Parlatoria proteus (Curtis), proteus scale

Pinnaspis aspidistrae (Sign.), fern scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

ARENGA PINNATA (Wurmb) Merr. (palm)

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Hemiberlesia lataniae (Sign.), latania scale

Ischnaspis longirostris (Sign.), black thread scale

Parlatoria proteus (Curtis), proteus scale

ARIKURYROBA SCHIZOPHYLLA Becc. (see *Arenga pinnata*)**ARISTEA** sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

ARISTIDA sp. (wire grass)

Chortinaspis graminella (Ckll.), native grass scale

ARISTOLOCHIA sp. (dutchman's pipe, birthwort)

Aspidiotus nerii Bouché, oleander scale

ARISTOLOCHIA ELEGANS Mast. (calico flower)

Velataspis dentata (Hoke), dentate scale

ARNOTTO (see *Bixa orellana*)**ARONIA ARBUTIFOLIA** Ell. (red chokeberry)

Quadraspidotus perniciosus (Comst.), San Jose scale

ARROWROOT (see *Maranta* sp.)**ARTABOTRYS** sp. (false ylang-ylang, tail-grape)

Aspidiotus destructor Sign., coconut scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Howardia biclavis (Comst.), mining scale

ARTABOTRYS ODORATISSIMUS R. Br.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

ARTABOTRYS UNCINATUS (Lam.) Merr. (tail-grape, climbing ylang-ylang)

Aspidiotus destructor Sign., coconut scale

Ischnaspis longirostris (Sign.), black thread scale

Lepidosaphes beckii (Newman), purple scale

ARTOCARPUS sp.

Howardia biclavis (Comst.), mining scale

ARTOCARPUS ALTILIS Fosberg (breadfruit)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus destructor Sign., coconut scale

Hemiberlesia lataniae (Sign.), latania scale

ARTOCARPUS HETEROPHYLLUS Lam. (jackfruit, jackfruit)

Aspidiotus destructor Sign., coconut scale

Duplaspidiotus claviger (Ckll.), camellia mining scale

ARTOCARPUS INTEGRA Merr.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

ASCLEPIAS sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

ASCYRUM HYPERICOIDES L. (St. Andrew's cross)

Aonidomytilus hyperici Ferris, hypericum scale

ASH (see *Fraxinus* sp.)**ASH, PRICKLY** (see *Zanthoxylum* sp.)**ASH, WAFER** (see *Ptelea trifoliata*)**ASH, WHITE** (see *Fraxinus americana*)**ASIAN SHRUB** (see *Sarcococca ruscifolia*)

ASIMINA sp. (dog apple, pawpaw)

Aonidiella orientalis (Newst.), oriental scale
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale

ASIMINA INCANUS Exell.

Hemiberlesia lataniae (Sign.), latania scale
Velataspis dentata (Hoke), dentate scale

ASIMINA OBOVATA Nash

Hemiberlesia lataniae (Sign.), latania scale

ASIMINA TRILOBA (L.) Dunal (pawpaw or dog apple)

Pseudaulacaspis cockerelli (Cooley), false oleander scale

ASPARAGUS sp.

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

ASPARAGUS FALCATUS L. (sickle thorn, fern)

Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale

ASPARAGUS PLUMOSUS Baker (asparagus fern), 'PYRAMIDALIS'

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus spinosus Comst., spinose scale
Fiorinia floriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

ASPARAGUS SPRENGER (see *Asparagus sprengeri*)**ASPARAGUS SPRENGERI** Regel (sprenger asparagus)

Aonidiella orientalis (Newst.), oriental scale
Aspidiella sacchari (Ckll.), sugarcane scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Fiorinia floriniae (Targ. - Tozz.), fiorinia scale
Gymnaspis aechmeae Newst., flyspeck scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale
Velataspis dentata (Hoke), dentate scale

ASPIDISTRA sp.

Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Parlatoria proteus (Curtis), proteus scale

ASPIDISTRA ELATOR Blume (aspidistra; iron plant)

Pinnaspis aspidistrae (Sign.), fern scale

ASPLENIUM NIDUS L. (birds-nest fern)

Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale

ASPLENIUM NIDUS-AVIS Hort. (see *Asplenium nidus*)**ASSONIA** (see *Dombeya* sp.)**ATRIPLEX** sp.

Velataspis dentata (Hoke), dentate scale

ATTALEA sp.

Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale

AUCUBA sp. (golddust plant or tree)

Aspidiotus nerii Bouché, oleander scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Parlatoria pergandii Comst., chaff scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

AUCUBA JAPONICA Thunb. & Golddust (golddust plant, Japanese aucuba)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Fiorinia theae Green, tea scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

ARAUCARIA BIDWILLII Hook. (bunya-bunya)

Chrysomphalus dictyospermi (Morg.), dictyosperma scale

AURACARIA EXCELSA R. Br. (Norfolk Island pine)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

AUSTRALASIA CATCHBIRD TREE (see *Pisonia brunoniana variegata*)

AVERRHOA CARAMBOLA L. (carambola)

Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale

AVICENNIA NITIDA Jacq. (black mangrove)

Clavaspis herculeana (Doane & Hadden), herculeana scale

AVOCADO (see *Persea americana* Mill.)

AXONOPUS AFFINIS Chase (carpet-grass)

Odonaspis ruthae Kotinsky, Bermuda grass scale

AZALEA (see *Rhododendron* sp.)

BACCHARIS ANGUSTIFOLIA Michx.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

BACCHARIS HALIMIFOLIA L. (groundsel, glades myrtle)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidomytilus solidaginis (Hoke), goldenrod scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis smilacis (Comst.), smilax scale
Pinnaspis strachani (Cooley), lesser snow scale

BACCHINIA sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

BACHELORS BUTTON (see *Centaurea cyanus*)

BAELFRUIT (see *Aegle murex*)

BAHIA sp.

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

BALAKA SEEMANNII (Wendl.) Becc. (palm)

Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Ischnaspis longirostris (Sign.), black thread scale

BALSAMO, SEMINOLE (see *Psychotria undata*)

BAMBOO (see *Bambusa* sp.)
 (see *Bambusa multiplex*)

BAMBUSA sp.

Hemiberlesia lataniae (Sign.), latania scale
Kuwanaspis howardi (Cooley), bamboo white scale
Kuwanaspis pseudoleucaspis (Kuwana), bamboo diaspidid scale
Parlatoria proteus (Curtis), proteus scale

BAMBUSA MULTIPLEX (Lour.) Roeusch. (bamboo)

Odonaspis penicillata Green, penicillate scale

BANANA (see *Musa* sp.)

BANANA SHRUB (see *Michelia fuscata*)

BANYAN (see *Ficus bengalensis*)

BAOBAB (see *Adansonia digitata*)

BAQUINA (see *Pothomorphe peltata*)

BARRINGTONIA sp.

Aonidiella orientalis (Newst.), oriental scale

BASSWOOD (see *Tilia* sp.)

BATIS MARITIMA L. (pickleweed, saltwort)

Pinnaspis strachani (Cooley), lesser snow scale

BAUHINIA sp. (jupiter tree, mountain ebony, orchid-tree)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus juglansregiae (Comst.), walnut scale
Selenaspis articulatus (Morg.), rufous scale

BAUHINIA BLAKEANA Dunn. (Hongkong orchid-tree)

Pinnaspis strachani (Cooley), lesser snow scale

BAUHINIA PURPUREA L. (mountain ebony, Florida orchid-tree)

Pinnaspis strachani (Cooley), lesser snow scale

BAUHINIA VARIEGATA L. (mountain ebony, Florida orchid-tree)

Aspidiotus excisus Green, aglaonema scale

Aspidiotus spinosus Comst., spinose scale

Clavaspis herculeana (Doane & Hadden), herculeana scale

Howardia biclavis (Comst.), mining scale

Ischnaspis longirostris (Sign.), black thread scale

Pinnaspis strachani (Cooley), lesser snow scale

BAY

Aonidiella orientalis (Newst.), oriental scale (see *Persea* sp.)

Aspidiotus destructor (Sign.), coconut scale

Aspidiotus nerii (Bouché), oleander scale (see *Persea* sp.) (see *Magnolia* sp.)

Aspidiotus spinosus Comst., spinose scale (see *Persea* sp.)

Chrysomphalus aonidum (Linnaeus), Florida red scale (see *Laurus* sp.) (see *Persea* sp.)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale (see *Laurus* sp.) (see *Persea* sp.)

Hemiberlesia diffinis (Newst.), diffinis scale (see *Persea* sp.)

Hemiberlesia lataniae (Sign.), latania scale

Morganella cueroensis (Ckll.), Cuero scale (see *Persea* sp.)

Mycetaspis defectopalus Ferris, defecto scale

Neopinnaspis harperi McKenzie, Harper scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale (see *Persea* sp.)

Quadraspidotus juglansregiae (Comst.), walnut scale (see *Persea* sp.)

BAYBERRY (see *Myrica* sp.)

BAY, BULL (see *Magnolia grandiflora*)

BAY, LOBLOLLY (see *Gordonia* sp.)
(see *Gordonia lasianthus*)

BAY, RED (see *Persea* sp.)
(see *Persea borbonia*)

BAY, SHORE (see *Persea littoralis*)

BAY, SWAMP (see *Persea* sp.)
(see *Persea palustris*)

BAY, SWEET (see *Magnolia virginiana*)

BAY, SOUTHERN SWEET (see *Magnolia virginiana australis*)

BAYONET, SPANISH (see *Yucca* sp.)
(see *Yucca aloifolia*)

BEAD TREE (see *Adenanthera* sp.)

BEAN, BLACK (see *Castanospermum australe*)

BEAN, CASTER (see *Ricinus communis*)

BEARGRASS (see *Yucca* sp.)

BEAUCARNEA sp. (palm)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Lepidosaphes beckii (Newman), purple scale

BEAUCARNEA RECURVATA Lem. (bottle palm; pony-tail palm)

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Ischnaspis longirostris (Sign.), black thread scale

Parlatoria proteus (Curtis), proteus scale

BEAUTY-BERRY (see *Callicarpa americana*)

BEAUTYBUSH (see *Kolkwitzia* sp.)

BEAUTYLEAF (see *Calophyllum antillanum*)

BEECH, AMERICAN (see *Fagus grandifolia*)

BEEFWOOD (see *Casuarina stricta*)

BEEFWOOD, SCALYBARK (see *Casuarina lepidophloia*)

BEFARIA RACEMOSA Vent.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

BEGGARWEED (see *Desmodium* sp.)
(see *Desmodium tortuosum*)

BEGONIA sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

Pinnaspis aspidistrae (Sign.), fern scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

BELAMCANDA CHINENSIS (L.) DC. (blackberry lily)

Aonidiella orientalis (Newst.), oriental scale

Aspidiotus destructor Sign., coconut scale

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
- BELOPERONE GUTTATA** Brand.
Hemiberlesia lataniae (Sign.), latania scale
- BELLYACHE BUSH** (see *Jatropha* sp.)
- BENZOIN** (see *Lindera* sp.)
- BERCHEMIA SCANDENS** (Hill) K. Koch (sugar apple or rattan vine)
Hemiberlesia lataniae (Sign.), latania scale
- BERLANDIERA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- BETULA NIGRA** L. (river or red birch)
Quadraspidiotus forbesi (Johnson), Forbes scale
- BIDENS MITIS** (Michx.) Sherff (bur marigold)
Pinnaspis strachani (Cooley), lesser snow scale
- BIDENS PILOSA** L. (Spanish needle)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Radionaspis indica (Marlatt), mango scale
- BIGNONIA** sp. (see *Pyrostegia* sp.)
- BILLBERGIA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Diaspis bromeliae (Kern.), pineapple scale
Diaspis echinocacti (Bouché), cactus scale
Gynaspis aechmeae Newst., flyspeck scale
Hemiberlesia palmarum (Ckll.), tropical palm scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
- BILLBERGIA ELEGANS** Mart.
Hemiberlesia palmarum (Ckll.), tropical palm scale
- BILLBERGIA** sp. 'FANTASIA'
Gynaspis aechmeae Newst., flyspeck scale
Hemiberlesia lataniae (Sign.), latania scale
- BILLBERGIA PYRAMIDALIS** Lindl.
Diaspis boisduvalii Sign., Boisduval scale
Gynaspis aechmeae Newst., flyspeck scale
- BILLBERGIA THYRSOIDEA** Mart. (see *Billbergia pyramidalis*)
- BIRCH, RED** (see *Betula nigra*)
- BIRCH, RIVER** (see *Betula nigra*)
- BIRD-OF-PARADISE** (see *Strelitzia* sp.)
(see *Strelitzia nicolai*)
(see *Strelitzia reginae*)
- BIRDS-EYE BUSH** (see *Ochna multiflora*)
- BIRIBA** (see *Rollinia emarginata*)
- BISCHOFIA** sp. (bishopwood)
Aspidiotus destructor Sign., coconut scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- BISCHOFIA JAVANICA** Blume
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- BISHOPWOOD** (see *Bischofia* sp.)
- BITTERCRESS** (see *Cardamine debilis*)
- BITTERSWEET WEED** (see *Solanum dulcamara*)
- BIXA ORELLANA** L. (annatto, lipstick tree, arnotto)
Aspidiotus destructor Sign., coconut scale
Howardia biclavis (Comst.), mining scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- BLACK BEAD** (see *Pithecellobium guadalupense*)
- BLACKBERRY** (see *Rubus* sp.)
- BLACK-EYED SUSAN** (see *Thunbergia alata*)
- BLACKHAW** (see *Viburnum obovatum*)
- BLEEDING-HEART VINE** (see *Dicentra* sp.)
- BLETIA PURPUREA** (Lam.) DC. (pine pink)
Diaspis boisduvalii Sign., Boisduval scale
- BLIGHIA SAPIDA** Koenig. (akee nut tree)
Ischnaspis longirostris (Sign.), black thread scale
- BLUEBERRY** (see *Vaccinium* sp.)
(see *Vaccinium darrowi*)
- BLUEBILL** (see *Strobilanthes isophyllus*)
- BOEHMERIA NIVEA** Guad.
Chrysomphalus aonidum (Linnaeus), Florida red scale

- BOG-ROSEMARY** (see *Andromeda ferruginea*)
- BORASSUS FLABELLIFER** Linn.
Ischnaspis longirostris (Sign.), black thread scale
- BORRICHIA FRUTESCENS** (L.) DC.
Hemiberlesia lataniae (Sign.), latania scale
- BO-TREE** (see *Ficus religiosa*)
- BOTTLEBRUSH** (see *Callistemon* sp.)
 (see *Callistemon speciosus*)
 (see *Callistemon rigidus*)
 (see *Callistemon viminalis*)
- BOTTLEBRUSH, WILLOW** (see *Callistemon salignus*)
- BOTTLE TREE** (see *Brachychiton* sp.)
 (see *Sterculia villosa*)
- BOTTLE TREE, FLAME** (see *Brachychiton acrifolium*)
- BOUGAINVILLEA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Clavaspis herculeana (Doane & Hadden), herculeana scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- BOURRERIA** sp. (strongback)
Aspidiotus destructor Sign., coconut scale
- BOXELDER** (see *Acer negundo*)
- BOXORANGE** (see *Severinia* sp.)
 (see *Severinia buxifolia*)
- BOXORANGE, CHINESE** (see *Severinia buxifolia*)
- BOXTHORN** (see *Severinia buxifolia*)
- BOXWOOD** (see *Buxus* sp.)
- BOXWOOD, AFRICAN** (see *Myrsine africana*)
- BOXWOOD, ENGLISH** (see *Schaefferia frutescens*)
- BOXWOOD, FLORIDA** (see *Schaefferia* sp.)
- BOXWOOD, JAPANESE** (see *Buxus microphylla* var. *japonica*)
- BOYSENBERRY** (see *Rubus ursinus*)
- BRACHIARIA PLANTAGINEA** (Link) Hitchc. (signal grass)
Aspidiella sacchari (Ckll.), sugarcane scale
Odonaspis ruthae Kotinsky, Bermuda grass scale
- BRACHYCHITON** sp. (bottle tree)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- BRACHYCHITON ACERIFOLIUM** F. Muell. (flame bottle tree, flame tree)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- BRACKET PLANT** (see *Chlorophytum* sp.)
- BRASSAIA ACTINOPHYLLA** Endl.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
- BRASSAVOLA NODOSA** Lindl.
Diaspis boisduvalii Sign., Boisduval scale
- BRASSIA** sp. (orchid, spider orchid)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- BRAZILCHERRY** (see *Eugenia uniflora*)
- BRAZILIAN PEPPER TREE** (see *Schinus* sp.)
 (see *Schinus terebinthifolius*)
- BREADFRUIT** (see *Artocarpus altilis*)
 (see *Artocarpus integra*)
- BRIER, BAMBOO** (see *Smilax* sp.)
 (see *Smilax laurifolia*)
- BRIER, GREEN-** (see *Smilax* sp.)
- BRIDALWREATH** (see *Spiraea* sp.)
 (see *Spiraea prunifolia*)
- BRISBANE-BOX** (see *Tristania conferta*)
- BROMELIA** sp.
Diaspis boisduvalii Sign., Boisduval scale

- Diaspis bromeliae* (Kern.), pineapple scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia palmarum (Ckll.), tropical palm scale
- BROMELIA SERRA** Griseb.
Gymnaspis aechmeae Newst., flyspeck scale
- BROMELIAD**
Chrysomphalus aonidum (Linnaeus), Florida red scale (see *Vriesia* sp.)
Diaspis boisduvalii Sign., Boisduval scale (see *Aechmea bromeliaefolia*) (see *Aechmea chantini*) (see *Billbergia pyramidalis*) (see *Nidularium procerum*) (see *Tillandsia* sp.)
Diaspis bromeliae (Kern.), pineapple scale (see *Aechmea* sp.) (see *Bromelia* sp.) (see *Tillandsia regina*)
Gymnaspis aechmeae Newst., flyspeck scale (see *Aechmea* sp.) (see *Bromelia* sp.) (see *Guzmania* sp.) (see *Neoregelia* sp.) (see *Vriesea* sp.)
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia palmarum (Ckll.), tropical palm scale (see *Aechmea* sp.) (see *Billbergia* sp.) (see *Bromelia* sp.) (see *Vriesea gladioliflora*)
Ischnaspis longirostris (Sign.), black thread scale (see *Aechmea fulgens*) (see *Guzmania linguata*)
Parlatoria proteus (Curtis), proteus scale
- BROUGHTONIA DOMINGENSIS** Rolfe (orchid)
Parlatoria proteus (Curtis), proteus scale
- BROOM** (see *Cytisus* sp.)
- BROOMSEDGE** (see *Andropogon virginicus*)
- BROUGHTONIA SANGUINEA** R. Br. (orchid)
Diaspis boisduvalii Sign., Boisduval scale
- BROUSSONETIA PAPYRIFERA** L'Her. (mock or paper mulberry)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- BRUNFELSIA** sp. (raintree)
Aspidiotus nerii Bouché, oleander scale
Howardia biclavis (Comst.), mining scale
- BRUNFELSIA AMERICANA** L. (lady-of-the-night)
Selenaspidus articulatus (Morg.), rufous scale
- BRUSHCHERRY** (see *Eugenia* sp.)
 (see *Prunus* sp.)
- BRUSHCHERRY, AUSTRALIAN** (see *Eugenia myrtifolia*)
- BRYOPHYLLUM** (see *Kalanchoe* sp.)
- BUCIDA** sp. (black olive)
Howardia biclavis (Comst.), mining scale
- BUCIDA BUCERAS** L. (black olive)
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- BUCKTHORN** (see *Rhamnus* sp.)
- BUDDLEIA** (see *Buddleja* sp.)
- BUDDLEJA** sp. (butterfly bush)
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- BUDDLEJA LINDLEYANA** Fort., (butterfly bush)
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- BUGLE WEED** (see *Ajuga reptans*)
- BULLETWOOD** (see *Mimusops roxburghiana*)
- BULLETWOOD, KAFIR** (see *Mimusops caffra*)
- BULLOCKSHEART** (see *Annona reticulata*)
- BULRUSH** (see *Scirpus* sp.)
- BUMELIA** sp.
Parlatoria proteus (Curtis), proteus scale
- BUMELIA LANUGINOSA** (Michx.) Pers. (gumbumelia)
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- BUMELIA OBOVATA** A. DC.
Howardia biclavis (Comst.), mining scale
- BUMELIA TENAX** L. (tough bumelia)
Mycetaspis defectopalus Ferris, defecto scale
- BUNYA-BUNYA** (see *Araucaria bidwillii*)
- BURNING BUSH** (see *Euonymus* sp.)
 (see *Euonymus japonicus*)
- BURSERIA SIMARUBA** (L.) Sarg. (gumbo-limbo)
Aspidiotus destructor Sign., coconut scale
Clavaspis barbigera Ferris, barbigera scale
Clavaspis coursetiae (Marlatt), pigeon plum scale
Clavaspis herculeana (Doane & Hadden), herculeana scale

Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Howardia biclavis (Comst.), mining scale
Selenaspidus articulatus (Morg.), rufous scale

BUSHBERRY (see *Eugenia paniculata*)

BUSHY SEA-OXEYE (see *Borrhchia frutescens*)

BUTCHER'S-BROOM (see *Ruscus aculeatus*)

BUTIA sp. (butia palm)

Pinnaspis aspidistrae (Sign.), fern scale

BUTIA CAPITATA (Mart.) Becc. (butia palm, jelly palm, pindo palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Comstockiella sabalis (Comst.), palmetto scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

BUTIA YATAY (Mart.) Becc. (butia palm)

Ischnaspis longirostris (Sign.), black thread scale
Pinnaspis strachani (Cooley), lesser snow scale

BUTTERFLY BUSH (see *Buddleja* sp.)
 (see *Buddleja lindleyana*)

BUTTONBUSH (see *Cephalanthus* sp.)
 (see *Cephalanthus occidentalis*)

BUTTONWOOD (see *Conocarpus erectus*)

BUXUS sp. (boxwood)

Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria pergandii Comst., chaff scale

Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus juglansregiae (Comst.), walnut scale

BUXUS MICROPHYLLA S. & Z.

Hemiberlesia lataniae (Sign.), latania scale
Unaspis euonymi (Comst.), euonymus scale

BUXUS MICROPHYLLA S. & Z. var. *JAPONICA* Rehd. & Wils. (Japanese boxwood)

Duplaspidotus tesseratus (Grandpré & Char-moy), tesserate scale
Howardia biclavis (Comst.), mining scale

BUXUS MICROPHYLLA S. & Z. 'KOREANA'

Pseudaulacaspis cockerelli (Cooley), false oleander scale

BUXUS SEMPERVIRENS L. (English boxwood)

Pseudaulacaspis cockerelli (Cooley), false oleander scale

CACHIMAN (see *Rollinia emarginata*)

CACTUS

Aonidiella orientalis (Newst.), oriental scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Diaspis bromeliae (Kern.), pineapple scale
Diaspis echinocacti (Bouché), cactus scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Quadraspidotus juglansregiae (Comst.), walnut scale

CACTUS, BLIND PEAR (see *Opuntia rufida*)

CACTUS, CHRISTMAS (see *Zygocactus truncatus*)

CACTUS, CRAB (see *Schlumbergera bridgesi*)

CACTUS, HEDGE (see *Cereus peruvianus*)

CACTUS, LEAF (see *Epiphyllum* sp.)
 (see *Epiphyllum grandilobium*)

CACTUS, PERUVIAN (see *Cereus peruvianus*)

CACTUS, PRICKLY PEAR (see *Opuntia elata*)

CAESALPINIA sp. (dwarf poinciana)

Pinnaspis strachani (Cooley), lesser snow scale

- CAESALPINIA CORIARIA** Willd. (divi-divi)
Pinnaspis strachani (Cooley), lesser snow scale
- CAESALPINIA PULCHERRIMA** (L.) Swartz
 (dwarf poinciana)
Pinnaspis strachani (Cooley), lesser snow scale
- CAESALPINIA SAPPAN** L. (divi-divi, nickernut)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- CAESAR'S WEED** (see *Urena lobata*)
- CAFTA** (see *Catha edulis*)
- CAJAN** (see *Cajanus cajan*)
- CAJANUS CAJAN** Millsp. (pigeon-pea, cajan)
Pinnaspis strachani (Cooley), lesser snow scale
- CAJEPUT** (see *Melaleuca leucadendra*)
- CALABA** (see *Calophyllum antillanum*)
- CALABASH** (see *Crescentia cujete*)
- CALABASH, BLACK** (see *Enallagma latifolia*)
- CALADIUM** sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis boisduvalii Sign., Boisduval scale
Pinnaspis strachani (Cooley), lesser snow scale
- CALAMONDIN** (see *Citrus mitis*)
- CALANTHE** sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- CALATHEA** sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis boisduvalii Sign., Boisduval scale
- CALATHEA VANDENHECKEI** Regel
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Ischnaspis longirostris (Sign.), black thread scale
- CALATHEA ZEBRINA** Lindl. (zebra-plant)
Pinnaspis strachani (Cooley), lesser snow scale
- CALICO-BUSH** (see *Kalmia latifolia*)
- CALICO FLOWER** (see *Aristolochia elegans*)
- CALLIANDRA CALIFORNICA** Benth.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- CALLIANDRA HAEMATOCEPHALA** Hassk.
 (powderpuff tree)
Pseudoparlatoria parlatoroides (Comst.), false parlatoria scale
- CALLICARPA AMERICANA** L. (beauty-berry, French mulberry)
Andaspis hawaiiensis (Mask.), Hawaiian scale
Aspidiotus nerii Bouché, oleander scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Hemiberlesia lataniae (Sign.), latania scale
Neopinnaspis harperi McKenzie, Harper scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- CALLISTEMON** sp. (bottlebrush)
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Duplaspidotus tesseratus (Grandpré & Chermoy), tesserate scale
Fiorinia theae Green, tea scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- CALLISTEMON CITRINIS** Stapf. (bottlebrush)
Chrysomphalus aonidum (Linnaeus), Florida red scale
- CALLISTEMON METROSIDEROS** (see *Callistemon speciosus*)
- CALLISTEMON RIGIDUS** R. Br. (bottlebrush)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Fiorinia fiorinae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
- CALLISTEMON SALIGNUS** DC. (willow bottlebrush)
Aspidiotus destructor Sign., coconut scale

CALLISTEMON SPECIOSUS DC.

Chrysomphalus aonidum (Linnaeus), Florida red scale

Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale

CALLISTEMON VIMINALIS Cheel.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

CALLITRIS CUPRESSIFORMIS (see *Callitris rhomboidea*)**CALLITRIS RHOMBOIDEA** R. Br.

Hemiberlesia lataniae (Sign.), latania scale

CALLITRIS ROBUSTA R. Br. (cypress pine)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Lepidosaphes pallida (Mask.), Maskell scale

Melanaspis mimosae (Comst.), mimosa scale

CALLUNA sp. (heather)

Andaspis hawaiiensis (Mask.), Hawaiian scale

Hemiberlesia lataniae (Sign.), latania scale

Howardia biclavis (Comst.), mining scale

Pseudaonidia duplex (Ckll.), camphor scale

CALOCARPUM SAPOTA Jacq. (sapote)

Palinaspis quohogiformis (Merrill), quohog-shaped scale

CALONDENDRUM CAPENSE Thunb. (cape chestnut)

Palinaspis quohogiformis (Merrill), quohog-shaped scale

CALOPHYLLUM sp. (beauty-leaf)

Aonidiella orientalis (Newst.), oriental scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Howardia biclavis (Comst.), mining scale

CALOPHYLLUM ANTILLANUM Britt. (Brazil beauty-leaf, beauty-leaf, calaba)

Aspidiotus destructor Sign., coconut scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

CALOPHYLLUM INOPHYLLUM L. (Alexandrian-laurel, Indiapoon, Kamani, maria)

Aspidiotus destructor Sign., coconut scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

CALOTROPIS GIGANTEA (Willd.) R. Br. (milk-weed)

Pinnaspis strachani (Cooley), lesser snow scale

CALYCANTHUS sp.

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

CALYCANTHUS FLORIDUS L. (Carolina allspice)

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

CALYCOPHYLLUM CANDIDISSIMUM (Vahl.) DC. (degame calycophyllum)

Clavaspis herculeana (Doane & Hadden), herculeana scale

Hemiberlesia lataniae (Sign.), latania scale

Howardia biclavis (Comst.), mining scale

CAMELLIA (see *Camellia* sp.)**CAMELLIA** sp.

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

Hemiberlesia palmae (Ckll.), tropical palm scale

Hemiberlesia rapax (Comst.), greedy scale

Ischnaspis longirostris (Sign.), black thread scale

Palinaspis quohogiformis (Merrill), quohog-shaped scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

Pseudischnaspis bowreyi (Ckll.), Bowrey scale

Unaspis euonymi (Comst.), euonymus scale

CAMELLIA JAPONICA L., 'ADOLPHA ANDUS-SON', 'GIGANTEA' (camellia)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus nerii Bouché, oleander scale

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Duplaspidiotus claviger (Ckll.), camellia mining scale

Duplaspidiotus tesseratus (Grandpré & Char-moy), tesserate scale

Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale

Fiorinia theae Green, tea scale

Howardia biclavis (Comst.), mining scale

Lepidosaphes beckii (Newman), purple scale

Lepidosaphes camelliae Hoke, camellia scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoria camelliae Comst., camellia parlatoria scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis aspidistrae (Sign.), fern scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaonidia paeoniae (Ckll.), peony scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Quadraspidotus juglansregiae (Comst.), walnut scale
Quadraspidotus perniciosus (Comst.), San Jose scale

CAMELLIA SASANQUA Thunb.

Aspidiotus nerii Bouché, oleander scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Duplaspidotus tesseratus (Grandpré & Char-moy), tessellate scale
Fiorinia theae Green, tea scale
Howardia biclavis (Comst.), mining scale
Lepidosaphes camelliae Hoke, camellia scale
Parlatoria camelliae Comst., camellia parlatoria scale
Parlatoria proteus (Curtis), proteus scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaonidia paeoniae (Ckll.), peony scale

CAMELLIA SINENSIS (L.) Kuntze (tea, tea plant, common tea)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella citrina (Coq.), yellow scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Fiorinia theae Green, tea scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis mimosae (Comst.), mimosa scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

CAMPBOR (see *Cinnamomum* sp.) (see *Cinnamomum camphora*)

CAMPBOR PLANT (see *Heterotheca subaxillaris*)

CAMPBOR TREE (see *Cinnamomum* sp.) (see *Cinnamomum camphora*)

CAMPSIS sp. (trumpet-creeper)

Palinaspis quohogiformis (Merrill), quohog-shaped scale

CAMPSIS RADICANS (L.) Seem. (trumpet creeper)

Aspidiotus nerii Bouché, oleander scale
Hemiberlesia lataniae (Sign.), latania scale

CANANGA ODORATA Hook. f. & Thomas (ylang-ylang)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Ischnaspis longirostris (Sign.), black thread scale
Lepidosaphes beckii (Newman), purple scale

CANDLEBERRY TREE (see *Aleurites moluccana*)

CANDLENUT TREE (see *Aleurites moluccana*)

CANDLESTICK BUSH (see *Cassia alata*)

CANDLE TREE (see *Parmentiera cerifera*) (see *Parmentiera edulis*)

CANE (see *Phragmites communis*)

CANNA sp.

Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale

CANNABIS sp. (hemp, marijuana)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Pinnaspis strachani (Cooley), lesser snow scale

CAPE CHESTNUT (see *Calodendrum capense*)

CAPE HONEYSUCKLE (see *Tecomia capensis*)

CAPE JASMINE (see *Gardenia* sp.) (see *Gardenia jasminoides*)

CAPSICUM sp. (wild red pepper)

Aspidiotus spinosus Comst., spinose scale

CAPSICUM FRUTESCENS L. (red pepper)

Aspidiotus destructor Sign., coconut scale
Pinnaspis strachani (Cooley), lesser snow scale

CARAMBOLA (see *Averrhoa carambola*)

CARDAMINE DEBILIS D. Don (bittercrest)

Chrysomphalus aonidum (Linnaeus), Florida red scale

CAREX sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

CARICA PAPAYA L. (papaya)

Aspidiotus destructor Sign., coconut scale
Howardia biclavis (Comst.), mining scale
Morganella cueroensis (Ckll.), Cuero scale
Pseudoparlatoria ostreata Ckll., gray scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

CARISSA sp. (karanda, hedgethorn)

Aonidiella citrina (Coq.), yellow scale
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Lepidosaphes beckii (Newman), purple scale
Pinnaaspis strachani (Cooley), lesser snow scale

CARISSA CARANDAS L.

Hemiberlesia lataniae (Sign.), latania scale

CARISSA GRANDIFLORA A. DC. (natal plum)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella citrina (Coq.), yellow scale
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis echinocacti (Bouché), cactus scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale

CARLUDOVICA PALMATA R. & P. (Panama hat plant)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

CARNATION (see *Dianthus* sp.)**CAROB** (see *Ceratonia siliqua*)**CAROUBIER** (see *Ceratonia siliqua*)**CARRION FLOWER** (see *Stapelia* sp.)**CARYA** sp. (hickory)

Andaspis hawaiiensis (Mask.), Hawaiian scale
Chionaspis caryae Cooley, hickory scale
Diaspidiotus ancylus (Put.), Putnam scale
Diaspidiotus osborni (Newell & Ckll.), Osborn scale
Hemiberlesia diffinis (Newst.), diffinis scale
Hemiberlesia lataniae (Sing.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Howardia biclavis (Comst.), mining scale
Quadraspidotus forbesi (Johnson), Forbes scale

CARYA ILLINOENSIS Koch (pecan)

Chionaspis caryae Cooley, hickory scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspidiotus ancylus (Put.), Putnam scale
Diaspidiotus osborni (Newell & Ckll.), Osborn scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Hemiberlesia diffinis (Newst.), diffinis scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Lepidosaphes beckii (Newman), purple scale
Melanaspis obscura (Comst.), obscure scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus forbesi (Johnson), Forbes scale
Quadraspidotus juglansregiae (Comst.), walnut scale
Quadraspidotus perniciosus (Comst.), San Jose scale

CARYA TOMENTOSA Nutt. (hickory, mockernut)

Melanaspis obscura (Comst.), obscure scale
Neopinnaspis harperi (McKenzie), Harper scale

CARYOTA sp. (fishtail palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus spinosus Comst., spinose scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale

CARYOTA MITIS Lour. (fishtail palm)

Parlatoria proteus (Curtis), proteus scale

CARYOTA URENS L. (fishtail palm)

Chrysomphalus aonidum (Linnaeus), Florida red scale

CASIMIROA sp. (white sapote)

Aonidiella orientalis (Newst.), oriental scale

CASIMIROA EDULIS Llave & Lex.

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Pinnaspis strachani (Cooley), lesser snow scale

CASHEW (see *Anacardium occidentale*)**CASSAVA** (see *Manihot* sp.)**CASSENA** (see *Ilex vomitoria*)**CASSIA** sp. (golden shower tree, senna, partridge pea)

- Aonidiella orientalis* (Newst.), oriental scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Clavaspis herculeana (Doane & Hadden), herculeana scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale
Melanaspis mimosae (Comst.), mimosa scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Rhizaspidotus dearnessi (Ckll.), dearness scale

CASSIA ALATA L. (candlestick bush or ringworm cassia)

- Hemiberlesia palmae* (Ckll.), tropical palm scale

CASSIA BARK TREE (see *Cinnamomum cassia*)**CASSIA FASCICULATA** Michx. (partridge pea)

- Pinnaspis strachani* (Cooley), lesser snow scale

CASSIA FISTULA L. (golden shower tree, pudding pipe tree)

- Andaspis hawaiiensis* (Mask.), Hawaiian scale
Clavaspis herculeana (Doane & Hadden), herculeana scale
Hemiberlesia lataniae (Sign.), latania scale

CASSIA TORA L. (coffee weed)

- Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale

CASTANEA sp. (chestnut, chinquapin)

- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale
Diaspidiotus ancylus (Put.), Putnam scale
Howardia biclavis (Comst.), mining scale
Melanaspis obscura (Comst.), obscure scale

CASTANEA MOLLISSIMA Blume (Chinese chestnut)

- Diaspidiotus ancylus* (Put.), Putnam scale

CASTANOPSIS sp. (evergreen chinquapin)

- Aspidiotus spinosus* Comst., spinose scale
Hemiberlesia rapax (Comst.), greedy scale

CASTANOSPERMUM AUSTRALE Cunn. (Moreton Bay chestnut, black bean)

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale

CASTORBEAN (see *Ricinus communis*)**CASUARINA** sp. (Australian pine)

- Aonidiella orientalis* (Newst.), oriental scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis mimosae (Comst.), mimosa scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

CASUARINA CUNNINGHAMIANA Miq. (Australian pine)

- Howardia biclavis* (Comst.), mining scale

CASUARINA EQUISETIFOLIA L. (Australian pine)

- Howardia biclavis* (Comst.), mining scale

CASUARINA LEPIDOPHLOIA F.V.M. (Australian pine, scalybark beefwood)

- Aspidiotus spinosus* Comst., spinose scale

CASUARINA STRICTA Dry. (beefwood, she-oak, Australian pine)

- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale
Howardia biclavis (Comst.), mining scale

CATALPA BIGNONIOIDES Walt. (catalpa)

- Pseudaulacaspis cockerelli* (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

CATCHBIRD TREE, AUSTRALASIA (see *Pisonia brunoniana*)**CATESBAEA PARVIFLORA** Sw. (lilythorn)

- Aspidiotus destructor* Sign., coconut scale

CATHA EDULIS Forsk. (cafta, Arabian-tea, khat)

- Aonidiella citrina* (Coq.), yellow scale

- Aonidiella orientalis* (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Neopinnaspis harperi McKenzie, Harper scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- CAT'S CLAW (see *Pithecellobium* sp.)
- CATTLEYA sp. (orchid)
Diaspis boisduvalii Sign., Boisduval scale
Diaspis bromeliae (Kern.), pineapple scale
Furcaspis biformis (Ckll.), orchid scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis aliena (Newst.), alien scale
Parlatoria proteus (Curtis), proteus scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- CATTLEYA DOWIANA Batem. 'ALBA'
Diaspis echinocacti (Bouché), cactus scale
- CATTLEYA GUTTATA Lindl. 'ALBA'
Diaspis boisduvalii Sign., Boisduval scale
- CATTLEYA LABIATA Lind. (autumn orchid)
Diaspis boisduvalii Sign., Boisduval scale
- CATTLEYA X MANTINI Mant.
Diaspis boisduvalii Sign., Boisduval scale
- CATTLEYA MOSSIAE 'OLIVER LINES' (orchid)
Acutaspis perseae (Comst.), red bay scale
- CATTLEYA sp. 'ATHENA III'
Diaspis boisduvalii Sign., Boisduval scale
- CATTLEYA sp. 'MARGARET MORAN'
Diaspis boisduvalii Sign., Boisduval scale
- CECROPIA sp. (snakewood, trumpet tree, pump-wood)
Aonidiella orientalis (Newst.), oriental scale
- CEDAR (see *Cedrus* sp.)
- CEDAR, BASTARD (see *Cedrela* sp.)
- CEDAR, CIGARBOX (see *Cedrela odorata*)
- CEDAR, DEODAR (see *Cedrus deodara*)
- CEDAR, EASTERN RED (see *Juniperus virginiana*)
- CEDAR, RED (see *Juniperus virginiana*)
- CEDAR, SOUTHERN RED (see *Juniperus sili-cicola*)
- CEDAR, SPANISH (see *Cedrela odorata*)
- CEDAR, STINKING (see *Torreya taxifolia*)
- CEDAR, WHITE (see *Camaecyparis thyoides*)
- CEDAR, WEST INDIAN (see *Cedrela odorata*)
- CEDRELA sp. (bastard cedar)
Hemiberlesia lataniae (Sign.), latania scale
- CEDRELA FISSILIS Vell.
Hemiberlesia lataniae (Sign.), latania scale
- CEDRELA ODORATA L. (cigarbox, Indian west or Spanish cedar)
Chrysomphalus aonidum (Linnaeus), Florida red scale
- CEDRUS sp. (cedar)
Acutaspis morrisonorum Kosztarab, round conifer scale
Acutaspis perseae (Comst.), red bay scale
Carluaspis minima (Targ. - Tozz.), minute cypress scale
Chionaspis pinifoliae (Fitch), pine needle scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidiotus tesseratus (Grandpré & Char-moy), tesserate scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
- CEDRUS DEODARA Loud. (deodar cedar)
Acutaspis morrisonorum Kosztarab, round conifer scale
Lepidosaphes pallida (Mask.), Maskell scale
- CEIBA sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- CEIBA PENTANDRA Gaertn.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- CELOSIA CRISTATA L. (cockscomb)
Hemiberlesia lataniae (Sign.), latania scale
- CELTIS sp. (hackberry)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

- Pinnaspis strachani* (Cooley), lesser snow scale
Velataspis dentata (Hoke), dentate scale
- CELTIS LAEVIGATA** Willd. (hackberry; sugarberry)
Chionaspis americana Johnson, elm scurfy scale
Diaspidiotus ancyclus (Put.), Putnam scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidiotus forbesi (Johnson), Forbes scale
- CENCHRUS** sp. (sandruff, sandbrier)
Aspidiella sacchari (Ckll.), sugarcane scale
Odonaspis ruthae Kotinsky, Bermuda grass scale
- CENTAUREA CYANUS** L. (bachelors button, corn flower)
Pinnaspis strachani (Cooley), lesser snow scale
- CENTELLA ASIATICA** (L.) Urban
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
- CENTELLA ERECTA** (L.f.) Fern. (see *Centella asiatica*)
- CENTELLA REPANDA** (Pers.) Small (see *Centella asiatica*)
- CENTPEDE PLANT** (see *Homalocladium platycladum*)
- CENTPEDE TONGA VINE** (see *Epipremnum pinnatum*)
- CENTURY PLANT** (see *Agave* sp.)
 (see *Agave americana*)
- CEPHALANTHUS** sp. (buttonbush)
Acutaspis perseae (Comst.), red bay scale
Hemiberlesia lataniae (Sign.), latania scale
- CEPHALANTHUS OCCIDENTALIS** L. (buttonbush)
Hemiberlesia diffinis (Newst.), diffinis scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- CEPHALOCERCUS** sp.
Diaspis echinocacti (Bouché), cactus scale
- CEPHALOTAXUS** sp. (plum-yew)
Melanaspis mimosae (Comst.), mimosa scale
- CERATOLA ERICOIDES** Michx. (rosemary)
Melanaspis smilacis (Comst.), smilax scale
- CERATONIA SILIQUA** L. (carob, algaroba, karoub, caroubier, St. Johns-bread)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Pinnaspis strachani (Cooley), lesser snow scale
- CERATOZAMIA MEXICANA** Brongn. (Mexico horncone)
Parlatoria proteus (Curtis), proteus scale
- CERATOZAMIA ZARAGOZAE** Medellin-Leal (cycad)
Chrysomphalus aonidum (Linnaeus), Florida red scale
- CERCIS** sp. (redbud tree)
Aspidiotus nerii Bouché, oleander scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis tenebricosa (Comst.), gloomy scale
Pinnaspis strachani (Cooley), lesser snow scale
Velataspis dentata (Hoke), dentate scale
- CERCIS CANADENSIS** L. (judas tree, redbud)
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
- CERCIS CHINENSIS** Bunge (redbud)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- CERCIS SILIQUASTRUM** L. (judas tree)
Hemiberlesia lataniae (Sign.), latania scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
- CEREUS** sp. (cactus)
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
- CEREUS PERUVIANUS** Mill.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Diaspis echinocacti (Bouché), cactus scale
- CERIMAN** (see *Monstera deliciosa*)
- CEROPEGIA WOODII** Schlecht (string-of-pearls)
Hemiberlesia lataniae (Sign.), latania scale

CESTRUM sp. (willow-leaved jessamine, day and night-blooming jessamine)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aonidiella orientalis (Newst.), oriental scale

Aspidiotus nerii Bouché, oleander scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Duplaspidotus claviger (Ckll.), camellia mining scale

Hemiberlesia lataniae (Sign.), latania scale

Ischnaspis longirostris (Sign.), black thread scale

Melanaspis mimosae (Comst.), mimosa scale

Palinaspis quohogiformis (Merrill), quohog-shaped scale

Pseudoparlatoria ostreata Ckll., gray scale

Pseudischnaspis bowreyi (Ckll.), Bowrey scale

Selenaspis articulatus (Morg.), rufous scale

CESTRUM DIURNUM L. (day jessamine)

Pinnaspis strachani (Cooley), lesser snow scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

CESTRUM NOCTURNUM L. (night-blooming jessamine)

Pseudoparlatoria ostreata Ckll., gray scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

CHAENOMELES sp. (flowering quince)

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

CHAENOMELES JAPONICA (THUNB.) Lindl. (Japanese flowering quince)

Quadraspidotus perniciosus (Comst.), San Jose scale

CHALCAS (see *Murraya* sp.)

CHALCAS VINE (see *Murraya paniculata*)

CHALICE-VINE (see *Solandra* sp.)

CHAMAECYPARIS OBTUSA Sieb. & Zucc (Hinoki cypress)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

CHAMAECYPARIS THYOIDES (L.) B.S.P. (white cedar)

Acutaspis morrisonorum Kosztarab, round conifer scale

Acutaspis perseae (Comst.), red bay scale

CHAMAECYPARIS THYOIDES (L.) B.S.P. 'ANDELYENSIS'

Lepidosaphes pallida (Mask.), Maskell scale

CHAMAEDOREA sp. (palm)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

CHAMAEDOREA ATROVIRENS Martius

Ischnaspis longirostris (Sign.), black thread scale

CHAMAEDOREA ELEGANS Mart. (palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus destructor Sign., coconut scale

Diaspis boisduvalii Sign., Boisduval scale

Fiorinia fiorinae (Targ. - Tozz.), fiorinia scale

Ischnaspis longirostris (Sign.), black thread scale

Pinnaspis strachani (Cooley), lesser snow scale

CHAMAEDOREA ERUMPENS H. E. Moore (cane palm)

Ischnaspis longirostris (Sign.), black thread scale

Pinnaspis strachani (Cooley), lesser snow scale

CHAMAEDOREA SEIFRIZII Burnett (palm)

Ischnaspis longirostris (Sign.), black thread scale

CHAMAEROPS sp. (palm)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

CHAMAEROPS HUMILIS L. (European fan palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aonidiella orientalis (Newst.), oriental scale

Aspidiotus destructor Sign., coconut scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Comstockiella sabalis (Comst.), palmetto scale

Diaspis boisduvalii Sign., Boisduval scale

Fiorinia fiorinae (Targ. - Tozz.), fiorinia scale

Ischnaspis longirostris (Sign.), black thread scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

Selenaspis articulatus (Morg.), rufous scale

CHAMAESYCE (see *Euphorbia* sp.)

CHAMISO (see *Adenostoma* sp.)

CHASTE TREE (see *Vitex* sp.)

(see *Vitex angus-castus*)

- CHASTE TREE, FINE LEAF (see *Vitex quinata*)
- CHEILANTHES sp. (lace fern)
Pinnaspis aspidistrae (Sign.), fern scale
- CHENILLE PLANT (see *Acalypha* sp.)
- CHENOPODIUM BOTRYS L. (Jerusalem oak)
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- CHERIMOYA (see *Annona cherimola*)
- CHERRY (see *Prunus* sp.)
- CHERRY, AMERICAN LAUREL (see *Prunus caroliniana*)
- CHERRY, AUSTRALIAN BRUSH (see *Eugenia paniculata*)
- CHERRY, BARBADOS (see *Malpighia glabra*)
- CHERRY, JAMAICA (see *Muntigia calabura*)
- CHERRY, JERUSALEM (see *Solanum pseudo-capsicum*)
- CHERRY, LAUREL (see *Prunus* sp.)
(see *Prunus caroliniana*)
- CHERRY, SURINAM (see *Eugenia uniflora*)
- CHERRY, WILD (see *Prunus* sp.)
- CHESTNUT (see *Castanea* sp.)
- CHESTNUT, CHINESE (see *Castanea mallissima*)
- CHESTNUT, MORETON-BAY (see *Castanospermum australe*)
- CHICKEN GIZZARD PLANT (see *Iresine* sp.)
- CHICORY (see *Cichorium* sp.)
- CHIMONANTHUS sp. (Greek winter flower)
Pinnaspis strachani (Cooley), lesser snow scale
- CHIMONANTHUS PRAECOX Link
Chrysomphalus aonidum (Linnaeus), Florida red scale
- CHINA BALL TREE*
Aspidiotus nerii Bouché, oleander scale
- CHINABERRY (see *Melia azedarach*)
- CHINA TREE (see *Melia azedarach*)
- CHINA WOOD OIL (see *Aleurites fordii*)
- CHINESE LIVISTONA (see *Livistona chinensis*)
- CHINESE RICE PAPER PLANT (see *Tetrapanax papyriferus*)
- CHINESE SILK PLANT (see *Boehmeria nivea*)
- CHINQUAPIN (see *Castanea* sp.)
- CHINQUAPIN, EVERGREEN (see *Castanopsis* sp.)
- CHIOCOCCA PINETORUM Britt. (snowberry)
Hemiberlesia palmarum (Ckll.), tropical palm scale
- CHIONANTHUS VIRGINICUS L. (fringe tree)
Aspidiotus nerii Bouché, oleander scale
Aulacaspis rosae (Bouché), rose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- CHLORIS PETRAEA Swartz (stiffleaf chloris)
Odonaspis ruthae Kotinsky, Bermuda grass scale
- CHLOROPHYTUM sp. (bracket plant)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Pinnaspis aspidistrae (Sign.), fern scale
- CHLOROPHYTUM CAPENSE Kuntz.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- CHOKEBERRY, RED (see *Aronia arbutifolia*)
- CHRIST-THORN (see *Paliurus spina-christi*)
- CHRYSALIDOCARPUS sp.
Aspidiotus destructor Sign., coconut scale
Hemiberlesia palmarum (Ckll.), tropical palm scale
- CHRYSALIDOCARPUS LUTESCENS Wendl. (golden cane palm, butterfly-palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale

*Scientific name could not be verified.

Diaspis boisduvalii Sign., Boisduval scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

CHRYSANTHEMUM sp.

Hemiberlesia lataniae (Sign.), latania scale

CHRYSOBALANUS sp. (cocoplum)

Chrysomphalus aonidum (Linnaeus), Florida red scale
Parlatoria proteus (Curtis), proteus scale

CHRYSOPHYLLUM sp. (satinleaf)

Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale

CHRYSOPHYLLUM CAINITO L. (star-apple)

Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale

CHRYSOPHYLLUM OLIVIFORME L. (satinleaf)

Howardia biclavis (Comst.), mining scale

CICHORIUM sp. (chicory)

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

CIGAR FLOWER (see *Cuphea* sp.)**CIGARETTE PLANT** (see *Cuphea* sp.)**CINNAMON** (see *Cinnamomum* sp.)
(see *Cinnamomum zeylanicum*)**CINNAMOMUM** sp. (camphor, cinnamon)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus nerii Bouché, oleander scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

CINNAMOMUM CAMPHORA (L.) Nees & Eberm. (camphor)

Acutaspis perseae (Comst.), red bay scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale

CINNAMOMUM CASSIA Nees & Eberm. (cassia bark tree)

Aspidiotus destructor Sign., coconut scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Pinnaspis strachani (Cooley), lesser snow scale

CINNAMOMUM JAPONICA Sieb.

Chrysomphalus aonidum (Linnaeus), Florida red scale

CINNAMOMUM ZEYLANICUM Blume (cinnamon)

Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale

CISSUS sp. (marine ivy)

Pinnaspis strachani (Cooley), lesser snow scale

CISSUS QUADRANGULARIS L. (winged tree-bine)

Pinnaspis strachani (Cooley), lesser snow scale

CITHAREXYLUM sp. (fiddlewood)

Chrysomphalus aonidum (Linnaeus), Florida red scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale

CITRANGE, CARRIZO (see *Poncirus trifoliata* x *Citrus sinensis*)**CITRON** (see *Citrus medica*)
(see *Citrullus vulgaris*)**CITRULLUS VULGARIS** Schrad. (citron, watermelon)

Lepidosaphes beckii (Newman), purple scale

CITRUS sp.

Aonidiella citrina (Coq.), yellow scale
Ischnaspis longirostris (Sign.), black thread scale
Selenaspis articulatus (Morg.), rufous scale

CITRUS AURANTIFOLIA (Swingle) Christm. (lime, Key lime)

Aonidiella citrina (Coq.), yellow scale
Aspidiotus excisus Green, aglaonema scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Lepidosaphes beckii (Newman), purple scale
Lepidosaphes gloverii (Pack.), Glover scale
Lepidosaphes pallida (Mask.), Maskell scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale

CITRUS AURANTIFOLIA (Christm.) Swingle X **FORTUNELLA** sp. (limequat)

Unaspis citri (Comst.), citrus snow scale

CITRUS AURANTIUM L. (sour orange)

Aonidiella citrina (Coq.), yellow scale
Aspidiella sacchari (Ckll.), sugarcane scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Lepidosaphes beckii (Newman), purple scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis aspidistrae (Sign.), fern scale
Pseudaonidia duplex (Ckll.), camphor scale
Unaspis citri (Comst.), citrus snow scale

CITRUS GRANDIS Osbeck (shaddock)

Pinnaspis strachani (Cooley), lesser snow scale

CITRUS JAMBHIRI Lush.

Howardia biclavis (Comst.), mining scale

CITRUS JAPONICA Swingle (see *Fortunella japonica*)**CITRUS LIMON** Burm. f. (lemon), 'BEARSS' (Bearss lemon), 'MEYER' (Meyer lemon)

Aonidiella aurantii (Mask.), California red scale
Aonidiella citrina (Coq.), yellow scale
Aspidiotus destructor Green, aglaonema scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale
Lepidosaphes beckii (Newman), purple scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria pergandii Comst., chaff scale
Unaspis citri (Comst.), citrus snow scale

CITRUS LIMONIA Osbeck (rangpur lime)

Unaspis citri (Comst.), citrus snow scale

CITRUS MEDICA L. (citron)

Aonidiella citrina (Coq.), yellow scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria pergandii Comst., chaff scale

CITRUS MITIS Blanco (calamondin)

Aonidiella citrina (Coq.), yellow scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Fiorinia theae Green, tea scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Unaspis citri (Comst.), citrus snow scale

CITRUS PARADISI Macf. (grapefruit)

Aonidiella aurantii (Mask.), California red scale
Aonidiella citrina (Coq.), yellow scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Fiorinia theae Green, tea scale
Lepidosaphes beckii (Newman), purple scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis aspidistrae (Sign.), fern scale
Pseudaonidia duplex (Ckll.), camphor scale
Quadraspidotus perniciosus (Comst.), San Jose scale
Unaspis citri (Comst.), citrus snow scale

CITRUS RETICULATA Blanco (tangerine), 'DANCY' (Dancy tangerine), 'PONKAN' (mandarin orange), 'UNSHIU' (satsuma)

Aonidiella citrina (Coq.), yellow scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Fiorinia theae Green, tea scale
Lepidosaphes beckii (Newman), purple scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pseudaonidia duplex (Ckll.), camphor scale
Unaspis citri (Comst.), citrus snow scale

CITRUS RETICULATA Blanco X **C. PARADISI** Macf. (tangelo), 'MINNEOLA,' 'ORLANDO,' 'PAGE'

Aonidiella citrina (Coq.), yellow scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Unaspis citri (Comst.), citrus snow scale

CITRUS RETICULATA Blanco X **C. SINENSIS** (L.) Osbeck (tangor), 'TEMPLE' (temple orange), 'MURCOTT'

Aonidiella citrina (Coq.), yellow scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Unaspis citri (Comst.), citrus snow scale

CITRUS SINENSIS Osbeck (sweet orange)

Aonidiella aurantii (Mask.), California red scale
Aonidiella citrina (Coq.), yellow scale
Aspidiotus excisus Green, aglaonema scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Howardia biclavis (Comst.), mining scale
Lepidosaphes beckii (Newman), purple scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Unaspis citri (Comst.), citrus snow scale

CITRUS SINENSIS (L.) Osbeck 'JAFFA' (Jaffa orange)

Aonidiella aurantii (Mask.), California red scale

CITRUS SINENSIS (L.) Osbeck X **PONCIRUS TRIFOLIATA** Raf. 'CARRIZO' (citrangle)

Unaspis citri (Comst.), citrus snow scale

CLADIUM JAMAICENSIS Crantz (sawgrass)

Aspidiotus marisci Tippins & Beshear, sawgrass scale

CLAUSENA LANSIUM (Lour.) Skeels (wampee)

Ischnaspis longirostris (Sign.), black thread scale

CLEMATIS sp. (virgins-bower)

Aonidiella citrina (Coq.), yellow scale

CLEMATIS VITALBA L. (oldman's beard)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

CLERODENDRUM sp.

Hemiberlesia lataniae (Sign.), latania scale

CLERODENDRONE INERME Gaertn.

Aspidiotus excisus Green, aglaonema scale

CLEYERA JAPONICA (L.) Thunb. (sakaki)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Howardia biclavis (Comst.), mining scale

Lepidosaphes beckii (Newman), purple scale

Lepidosaphes camelliae Hoke, camellia scale

Melanaspis mimosae (Comst.), mimosa scale

Quadraspidotus forbesi (Johnson), Forbes scale

Pseudaonidia duplex (Ckll.), camphor scale

CLITORIA sp. (butterfly pea)

Pinnaspis strachani (Cooley), lesser snow scale

CLITORIA AMAZONUM Mart.

Hemiberlesia lataniae (Sign.), latania scale

CLOCK-VINE (see *Thunbergia* sp.)

(see *Thunbergia grandiflora*)

CLOVER, MEXICAN (see *Richardia brasiliensis*)

CLOVER, PRAIRIE (see *Petalostemon feayi*)

COCCOLOBA DIVERSIFOLIA Jacq. (pigeon sea-grape)

Aspidiotus nerii Bouché, oleander scale

Clavaspis coursetiae (Marlatt), pigeon plum scale

Duplaspidotus tesseratus (Grandpré & Char-moy), tessellate scale

Hemiberlesia lataniae (Sign.), latania scale

Melanaspis coccolobae Ferris, seagrape scale

COCCOLOBA FLORIDANA Meiss. (pigeon plum)
 (see *Coccoloba diversifolia*)

COCCOLOBA UVIFERA L. (seagrape)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus nerii Bouché, oleander scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

Melanaspis coccolobae Ferris, seagrape scale

Mycetaspis personata (Comst.), masked scale

Pseudischnaspis bowreyi (Ckll.), Bowrey scale

COCCOTHRINAX sp. (palm)

Parlatoria proteus (Curtis), proteus scale

COCOTHORINAX ALTA (Cook) Becc. (seamerry palm)

Ischnaspis longirostris (Sign.), black thread scale

COCOTHORINAX ARGENTATA (Jacq.) Bailey (palm)

Aspidiotus destructor Sign., coconut scale

Hemiberlesia lataniae (Sign.), latania scale

COCULUS sp. (snailseed)

Aonidiella aurantii (Mask.), California red scale
Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale
Melanaspis mimosae (Comst.), mimosa scale
Parlatoria proteus (Curtis), proteus scale
Pseudaonidia duplex (Ckll.), camphor scale

COCULUS LAURIFOLIUS DC. (Chinese moonseed, snailseed, snail shield)

Aonidiella aurantii (Mask.), California red scale
Aonidiella orientalis (Newst.), oriental scale
Pinnaspis strachani (Cooley), lesser snow scale

COCHLOSPERMUM sp. (shellseed)

Pinnaspis strachani (Cooley), lesser snow scale

COCHLOSPERMUM VITIFOLIUM Spreng (yellowsilk shellseed)

Aspidiotus destructor Sign., coconut scale

COCKSCOMB (see *Celosia cristata*)

COCKSPUR (see *Erythrina carnea*)
(see *Erythrina cristagalli*)

COCONUT (see *Cocos nucifera*)

COCOS sp. (coconut palm)

Aspidiotus spinosus Comst., spinose scale
Parlatoria pergandii Comst., chaff scale

COCOS AUSTRALIS Marg. (see *Butia capitata*)

COCOS NUCIFERA L. (coconut palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus excisus Green, aglaonema scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Comstockiella sabalis (Comst.), palmetto scale
Diaspis boisduvalii Sign., Boisduval scale

Fiorinia fiorinae (Targ. - Tozz.), fiorinia scale

Hemiberlesia lataniae (Sign.), latania scale

Hemiberlesia rapax (Comst.), greedy scale

Ischnaspis longirostris (Sign.), black thread scale

Parlatoria proteus (Curtis), proteus scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

Selenaspis articulatus (Morg.), rufous scale

COCOS NUCIFERA L. 'GOLDEN MALAYAN' (dwarf coconut)

Aspidiotus destructor Sign., coconut scale

CODIAEUM sp. (croton)

Aonidiella orientalis (Newst.), oriental scale

Aspidiotus destructor Sign., coconut scale

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Hemiberlesia lataniae (Sign.), latania scale

Lepidosaphes beekii (Newman), purple scale

Palinaspis quohogiformis (Merrill), quohog-shaped scale

Pinnaspis aspidistrae (Sign.), fern scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis major (Ckll.), lychee bark scale

Pseudischnaspis bowreyi (Ckll.), Bowrey scale

CODIAEUM VARIEGATUM Blume (croton)

Parlatoria crotonis Douglas, croton parlatoria scale

Parlatoria pergandii Comst., chaff scale

Parlatoria proteus (Curtis), proteus scale

Selenaspis articulatus (Morg.), rufous scale

COELOGYNE CORRUGATA Wight (orchid)

Lopholeucaspis cockerelli (Grandpré & Charmoy), Cockerell scale

COFFEA sp. (coffee)

Duplaspidiotus claviger (Ckll.), camellia mining scale

Ischnaspis longirostris (Sign.), black thread scale

COFFEA ARABICA L. (Arabian coffee, common coffee)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

COFFEE (see *Coffea* sp.)

COFFEE, ARABIAN (see *Coffea arabica*)

- COFFEE, COMMON (see *Coffea arabica*)
- COFFEE WEED (see *Cassia lora*)
- COFFEE, WILD (see *Colubrina arborescens*)
(see *Psychotria sulzneri*)
(see *Psychotria undata*)
- COLEUS sp.
Pseudoparlatoria parlatorioides (Comst.), false
parlatoria scale
- COLLINIA ELEGANS Liebm. (see *Chamaedorea
elegans*)
- COLOCASIA sp. (elephant's ear, taro eddo,
dasheen)
Acutaspis perseae (Comst.), red bay scale
Chrysomphalus aonidum (Linnaeus), Florida red
scale
Chrysomphalus dictyospermi (Morg.), dictyosper-
mum scale
Ischnaspis longirostris (Sign.), black thread scale
Pinnaspis strachani (Cooley), lesser snow scale
- COLOCASIA ESCULENTA Schott.
Chrysomphasum aonidum (Linnaeus), Florida
red scale
- COLUBRINA ARBORESCENS (Mill.) Sarg. (wild
coffee)
Pinnaspis strachani (Cooley), lesser snow scale
- COLUBRINA CUBENSIS Jacq. (Cuba colubrina)
Praecocaspis diversa Ferris, diverse scale
- COMBRETUM ERYTHROPHYLLUM Sond.
Aspidiotus destructor Sign., coconut scale
- COMBRETUM FRUTICOSUM Stuntz.
Ischnaspis longirostris (Sign.), black thread scale
- COMPTIE (see *Zamia integrifolia* Ait.)
- CONEHEAD (see *Strobilanthea* sp.)
- CONFEDERATE ROSE (see *Hibiscus mutabilis*)
- CONOCARPUS ERECTUS L. (buttonwood)
Clavaspis coursetiae (Marlatt), pigeon plum scale
- COONTIE (see *Zamia floridana*)
- COONTIE "FERN" (see *Zamia floridana*)
- COPERNICIA ALBA Marong (palm)
Ischnaspis longirostris (Sign.), black thread scale
- COPERNICIA BURRETIANA Leon. (palm)
Ischnaspis longirostris (Sign.), black thread scale
- COPERNICIA GLABRESCENS H. Wendland
(petticoat palm)
Aonidiella orientalis (Newst.), oriental scale
- COPERNICIA HOSPITA Mart. (palm)
Ischnaspis longirostris (Sign.), black thread scale
- COPERNICIA MACROGLOSSA H. Wendl. &
Becc.
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red
scale
- COPPER LEAF (see *Acalypha* sp.)
(see *Acalypha wilkesiana*)
- CORAL BEAN (see *Erythrina* sp.)
- CORAL BERRY (see *Symphoricarpos* sp.)
(see *Symphoricarpos orbiculatus*)
- CORAL PLANT (see *Jatropha* sp.)
(see *Ruellia* sp.)
- CORAL PLANT NETTLESPURGE (see *Jatropha
multifida*)
- CORAL TREE (see *Erythrina herbacea*)
- CORAL VINE (see *Antigonon leptopus*)
- CORDIA OBLIQUA Willd. (cordia)
Pinnaspis strachani (Cooley), lesser snow scale
- CORDIA SEBESTENA L. (geiger-tree)
Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
- CORDYLINE sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum
scale
Chrysomphalus aonidum (Linnaeus), Florida red
scale
- CORDYLINE AUSTRALIS (Forst. f.) Hook. f.
Pseudaulacaspis cockerelli (Cooley), false oleander
scale
- CORDYLINE TERMINALIS Kunth
Hemiberlesia lataniae (Sign.), latania scale
- CORETHROGYNE (cottonaster)
Hemiberlesia lataniae (Sign.), latania scale

CORK TREE (see *Phellodendron* sp.)

CORN FLOWER (see *Centaurea cyanus*)

CORNUS sp. (dogwood)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus nerii Bouché, oleander scale

Aspidiotus spinosus Comst., spinose scale

Fiorinia theae Green, tea scale

Hemiberlesia lataniae (Sign.), latania scale

Lepidosaphes beckii (Newman), purple scale

Neopinnaspis harperi McKenzie, Harper scale

Velataspis dentata (Hoke), dentate scale

CORNUS FLORIDA L. (flowering dogwood)

Diaspidiotus ancyclus (Put.), Putnam scale

Duplaspidiotus claviger (Ckll.), camellia mining scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

Quadraspidotus forbesi (Johnson), Forbes scale

Quadraspidotus juglansregiae (Comst.), walnut scale

CORYPHA UMBRACULIFERA L. (palm)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

COSTUS sp.

Chrysomphalus aonidum (Linnaeus), Florida red scale

COTINUS sp. (smoke tree)

Hemiberlesia lataniae (Sign.), latania scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

COTONEASTER sp.

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Hemiberlesia lataniae (Sign.), latania scale

Palinaspis quohogiformis (Merrill), quohog-shaped scale

Pseudaonidia duplex (Ckll.), camphor scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

Quadraspidotus juglansregiae (Comst.), walnut scale

Quadraspidotus perniciosus (Comst.), San Jose scale

COTTON (see *Gossypium* sp.)

COTTON, UPLAND (see *Gossypium hirsutum*)

COTTON, WILD (see *Gossypium hirsutum*)

*Authority for genus and species could not be found.

COTTON TREE, SILK (see *Ceiba penyandra*)

COTTONASTER (see *Corethrogyne* sp.)

COTTONWEED (see *Urena lobata*)

COWBERRY (see *Vaccinium* sp.)

CRANBERRY (see *Vaccinium* sp.)

CRAPE-JASMINE (see *Ervatamia coronaria*)

CRAPE-MYRTLE (see *Lagerstroemia* sp.)
(see *Lagerstroemia indica*)

CRAPE-MYRTLE, QUEEN (see *Lagerstroemia speciosa*)

CRASSULA sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Hemiberlesia lataniae (Sign.), latania scale

Pinnaspis strachani (Cooley), lesser snow scale

CRASSULA ARGENTEA Thunb. (jade plant)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

CRATAEGUS sp. (haw, hawthorn)

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

Quadraspidotus juglansregiae (Comst.), walnut scale

Quadraspidotus perniciosus (Comst.), San Jose scale

CRESCENTIA CUJETE L. (calabash)

Aspidiotus destructor Sign., coconut scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

CROCKEA MICROSEPALA* (see *Hypericum microsepalum*)

CROSS-VINE (see *Bignonia capreolata*)

CROTALARIA sp.

Chrysomphalus aonidum (Linnaeus), Florida red scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

CROTALARIA MUCRONATA Desv. (rattle-box)

Pinnaspis strachani (Cooley), lesser snow scale

- CROTALARIA SPECTABILIS** Roth (rattle-box)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- CROTON** (see *Codiaeum* sp.)
 (see *Codiaeum variegatum*)
- CROTON** sp.
Howardia biclavis (Comst.), mining scale
- CROTON ARENICOLA** Small
Hemiberlesia lataniae (Sign.), latania scale
- CROTON, GARDEN** (see *Codiaeum* sp.)
- CROWN-OF-THORNS** (see *Euphorbia milii*)
- CRYPTANTHUS** sp.
Diaspis boisduvalii Sign., Boisduval scale
Gymnaspis aechmeae Newst., flyspeck scale
- CRYPTBERGIA RUBRA***
Diaspis boisduvalii Sign., Boisduval scale
Gymnaspis aechmeae Newst., flyspeck scale
Hemiberlesia palmarum (Ckll.), tropical palm scale
Parlatoria proteus (Curtis), proteus scale
- CRYPTOMERIA** sp.
Lepidosaphes pallida (Mask.), Maskell scale
- CRYPTOMERIA JAPONICA** D. Don
Carulaspis minima (Targ. - Tozz.), minute cypress scale
- CTENANTHE KUMMERIANA** Eichl.
Diaspis boisduvalii Sign., Boisduval scale
- CTENANTHE OPPENHEIMIANA** Schum.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Gymnaspis aechmeae Newst., flyspeck scale
- CUCURBITA PEPO** L. (field pumpkin)
Lepidosaphes beckii (Newman), purple scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- CUNNINGHAMIA** sp.
Aspidiotus spinosus Comst., spinose scale
- CUPHEA** sp. (cigarflower, cigarette plant)
Howardia biclavis (Comst.), mining scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
- CUPHEA HYSSOPIFOLIA** HBK. (elfin herb)
Pinnaspis strachani (Cooley), lesser snow scale
- CUPHEA IGNEA** A. DC.
Hemiberlesia lataniae (Sign.), latania scale
- CUPHEA PETIOLATA** L. Koehne (waxweed)
Howardia biclavis (Comst.), mining scale
- CUPRESSUS** sp. (cypress)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- CUPRESSUS ARIZONICA** Greene (Arizona cypress)
Acutaspis perseae (Comst.), red bay scale
Carulaspis minima (Targ. - Tozz.), minute cypress scale
- CUPRESSUS SEMPERVIRENS** L. (Italian cypress)
Acutaspis perseae (Comst.), red bay scale
Carulaspis minima (Targ. - Tozz.), minute cypress scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes camelliae Hoke, camellia scale
Lepidosaphes gloverii (Pack.), Glover scale
Lepidosaphes pallida (Mask.), Maskell scale
- CURCAS BEAN** (see *Jatropha* sp.)
- CURRENT, INDIAN** (see *Symphoricarpos orbiculatus*)
- CURRENTS** (see *Ribes* sp.)
- CYCAD** (see *Cycas* sp.)
 (see *Cycas circinalis*)
 (see *Cycas media*)
 (see *Cycas revoluta*)
 (see *Ceratozamia zaragozae*)
- CYCAS** sp. (cycad)
Aonidiella aurantii (Mask.), California red scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- CYCAS CIRCINALIS** Linn. (cycad, queen sago palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale

*Authority for genus and species could not be found.

- Parlatoria proteus* (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- CYCAS MEDIA** R. Br. (cycad)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pinnaspis aspidistrae (Sign.), fern scale
- CYCAS REVOLUTA** Thunb. (cycad, sago palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Acutaspis perseae (Comst.), red bay scale
Aonidiella aurantii (Mask.), California red scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Velataspis dentata (Hoke), dentate scale
- CYCNOCHES CHOLORCHILON** Klotzsch (orchid)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- CYDONIA OBLONGA** Mill.
Hemiberlesia lataniae (Sign.), latania scale
- CYMBIDIUM** sp. (orchid)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Lepidosaphes machili (Mask.), cymbidium scale
Parlatoria proteus (Curtis), proteus scale
- CYMBOPETALUM** sp.
Pinnaspis strachani (Cooley), lesser snow scale
- CYMBOPOGON CITRATUS** (DC.) Stapf. (lemon grass)
Odonaspis ruthae Kotinsky, Bermuda grass scale
- CYNODON DACTYLON** L. (Bermuda grass)
Aspidiella sacchari (Ckll.), sugarcane scale
Odonaspis ruthae Kotinsky, Bermuda grass scale
- CYPERUS** sp. (galingale)
Aspidiella sacchari (Ckll.), sugarcane scale
Aspidiotus destructor Sign., coconut scale
- CYPERUS ALTERNIFOLIUS** L. (umbrella plant)
Aspidiella sacchari (Ckll.), sugarcane scale
- CYPERUS ESCULENTUS** L. (chufa nut grass)
Aspidiella sacchari (Ckll.), sugarcane scale
- CYPERUS PAPYRUS** L. (papyrus)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- CYPRESS, ARIZONA** (see *Cupressus arizonica*)
- CYPRESS, BALD** (see *Taxodium* sp.)
 (see *Taxodium distichum*)
- CYPRESS, HINOKI** (see *Chamaecyparis obtusa*)
- CYPRESS, ITALIAN** (see *Cupressus sempervirens*)
- CYPRESS, MEDITERRANEAN** (see *Cupressus sempervirens*)
- CYPRESS-PINE** (see *Callitris robusta*)
- CYRILLA RACEMIFLORA** L. (white titi)
Acutaspis perseae (Comst.), red bay scale
- CYRTOMIUM FALCATUM** Presl (house holly fern)
Pinnaspis aspidistrae (Sign.), fern scale
- CYRTOPODIUM PARANAENSIS** Schlechter
Chrysomphalus aonidum (Linnaeus), Florida red scale
- CYRTOPODIUM PUNCTATUM** (L.) Lindl. (cow-horn orchid)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis boisduvalii Sign., Boisduval scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

- CYTISUS SCOPARIUS** (L.) Link (scotch broom)
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- DAEDALACANTHUS** (see *Eranthemum* sp.)
 (see *Eranthemum album*)
- DAHOON** (see *Ilex cassine*)
- DAISY** (see *Gerbera* sp.)
- DAISY, GERBERA** (see *Gerbera* sp.)
- DAISY, TRANSVAAL** (see *Gerbera jamesonii*)
- DAPHNE** sp.
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- DAPHNIPHYLLUM HUMILE** Maxim.
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- DASHEEN** (see *Colocasia* sp.)
- DATURA** sp.
Hemiberlesia lataniae (Sign.), latania scale
- DAVALLIA FEJEENSIS** Hook. (rabbit foot fern)
Pinnaspis aspidistrae (Sign.), fern scale
- DECUMARIA BARBARA** L.
Morganella cueroensis (Ckll.), Cuero scale
- DEERBERRY** (see *Polycodium floridanum*)
- DEER'S TONGUE** (see *Trilisa odoratissima*)
- DELONIX REGIA** Raf. (royal poinciana, peacock-flower, flamboyant)
Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale
- DELOSTOMA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- DELOSTOMA ROSEUM** K. Schum.
Hemiberlesia lataniae (Sign.), latania scale
- DENDROBIUM** sp. (orchid)
Andaspis mackieana (McKenzie), Mackie scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- Lepidosaphes machili* (Mask.), cymbidium scale
Parlatoria proteus (Curtis), proteus scale
- DESMODIUM TORTUOSUM** DC. (beggarweed)
Pinnaspis strachani (Cooley), lesser snow scale
- DEUTZIA SCABRA** Thunb. (deutzia)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- DEVILWOOD** (see *Osmanthus americanus*)
- DEWBERRY** (see *Rubus* sp.)
- DEWDROP, GOLDEN** (see *Duranta* sp.)
 (see *Duranta repens*)
- DIANELLA, TASMANIAN** (see *Dianella tasmanica*)
- DIANELLA TASMANICA** Hook. f. (Tasmanian dianella)
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- DIANTHUS** sp. (carnation)
Aonidiella orientalis (Newst.), oriental scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- DIANTHUS CARYOPHYLLUS** L.
Hemiberlesia lataniae (Sign.), latania scale
- DICENTRA** sp. (bleeding heart)
Hemiberlesia lataniae (Sign.), latania scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- DICKSONIA ANTARCTICA** LaBill. (fern)
Pinnaspis aspidistrae (Sign.), fern scale
- DICTYOSPERMA** sp. (princess palm; feather palm)
Aspidiotus destructor Sign., coconut scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Pinnaspis strachani (Cooley), lesser snow scale
- DICTYOSPERMA ALBUM** (Bory) Wendl. & Drude (common princess palm)
Chrysomphalus aonidum (Linnaeus), Florida red scale

- Fiorinia fioriniae* (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
- DICTYOSPERMA ALBUM** (Bory) Wendl. & Drude 'RUBRUM'
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
- DIEFFENBACHIA** sp.
Aspidiotus excisus Green, aglaonema scale
- DIERVILLA** sp. (bush honeysuckle)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Quadraspidotus juglansregiae (Comst.), walnut scale
- DIGITARIA DECUMBENS** Stent. (pangola grass)
Odonaspis saccharicaulis (Zehntner), paragrass scale
- DIGITARIA SANGUINALIS** (L.) Scop. (hairy crab grass)
Aspidiella sacchari (Ckll.), sugarcane scale
Odonaspis ruthae Kotinsky, Bermuda grass scale
- DILLENIA** sp. (India dillenia, catmon dillenia)
Aspidiotus spinosus Comst., spinose scale
- DILLENIA, CATMON** (see *Dillenia* sp.)
- DILLENIA, INDIA** (see *Dillenia* sp.)
 (see *Dillenia indica*)
- DILLENIA INDICA** L. (dillenia)
Aspidiotus destructor Sign., coconut scale
- DIOON EDULE** Lindl.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- DIOSCOREA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- DIOSPYROS** sp. (wild persimmon, persimmon)
Andaspis hawaiiensis (Mask.), Hawaiian scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspidiotus ancyclus (Put.), Putnam scale
Hemiberlesia rapax (Comst.), greedy scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale
- Pseudaulacaspis cockerelli* (Cooley), false oleander scale
Quadraspidotus juglansregiae (Comst.), walnut scale
Quadraspidotus perniciosus (Comst.), San Jose scale
- DIOSPYROS KAKI** L. f. (Japanese persimmon)
Hemiberlesia rapax (Comst.), greedy scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- DIOSPYROS LOTUS** L. (date-plum persimmon)
Howardia biclavis (Comst.), mining scale
- DIOSPYROS VIRGINIANA** L. (persimmon)
Hemiberlesia diffinis (Newst.), diffinis scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- DISTICHLIS** sp. (saltgrass)
Circulaspis fistulella Ferris, saltgrass scale
Haliaspis spartinae (Comst.), cord grass scale
- DIVI-DIVI** (see *Caesalpinia coriaria*)
 (see *Caesalpinia sappan*)
- DIZYGOTHECA ELEGANTISSIMA** Vig. & Guill. (false aralia)
Chrysomphalus aonidum (Linnaeus), Florida red scale
- DODONAEA** sp.
Pinnaspis aspidistrae (Sign.), fern scale
- DOG-FENNEL** (see *Eupatorium* sp.)
 (see *Eupatorium capillifolium*)
 (see *Eupatorium compositifolium*)
- DOGWOOD** (see *Cornus* sp.)
- DOGWOOD, FLOWERING** (see *Cornus florida*)
- DOGWOOD, JAMAICA** (see *Piscadia piscipula*)
- DOLICHANDRONE HETEROPHYLLA** F. Muell. (see *Spathodea heterophylla*)
- DOMBEYA** sp. (assonia)
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale

- DORYANTHES PALMERI** W. Hill (spear lily)
Melanaspis mimosae (Comst.), mimosa scale
- DOVE-FLOWER** (see *Peristeria elata*)
- DOVYALIS CAFFRA** Warb. (kei-apple)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Lepidosaphes beckii (Newman), purple scale
Pinnaspis stachani (Cooley), lesser snow scale
- DOVYALIS HEBECARPA** Warb. (Ceylon gooseberry)
Pseudaulacaspis major (Ckll.), lychee bark scale
- DRACAENA** sp. (dracena)
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
- DRACAENA DRACO** L. (dragon tree)
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- DRACAENA MARGINATA** Lam.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- DRAGONHEAD, FALSE** (see *Physostegia* sp.)
- DRAGON TREE** (see *Dracaena draco*)
- DURANTA** sp. (golden dewdrop)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Howardia biclavis (Comst.), mining scale
- DURANTA REPENS** L. (golden dewdrop)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidotus claviger (Ckll.), camellia mining scale
- DUTCHMAN'S PIPE** (see *Aristolochia* sp.)
- DWARF POWDER FLASK FRUIT** (see *Aeglopsis chevalieri*)
- DYPSIS** sp. (palm)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- EASTER EGG TREE** (see *Ochrosia elliptica*)
- EARPOD TREE** (see *Enterolobium cyclocarpum*)
- EAR TREE** (see *Acacia auriculaeformis*)
- EBONY APES ERRING** (see *Pithecellobium flexicaule*)
- EBONY, MOUNTAIN** (see *Bauhinia* sp.)
- ECHEVERIA** sp.
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale
- ECHINOPSIS** sp. (cactus)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- EDDO** (see *Colocasia* sp.)
- EDGEWORTHIA GARDNERI** Meissn. (paper bush)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Lepidosaphes beckii (Newman), purple scale
- EDGEWORTHIA PAPYRIFERA TOMENTOSA** (see *Edgeworthia gardneri*)
- EGGFRUIT** (see *Pouteria campechiana*)
- EHRETIA ACUMINATA** R. Br.
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- EHRETIA LAEVIS** Roxb. (smooth ehretia)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Pinnaspis strachani (Cooley), lesser snow scale
- ELAEAGNUS** (see *Elaeagnus pungens*)
- ELAEAGNUS** sp. (oleaster, Russian olive)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia rapax (Comst.), greedy scale

- Parlatoria proteus* (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus juglansregiae (Comst.), walnut scale
Quadraspidotus perniciosus (Comst.), San Jose scale
- ELAEAGNUS FRUITLANDI** Berck. (elaeanus)
Aonidiella aurantii (Mask.), California red scale
Lepidosaphes beckii (Newman), purple scale
- ELAEAGNUS MACROPHYLLA** Thunb.
Howardia biclavis (Comst.), mining scale
- ELAEAGNUS PUNGENS** Thunb. (silver thorn elaeagnus), 'AUREA' (yellow-edge thorny elaeagnus)
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus nerii Bouché, oleander scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Lepidosaphes gloverii (Pack.), Glover scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- ELAEIS GUINEENSIS** Jacq. (African oil palm)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
- ELAEODENDRON QUADRANGULATUM** Reiss.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- ELDER** (see *Sambucus* sp.)
- ELDERBERRY** (see *Sambucus* sp.)
 (see *Sambucus simpsonii*)
- ELDER, FLORIDA** (see *Sambucus simpsonii*)
- ELDER, YELLOW** (see *Stenolobium* sp.)
- ELFIN HERB** (see *Cuphea hyssopifolia*)
- ELEPHANT'S EAR** (see *Alocasia* sp.)
 (see *Colocasia* sp.)
- ELEPHANTOPUS MOLLIS** H.B.K.
Aspidiotus excisus Green, aglaonema scale
- ELEUSINE** sp.
Haliaspis asymmetrica Ferris, asymmetric scale
- ELEUSINE INDICA** (L.) Gaertn. (goosegrass, wire grass)
Aspidiella sacchari (Ckll.), sugarcane scale
Chortinaspis divaricata Ferris, wire grass scale
Odonaspis ruthae Kotinsky, Bermuda grass scale
- ELM** (see *Ulmus* sp.)
- ELM, AMERICAN** (see *Ulmus americana*)
- ELM, CHINESE** (see *Ulmus* sp.)
 (see *Ulmus parvifolia*)
- ELM, SIBERIAN or DWARF ASIATIC** (see *Ulmus pumila*)
- ELM, WATER** (see *Planera aquatica*)
- ENALLAGMA LATIFOLIA** Small (black calabash)
Ischnaspis longirostris (Sign.), black thread scale
- ENCEPHALARTOS LEBOMBOENSIS** Verdoorn
Ischnaspis longirostris (Sign.), black thread scale
- ENCEPHALARTOS TRANSVENOSUS** Stapf. & Bortt Davy
Chrysomphalus aonidum (Linnaeus), Florida red scale
- ENTEROLOBIUM CYCLOCARPUM** Griseb. (ear-pod tree)
Quadraspidotus juglansregiae (Comst.), walnut scale
- EPIDENDRUM** sp. (orchid)
Acutaspis perseae (Comst.), red bay scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis echinocacti (Bouché), cactus scale
Gymnaspis aechmeae Newst. flyspeck scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
- EPIDENDRUM AROMATICUM** Batem
Diaspis boisduvalii Sign., Boisduval scale
Diaspis coccois Lichtenstein, coccois scale
- EPIDENDRUM COCHLEATUM** L.
Diaspis boisduvalii Sign., Boisduval scale
- EPIDENDRUM GRIESLACHIANUM*** (orchid)
Diaspis boisduvalii Sign., Boisduval scale
- EPIDENDRUM MARIAE** Ames
Diaspis boisduvalii Sign., Boisduval scale

*Authority for genus and species could not be found.

EPIDENDRUM NEMORALE Lindl. (orchid)

Diaspis boisduvalii Sign., Boisduval scale
Parlatoria proteus (Curtis), proteus scale

EPIDENDRUM ONCIDIoidES Lindl.

Diaspis boisduvalii Sign., Boisduval scale

EPIDENDRUM PSEUDOEPIDENDRUM Rchb. f.

Diaspis boisduvalii Sign., Boisduval scale

EPIDENDRUM TAMPENSE Lindl.

Diaspis boisduvalii Sign., Boisduval scale
Diaspis bromeliae (Kern.), pineapple scale
Pseudoparlatoria parlatorioides (Comst.), false
 parlatoria scale

EPIPHYLLUM sp. (orchid cactus)

Abgrallaspis cyanophylli (Sign.), cyanophyllum
 scale
Diaspis echinocacti (Bouché), cactus scale

EPIPHYLLUM GRANDILOBIUM (Web.) Br. & R.

Hemiberlesia lataniae (Sign.), latania scale

EPIPREMNUM PINNATUM Engl.

Chrysomphalus aonidum (Linnaeus), Florida red
 scale

ERANTHEMUM sp. (daedalacanthus)

Hemiberlesia lataniae (Sign.), latania scale

ERANTHEMUM ALBUM Nees (daedalacanthus)

Howardia biclavis (Comst.), mining scale

EREMOCHLOA OPHIUROIDES (Munro) Hack.
(centipede grass)

Aspidiella sacchari (Ckll.), sugarcane scale
Chortinaspis subchortina (Laing), water grass
 scale
Odonaspis ruthae Kotinsky, Bermuda grass scale

ERIOBOTRYA JAPONICA Lindl. (loquat)

Abgrallaspis cyanophylli (Sign.), cyanophyllum
 scale
Abgrallaspis townsendi (Ckll.), Townsend scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red
 scale
Clavaspis herculeana (Doane & Hadden), hercu-
 leana scale
Diaspidiotus ancylus (Put.), Putnam scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Howardia biclavis (Comst.), mining scale
Neopinnaspis harperi McKenzie, Harper scale

Pseudaonidia duplex (Ckll.), camphor scale
Quadrastpidiotus forbesi (Johnson), Forbes scale

ERVATAMIA CORONARIA Stapf. (crape-
jasmine)

Howardia biclavis (Comst.), mining scale

ERYNGIUM AROMATICUM Baldw. (eryngo)

Diaspis dignus Hoke, dignus scale

ERYNGIUM AQUATICUM L. (corn-snakeroot)

Diaspis dignus Hoke, dignus scale

ERNYGIUM YUCCIFOLIUM Michx. (button
snakeroot)

Diaspis dignus Hoke, dignus scale

ERYNGO (see *Eryngium aromaticum*)**ERYTHEA ARMATA** Wats. (big blue hesper
palm)

Chrysomphalus aonidum (Linnaeus), Florida red
 scale

ERYTHRINA sp. (coral bean)

Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus dictyospermi (Morg.), dictyosper-
 mum scale

ERYTHRINA CARNEA Ait. (cockspur)

Pinnaspis strachani (Cooley), lesser snow scale

ERYTHRINA CRISTAGALLI L. (cockspur)

Pinnaspis strachani (Cooley), lesser snow scale

ERYTHRINA HERBACEA L. (coral-tree)

Pinnaspis strachani (Cooley), lesser snow scale

ERYTHRINA INDICA Lam.

Pinnaspis strachani (Cooley), lesser snow scale

ESCALLONIA ROSEA Griseb. (escallonia)

Pseudaulacaspis pentagona (Targ. - Tozz.), white
 peach scale

ESENBECKIA RUNYONI Morton

Chrysomphalus aonidum (Linnaeus), Florida red
 scale

EUCALYPTUS sp.

Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red
 scale

- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale
Howardia biclavis (Comst.), mining scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- EUCHARIS** sp. (lily)
Pinnaspis strachani (Cooley), lesser snow scale
- EUCOMIS COMOSA** (Houtt.) Hort. ex Wehrh. (pineapple-flower)
Diaspis boisduvalii Sign., Boisduval scale
Diaspis bromeliae (Kern.), pineapple scale
Gymnaspis aechmeae Newst., flyspeck scale
- EUGENIA** sp.
Duplaspidotus claviger (Ckll.), camellia mining scale
Lepidosaphes beckii (Newman), purple scale
Parlatoria pergandii Comst., chaff scale
- EUGENIA ANTHERA** Small (stopperberry)
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
- EUGENIA BUXIFOLIA** (see *Eugenia myrtoides*)
- EUGENIA DICRANA** Berg. (twinberry eugenia)
Hemiberlesia lataniae (Sign.), latania scale
Unaspis euonymi (Comst.), euonymus scale
- EUGENIA EDULIS** Vell.
Aspidiotus destructor Sign., coconut scale
- EUGENIA EUCALYPTOIDES** F. Muell.
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- EUGENIA FRUITLANDII** Berck.
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- EUGENIA JAMBOLANA** Lam. (Java plum)
Duplaspidotus claviger (Ckll.), camellia mining scale
- EUGENIA MYRTIFOLIA** Sims. (Australian brushcherry)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- EUGENIA MYRTOIDES** Poir. (Spanish stopper)
Melanaspis smilacis (Comst.), smilax scale
- EUGENIA PANICULATA** Banks (Australian brushcherry)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Parlatoria proteus (Curtis), proteus scale
- EUGENIA PANICULATA** Banks 'COMPACTA'
Aspidiotus destructor (Sign.), coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- EUGENIA PANICULATA** Banks var. **AUSTRALIS** Bailey
Chrysomphalus aonidum (Linnaeus), Florida red scale
- EUGENIA SIMPSONI** (Small) Sarg. (stopper tree)
Mycetaspis personata (Comst.), masked scale
- EUGENIA, TWINBERRY** (see *Eugenia dicrana*)
- EUGENIA UNIFLORA** L. (surinam cherry, pitanga)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Howardia biclavis (Comst.), mining scale
Melanaspis mimosae (Comst.), mimosa scale
- EULOPHIA** sp. (orchid)
Chrysomphalus aonidum (Linnaeus), Florida red scale
- EULOPHIA ALTA** (L.) F. & R.
Aspidiotus destructor Sign., coconut scale
- EUONYMUS** sp. (strawberry bush, burning bush)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Acutaspis perseae (Comst.), red bay scale
Aonidiella citrina (Coq.), yellow scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Fiorinia theae Green, tea scale
Hemiberlesia rapax (Comst.), greedy scale
Lepidosaphes beckii (Newman), purple scale
Lepidosaphes gloverii (Pack.), Glover scale
Melanaspis mimosae (Comst.), mimosa scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

- Pseudoparlatoria parlatorioides* (Comst.), false parlatoria scale
Quadraspidotus perniciosus (Comst.), San Jose scale
- EUONYMUS AMERICANUS L.**
Hemiberlesia lataniae (Sign.), latania scale
- EUONYMUS JAPONICUS L.** (spindle-tree, burning bush, golden euonymus)
Aspidiotus destructor Sign., coconut scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Parlatoria pergandii (Comst.), chaff scale
Parlatoria proteus (Curtis), proteus scale
Unaspis euonymi (Comst.), euonymus scale
- EUONYMUS OBOVATUS** Nutt. (running strawberry bush)
Parlatoria proteus (Curtis), proteus scale
- EUPATORIUM** sp.
Abgrallaspis howardi (Ckll.), Howard scale
Rhizaspidotus dearnessi (Ckll.), dearness scale
- EUPATORIUM CAPILLIFOLIUM** (Lam.) Small (dog-fennel)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidomytilus solidaginis (Hoke), goldenrod scale
Hemiberlesia lataniae (Sign.), latania scale
- EUPATORIUM COMPOSITIFOLIUM** Walt. (dog-fennel)
Aonidomytilus solidaginis (Hoke), goldenrod scale
- EUPHORBIA** sp. (milk tree)
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
- EUPHORBIA CANDELABRUM** Tremont
Hemiberlesia lataniae (Sign.), latania scale
- EUPHORBIA HETEROPHYLLA** L. (hypocrite plant, wild poinsettia)
Pinnaspis strachani (Cooley), lesser snow scale
- EUPHORBIA MILII** Ch. des Moul. (crown-of-thorns)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- EUPHORBIA PULCHERRIMA** Willd. (poinsettia)
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale
Melanaspis mimosae (Comst.), mimosa scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- EUPHORBIA SPLENDENS** (see *Euphorbia milii*)
- EUPHORBIA TETRAGONA** A. Rich.
Diaspis echinocacti (Bouché), cactus scale
- EUPHORBIA TIRUCALLI** L.
Hemiberlesia lataniae (Sign.), latania scale
- EUPHORBIA VERMICULATA** Rap.
Aspidiotus destructor Sign., coconut scale
- EUPHORIA LONGANA** Lam. (longan)
Howardia biclavis (Comst.), mining scale
- EURYA EMARGINATA** (Thunb.) Makino
Hemiberlesia lataniae (Sign.), latania scale
- EURYA JAPONICA** Thunb.
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Fiorinia theae Green, tea scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria camelliae Comst., camellia parlatoria scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- FAGUS GRANDIFOLIA** Ehrh. (American beech)
Diaspidiotus osborni (Newell & Ckll.), Osborn scale

- Quadraspidotus juglansregiae* (Comst.), walnut scale
- FALSE DRAGON HEAD** (see *Physostegia* sp.)
- FARFUGIUM** (see *Ligularia* sp.)
- FATHEAD TREE** (see *Nauclea esculenta*)
(see *Nauclea orientalis*)
- FATHEAD TREE, GUINEA PEACH** (see *Nauclea esculenta*)
- FATSHEDERA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Parlatoria proteus (Curtis), proteus scale
- FATSHEDERA LIZEI** (Cochet) Guill.
Hemiberlesia lataniae (Sign.), latania scale
- FATSIA** sp.
Aonidiella orientalis (Newst.), oriental scale
- FATSIA JAPONICA** (Thunb.) D. & P.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella citrina (Coq.), yellow scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
- FAUCARIA TIGRINA** Schwant. (tiger jaws)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- FEIJOA** sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- FEIJOA SELLOWIANA** Berg. (feijoa)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale
Parlatoria pergandii Comst., chaff scale
- FERNS**
Chrysomphalus aonidum (Linnaeus), Florida red scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
(see *Asparagus sprengeri*)
- Pinnaspis aspidistrae* (Sign.), fern scale
(see *Asparagus falcatus*)
(see *Dicksonia antarctica*)
(see *Pycnodoria vittata*)
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- FERN, ASPARAGUS** (see *Asparagus plumosus*)
- FERN, BOSTON** (see *Nephrolepis exaltata bostoniensis*)
- FERN, BIRDS-NEST** (see *Asplenium nidus*)
- "FERN", COONTIE** (see *Zamia floridana* DC.)
- FERN, CYCAD** (see *Stangeria paradoxa*)
- FERN, ELKHORN** (see *Platyserium willinckii*)
- FERN, HALBERD** (see *Tectaria heracleifolia*)
- FERN, HOUSE-HOLLY** (see *Cyrtomium falcatum*)
- FERN, LACE** (see *Cheilanthes* sp.)
- FERN, LEATHERLEAF** (see *Polystichum adiantiforme*)
(see *Polystichum lonchitis*)
- FERN, MAIDENHAIR** (see *Adiantum* sp.)
- FERN, POLYPODY** (see *Polypodium punctatum*)
- FERN, RABBIT FOOT** (see *Davallia fejeensis*)
- FERN, RESURRECTION** (see *Polypodium polypodioides*)
- FERN, SPRENGER** (see *Asparagus sprengeri*)
- FERN, STAGHORN** (see *Platyserium bifurcatum*)
- FERN, TABLE** (see *Pteris* sp.)
- FERN, TREE** (see *Alsophila australis*)
- FERN, WOOD** (see *Thelypteris normalis*)
- FEVERBARK** (see *Pinckneya pubens*)
- FICUS** sp. (fig, rubber)
Aonidiella citrina (Coq.), yellow scale
Aonidiella orientalis (Newst.), oriental scale
Fiorinia theae Green, tea scale
Mycetaspis personata (Comst.), masked scale

FICUS ALTISSIMA Blume (lofty fig)

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoreopsis chinensis (Marlatt), Chinese obscure scale
Parlatoria proteus (Curtis), proteus scale

FICUS AUREA Nutt. (strangler fig, wild rubber)

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Hemiberlesia rapax (Comst.), greedy scale
Ischnaspis longirostris (Sign.), black thread scale
Melanaspis mimosae (Comst.), mimosa scale
Parlatoreopsis chinensis (Marlatt), Chinese obscure scale

FICUS BELLINGERI C. Moore (bellinger fig)

- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale

FICUS BENGALENSIS L. (banyan)

- Howardia biclavis* (Comst.), mining scale
Parlatoreopsis chinensis (Marlatt), Chinese obscure scale

FICUS BENJAMINA L. (weeping fig, weeping rubber, benjamin fig)

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoreopsis chinensis (Marlatt), Chinese obscure scale
Parlatoria pergandii Comst., chaff scale

FICUS BENJAMINA L. 'EXOTICA' (figus)

- Duplaspidotus claviger* (Ckll.), camellia mining scale

FICUS BREVIFOLIA Nutt. (shortleaf fig)

- Howardia biclavis* (Comst.), mining scale
Parlatoreopsis chinensis (Marlatt), Chinese obscure scale

FICUS CAPENSIS Thunb. (cape fig)

- Clavaspis herculeana* (Doane & Hadden), herculeana scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoreopsis chinensis (Marlatt), Chinese obscure scale

FICUS CARICA L. (common fig)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Aonidiella aurantii (Mask.), California red scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidotus tesseratus (Grandpré & Char-moy), tesserate scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Howardia biclavis (Comst.), mining scale
Lepidosaphes ulmi (Linn.), oystershell scale
Neopinnaspis harperi McKenzie, Harper scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus perniciosus (Comst.), San Jose scale
Selenaspidus articulatus (Morg.), rufous scale

FICUS ELASTICA Roxb. (India rubber fig, rubber fig)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Lindingaspis floridana Ferris, floridana scale
Parlatoreopsis chinensis (Marlatt), Chinese obscure scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale

FICUS ELASTICA Roxb. 'DOESCHERF' (rubber plant)

- Melanaspis mimosae* (Comst.), mimosa scale

FICUS ELASTICA Roxb. 'VARIEGATA'

- Hemiberlesia lataniae* (Sign.), latania scale

FICUS GLABELLA Blume (smooth fig)

- Parlatoreopsis chinensis* (Marlatt), Chinese obscure scale

FICUS GLOMERATA Roxb. (cluster fig)

- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoreopsis chinensis (Marlatt), Chinese obscure scale

FICUS INDICA L. (India fig)

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Parlatoareopsis chinensis (Marlatt), Chinese obscure scale

FICUS INFECTORIA Roxb. (dotted fig)

- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoareopsis chinensis (Marlatt), Chinese obscure scale

FICUS KRISHNAE DC. (krishnabor)

- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale

FICUS JACQUINIAEFOLIA A. Rich. (jacquinia fig)

- Ischnaspis longirostris* (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale

FICUS LYRATA Warb.

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale

FICUS MICROPHYLLA Salzm. (Moreton Bay fig)

- Parlatoareopsis chinensis* (Marlatt), Chinese obscure scale

FICUS MITROPHORA Warb. (fig)

- Parlatoareopsis chinensis* (Marlatt), Chinese obscure scale

FICUS MOSAIC (see *Ficus parcelli*)**FICUS MYSORENSIS** Heyne (mysorefig)

- Palinaspis quohogiformis* (Merrill), quohog-shaped scale
Parlatoareopsis chinensis (Marlatt), Chinese obscure scale

FICUS NEKBUDU Warb. (zulu fig)

- Hemiberlesia lataniae* (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoareopsis chinensis (Marlatt), Chinese obscure scale

FICUS NITIDA Thunb. (see *Ficus retusa*)**FICUS PANDURATA** Sander (fiddleleaf fig, banjo fig)

- Aspidiotus destructor* Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale

- Ischnaspis longirostris* (Sign.), black thread scale
Parlatoareopsis chinensis (Marlatt), Chinese obscure scale
Parlatoria proteus (Curtis), proteus scale

FICUS PARCELLI Veitch (mosaic ficus)

- Howardia biclavis* (Comst.), mining scale

FICUS PUMILA L. (creeping fig)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Ischnaspis longirostris (Sign.), black thread scale

FICUS RELIGIOSA L. (alamo, bo-tree, peepul, sacred fig)

- Clavaspis herculeana* (Doane & Hadden), herculeana scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Parlatoareopsis chinensis (Marlatt), Chinese obscure scale

FICUS RETUSA L. (Indialaurel fig)

- Aspidiotus nerii* Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Lindingaspis floridana Ferris, floridana scale
Parlatoareopsis chinensis (Marlatt), Chinese obscure scale
Pinnaspis strachani (Cooley), lesser snow scale
Selenaspidus articulatus (Morg.), rufous scale

FICUS ROXBURGHII Wall. (roxburgh fig)

- Clavaspis herculeana* (Doane & Hadden), herculeana scale
Howardia biclavis (Comst.), mining scale
Parlatoareopsis chinensis (Marlatt), Chinese obscure scale

FICUS RUBINGINOSA Vent. (rusty fig)

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

- FICUS, SHORTLEAF** (see *Ficus brevifolia*)
- FICUS VILLOSA** Blume (shaggy fig)
Parlatoria proteus (Curtis), proteus scale
- FICUS VOGELII** Miq. (vogel fig)
Ischnaspis longirostris (Sign.), black thread scale
Parlatoreopsis chinensis (Marlatt), Chinese obscure scale
- FIDDLEWOOD** (see *Citharexylum* sp.)
- FIG** (see *Ficus* sp.)
 (see *Ficus carica*)
 (see *Ficus mitrophora*)
- FIG, BANJO** (see *Ficus pandurata*)
- FIG, BELLINGER** (see *Ficus bellingeri*)
- FIG, BENJAMIN** (see *Ficus benjamina*)
- FIG, CAPE** (see *Ficus capensis*)
- FIG, CLIMBING** (see *Ficus repens*)
- FIG, CLUSTER** (see *Ficus glomerata*)
- FIG, COMMON** (see *Ficus carica*)
- FIG, CREEPING** (see *Ficus repens*)
 (see *Ficus pumila*)
- FIG, DOTTED** (see *Ficus infectoria*)
- FIG, FIDDLELEAF** (see *Ficus pandurata*)
- FIG, FLORIDA STRANGLER** (see *Ficus aurea*)
- FIG, INDIA** (see *Ficus indica*)
- FIG, INDIALAUREL** (see *Ficus nitida*)
- FIG, INDIA RUBBER** (see *Ficus elastica*)
- FIG, JACQUINIA** (see *Ficus jacquiniaefolia*)
- FIG, LOFTY** (see *Ficus altissima*)
- FIG, MORETON BAY** (see *Ficus microphylla*)
- FIG, MYSORE** (see *Ficus mysorensis*)
- FIG, ROXBURGH** (see *Ficus roxburghi*)
- FIG, RUSTY** (see *Ficus rubiginosa*)
- FIG, SACRED** (see *Ficus religiosa*)
- FIG, SHAGGY** (see *Ficus villosa*)
- FIG, SHORTLEAF** (see *Ficus brevifolia*)
- FIG, SMOOTH** (see *Ficus glabella*)
- FIG, STRANGLER** (see *Ficus aurea*)
- FIG, VOGEL** (see *Ficus vogelii*)
- FIG, WEEPING** (see *Ficus benjamina*)
- FIG, ZULU** (see *Ficus nekbudu*)
- FINGER-NAIL PLANT** (see *Neoregelia spectabilis*)
- FIRETHORN** (see *Pyracantha* sp.)
 (see *Pyracantha coccinea*)
 (see *Pyracantha crenulata*)
- FIREWHEEL TREE** (see *Stenocarpus* sp.)
- FIRMIANA BARTERI** Schum. (see *Sterculia barteri*)
- FIRMIANA PLATANIFOLIA** (L.f.) Schott & Endl.
 (Japanese varnish tree)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- FIRMIANA SIMPLEX** W. F. Wight (Chinese umbrella)
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- FLACOURTIA INDICA** Merr. (governors-plum)
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Pseudaulacaspis major (Ckll.), lychee bark scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- FLACOURTIA RAMONTCHI** (see *Flacourtia indica*)
- FLAG** (see *Iris* sp.)
- FLAG, JAPANESE SWEET** (see *Acorus gramineus*)
- FLAMBOYANT** (see *Delonix regia*)
- FLAME BOTTLE TREE** (see *Brachychiton acerifolium*)
- FLAME TREE** (see *Brachychiton acerifolium*)
- FLAME VINE** (see *Pyrostegia* sp.)
 (see *Pyrostegia ignea*)

- FLAME VINE, MEXICAN (see *Senecio confusus*)
- FLAX (see *Linum* sp.)
- FLAX, BRONZE NEW ZEALAND (see *Phormium tenax*)
- FLAX, CALIFORNIA (see *Phormium tenax*)
- FLOWER-FENCE, BARBADOS (see *Poinciana pulcherrima*)
- FLY CATCHER PLANT (see *Befaria racemosa*)
- FORESTIERA PORULOSA (Mich.) Poir. (Florida privet)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- FORSYTHIA sp. (golden bells, honeysuckle bush)
Diaspidiotus ancyclus (Put.), Putnam scale
Lepidosaphes beckii (Newman), purple scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidiotus perniciosus (Comst.), San Jose scale
- FORTUNELLA sp. (kumquat)
Aonidiella citrina (Coq.), yellow scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Fiorinia theae Green, tea scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Unaspis citri (Comst.), citrus snow scale
- FORTUNELLA CRASSIFOLIA Swingle (meiwa kumquat)
Lepidosaphes beckii (Newman), purple scale
Unaspis citri (Comst.), citrus snow scale
- FORTUNELLA JAPONICA Swingle (marumi kumquat)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Lepidosaphes beckii (Newman), purple scale
- FRANGIPANI (see *Plumeria* sp.)
 (see *Plumeria rubra*)
- FRAXINUS sp. (ash)
Chionaspis americana Johnson, elm scurfy scale
Chionaspis floridensis Takagi, river birch scale
- FRAXINUS AMERICANA L. (white ash)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- FRAXINUS PENNSYLVANICA Marsh. 'LAN-CEOLATA'
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- FRINGE TREE (see *Chionanthus virginicus*)
- FRITILLARIA sp. (fritillary)
Hemiberlesia lataniae (Sign.), latania scale
- FRITILLARY (see *Fritillaria* sp.)
- FRUTA DE PAVA (see *Ardisia revoluta*)
- GALINGALE (see *Cyperus* sp.)
- GALLBERRY (see *Ilex glabra*)
- GARCINIA sp.
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- GARCINIA MANGOSTANA L. (mangosteen)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- GARDENIA sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Fiorinia theae Green, tea scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoria proteus (Curtis), proteus scale
- GARDENIA JASMINOIDES Ellis, 'GLAZIERI', 'RADICANS' (cape jasmine)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

- GARDENIA THUNBERGIA** L. f.
Howardia biclavis (Comst.), mining scale
- GASTERIA** sp. (cow tongue cactus)
Diaspis echinocacti (Bouché), cactus scale
- GASTERIA STAYNERI** Poelln.
Parlatoria proteus (Curtis), proteus scale
- GAYLUSSACIA** sp. (huckleberry)
Acutaspis perseae (Comst.), red bay scale
Diaspidiotus ancylus (Put.), Putnam scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Velataspis dentata (Hoke), dentate scale
- GEIGER TREE** (see *Cordia sebestena*)
- GENIP** (see *Melicocca bijuga*)
- GERANIUM** (see *Geranium* sp.)
 (see *Pelargonium* sp.)
- GERANIUM** sp.
Aulacaspis rosae (Bouché), rose scale
Hemiberlesia rapax (Comst.), greedy scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- GERANIUM, FISH** (see *Pelargonium hortorum*)
- GERBERA** sp. (daisy, gerbera daisy)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- GERBERA JAMESONII** Balus (Transvaal daisy)
Hemiberlesia lataniae (Sign.), latania scale
- GINKGO** (see *Ginkgo biloba*)
- GINKGO** sp. (maidenhair tree)
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale
- GINKGO BILOBA** L. (ginkgo)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Ischnaspis longirostris (Sign.), black thread scale
- GLADIOLUS** sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
- GLEDTISIA TRIACANTHOS** L. (honey locust)
Quadraspidotus juglansregiae (Comst.), walnut scale
- GLORYBOWER** (see *Clerodendrum* sp.)
- GLORY BUSH** (see *Tibouchina* sp.)
- GLYCOSMIS, MALAY** (see *Glycosmis pentaphylla*)
- GLYCOSMIS PENTAPHYLLA** Correa (Malay glycosmis)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Parlatoria pergandii Comst., chaff scale
- GOATWEED** (see *Scoparia dulcis*)
- GOLDDUST PLANT** (see *Aucuba* sp.)
 (see *Aucuba japonica*)
- GOLDDUST TREE** (see *Aucuba* sp.)
- GOLDEN BELLS** (see *Forsythia* sp.)
- GOLDEN DEWDROP** (see *Duranta* sp.)
- GOLDEN RAIN-TREE** (see *Koelreuteria paniculata*)
 (see *Koelreuteria formosana*)
- GOLDENROD** (see *Solidago* sp.)
- GOLDEN SHOWER TREE** (see *Cassia* sp.)
 (see *Cassia fistula*)
- GONGORA** sp.
Diaspis boisduvalii Sign., Boisduval scale
- GOOSEBERRY** (see *Ribes* sp.)
- GOOSEBERRY, CEYLON** (see *Dovyalis hebecarpa*)
- GOOSEBERRY, HOG** (see *Malpighia* sp.)
- GOOSEGRASS** (see *Eleusine indica*)
- GORDONIA** sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Fiorinia theae Green, tea scale
Velataspis dentata (Hoke), dentate scale

GORDONIA LASIANTHUS (L.) Ellis (loblolly bay)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Abgrallaspis townsendi (Ckll.), Townsend scale

Acutaspis perseae (Comst.), red bay scale

Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale

Quadraspidotus perniciosus (Comst.), San Jose scale

GOSSYPIUM HIRSUTUM L. (wild cotton or upland cotton)

Pinnaspis strachani (Cooley), lesser snow scale

GOURD, BOTTLE (see *Lagenaria hapsonia*)

GRAPE (see *Vitis* sp.)

GRAPE, SUMMER (see *Vitis aestivalis*)

GRAPE, TAIL (see *Artabotrys uncinatus*)

GRAPEFRUIT (see *Citrus paradisi*)

GRASSES

Rhizaspidotus dearnessi (Ckll.), dearness scale

GRASS, BAHIA (see *Paspalum notatum*)

GRASS, BEAR (see *Yucca* sp.)
(see *Yucca filamentosa*)

GRASS, BERMUDA (see *Cynodon dactylon*)

GRASS, BORDER (see *Liriope muscari*)

GRASS, CARPET (see *Axonopus affinis*)

GRASS, CENTIPEDE (see *Eremochloa ophiuroides*)

GRASS, CHUFA NUT (see *Cyperus esculentus*)

GRASS, CRAB (see *Digitaria sanguinalis*)

GRASS, HAIRY CRAB (see *Digitaria sanguinalis*)

GRASS, JAPANESE (see *Zoysia matrella*)

GRASS, KNOT-ROOT BRISTLE (see *Setaria geniculata*)

GRASS, LEMON (see *Cymbopogon citratus*)

GRASS, MAIDENCANE (see *Panicum hemitomon*)

GRASS, MONDO (see *Ophiopogon japonicus*)

GRASS, NAPIER (see *Pennisetum purpureum*)

GRASS, NATAL (see *Rynchelytrum roseum*)

GRASS, PANGOLA (see *Digitaria decumbens*)

GRASS, PARA (see *Panicum purpurascens*)

GRASS, PIGEON*

Odonaspis ruthae Kotinsky, Bermuda grass scale

GRASS, SAW (see *Mariscus* sp.)
(see *Mariscus jamaicensis*)

GRASS, SIGNAL (see *Brachiaria plantaginea*)

GRASS, SMUT (see *Sporobolus poiretii*)

GRASS, ST. AUGUSTINE (see *Stenotaphrum secundatum*)

GRASS, SUGARCANE (see *Saccharum* sp.)

GRASS, UMBRELLA*

Aspidiotus destructor Sign., coconut scale

GRASS, WIRE (see *Eleusine* sp.)

GRASS, WITCH (see *Panicum rhizomatum*)

GREEK WINTER FLOWER (see *Chimonanthus* sp.)

GREENBRIER (see *Smilax* sp.)
(see *Smilax auriculata*)
(see *Smilax rotundifolia*)

GREVILLEA sp. (silkoak, Australian silkoak)

Aspidiotus nerii Bouché, oleander scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Hemiberlesia lataniae (Sign.), latania scale

Hemiberlesia rapax (Comst.), greedy scale

Howardia biclavis (Comst.), mining scale

Palinaspis quohogiformis (Merrill), quohog-shaped scale

Parlatoria pergandii Comst., chaff scale

Pseudaonidia duplex (Ckll.), camphor scale

GREVILLEA BANKSII R. Br. (banks grevillea)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Palinaspis quohogiformis (Merrill), quohog-shaped scale

GREVILLEA ROBUSTA Cunn. (silkoak, Australian silkoak)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

*Scientific name could not be verified.

- Aspidiotus destructor* Sign., coconut scale
Pinnaspis strachani (Cooley), lesser snow scale
- GREWIA CAFFRA** Meisn. (lavender star plant)
Howardia biclavis (Comst.), mining scale
- GREWIA POPULIFOLIA** Vahl.
Pinnaspis strachani (Cooley), lesser snow scale
- GROUNDSEL** (see *Baccharis angustifolia*)
- GROUNDSEL BUSH** (see *Baccharis halimifolia*)
- GUAIAACUM OFFICINALE** L.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- GUANABANA** (see *Annona muricata*)
- GUAVA, COMMON** (see *Psidium* sp.)
 (see *Psidium guajava*)
- GUM, BLACK** (see *Nyssa sylvatica*)
- GUM, BLACK SWAMP** (see *Nyssa sylvatica biflora*)
- GUM, TUPELO** (see *Nyssa sylvatica*)
- GUMBO-LIMBO** (see *Bursera simaruba*)
- GUZMANIA** sp. (bromeliad)
Gymnaspis aechmeae Newst., flyspeck scale
- GUZMANIA 'BURNING HEART'** (see *Guzmania lingulata* var. *cardinalis*)
- GUZMANIA LINGULATA** Mez. (bromeliad)
Ischnaspis longirostris (Sign.), black thread scale
- GUZMANIA LINGULATA** Mez. var. *CARDINALIS* (burning heart guzmania)
Ischnaspis longirostris (Sign.), black thread scale
- HACKBERRY** (see *Celtis* sp.)
 (see *Celtis laevigata*)
- HAMELIA PATENS** Jacq. (scarlet bush)
Howardia biclavis (Comst.), mining scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- HARPULLIA** sp. (tulip wood)
Andaspis hawaiiensis (Mask.), Hawaiian scale
- HAW** (see *Crataegus* sp.)
- HAWORTHIA** sp.
Hemiberlesia lataniae (Sign.), latania scale
- HAWTHORN** (see *Crataegus* sp.)
- HAWTHORN, INDIA** (see *Rhaphiolepis* sp.)
 (see *Rhaphiolepis indica*)
- HEATHER** (see *Calluna* sp.)
- HEDERA** sp. (ivy)
Acutaspis perseae (Comst.), red bay scale
Aonidiella citrina (Coq.), yellow scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Fiorinia fiorinae (Targ. - Tozz.), fiorinia scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria proteus (Curtis), proteus scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- HEDERA CANARIENSIS** Willd. (alerian ivy)
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- HEDERA HELIX** Linn. (English ivy)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella aurantii (Mask.), California red scale
Aonidiella citrina (Coq.), yellow scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- HEDGETHORN** (see *Carissa* sp.)
 (see *Severinia buxifolia*)
- HEDYCHIUM** sp. (ginger lily)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Ischnaspis longirostris (Sign.), black thread scale
- HELIANTHUS** sp. (sun flower)
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale

HELICONIA sp.*Aonidiella orientalis* (Newst.), oriental scale**HELICONIA METALLICA** Planch & Linden*Aspidiotus destructor* Sign., coconut scale**HEMEROCALLIS** sp. (daylily)*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Pinnaspis aspidistrae* (Sign.), fern scale*Pinnaspis strachani* (Cooley), lesser snow scale**HEMLOCK** (see *Tsuga* sp.)(see *Tsuga canadensis*)**HEMP** (see *Cannabis* sp.)**HENNA** (see *Lawsonia* sp.)(see *Lawsonia inermis*)**HERNANDIA BIVALVIS** Benth. (jack-in-a-box)*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale**HESPERALOE PARVIFLORA** (Torr.) Coult. (red-flower yucca)*Situlaspis yuccae* (Ckll.), small situlaspis scale**HETEROSPATHE** sp. (palm)*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale**HETEROTHECA SUBAXILLARIS** (Lam.) Britt & Rusby (camphor plant)*Hemiberlesia lataniae* (Sign.), latania scale**HEVEA BRASILIENSIS** Muell. Arg. (para rubber-tree)*Aonidiella aurantii* (Mask.), California red scale**HIBISCUS** sp.*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale*Aonidiella orientalis* (Newst.), oriental scale*Aspidiotus nerii* Bouché, oleander scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Duplaspidiotus claviger* (Ckll.), camellia mining scale*Duplaspidiotus tesseratus* (Grandpre & Char-moy), tessellate scale*Hemiberlesia lataniae* (Sign.), latania scale*Palinaspis quohogiformis* (Merrill), quohog-shaped scale*Pinnaspis aspidistrae* (Sign.), fern scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale*Pseudoparlatoria parlatorioides* (Comst.), false parlatoria scale*Unaspis citri* (Comst.), citrus snow scale**HIBISCUS MUTABILIS** L. (Confederate or cotton rose)*Hemiberlesia lataniae* (Sign.), latania scale*Parlatoria pergandii* Comst., chaff scale*Pseudaonidia duplex* (Ckll.), camphor scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale**HIBISCUS ROSA-SINENSIS** L.*Howardia biclavis* (Comst.), mining scale*Pinnaspis strachani* (Cooley), lesser snow scale**HIBISCUS ROSA-SINENSIS** L. X **H. SCHIZO-PETALUS** Hook. f.*Pinnaspis strachani* (Cooley), lesser snow scale**HIBISCUS SYRIACUS** L. (rose-of-sharon, shrubby althea)*Hemiberlesia lataniae* (Sign.), latania scale*Pinnaspis aspidistrae* (Sign.), fern scale*Pinnaspis strachani* (Cooley), lesser snow scale**HIBISCUS TILIACEUS** L. (mahoe)*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale**HICKORY** (see *Carya* sp.)(see *Carya tomentosa*)**HICKORY, MOCKERNUT** (see *Carya tomentosa*)**HIPTAGE** sp.*Lepidosaphes beckii* (Newman), purple scale**HOFFMANNIA** sp.*Howardia biclavis* (Comst.), mining scale**HOG PLUM** (see *Spondias* sp.)**HOHENBERGIA DISTANS** (Griseb.) Bak.*Diaspis boisduvalii* Sign., Boisduval scale*Gymnaspis aechmeae* Newst., flyspeck scale**HOLLY** (see *Ilex* sp.)(see *Ilex cornuta* 'Burfordii')(see *Ilex crenata* 'Convexa')(see *Ilex femina*)(see *Ilex integra*)(see *Ilex myrtifolia*)(see *Ilex rotunda*)**HOLLY, AMERICAN** (see *Ilex opaca*)

- HOLLY, BURFORD (see *Ilex cornuta* 'Burfordii')
- HOLLY, CHINESE (see *Ilex cornuta*)
(see *Ilex cornuta* 'Burfordii')
- HOLLY, DAHOON (see *Ilex cassine*)
- HOLLY, 'EAST PALATKA' (see *Ilex opaca* 'East Palatka')
- HOLLY, ENGLISH (see *Ilex aquifolium*)
- HOLLY, JAPANESE (see *Ilex crenata*)
(see *Ilex crenata* 'Rotundifolia')
- HOLLY, LUSTERLEAF (see *Ilex latifolia*)
- HOLLY, MYRTLELEAF (see *Ilex myrtifolia*)
- HOLLY, PERNY (see *Ilex pernyi*)
- HOLLY, YAUPON (see *Ilex vomitoria*)
- HOLLYHOCK (see *Althaea* sp.)
- HOLLYHOCK, WILD (see *Althaea rosea*)
- HOLYGHOST FLOWER (see *Peristeria elata*)
- HOMALOCLADIUM PLATYCLADUM Bailey
(centipede plant, ribbon bush)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis echinocacti (Bouché), cactus scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria proteus (Curtis), proteus scale
- HONESTY PLANT (see *Lunaria annua*)
- HONEYSUCKLE (see *Lonicera* sp.)
(see *Lonicera japonica*)
- HONEYSUCKLE BUSH (see *Diervilla* sp.)
(see *Forsythia* sp.)
- HONEYSUCKLE, CAPE (see *Tecomaria capensis*)
- HONEYSUCKLE, SCARLET TRUMPET (see *Lonicera sempervirens*)
- HONEYSUCKLE, WILD (see *Gaylussacia* sp.)
- HORNBEAM (see *Carpinus* sp.)
- HORNCONE, MEXICO (see *Ceratozamia mexicana*)
- HORSEBRIER (see *Smilax* sp.)
- HORSE-RADISH TREE (see *Moringa* sp.)
(see *Moringa oleifera*)
- HOWEIA sp. (sentry palm)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia palmarum (Ckll.), tropical palm scale
Lindingaspis floridana Ferris, floridana scale
Melanaspis mimosae (Comst.), mimosa scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- HOWEIA BELMOREANA Becc. (belmore sentry palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis boisduvalii Sign., Boisduval scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Ischnaspis longirostris (Sign.), black thread scale
- HOWEIA FORSTERIANA (C. Moore & F. Muell) Becc. (Forster sentry palm)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Ischnaspis longirostris (Sign.), black thread scale
- HOYA CARNOSA R. Br. (wax plant)
Aspidiotus excisus Green, aglaonema scale
- HUCKLEBERRY (see *Gaylussacia* sp.)
(see *Vaccinium nitidum*)
- HUMATA TYERMANNII Moore (bear's-foot fern)
Pinnaspis aspidistrae (Sign.), fern scale
- HYDRANGEA sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
- HYDRIASTELE sp. (palm)
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii (Comst.), chaff scale
- HYLOCEREUS sp. (night blooming cereus)
Diaspis echinocacti (Bouché), cactus scale

HYMENOCALLIS sp.*Diaspis boisduvalii* Sign., Boisduval scale**HYMENOSPORUM FLAVUM** F. Muell.*Chrysomphalus aonidum* (Linnaeus), Florida red scale**HYOPHORBE** sp. (see *Mascarena* sp.)**HYPERICUM** sp. (St. Johnswort)*Aonidomytilus hyperici* Ferris, hypericum scale
Aonidomytilus multiglandulatus Kosztarab, St. Johnswort scale*Hemiberlesia lataniae* (Sign.), latania scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale*Quadraspidotus perniciosus* (Comst.), San Jose scale**HYPERICUM MICROSEPALM** (Torr. & Gray) Gray (St. Johnswort)*Nelaspis croockiae* Ferris, crookea scale**HYPHAENE** sp. (palm)*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale**HYPHAENE CRINITA** Gaertn.*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Comstockiella sabalis* (Comst.), palmetto scale**HYPOCRITE PLANT** (see *Euphorbia heterophylla*)**ICE-PLANT** (see *Mesembryanthemum crystallinum*)**ILAMA** (see *Annona diversifolia*)**ILEX** sp. (holly)*Abgrallaspis townsendi* (Ckll.), Townsend scale*Aspidiotus nerii* Bouché, oleander scale*Melanaspis smilacis* (Comst.), smilax scale*Pseudanondia duplex* (Ckll.), camphor scale*Pseudaonidia paeoniae* (Ckll.), peony scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale*Pseudoparlatoria parlatorioides* (Comst.), false parlatoria scale*Velataspis dentata* (Hoke), dentate scale**ILEX AMERICANA** (See *Ilex opaca*)**ILEX AQUIFOLIUM** L.*Fiorinia theae* Green, tea scale**ILEX BULLATA** Rehd. (see *Ilex crenata* 'Convexa')**ILEX CASSINE** L. (dahoon holly)*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale*Aspidiotus spinosus* Comst., spinose scale*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale*Fiorinia theae* Green, tea scale*Hemiberlesia lataniae* (Sign.), latania scale*Pseudaonidia duplex* (Ckll.), camphor scale**ILEX CORNUTA** Lindl. & Paxton (Chinese holly)*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale*Aonidiella citrina* (Coq.), yellow scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale*Fiorinia theae* Green, tea scale*Hemiberlesia rapax* (Comst.), greedy scale*Lepidosaphes beckii* (Newman), purple scale**ILEX CORNUTA** Lindl. & Paxton 'BURFORDII' (Burford holly)*Aonidiella citrina* (Coq.), yellow scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale*Fiorinia theae* Green, tea scale*Hemiberlesia lataniae* (Sign.), latania scale*Lepidosaphes beckii* (Newman), purple scale
Lepidosaphes camelliae Hoke, camellia mining scale*Parlatoria proteus* (Curtis), proteus scale**ILEX CRENATA** Thunb. (Japanese holly)*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale**ILEX CRENATA** Thunb. 'CONVEXA'*Abgrallaspis howardi* (Ckll.), Howard scale*Acutaspis perseae* (Comst.), red bay scale*Aspidiotus nerii* Bouché, oleander scale*Hemiberlesia lataniae* (Sign.), latania scale*Quadraspidotus juglansregiae* (Comst.), walnut scale**ILEX CRENATA** Thunb. 'HELLERI'*Hemiberlesia lataniae* (Sign.), latania scale**ILEX CRENATA** Thunb. 'PENDULA'*Fiorinia theae* Green, tea scale*Lepidosaphes camelliae* Hoke, camellia scale

ILEX CRENATA Thunb. '**ROTUNDIFOLIA**' (Japanese holly)

Abgrallaspis howardi (Ckll.), Howard scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Fiorinia theae Green, tea scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Lepidosaphes camelliae Hoke, camellia scale
Quadraspidotus juglansregiae (Comst.), walnut scale

ILEX GLABRA Gray (gallberry, inkberry, winterberry)

Acutaspis perseae (Comst.), red bay scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale
Melanaspis tenebricosa (Comst.), gloomy scale
Pinnaspis strachani (Cooley), lesser snow scale
Quadraspidotus juglansregiae (Comst.), walnut scale

ILEX INTEGRA Thunb.

Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale

ILEX LATIFOLIA Thunb. (lusterleaf holly)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Lepidosaphes beckii (Newman), purple scale
Parlatoria pergandii Comst., chaff scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

ILEX MYRTIFOLIA Walt. (myrtleleaf holly)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Neopinnaspis harperi McKenzie, Harper scale

ILEX OPACA Ait. (American holly)

Acutaspis perseae (Comst.), red bay scale
Aspidiotus spinosus Comst., spinose scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Fiorinia fiorinae (Targ. - Tozz.), fiorinia scale
Ischnaspis longirostris (Sign.), black thread scale
Lepidosaphes beckii (Newman), purple scale
Neopinnaspis harperi McKenzie, Harper scale

ILEX OPACA Ait. '**EAST PALATKA**' (East Palatka holly)

Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus forbesi (Johnson), Forbes scale
Quadraspidotus juglansregiae (Comst.), walnut scale

ILEX OPACA Ait. '**HOWARD**'

Abgrallaspis howardi (Ckll.), Howard scale

ILEX OPACA Ait. '**SAVANNAH**'

Hemiberlesia lataniae (Sign.), latania scale

ILEX PERNYI Franchet (perny holly)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

ILEX ROTUNDA Thunb. (holly)

Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale

ILEX ROTUNDIFOLIA (see *Ilex crenata* 'Rotundifolia')

Hemiberlesia rapax (Comst.), greedy scale

ILEX VOMITORIA Ait. (yaupon), '**NANA**' (dwarf yaupon)

Acutaspis perseae (Comst.), red bay scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Fiorinia theae Green, tea scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Melanaspis smilacis (Comst.), smilax scale
Pseudonidia duplex (Ckll.), camphor scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Quadraspidotus forbesi (Johnson), Forbes scale

ILICIIUM FLORIDANUM Ellis

Chrysomphalus aonidum (Linnaeus), Florida red scale

INDIALAUREL FIG (see *Ficus nitida*)**INDIAN CURRANT** (see *Symphoricarpos orbiculatus*)**INDIAPOON** (see *Calophyllum inophyllum*)**INDIGO, HAIRY** (see *Indigofera hirsuta*)

- INDIGOFERA HIRSUTA** Harv. (hairy indigo)
Hemiberlesia lataniae (Sign.), latania scale
- INKBERRY** (see *Ilex glabra*)
- IPOMOEA** sp. (morning glory)
Aspidiotus excisus Green, aglaonema scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Pinnaspis strachani (Cooley), lesser snow scale
- IPOMOEA ARBORESCENS** Sweet
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- IPOMOEA BATATAS** L. (sweet potato)
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- IRESINE** sp. (chicken gizzard plant)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- IRIS** sp. (flag)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Aspidiella sacchari (Ckll.), sugarcane scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- IRIS, AFRICAN** (see *Moraea iridioides*)
- IRIS BARNUMAE** Baker & Foster
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- IRIS MARIAE** Barbey
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- IRON PLANT** (see *Aspidistra elatior*)
- IRONTREE** (see *Metrosideros tomentosa*)
- IRONWEED** (see *Vernonia* sp.)
- ITEA VIRGINICA** L. (sweet spire, Virginia willow)
Velataspis dentata (Hoke), dentate scale
- IVA IMBRICATA** Walt. (marsh elder)
Aonidomytilus solidaginis (Hoke), goldenrod scale
Hemiberlesia lataniae (Sign.), latania scale
- IVA FRUTESCENS** L.
Melanaspis smilacis (Comst.), smilax scale
- IVY** (see *Hedera* sp.)
- IVY, ALGERIAN** (see *Hedera canariensis*)
- IVY, ARUM** (see *Scindapsis aureus*)
- IVY, ENGLISH** (see *Hedera* sp.)
 (see *Hedera helix*)
- IVY, MARINE** (see *Cissus* sp.)
- IXORA** sp.
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- IXORA ACUMINATA** Roxbg. (sharp-leaf ixora)
Ischnaspis longirostris (Sign.), black thread scale
- IXORA COCCINEA** L.
Howardia biclavis (Comst.), mining scale
Parlatoria pergandii Comst., chaff scale
- IXORA COCCINEA** L. 'SINGAPORE'
Ischnaspis longirostris (Sign.), black thread scale
- IXORA, GIANT** (see *Ixora macrothyrsa*)
- IXORA MACROTHYRSA** Moore (giant ixora)
Howardia biclavis (Comst.), mining scale
- IXORA PARVIFLORA** Vahl. (ixora, giant ixora)
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
- JABOTICABA** (see *Myricaria cauliflora*)
- JACARANDA** sp.
Aspidiotus destructor Sign., coconut scale
Lindingaspis floridana Ferris, floridana scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Pinnaspis strachani (Cooley), lesser snow scale

- Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale
- JACARANDA ACUTIFOLIA** Humb. & Bonpl. (jacaranda)
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
Selenaspidus articulatus (Morg.), rufous scale
- JACARANDA, YELLOW** (see *Jacaranda* sp.)
- JACKFRUIT** (see *Artocarpus heterophyllus*)
- JACK-IN-A-BOX** (see *Hernandia bivalvis*)
- JACOBINIA** sp.
Parlatoria proteus (Curtis), proteus scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- JACOBINIA MOHINTLII** Benth. & Hook. f. (jacobinia)
Howardia biclavis (Comst.), mining scale
- JACOB'S LADDER** (see *Polemonium caeruleum*)
- JADE PLANT** (see *Crassula* sp.)
- JAKFRUIT** (see *Artocarpus heterophyllus*)
- JASMINE** (see *Jasminum* sp.)
 (see *Jasminum amplexicaule*)
 (see *Jasminum gracile*)
 (see *Jasminum gracilimum*)
 (see *Jasminum (primulinum) mesnyi*)
 (see *Jasminum pubescens*)
 (see *Jasminum sambac*)
 (see *Jasminum undulatum*)
- JASMINE, ARABIAN** (see *Jasminum sambac*)
- JASMINE, CAPE** (see *Gardenia* sp.)
 (see *Gardenia jasminoides*)
- JASMINE, CHILEAN** (see *Mandevilla lucens*)
- JASMINE, CHINA BOX ORANGE** (see *Murraya exotica*)
- JASMINE, CONFEDERATE** (see *Trachelospermum jasminoides*)
- JASMINE, CRAPE** (see *Ervatamia coronaria*)
- JASMINE, GOLD COAST** (see *Jasminum dichotomum*)
- JASMINE, MADAGASCAR** (see *Stephanotis floribunda*)
- JASMINE, NIGHT BLOOMING** (see *Cestrum nocturnum*)
- JASMINE, ORANGE** (see *Murraya* sp.)
- JASMINE, SAMBAC** (see *Jasminum sambac*)
- JASMINE, STAR** (see *Trachelospermum jasminoides*)
- JASMINE, SPANISH** (see *Jasminum* sp.)
- JASMINUM** sp. (jasmine, Spanish jasmine)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis mimosae (Comst.), mimosa scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Selenaspidus articulatus (Morg.), rufous scale
- JASMINUM AMPLEXICAULE** Don (jasmine)
Ischnaspis longirostris (Sign.), black thread scale
- JASMINUM DICHOTOMUM** Vahl. (gold coast jasmine)
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
- JASMINUM GRACILE** Andr. (jasmine)
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
- JASMINUM GRACILLIMUM** Hook. f. (pinwheel jasmine)
Aspidiotus destructor Sign., coconut scale
Howardia biclavis (Comst.), mining scale
Pseudaonidia duplex (Ckll.), camphor scale
- JASMINUM ILICIFOLIUM** (see *Jasminum undulatum*)
- JASMINUM MULTIFLORUM** Andr. (downy jasmine)
Aspidiotus destructor Sign., coconut scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
- JASMINUM NITIDUM** Skan.
Aspidiotus destructor Sign., coconut scale
- JASMINUM (PRIMULINUM) MESNYI** Hance (jasmine)
Aspidiotus nerii Bouché, oleander scale

- JASMINUM PUBESCENS* Willd. (see *Jasminum multiflorum*)
- JASMINUM SAMBAC* Ait. (sambac jasmine)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Howardia biclavis (Comst.), mining scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- JASMINUM UNDULATUM* Ker (jasmine)
Parlatoria camelliae (Comst.), camellia parlatoria scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
- JATROPHA* sp. (coral plant, curcasbean, purgenut, bellyache bush)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Lepidosaphes beckii (Newman), purple scale
Melanaspis mimosae (Comst.), mimosa scale
- JATROPHA GOSSYPIFOLIA* L. (bellyache nettle-spurge)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- JATROPHA HASTATA* Jacq. (peregrina nettle-spurge)
Howardia biclavis (Comst.), mining scale
- JATROPHA MULTIFIDA* L. (coralplant nettle-spurge)
Aspidiotus nerii Bouché, oleander scale
Hemiberlesia lataniae (Sign.), latania scale
- JERUSALEM-THORN (see *Parkinsonia* sp.)
 (see *Parkinsonia aculeata*)
- JESSAMINE (see *Cestrum* sp.)
- JESSAMINE, CRAPE (see *Tabernaemontana* sp.)
- JESSAMINE, DAY (see *Cestrum diurnum*)
- JESSAMINE, DAY-BLOOMING (see *Cestrum* sp.)
- JESSAMINE, NIGHT-BLOOMING (see *Cestrum* sp.)
 (see *Cestrum nocturnum*)
- JESSAMINE, ORANGE (see *Murraya* sp.)
 (see *Murraya exotica*)
 (see *Murraya paniculata*)
- JESSAMINE, WILLOW-LEAVED (see *Cestrum* sp.)
- JEW BUSH (see *Pedilanthus* sp.)
- JUBAEA CHILENSIS* (Molina) Baillon
Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
- JUDAS TREE (see *Cercis canadensis*)
 (see *Cercis siliquastrum*)
- JUGLANS* sp. (walnut)
Diaspidiotus ancyclus (Put.), Putnam scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale
Melanaspis mimosae (Comst.), mimosa scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus perniciosus (Comst.), San Jose scale
- JUGLANS NIGRA* L. (black walnut)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- JUJUBE (see *Zizyphus* sp.)
- JUJUBE, INDIAN (see *Zizyphus mauritiana*)
- JUNIPER (see *Juniperus* sp.)
- JUNIPER, ANDORRA (see *Juniperus horizontalis* 'Plumosa')
- JUNIPER, BLUE (see *Juniperus excelsa* 'Stricta')
- JUNIPER, CALIFORNIA (see *Juniperus californica*)
- JUNIPER, COMMON (see *Juniperus communis*)
- JUNIPER, CHINESE (see *Juniperus chinensis*)
- JUNIPER, CREEPING (see *Juniperus horizontalis*)
- JUNIPER, GREEK (see *Juniperus excelsa* 'Stricta')
- JUNIPER, HOLLYWOOD (see *Juniperus chinensis* 'Torulosa')
- JUNIPER, IRISH (see *Juniperus communis* 'Stricta')

JUNIPER, PFITZER'S (see *Juniperus chinensis* 'Pfitzeriana')

JUNIPER, RED CEDAR (see *Juniperus* sp.)

JUNIPER, SHORE (see *Juniperus conferta*)

JUNIPERUS sp. (juniper, red cedar juniper)

Acutaspis morrisonorum Kosztarab, round conifer scale

Acutaspis perseae (Comst.), red bay scale

Aonidia atlantica Ferris, juniper needle scale

Carulaspis juniperi (Bouché), juniper scale

Chionaspis pinifoliae (Fitch), pine needle scale

Hemiberlesia rapax (Comst.), greedy scale

JUNIPERUS CALIFORNICA Carr. (California juniper)

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS CHINENSIS L. (Chinese juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS CHINENSIS L. 'ALBO-VARIEGATA' (Chinese juniper)

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPER CHINENSIS L. 'BLUE VASE'

Acutaspis morrisonorum Kosztarab, round conifer scale

JUNIPER CHINENSIS L. 'DENSE GLAUCA'

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS CHINENSIS L. 'HETZII'

Acutaspis morrisonorum Kosztarab, round conifer scale

Carulaspis minima (Targ. - Tozz.), minute cypress scale

JUNIPERUS CHINENSIS L. 'PFITZERIANA' (Pfitzer's juniper)

Acutaspis morrisonorum Kosztarab, round conifer scale

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS CHINENSIS L. 'SAN JOSE'

Carulaspis minima (Targ. - Tozz.), minute cypress scale

JUNIPERUS CHINENSIS L. 'SARGENTII'

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

JUNIPERUS CHINENSIS L. 'SYLVESTRIS' (Chinese juniper)

Acutaspis morrisonorum Kosztarab, round conifer scale

Acutaspis perseae (Comst.), red bay scale

Carulaspis minima (Targ. - Tozz.), minute cypress scale

Hemiberlesia lataniae (Sign.), latania scale

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS CHINENSIS L. 'TORULOSA' (Hollyhock juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS CHINENSIS L. 'VARIEGATA'

Carulaspis minima (Targ. - Tozz.), minute cypress scale

JUNIPERUS COMMUNIS HIBERNICA Gord. (Irish juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale

JUNIPERUS COMMUNIS L. (common juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS COMMUNIS L. 'STRICTA' (Irish juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale

JUNIPERUS CONFERTA Parl. (shore juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS EXCELSA Bieb. 'STRICTA' (Greek or blue juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS HORIZONTALIS Moench (creeping juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale

Hemiberlesia lataniae (Sign.), latania scale

JUNIPERUS HORIZONTALIS Moench 'PLUMOSA' (Andorra juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale

JUNIPERUS HORIZONTALIS Moench 'WILTONII' ('BLUE RUG') (blue rug juniper)

Carulaspis minima (Targ. - Tozz.), minute cypress scale
Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS JAPONICA Carr. (Japanese holly)

Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS PROCUMBENS (Endl.) Miq. (creeping juniper or Japgarden juniper)

Acutaspis morrisonorum Kosztarab, round conifer scale

JUNIPERUS SCOPULORUM Sarg. 'GRAY GLEAM'

Carulaspis minima (Targ. - Tozz.), minute cypress scale

JUNIPERUS SILICICOLA (Small) Bailey (Southern red cedar)

Acutaspis morrisonorum Kosztarab, round conifer scale
Lepidosaphes pallida (Mask.), Maskell scale

JUNIPERUS VIRGINIANA L. (red cedar, Eastern red cedar)

Acutaspis morrisonorum Kosztarab, round conifer scale
Acutaspis perseae (Comst.), red bay scale
Aspidiotus nerii Bouché, ivy scale
Carulaspis minima (Targ. - Tozz.), minute cypress scale
Diapspidiotus coniferarum (Ckll.), conifer scale
Lepidosaphes pallida (Mask.), Maskell scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

JUPITER TREE (see *Bauhinia* sp.)**JUSSIAEA PERUVIANA** L. (water primrose)

Pinnaspis strachani (Cooley), lesser snow scale

JUSTICIA sp.

Ischnaspis longirostris (Sign.), black thread scale

KAFIR BEAN TREE (see *Schotia brachypetala*)**KAFIRBREAD** (see *Encephalartos* sp.)**KAFIR-ORANGE** (see *Strychnos spinosa*)**KALANCHOE** sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Pinnaspis strachani (Cooley), lesser snow scale

KALMIA LATIFOLIA L. (mountain laurel, calico-bush)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria pergandii Comst., chaff scale

KAMANI (see *Calophyllum inophyllum*)**KAPOK** (see *Ceiba* sp.)**KARANDA** (see *Carissa* sp.)
(see *Carissa carandas*)**KARATAS TRISTE** (Regel) Baker

Gymnaspis aechmeae Newst., flyspeck scale

KAROUB (see *Ceratonía siliqua*)**KARUM** (see *Pongamia* sp.)**KENTIA** sp. (palm)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

KHAT (see *Catha edulis*)**KIGELIA PINNATA** DC. (sausage tree)

Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

KIWI (see *Actinidae chinensis*)**KOELREUTERIA FORMOSANA** Hyata (golden rain-tree)

Howardia biclavis (Comst.), mining scale
Pseudaulacaspis major (Ckll.), lychee bark scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

KOELREUTERIA PANICULATA Laxm. (golden rain-tree)

Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis major (Ckll.), lychee bark scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

KOLKWITZIA sp. (beauty bush)

Lepidosaphes beckii (Newman), purple scale

- KOPSIA** sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- KRISHNA BOR** (see *Ficus krishnae*)
- KUDZU VINE** (see *Pueraria* sp.)
 (see *Pueraria thunbergiana*)
- KUMQUAT** (see *Fortunella* sp.)
- KUMQUAT, MEIWA** (see *Fortunella crassifolia*)
- LADY-OF-THE-NIGHT** (see *Brunfelsia americana*)
- LAELIA ANCEPS** Lindl. (orchid)
Diaspis boisduvalii Sign., Boisduval scale
Parlatoria proteus (Curtis), proteus scale
- LAELIA ANCEPS** var. **ALBA** Reichb. f. (orchid)
Acutaspis perseae (Comst.), red bay scale
- LAELIA SPECIOSA** (HBK) Schltr. (orchid)
Diaspis coccois Lichtenstein, coccois scale
- LAELIOCATTLEYA** sp.
Diaspis boisduvalii Sign., Boisduval scale
- LAGENARIA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- LAGENARIA HAPSONIA***
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- LAGERSTROEMIA** sp. (crape-myrtle)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
- LAGERSTROEMIA INDICA** L. (crape-myrtle)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Andaspis hawaiiensis (Mask.), Hawaiian scale
Aonidiella citrina (Coq.), yellow scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria proteus (Curtis), proteus scale
Pseudaonidia duplex (Ckll.), camphor scale
- LAGERSTROEMIA LANCELOTA** Wall.
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
- LAGERSTROEMIA SPECIOSA** Pers. (queen crape-myrtle)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Hemiberlesia lataniae (Sign.), latania scale
- LAGERSTROEMIA SPECTABILIS*** (queens flower)
Hemiberlesia lataniae (Sign.), latania scale
- LANCEWOOD** (see *Nectandra coriacea*)
- LANTANA** sp. (wild lantana)
Howardia biclavis (Comst.), mining scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale
- LANTANA INVOLUCRATA** L. (lantana)
Praecocaspis diversa Ferris, diverse scale
- LANTANA MONTEVIDENSIS** Brig. (weeping or trailing lantana)
Hemiberlesia lataniae (Sign.), latania scale
- LANTANA, WEEPING OR TRAILING** (see *Lantana montevidensis*)
- LATANIA** sp. (latan palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Comstockiella sabalis (Comst.), palmetto scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Parlatoria proteus (Curtis), proteus scale
- LATANIA LODDIGESII** Mart. (blue latan palm)
Aspidiotus destructor Sign., coconut scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale
- LATANIA LONTAROIDES** (Gaertner) Moore (red latan palm)
Diaspis boisduvalii Sign., Boisduval scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
- LATANIA VERSCHAFFELTII** Lemaire (yellow latan palm)
Hemiberlesia lataniae (Sign.), latania scale
- LAUREL** (see *Laurus* sp.)

*Authority for genus and species could not be found.

LAUREL, APOLLO*

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

LAUREL, CAROLINA CHERRY (see *Prunus caroliniana*)LAUREL, CHERRY (see *Prunus* sp.)LAUREL, ENGLISH (see *Laurus* sp.)

LAUREL, GRECIAN*

Chrysomphalus aonidum (Linnaeus), Florida red scale

LAUREL, INDIA (see *Ficus nitida*)LAUREL, MOUNTAIN (see *Kalmia latifolia*)

LAUREL, SPANISH*

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

LAUREL, WEeping (see *Ficus benjamina*)LAURESTINUS (see *Viburnum tinus*)

LAURUS sp. (bay, sweet bay, laurel, English laurel)

Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Hemiberlesia lataniae (Sign.), latania scale

Lepidosaphes beckii (Newman), purple scale

Parlatoria camelliae Comst., camellia parlatoria scale

Parlatoria pergandii Comst., chaff scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

Quadraspidotus perniciosus (Comst.), San Jose scale

LAURUS NOBILIS L. (sweet bay, bay, laurel)

Acutaspis perseae (Comst.), red bay scale

LAVENDERBELL (see *Strobilanthes* sp.)

LAWSONIA sp. (henna, mignonette-tree)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Andaspis hawaiiensis (Mask.), Hawaiian scale

Aspidiotus destructor Sign., coconut scale

Palinaspis quohogiformis (Merrill), quohog-shaped scale

Selenaspis articulatus (Morg.), rufous scale

LAWSONIA INERMIS L. (mignonette-tree, henna)

Aspidiotus destructor Sign., coconut scale

Aspidiotus spinosus Comst., spinose scale

Hemiberlesia lataniae (Sign.), latania scale

LEADWORT (see *Plumbago* sp.)LEAF FLOWER (see *Phyllanthus* sp.)LEBBECK-TREE (see *Albizia lebeck*)

LECYTHIS OLLARIA L. (monkey-pot tree)

Aspidiotus destructor Sign., coconut scale

LECYTHIS PISONIS** (monkey-pot tree)

Aspidiotus destructor Sign., coconut scale

LEMON (see *Citrus limon*)LEMON VINE (see *Pereskia* sp.)LEOPARD PLANT (see *Ligularia* sp.)LEUCOPHYLLUM FRUTESCENS Johnston
(Texas sage or Texas silverleaf)

Hemiberlesia lataniae (Sign.), latania scale

Howardia biclavis (Comst.), mining scale

Parlatoria pergandii Comst., chaff scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

LIGULARIA sp. (leopard plant)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

LIGUSTRUM sp. (privet, wax privet)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Acutaspis perseae (Comst.), red bay scale

Aonidiella citrina (Coq.), yellow scale

Aspidiotus destructor Sign., coconut scale

Aspidiotus nerii Bouché, oleander scale

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Hemiberlesia rapax (Comst.), greedy scale

Howardia biclavis (Comst.), mining scale

Lepidosaphes beckii (Newman), purple scale

Lepidosaphes camelliae Hoke, camellia scale

Lindingaspis floridana Ferris, floridana scale

Palinaspis quohogiformis (Merrill), quohog-shaped scale

Parlatoria pergandii Comst., chaff scale

*Scientific name could not be verified.

**Authority for genus and species could not be found.

Parlatoria proteus (Curtis), proteus scale
Quadraspidotus perniciosus (Comst.), San Jose scale

LIGUSTRUM COMPACTUM (see *Ligustrum roxburghii*)

LIGUSTRUM JAPONICUM Thunb. (ligustrum, wax privet, Japanese privet)

Aonidiella citrina (Coq.), yellow scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Parlatoria proteus (Curtis), proteus scale
Pseudaonidia duplex (Ckll.), camphor scale

LIGUSTRUM JAPONICUM Thunb. var. **ROTUNDIFOLIUM** Blume (ligustrum)

Hemiberlesia lataniae (Sign.), latania scale

LIGUSTRUM LUCIDUM Ait. (shining privet, ligustrum privet)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella aurantii (Mask.), California red scale
Aonidiella citrina (Coq.), yellow scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Selenaspidus articulatus (Morg.), rufous scale

LIGUSTRUM OVALIFOLIUM Hassk. (California privet)

Acutaspis perseae (Comst.), red bay scale
Ischnaspis longirostris (Sign.), black thread scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

LIGUSTRUM QUIHOU Carr. (privet, ligustrum)

Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

LIGUSTRUM ROXBURGHII C. B. Clarke

Hemiberlesia rapax (Comst.), greedy scale

LIGUSTRUM SINENSIS Lour.

Howardia biclavis (Comst.), mining scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

LIGUSTRUM VULGARE L. (common privet)

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

LILAC (see *Syringa* sp.)

LILAC, COMMON (see *Syringa vulgaris*)

LILIUM sp. (lily)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

LILIUM LONGIFLORUM Thunb. (white lily)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

LILY (see *Lilium* sp.)

LILY, AFRICAN (see *Agapanthus africanus*)

LILY, AMARYLLIS-LIKE (see *Lycoris* sp.)

LILY, BLACKBERRY (see *Belamcanda chinensis*)

LILY, DAY- (see *Hemerocallis* sp.)

LILY, GINGER (see *Hedychium* sp.)

LILY, LEOPARD (see *Lilium* sp.)

LILY, SPEAR (see *Doryanthes palmeri*)

LILY, SPIDER (see *Hymenocallis* sp.)

LILY, ST. BERNARD (see *Anthericum liliago*)

LILYTHORN (see *Catesbaea parviflora*)

LILYTURF (see *Liriope* sp.)
 (see *Liriope graminifolia*)
 (see *Liriope muscari*)
 (see *Liriope spicata*)
 (see *Mondo* sp.)
 (see *Ophiopogon jaburan*)

LILYTURF, CREEPING (see *Liriope spicata*)

- LILYTURF, OPHIOPOGON (see *Ophiopogon* sp.)
- LILY, WHITE (see *Lilium longiflorum*)
- LIME (see *Citrus aurantifolia*)
- LIMEBERRY (see *Triphasia trifolia*)
- LIME, KEY (see *Citrus aurantifolia*)
- LIME, LARGE-LEAVED (see *Tilia* sp.)
- LIME, SPANISH (see *Melicocca bijuga*)
- LINDEN (see *Tilia* sp.)
- LINDERA sp. (benzoin, spice-bush)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Velataspis dentata (Hoke), dentate scale
- LINDERA BENZOIN Blume (spice-bush)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Melanaspis mimosae (Comst.), mimosa scale
Pinnaspis strachani (Cooley), lesser snow scale
- LINNAEA BOREALIS L. var. AMERICANA Rehd.
Hemiberlesia lataniae (Sign.), latania scale
- LINUM sp. (flax)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- LIPPIA sp.
Hemiberlesia lataniae (Sign.), latania scale
- LIPSTICK TREE (see *Bixa orellana*)
- LIQUIDAMBAR FORMOSANA Hance (Formosan sweetgum)
Pseudaonidia duplex (Ckll.), camphor scale
- LIQUIDAMBAR STYRACIFLUA L. (sweetgum)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus liquidambaris (Kotinsky), sweetgum scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis tenebricosa (Comst.), gloomy scale
Neopinnaspis harperi McKenzie, Harper scale
Pseudaonidia duplex (Ckll.), camphor scale
Quadraspidotus juglansregiae (Comst.), walnut scale
- LIRIODENDRON TULIPIFERA L. (tulip tree, tulip poplar, yellow poplar)
Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
Neopinnaspis harperi McKenzie, Harper scale
Quadraspidotus juglansregiae (Comst.), walnut scale
- LIRIOPE sp. (lilyturf or bordergrass)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Lepidosaphes pallida (Mask.), Maskell scale
Pinnaspis strachani (Cooley), lesser snow scale
- LIRIOPE GRAMINIFOLIA Baker (lilyturf)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Parlatoria proteus (Curtis), proteus scale
- LIRIOPE MUSCARI Bailey (lilyturf)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis caricis Ferris, liriopie scale
- LIRIOPE SPICATA Lour. (creeping lilyturf)
Diaspis dignus Hoke, dignus scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
- LITCHI CHINENSIS Sonner (lychee)
Andaspis hawaiiensis (Mask.), Hawaiian scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis major (Ckll.), lychee bark scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- LIVISTONA sp. (palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus nerii Bouché, oleander scale

- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Parlatoria proteus (Curtis), proteus scale
- LIVISTONA AUSTRALIS** (R. Brown) Mart. (fountain palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Parlatoria proteus (Curtis), proteus scale
- LIVISTONA CHINENSIS** (Jacq.) R. Br. (Chinese fan palm)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Comstockiella sabalis (Comst.), palmetto scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- LIVISTONA ROTUNDIFOLIA** (L.) Mart. (palm)
Ischnaspis longirostris (Sign.), black thread scale
- LIZARD'S TAIL** (see *Saururus cernuus*)
- LOCUST** (see *Robinia* sp.)
- LOCUST, BLACK** (see *Robinia pseudoacacia*)
- LOCUST, EVERFLOWERING** (see *Robinia pseudoacacia*)
- LOCUST, HONEY** (see *Gleditsia triacanthos*)
- LONGAN** (see *Euphoria longana*)
- LONICERA** sp. (honeysuckle)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus excisus Green, aglaonema scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Ischnaspis longirostris (Sign.), black thread scale
Lepidosaphes beckii (Newman), purple scale
Melanaspis mimosae (Comst.), mimosa scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudonidia duplex (Ckll.), camphor scale
- Pseudaulacaspis cockerelli* (Cooley), false oleander scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- LONICERA FRAGRANTISSIMA** Lindl. & Paxt. (sweet breath of spring)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- LONICERA X HECKROTTII** Rehd. (honeysuckle)
Quadrastipidiotus juglansregiae (Comst.), walnut scale
- LONICEA JAPONICA** Thunb. (honeysuckle)
Hemiberlesia lataniae (Sign.), latania scale
- LONICERA SEMPERVIRENS** L. (scarlet trumpet honeysuckle)
Howardia biclavis (Comst.), mining scale
- LOQUAT** (see *Eriobotrya japonica*)
- LOXOCOCCUS RUPICOLA** H. Wendle & Drude (palm)
Aspidiotus destructor Sign., coconut scale
- LUCKYNUT** (see *Thevetia peruviana*)
- LUCUMA NERVOSA** A. DC. (eggfruit) (see *Pouteria campechiana*)
- LUNARIA ANNUA** L. (honesty plant)
Hemiberlesia lataniae (Sign.), latania scale
- LYCHEE** (see *Litchi chinensis*)
- LYCOPERSICON ESCULENTUM** Mill. (tomato)
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- LYCORIS** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- LYONIA LUCIDUS** (Lam.) K. Koch (bog-rosemary)
Hemiberlesia lataniae (Sign.), latania scale

LYSIDICE RHODOSTEGIA Hance

Chrysomphalus aonidum (Linnaeus), Florida red scale

MACADAMIA sp. (macadamia nut, queensland nut)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale

MACADAMIA NUT (see *Macadamia* sp.)**MACADAMIA TERNIFOLIA** F. Muell. (queensland nut; macadamia nut)

Duplaspidotus claviger (Ckll.), camellia mining scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale

MACROZAMIA sp.

Ischnaspis longirostris (Sign.), black thread scale
Pinnaspis strachani (Cooley), lesser snow scale

MACROZAMIA MOOREI F. Muell. ex. C. Moore

Chrysomphalus aonidum (Linnaeus), Florida red scale
Parlatoria proteus (Curtis), proteus scale

MACROZAMIA, SPIRAL (see *Macrozamia spiralis*)**MACROZAMIA SPIRALIS** Miq. (spiral macrozamia)

Chrysomphalus aonidum (Linnaeus), Florida red scale

MAGNOLIA sp.

Aonidiella citrina (Coq.), yellow scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale
Lepidosaphes beckii (Newman), purple scale
Lepidosaphes camelliae Hoke, camellia scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

MAGNOLIA AMERICANA* (magnolia)

Pseudaulacaspis cockerelli (Cooley), false oleander scale

MAGNOLIA DENUData Desrouss

Pseudaulacaspis cockerelli (Cooley), false oleander scale

MAGNOLIA GRANDIFLORA L. (bullbay, magnolia, southern magnolia)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Abgrallaspis townsendi (Ckll.), Townsend scale
Acutaspis perseae (Comst.), red bay scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus nerii Bouché, oleander scale
Duplaspidotus tesseratus (Grandpré & Char-moy), tesseract scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia diffinis (Newst.), diffinis scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Ischnaspis longirostris (Sign.), black thread scale
Lepidosaphes gloverii (Pack.), Glover scale
Morganella cueroensis (Ckll.), Cuero scale
Parlatoria proteus (Curtis), proteus scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Velataspis dentata (Hoke), dentate scale

MAGNOLIA, JAPANESE WHITE LEAF (see *Magnolia obovata*)**MAGNOLIA OBOVATA** Thunb. (Japanese white leaf magnolia)

Pseudaonidia duplex (Ckll.), camphor scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

MAGNOLIA SOULANGEANA Soul. (magnolia)

Diaspidiotus osborni (Newell & Ckll.), Osborn scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

MAGNOLIA, SOUTHERN (see *Magnolia grandiflora*)**MAGNOLIA, STAR** (see *Magnolia stellata*)**MAGNOLIA STELLATA** (Sieb. & Zucc.) Maxim. (star magnolia)

Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

MAGNOLIA, SWEET (see *Magnolia grandiflora*)**MAGNOLIA VIRGINIANA** L. (sweet bay)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Abgrallaspis townsendi (Ckll.), Townsend scale
Acutaspis perseae (Comst.), red bay scale

*Authority for genus and species could not be found.

- Aspidiotus nerii* Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia rapax (Comst.), greedy scale
Morganella cueroensis (Ckll.), Cuero scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis aspidistrae (Sign.), fern scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Quadraspidiotus perniciosus (Comst.), San Jose scale
Velataspis dentata (Hoke), dentate scale
- MAGNOLIA VIRGINIANA AUSTRALIS** Sarg. (southern sweet bay)
Pinnaspis aspidistrae (Sign.), fern scale
- MAHOE** (see *Hibiscus tiliaceus*)
- MAHOGANY** (see *Swietenia* sp.)
 (see *Swietenia mahoganii*)
- MAHOGANY, WEST INDIES** (see *Swietenia mahoganii*)
- MAHONIA** sp.
Pseudaonidia duplex (Ckll.), camphor scale
- MAHONIA, CHINESE** (see *Mahonia fortunei*)
- MAHONIA FORTUNEI** (Lindl.) Fedde (Chinese mahonia)
Chrysomphalus aonidum (Linnaeus), Florida red scale
- MAHONIA LAURIFOLIA***
Hemiberlesia lataniae (Sign.), latania scale
- MAIDENHAIR TREE** (see *Ginkgo* sp.)
 (see *Ginkgo biloba*)
- MAIDENHAIR VINE** (see *Muehlenbeckia* sp.)
 (see *Muehlenbeckia complexa*)
- MALPIGHIA** sp. (hog gooseberry)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Fiorinia theae Green, tea scale
- MALPIGHIA GLABRA** L. (Barbados cherry)
Chrysomphalus aonidum (Linnaeus), Florida red scale
- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale
Melanaspis mimosae (Comst.), mimosa scale
Mycetaspis personata (Comst.), masked scale
- MALUS** sp. (apple)
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Quadraspidiotus forbesi (Johnson), Forbes scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
Quadraspidiotus perniciosus (Comst.), San Jose scale
- MALUS ANGUSTIFOLIA** (Ait.) Michx. (southern crab apple)
Quadraspidiotus perniciosus (Comst.), San Jose scale
- MALUS HALLIANA** Koehne (flowering crab-apple)
Quadraspidiotus perniciosus (Comst.), San Jose scale
- MALVAVISCUS** sp. (Turkscape)
Hemiberlesia lataniae (Sign.), latania scale
- MAMEY** (see *Mammea americana*)
- MAMMEA AFRICANA** G. Don (see *Ochrocarpus africanus*)
- MAMMEA AMERICANA** L. (mamey apple)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale
- MAMMILLARIA** sp. (cactus)
Diaspis echinocacti (Bouché), cactus scale
- MANDEVILLA** sp.
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- MANDEVILLA LUCENS***
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- MANGIFERA INDICA** L. (mango)
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale

*Authority for genus and species could not be found.

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Clavaspis herculeana (Doane & Hadden), herculeana scale
Fiorinia theae Green, tea scale
Genaparlatoria pseudaspidotus (Lind.), vanda orchid scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Lepidosaphes beckii (Newman), purple scale
Lindingaspis floridana Ferris, floridana scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Radionaspis indica (Marlatt), mango scale
- MANGO (see *Mangifera indica*)
 MANGOSTEEN (see *Garcinia mangostana*)
 MANGROVE (see *Rhizophora* sp.)
 MANGROVE, BLACK (see *Avicennia nitida*)
 MANGROVE, RED (see *Rhizophora mangle*)
 MANIHOT sp. (cassava)
Aonidomytilus albus (Ckll.), cassava scale
- MAPLE (see *Acer* sp.)
 (see *Acer barbatum*)
 MAPLE, FLORIDA (see *Acer barbatum*)
 MAPLE, FLOWERING (see *Abutilon* sp.)
 MAPLE, RED (see *Acer rubrum*)
 MAPLE, SILVER (see *Acer saccharinum*)
 MAPLE, WHITE (see *Acer* sp.)
 (see *Acer saccharinum*)
- MARANTA sp. (arrowroot)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis boisduvalii Sign., Boisduval scale
Parlatoria proteus (Curtis), proteus scale
- MARANTA ARUNDENACEA L.
Pseudaonidia duplex (Ckll.), camphor scale
- MARANTA LEUCONEURA Morr. 'KERCHOVIANA'
Diaspis boisduvalii Sign., Boisduval scale
- MARIA (see *Calophyllum inophyllum*)
- MARIGOLD, BUR (see *Bidens mitis*)
- MARIJUANA (see *Cannabis* sp.)
- MARISCUS sp.
Haliaspis asymmetrica Ferris, asymmetric scale
- MARISCUS JAMAICENSIS (Crantz) Britton (sawgrass)
Aspidiella sacchari (Ckll.), sugarcane scale
- MASCARENA sp.
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Parlatoria proteus (Curtis), proteus scale
- MASCARENA LAGENICAULIS Bailey (bottle palm)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Fiorinia fiorinae (Targ. - Tozz.), fiorinia scale
- MASCARENA VERSCHAFFELTI (Wendl.) Bailey (spindle palm)
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
- MASCARENHASIA ELASTICA K. Schum.
Hemiberlesia lataniae (Sign.), latania scale
- MASTIC (see *Sideroxylon* sp.)
- MAURITIA sp.
Aspidiotus destructor Sign., coconut scale
- MAXILLARIA VARIABILIS Batem. (orchid)
Parlatoria proteus (Curtis), proteus scale
- MELALEUCA ERICIFOLIA Smith (melaleuca)
Aspidiotus destructor Sign., coconut scale

MELALEUCA LEUCADENDRA L. (cajeput, punk tree)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
- Aspidiotus destructor* Sign., coconut scale
- Chrysomphalus aonidum* (Linnaeus), Florida red scale
- Chrysomphalus dictyospermi* (Morg.), dictyospermum scale
- Duplaspidotus claviger* (Ckll.), camellia mining scale
- Fiorinia fiorinae* (Targ. - Tozz.), fiorinia scale
- Fiorinia theae* Green, tea scale
- Parlatoria pergandii* Comst., chaff scale
- Pinnaspis aspidistrae* (Sign.), fern scale

MELASTOMA sp.

- Hemiberlesia lataniae* (Sign.), latania scale

MELIA AZEDARACH L. (Chinaberry, China tree, pride of India, umbrella tree)

- Aonidiella orientalis* (Newst.), oriental scale
- Aspidiotus nerii* Bouché, oleander scale
- Hemiberlesia lataniae* (Sign.), latania scale
- Hemiberlesia rapax* (Comst.), greedy scale
- Pinnaspis strachani* (Cooley), lesser snow scale
- Pseudischnaspis bowreyi* (Ckll.), Bowrey scale
- Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale

MELICOCCA BIJUGA L. (Spanish lime, genip, mamoncillo)

- Hemiberlesia lataniae* (Sign.), latania scale
- Howardia biclavis* (Comst.), mining scale
- Melanaspis mimosae* (Comst.), mimosa scale
- Pinnaspis strachani* (Cooley), lesser snow scale
- Pseudischnaspis bowreyi* (Ckll.), Bowrey scale
- Selenaspidus articulatus* (Morg.), rufous scale

MELOCACTUS MELOCACTOIDES (Hoffm.) DC. (Turk's cap cactus)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale

MESEMBRYANTHEMUM CRYSTALLINUM L. (ice-plant)

- Pinnaspis strachani* (Cooley), lesser snow scale

METOPIMUM TOXIFERUM (L.) Krug & Urban (Florida poisonwood)

- Clavaspis herculeana* (Doane & Hadden), herculeana scale
- Selenaspidus articulatus* (Morg.), rufous scale

METROSIDEROS TOMENTOSA A. Rich. (iron-tree)

- Howardia biclavis* (Comst.), mining scale

MICHELIA FUSCATA (Andr.) Blume (banana shrub)

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
- Pseudaulacaspis cockerelli* (Cooley), false oleander scale

MICONIA (see *Miconia magnifica*)

MICONIA MAGNIFICA Triana

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
- Hemiberlesia lataniae* (Sign.), latania scale

MIGNONETTE-TREE (see *Lawsonia* sp.)

(see *Lawsonia inermis*)

MILK-BUSH (see *Euphorbia tirucalli*)

MILK TREE (see *Euphorbia* sp.)

MILKWEED (see *Calotropis gigantea*)

MILKWORT (see *Polygala rugelii*)

MIMOSA sp.

- Hemiberlesia diffinis* (Newst.), diffinis scale
- Hemiberlesia lataniae* (Sign.), latania scale
- Parlatoria pergandii* Comst., chaff scale

MIMOSA PUDICA L. (sensitive plant)

- Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale

MIMUSOPS sp.

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
- Clavaspis barbigera* Ferris, barbigera scale

MIMUSOPS CAFFRA E. Mey.

- Chrysomphalus aonidum* (Linnaeus), Florida red scale

MIMUSOPS ELENGI L.

- Howardia biclavis* (Comst.), mining scale

MIMUSOPS EMARGINATA (L.) Britton (wild dilly)

- Aspidiotus destructor* Sign., coconut scale

MIMUSOPS ROXBURGHIANA Wight (bullet-wood, wild sapodilla)

- Ischnaspis longirostris* (Sign.), black thread scale

MISTLETOE (see *Phoradendron flavescens*)

- MITRAGYNA PAVIFOLIA** Koerth.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- MOCKERNUT** (see *Carya tomentosa*)
- MOCK-ORANGE** (see *Philadelphus* sp.)
- MOMBIN** (see *Spondias* sp.)
- MOMORDICA BALSAMINA** L. (balsam apple)
Pinnaspis strachani (Cooley), lesser snow scale
- MOMORDICA CHARANTIA** L.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- MONDO** sp. (lilyturf, snakes beard)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Melanaspis mimosae (Comst.), mimosa scale
Pinnaspis strachani (Cooley), lesser snow scale
- MONDO JABURAN** Bailey (ophiopogon)
Parlatoria proteus (Curtis), proteus scale
- MONKEY-POD** (see *Samanea saman*)
- MONKEY-POT-TREE** (see *Lecythis pisonis*)
 (see *Lecythis ollaria*)
- MONKEYPUZZLE TREE** (see *Araucaria* sp.)
- MONSTERA** (see *Monstera deliciosa*)
- MONSTERA DELICIOSA** Liebm. (ceriman, monstera)
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
- MOONSEED, CAROLINA** (see *Cocculus* sp.)
- MOONSEED, CHINESE** (see *Cocculus laurifolius*)
- MORAEA** sp.
Parlatoria proteus (Curtis), proteus scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- MORAEA IRIDIOIDES** L. (African iris)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Ischnaspis longirostris (Sign.), black thread scale
- MORAEA NORTHIANA** Schneevogt
Ischnaspis longirostris (Sign.), black thread scale
- MOREA** sp.
Ischnaspis longirostris (Sign.), black thread scale
- MORINDA CITRIFOLIA** Linn.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- MORINGA** sp. (horse radish tree)
Howardia biclavis (Comst.), mining scale
- MORINGA OLEIFERA** Lam. (horse radish tree)
Hemiberlesia lataniae (Sign.), latania scale
- MORNINGGLORY** (see *Ipomoea* sp.)
- MORNINGGLORY, SEASIDE** (see *Ipomoea* sp.)
- MORUS** sp. (mulberry)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Lepidosaphes gloverii (Pack.), Glover scale
Melanaspis tenebricosa (Comst.), gloomy scale
Velataspis dentata (Hoke), dentate scale
- MORUS ALBA** L. (white mulberry)
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- MORUS ALBA** L. 'TATARICA' (Russian mulberry)
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- MORUS CATHAYANA** Hemsl.
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- MORUS RUBRA** L. (mulberry)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- MOSS, SPANISH** (see *Tillandsia usneoides*)

- MOUNTAIN EBONY** (see *Bauhinia* sp.)
(see *Bauhinia purpurea*)
(see *Bauhinia variegata*)
- MOUNTAIN-ROSE CORAL-VINE** (see *Antigonon* sp.)
- MUEHLENBECKIA** sp. (wire plant or maidenhair vine)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Melanaspis mimosae (Comst.), mimosa scale
- MUEHLENBECKIA COMPLEXA** Meissn. (wire plant, maidenhair vine)
Hemiberlesia lataniae (Sign.), latania scale
- MULBERRY** (see *Morus* sp.)
(see *Morus rubra*)
- MULBERRY, FRENCH** (see *Callicarpa americana*)
- MULBERRY, INDIAN** (see *Morinda citrifolia*)
- MULBERRY, MOCK** (see *Broussonetia papyrifera*)
- MULBERRY, PAPER** (see *Broussonetia papyrifera*)
- MULBERRY, RUSSIAN** (see *Morus alba* "Tatarica")
- MULBERRY, WHITE** (see *Morus alba*)
- MUMS** (see *Chrysanthemum* sp.)
- MUNTINGIA CALABURA** L. (Jamaica cherry)
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- MURRAYA** sp. (chalcas, orange jasmine, jessamine)
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Lepidosaphes beckii (Newman), purple scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Selenaspis articulatus (Morg.), rufous scale
- MURRAYA EXOTICA** L. (see *Murraya paniculata*)
- MURRAYA PANICULATA** (L.) Jack (box-orange, orange jessamine, chalcas vine)
Aspidiotus destructor Sign., coconut scale
Lepidosaphes beckii (Newman), purple scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
- MUSA** sp. (banana)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus excisus Green, aglaonema scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia palmarum (Ckll.), tropical palm scale
Ischnaspis longirostris (Sign.), black thread scale
Selenaspis articulatus (Morg.), rufous scale
Velaspis dentata (Hoke), dentate scale
- MUSA COCCINEA** Andr.
Aspidiotus destructor Sign., coconut scale
- MUSA PARADISIACA** L. 'SAPIENTUM' Kuntze (banana)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- MYRCIARA CAULIFLORA** Berg. (jaboticaba)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidotus tesseratus (Grandpré & Charmoy), tesserate scale
- MYRICA** sp. (bayberry)
Howardia biclavis (Comst.), mining scale
- MYRICA CERIFERA** L. (wax myrtle)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus spinosus Comst., spinose scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Duplaspidotus tesseratus (Grandpre & Charmoy), tesserate scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Howardia biclavis (Comst.), mining scale
Lepidosaphes gloverii (Pack.), Glover scale
Melanaspis smilacis (Comst.), smilax scale
Morganella cueroensis (Ckll.), Cuero scale
Neopinnaspis harperi McKenzie, Harper scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Velaspis dentata (Hoke), dentate scale
- MYRICA RUBRA** Sieb. & Zucc. (myrtle)
Pseudaonidia duplex (Ckll.), camphor scale

- MYROBALAN (see *Terminalia catappa*)
- MYRSINE sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- MYRSINE AFRICANA L. (Africa boxwood)
Hemiberlesia lataniae (Sign.), latania scale
- MYRTLE (see *Myrtus* sp.)
- MYRTLE, CRAPE- (see *Lagerstroemia* sp.)
- MYRTLE, DOWNY (see *Rhodomyrtus tomentosa*)
- MYRTLE, TRAILING (see *Vinca minor*)
- MYRTLE, WAX (see *Myrica cerifera*)
- MYRTLE, WILD (see *Myrica cerifera*)
- MYRTUS sp. (myrtle)
Aspidiotus destructor Sign., coconut scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Lepidosaphes beckii (Newman), purple scale
Lepidosaphes gloverii (Pack.), Glover scale
Melanaspis smilacis (Comst.), smilax scale
- NANDINA sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- NANDINA DOMESTICA Thunb.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- NATAL-ORANGE (see *Strychnos spinosa*)
- NATAL PLUM (see *Carissa* sp.)
 (see *Carissa grandiflora*)
- NAUCLEA ESCULENTA Merrill (fathead tree, guinea peach fathead tree)
Aspidiotus destructor Sign., coconut scale
Ischnaspis longirostris (Sign.), black thread scale
- NAUCLEA ORIENTALIS L. (fathead tree)
Aspidiotus destructor Sign., coconut scale
- NECKLACEPOD (see *Sophora tomentosa*)
- *Authority for genus and species could not be found.
- NECTANDRA CORIACEA (Sw.) Griseb. (see *Ocotea catesbyana*)
Aspidiotus destructor Sign., coconut scale
Duplaspidiotus tesseratus (Grandpré & Charmoy), tesserate scale
- NECTARINE (see *Prunus persica* var. *nectarina*)
- NEODYPSIS DECARYI Jumelle (triangle palm)
Aspidiella sacchari (Ckll.), sugarcane scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Ischnaspis longirostris (Sign.), black thread scale
- NEOREGELIA sp.
Gymnaspis aechmeae Newst., flyspeck scale
- NEOREGELIA sp. 'MAGONALLY'*
Diaspis bromeliae (Kern.), pineapple scale
- NEOREGELIA SPECTABILIS (T. Moore) L. B. Smith (finger-nail plant)
Hemiberlesia palmarum (Ckll.), tropical palm scale
- NEPHROLEPIS CORDIFOLIA (L.) Presl (sword fern)
Pinnaspis aspidistrae (Sign.), fern scale
- NEPHROLEPIS EXALTATA BOSTONIENSIS Davenport (Boston fern)
Pinnaspis aspidistrae (Sign.), fern scale
- NEPHROLEPIS WHITMANII (see *Nephrolepis exaltata bostoniensis*)
- NEPHTHYTIS sp.
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
- NEPHTHYTIS LIBERICA N. E. Br.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- NERIUM sp. (oleander)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria pergandii Comst., chaff scale
Pseudaonidia duplex (Ckll.), camphor scale
- NERIUM OLEANDER L. (oleander)
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus nerii Bouché, oleander scale

Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Selenaspidus articulatus (Morg.), rufous scale

NETTLESPURGE, BELLYACHE (see *Jatropha gossypifolia*)

NETTLESPURGE, CORAL PLANT (see *Jatropha multifida*)

NETTLESPURGE, PEREGRINA (see *Jatropha hastata*)

NICKERNUT (see *Caesalpinia sappan*)

NIDULARIUM sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

NIDULARIUM PROCERUM Lindm. (bromeliad)

Diaspis boisduvalii Sign., Boisduval scale

NIDULARIUM TRISTE (see *Karatas triste*)

NIGHTSHADE (see *Solanum seafortianum*)

NOLANA sp.

Aspidiotus nerii Bouché, oleander scale

NOLINA sp. (ponytail plant)

Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis aspidistrae (Sign.), fern scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

NOLINA TUBERCULATA Hort. ex Gentil (nolina)

Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale

NORONHIA EMARGINATA Poir.

Chrysomphalus aonidum (Linnaeus), Florida red scale
Ischnaspis longirostris (Sign.), black thread scale

NYSSA OGECHIE Bartr. (ogeeche tupelo)

Chionaspis nyssae Comst., sour-gum scale
Pseudaonidia duplex (Ckll.), camphor scale

NYSSA SYLVATICA Marsh. (tupelo gum)

Andaspis hawaiiensis (Mask.), Hawaiian scale
Chionaspis nyssae (Comst.), sour-gum scale
Hemiberlesia diffinis (Newst.), diffinis scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

NYSSA SYLVATICA Marsh. var. BIFLORA (Walt.) Sarg.

Chionaspis nyssae (Comst.), sour-gum scale

OAK (see *Quercus* sp.)

OAK, AUSTRALIAN SILK (see *Grevillea* sp.)
 (see *Grevillea robusta*)

OAK, EASTERN PIN (see *Quercus palustris*)

OAK, EUROPEAN (see *Quercus* sp.)

OAK, JAPANESE (see *Quercus* sp.)

OAK, JERUSALEM (see *Chenopodium botrys*)

OAK, LAUREL (see *Quercus laurifolia*)

OAK, LIVE (see *Quercus virginiana*)

OAK, NORTHERN RED (see *Quercus rubra*)

OAK, SAND POST (see *Quercus stellata* var. *margaretta*)

OAK, SCARLET (see *Quercus coccinea*)

OAK, SCRUB (see *Quercus laevis*)

OAK, SHE (see *Casuarina stricta*)

OAK, SILK (see *Grevillea* sp.)

OAK, WATER (see *Quercus nigra*)

OCHNA MULTIFLORA DC. (birds-eye bush)

Ischnaspis longirostris (Sign.), black thread scale

OCHROCARPOS AFRICANUS Oliver

Aspidiotus nerii Bouché, oleander scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale

OCHROSIA ELLIPTICA LaBill. (kopsia)

Aonidiella citrina (Coq.), yellow scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

- OCOTEA CATESBYANA** (Michx.) Sarg. (gulf ocotea, lancewood)
Duplaspidiotus tesseratus (Grandpré & Char-moy), tessellate scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
- OCOTEA, GULF** (see *Ocotea catesbyana*)
- ODONTOGLOSSUM** sp. (orchid)
Aonidiella orientalis (Newst.), oriental scale
- ODONTOGLOSSUM SCHLIEPERIANUM** Reichb. (orchid)
Diaspis bromeliae (Kern.), pineapple scale
- OLDMAN'S BEARD** (see *Calycanthus* sp.)
 (see *Clematis vitalba*)
- OLEA** sp. (olive)
Aonidiella aurantii (Mask.), California red scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
- OLEA EUROPAEA** L. (olive)
Acutaspis perseae (Comst.), red bay scale
Hemiberlesia rapax (Comst.), greedy scale
Parlatoria proteus (Curtis), proteus scale
- OLEA EUROPAEA** L. 'MISSION' (mission olive)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- OLEANDER** (see *Nerium* sp.)
 (see *Nerium oleander*)
- OLEANDER, YELLOW** (see *Thevetia peruviana*)
- OLEASTER** (see *Elaeagnus* sp.)
- OLIVE** (see *Olea* sp.)
 (see *Olea europaea*)
 (see *Osmanthus* sp.)
- OLIVE, BLACK** (see *Bucida* sp.)
 (see *Bucida buceras*)
- OLIVE, FALSE** (see *Elaeodendron quadrangulatum*)
- OLIVE, MISSION** (see *Olea europaea*)
- OLIVE, RUSSIAN** (see *Elaeagnus* sp.)
- OLIVE, SWEET** (see *Osmanthus fragrans*)
- OLIVE, TEA** (see *Osmanthus fragrans*)
- OLIVE, WILD** (see *Osmanthus* sp.)
- ONCIDIUM** sp. (orchid)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Ischnaspis longirostris (Sign.), black thread scale
- ONCIDIUM ONUSTUM** Lindl.
Diaspis boisduvalii Sign., Boisduval scale
- ONCIDIUM PANAMENSIS** Schlechter
Furcaspis biformis (Ckll.), orchid scale
- ONCIDIUM PULCHELLUM** Hook.
Diaspis boisduvalii Sign., Boisduval scale
- ONCIDIUM QUADRIPETALUM** Sw.
Diaspis boisduvalii Sign., Boisduval scale
- ONCIDIUM SPHACELATUM** Lindl.
Diaspis boisduvalii Sign., Boisduval scale
- ONCIDIUM TETRAPETALUM** Willd.
Diaspis boisduvalii Sign., Boisduval scale
- ONCOBA SPINOSA** Forsk. (oncoba)
Howardia biclavis (Comst.), mining scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudaulacaspis major (Ckll.), lychee bark scale
- ONCOBA SPINOSA** var. **ROUTLEDGEI** (Sprague) Hort.
Howardia biclavis (Comst.), mining scale
- ONCOBA, SPINY** (see *Oncoba spinosa*)
- OPHIOPOGON** sp. (ophiopogon, lilyturf, mondo grass)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Pinnaspis strachani (Cooley), lesser snow scale
- OPHIOPOGON JABURAN** Lodd. (lilyturf, snakes beard)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pinnaspis aspidistrae (Sign.), fern scale

- OPHIOPOGON JAPONICUS** Ker (mondo grass)
Parlatoria proteus (Curtis), proteus scale
Pinnaspis caricis Ferris, liriopse scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- OPUNTIA BRASILIENSIS** (Willd.), Haworth
Diaspis echinocacti (Bouché), cactus scale
- OPUNTIA ELATA** Link & Otto (prickly pear cactus)
Diaspis echinocacti (Bouché), cactus scale
- OPUNTIA RAMOSISSIMA** Engel. (diamond cholla, pencil cactus)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- OPUNTIA RUFIDA** Engel. (blind pear)
Diaspis echinocacti (Bouché), cactus scale
- ORANA PANICULATA***
Pinnaspis strachani (Cooley), lesser snow scale
- ORANGE, MOCK** (see *Philadelphus* sp.)
- ORANGE, NATAL** (see *Strychnos spinosa*)
- ORANGE, SOUR** (see *Citrus aurantium*)
- ORANGE, SWEET** (see *Citrus sinensis*)
- ORANGE, TEMPLE** (see *Citrus reticulata* X *C. sinensis*)
- ORANGE, TRIFOLIATE** (see *Poncirus trifoliata*)
- ORANIA** sp. (palm)
Aonidiella orientalis (Newst.), oriental scale
- ORBIGNYA** sp. (palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- ORBIGNYA COHUNE** Barb. Rodr. (cohune palm)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
- ORCHIDS**
Acutaspis perseae (Comst.), red bay scale
 (see *Cattleya mossiae* 'Oliver Lines')
 (see *Epidendrum* sp.)
 (see *Laelia anceps* var. *alba*)
Andaspis mackieana McKenzie, Mackie scale
 (see *Dendrobium* sp.)
Aonidiella orientalis (Newst.), oriental scale
 (see *Odontoglossum* sp.)
 (see *Phaius* sp.)
Aspidiotus destructor Sign., coconut scale
 (see *Brassia* sp.)
 (see *Eulophia* sp.)
 (see *Phaius grandifolius*)
 (see *Spathoglottis plicata*)
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Diaspis bromeliae (Kern.), pineapple scale
Diaspis coccois Lichtenstein, coccois scale
 (see *Epidendrum aromaticum*)
 (see *Laelia grandiflora*)
Diaspis echinocacti (Bouché), cactus scale
Furcaspis biformis (Ckll.), orchid scale
Genaparlatoria pseudaspidiotus (Lindl.), vanda orchid scale
Gynaspis aechmeae Newst., flyspeck scale
Hemiberlesia lataniae (Sign.), latania scale
 (see *Cattleya* sp.)
Ischnaspis longirostris (Sign.), black thread scale
 (see *Oncidium* sp.)
Lepidosaphes machili (Mask.), cymbidium scale
 (see *Cymbidium* sp.)
 (see *Dendrobium* sp.)
Lopholeucaspis cockerelli (Grandpré & Char-moy), Cockerell scale
 (see *Coelogyne corrugata*)
 (see *Vanda* sp.)
Melanaspis aliena (Newst.), alien scale
 (see *Cattleya* sp.)
Melanaspis mimosae (Comst.), mimosa scale
 (see *Vanda* sp.)
Parlatoria pergandii Comst., chaff scale
 (see *Vanda teres* X *hookeriana*)
Parlatoria proteus (Curtis), proteus scale
 (see *Aerides odoratum*)
 (see *Broughtonia domingensis*)
 (see *Cattleya* sp.)
 (see *Cymbidium* sp.)
 (see *Dendrobium* sp.)
 (see *Epidendrum nemorale*)
 (see *Laelia anceps*)
 (see *Maxillaria variabilis*)
 (see *Phaius maculatus*)
 (see *Pleurothallis saurocephala*)
 (see *Renanthera storiei*)
 (see *Spathoglottis aloefolium*)
 (see *Vanda leilani*)
 (see *Vanda roblingiana*)
 (see *Vanda sanderiana* X *kono*)
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

*Authority for genus and species could not be found.

- Pseudischnaspis bowreyi* (Ckll.), Bowrey scale
(see *Epidendrum* sp.)
- Pseudoparlatoria parlatorioides* (Comst.), false parlatoria scale
(see *Cattleya* sp.)
(see *Cyrtopodium punctatum*)
(see *Epidendrum* sp.)
(see *Vanda teres* X *hookeriana*)
- ORCHID, BUTTERFLY (see *Cyrtopodium paranaensis*)
- ORCHID, COMMON VANILLA (see *Vanilla planifolia*)
- ORCHID, COW-HORN (see *Cyrtopodium punctatum*)
- ORCHID, LITTLE GRAIN (see *Aglaia odoratisima*)
- ORCHID, FLORIDA BUTTERFLY (see *Epidendrum tampense*)
- ORCHID, MEXICAN VANILLA (see *Vanilla fragrans*)
- ORCHID, SPIDER (see *Brassia* sp.)
- ORCHID TREE, FLORIDA
(see *Bauhinia purpurea*)
(see *Bauhinia variegata*)
- ORCHID, VANDA TYPE (see *Renanthera storiei*)
- OREOPANAX sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- ORPINE (see *Sedum* sp.)
- OSMANTHUS sp. (olive)
Acutaspis perseae (Comst.), red bay scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Clavaspis herculeana (Doane & Hadden), herculeana scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Pseudaonidia duplex (Ckll.), camphor scale
- OSMANTHUS AMERICANUS Gray (devilwood)
Velataspis dentata (Hoke), dentate scale
- OSMANTHUS FRAGRANS Lour. (sweet olive)
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- Fiorinia theae* Green, tea scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria camelliae (Comst.), camellia parlatoria scale
Parlatoria pergandii Comst., chaff scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- OSMANTHUS HETEROPHYLLUS (G. Don) P. S. Green (variegated osmanthus)
Duplaspidotus claviger (Ckll.), camellia mining scale
- OSMANTHUS, VARIEGATED (see *Osmanthus heterophyllus*)
- PACHYSANDRA sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- PACHYSANDRA THRYSAOIDES*
Lepidosaphes beckii (Newman), purple scale
- PALIURUS SPINA-CHRISTI Mill. (Christ-thorn)
Aonidiella orientalis (Newst.), oriental scale
- PALMS
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Acutaspis perseae (Comst.), red bay scale
Aonidiella aurantii (Mask.), California red scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii (Bouché), oleander scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
(see *Acrocomia* sp.)
(see *Acrocomia totai*)
(see *Howeia forsteriana*)
(see *Hyphaene crinita*)
(see *Neodypsis decaryi*)
(see *Phoenix* sp.)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
(see *Acrocomia* sp.)
(see *Balaka seemanni*)
(see *Beaucarnea* sp.)
(see *Chamaerops* sp.)
(see *Dypsis* sp.)
Comstockiella sabalis (Comst.), palmetto scale

*Authority for genus and species could not be found.

- Diaspis boisduvalii* Sign., Boisduval scale
(see *Acrocomia* sp.)
- Fiorinia fioriniae* (Targ. - Tozz.), fiorinia scale
- Hemiberlesia lataniae* (Sign.), latania scale
(see *Adonidia* sp.)
- Hemiberlesia rapax* (Comst.), greedy scale
- Ischnaspis longirostris* (Sign.), black thread scale
(see *Acrocomia* sp.)
(see *Balaka seemanni*)
(see *Chamaedorea seifrizii*)
(see *Copernicia hospita*)
(see *Dictyosperma* sp.)
(see *Eupritchardia* sp.)
(see *Hydriastele* sp.)
- Parlatoria pergandii* Comst., chaff scale
(see *Hydriastele* sp.)
- Parlatoria proteus* (Curtis), proteus scale
(see *Acrocomia* sp.)
(see *Latania* sp.)
(see *Livistona* sp.)
(see *Pseudophoenix* sp.)
(see *Sabal glaucescens*)
(see *Veitchia* sp.)
- Pinnaspis strachani* (Cooley), lesser snow scale
(see *Chamaedorea elegans*)
(see *Dictyosperma* sp.)
- Pseudaulacaspis cockerelli* (Cooley), false oleander scale
- Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale
- Pseudoparlatoria parlatorioides* (Comst.), false parlatoria scale
(see *Chamaerops* sp.)
- Velataspis dentata* (Hoke), dentate scale
- PALM, AFRICAN OIL (see *Elaeis guineensis*)
- PALM, ARECA (see *Chrysalidocarpus lutescens*)
- PALM, BELMORE SENTRY (see *Howeia belmoreana*)
- PALM, BIG BLUE HESPER (see *Erythea armata*)
- PALM, BLUE LATAN (see *Latania loddigesii*)
- PALM, BOTTLE (see *Mascarena lagenicaulis*)
- PALM, BUTIA (see *Butia* sp.)
(see *Butia capitata*)
(see *Butia yatay*)
- PALM, BUTTERFLY- (see *Chrysalidocarpus lutescens*)
- PALM, CABBAGE (see *Sabal palmetto*)
- PALM, CALIFORNIA WASHINGTON (see *Washingtonia filifera*)
- PALM, CANARY ISLAND DATE (see *Phoenix canariensis*)
- PALM, CANE (see *Chamaedorea erumpens*)
(see *Chrysalidocarpus lutescens*)
- PALM, CARIBBEAN ROYAL (see *Roystonea oleracea*)
- PALM, CHINESE FAN (see *Livistona chinensis*)
- PALM, CHINESE FOUNTAIN (see *Livistonia chinensis*)
- PALM, CHINESE WINDMILL (see *Trachycarpus fortunei*)
- PALM, CHRISTMAS (see *Veitchia merrillii*)
- PALM, COCONUT (see *Cocos* sp.)
(see *Cocos nucifera*)
- PALM, COHUNE (see *Orbignya cohune*)
- PALM, COMMON PRINCESS (see *Dictosperma album*)
- PALM, CUBAN ROYAL (see *Roystonea regia*)
- PALM, DATE (see *Phoenix dactylifera*)
- PALM, DWARF DATE (see *Phoenix roebelenii*)
- PALM, EUROPEAN FAN (see *Chamaerops humilis*)
- PALM, EVERGLADE (see *Acoelorrhaphe wrightii*)
- PALM, FEATHER (see *Dictyosperma* sp.)
- PALM, FEATHERDUSTER (see *Rhopalostylis sapida*)
- PALM, FISHTAIL (see *Caryota* sp.)
(see *Caryota mitis*)
(see *Caryota urens*)
- PALM, FLORIDA ROYAL (see *Roystonea elata*)
- PALM, FOUNTAIN (see *Livistona* sp.)
- PALM, GOLDEN CANE (see *Chrysalidocarpus lutescens*)
- PALM, JELLY (see *Butia capitata*)
- PALM, KEY THATCH (see *Thrinax parviflora*)

- PALM, KING (see *Archontophoenix alexandrae*)
(see *Archontophoenix cunninghamiana*)
- PALM, LADY- (see *Rhapis* sp.)
(see *Rhapis excelsa*)
- PALM, LATAN (see *Latania* sp.)
- PALM, MANILA (see *Veitchia merrillii*)
- PALM, MACARTHUR (see *Ptychosperma macarthurii*)
- PALM, MEXICAN WASHINGTON (see *Washingtonia robusta*)
- PALM, NEEDLE (see *Rhapidophyllum hystrix*)
- PALM, PETTICOAT (see *Copernicia glabrescens*)
- PALM, PIGMY DATE (see *Phoenix roebelenii*)
- PALM, PINDO (see *Butia capitata*)
- PALM, PONYTAIL (see *Beaucarnea recurvata*)
- PALM, PRINCESS (see *Dictyosperma album*)
- PALM, PUERTO RICAN HAT (see *Sabal causiarum*)
- PALM, QUEEN (see *Arecastrum romanzoffianum*)
- PALM, QUEEN SAGO (see *Cycas circinalis*)
- PALM, RED LATAN (see *Latania lontaroides*)
- PALM, ROYAL (see *Roystonea* sp.)
- PALM, SAGO (see *Cycas revoluta*)
- PALM, SENEGAL DATE (see *Phoenix reclinata*)
- PALM, SENTRY (see *Howeia* sp.)
- PALM, SOLITAIRE (see *Ptychosperma elegans*)
- PALM, SPINDLE (see *Mascarena verschaffeltii*)
- PALM, TRAVELER'S (see *Ravenala madagascariensis*)
- PALM, TRIANGLE (see *Neodypsis decaryi*)
- PALM, WASHINGTON (see *Washingtonia filifera*)
- PALM, WINDMILL (see *Trachycarpus fortunei*)
- PALMETTO (see *Sabal* sp.)
- PALMETTO, BUSH (see *Sabal minor*)
- PALMETTO, DWARF (see *Sabal minor*)
- PALMETTO, SCRUB (see *Sabal etonia*)
- PALMETTO, SILVER SAW (see *Acoelorrhaphe wrightii*)
- PANAMA HAT PLANT (see *Carludovica palmata*)
- PANDANUS sp. (screwpine)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Acutaspis perseae (Comst.), red bay scale
Aspidiotus spinosus Comst., spinose scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Melanaspis mimosae (Comst.), mimosa scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis buxi (Bouché), screwpine scale
Pinnaspis strachani (Cooley), lesser snow scale
- PANDANUS UTILIS Bory.
Aspidiotus destructor Sign., coconut scale
- PANDANUS VEITCHII Dall. (screwpine)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- PANICUM ADSPERSUM Trin.
Aspidiella sacchari (Ckll.), sugarcane scale
- PANICUM HEMITOMON Schult. (maidencane grass)
Aspidiella sacchari (Ckll.), sugarcane scale
- PANICUM PURPURASCENS Raddi (para grass)
Aspidiella sacchari (Ckll.), sugarcane scale
Odonaspis ruthae Kotinsky, Bermuda grass scale
Odonaspis saccharicaulis (Zehnt.), para grass scale
- PANICUM REPENS L. (torpedo grass)
Aspidiella sacchari (Ckll.), sugarcane scale
- PANICUM RHIZOMATUM Hitchc. & Chase (witch grass)
Aspidiella sacchari (Ckll.), sugarcane scale

- PAPAW (see *Asimina* sp.)
- PAPER BUSH (see *Edgeworthia gardnerii*)
- PAPERBUSH, ORIENTAL (see *Edgeworthia gardnerii*)
- PAPER PLANT, CHINESE RICE (see *Tetrapanax papyriferus*)
- PAPER PLANT, RICE (see *Tetrapanax papyriferus*)
- PAPYRUS (see *Cyperus papyrus*)
- PARADISE TREE (see *Simarouba glauca*)
- PARASOL TREE, CHINESE (see *Firmiana simplex*)
- PARKINSONIA sp. (Jerusalem thorn)
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoria pergandii Comst., chaff scale
- PARKINSONIA ACULEATA L. (Jerusalem thorn, ratama)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
- PARMENTIERA CERIFERA Seem. (candletree)
Ischnaspis longirostris (Sign.), black thread scale
- PARMENTIERA EDULIS DC. (candlelight tree, candle tree)
Aspidiotus spinosus Comst., spinose scale
Ischnaspis longirostris (Sign.), black thread scale
- PARTHENOCISSUS sp. (Virginia creeper)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Morganella cueroensis (Ckll.), Cuero scale
- PASPALUM NOTATUM Flugge (bahia grass)
Aspidiella sacchari (Ckll.), sugarcane scale
- PASSIFLORA sp. (passion vine)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
- PASSION FLOWER (see *Passiflora* sp.)
- PASSION VINE (see *Passiflora* sp.)
- PAWPAW (see *Asimina* sp.)
- PEA, BLUE (see *Clitoria* sp.)
- PEA, BUTTERFLY (see *Clitoria* sp.)
- PEA, PARTRIDGE (see *Cassia* sp.)
(see *Cassia fasciculata*)
- PEA, PIGEON (see *Cajanus cajan*)
- PEA, WILD VINE (see *Clitoria* sp.)
- PEACH (see *Prunus* sp.)
(see *Prunus persica*)
- PEACOCK-FLOWER (see *Delonix regia*)
- PEAR (see *Pyrus* sp.)
- PEAR, BALSAM (see *Momordica charantia*)
- PEAR, JAPANESE (see *Pyrus pyrifolia*)
- PECAN (see *Carya illinoensis*)
- PEDILANTHUS sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- PEEPUL (see *Ficus religiosa*)
- PELARGONIUM sp. (geranium)
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudoparlatoria ostreata Ckll., gray scale
- PELARGONIUM DOMESTICUM Bailey (geranium)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- PELARGONIUM HORTORUM Bailey (fish geranium)
Aspidiotus destructor Sign., coconut scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- PELTOPHORUM sp.
Aspidiotus destructor Sign., coconut scale
Howardia biclavis (Comst.), mining scale

PENNISETUM PURPUREUM Schumach. (napier grass)

Aspidiella sacchari (Ckll.), sugarcane scale
Odonaspis ruthae Kotinsky, Bermuda grass scale
Odonaspis saccharicaulis (Zehnt.), para grass scale

PENTAS sp.

Howardia biclavis (Comst.), mining scale
Pseudoparlatoria ostreata Ckll., gray scale

PEPEROMIA sp.

Parlatoria proteus (Curtis), proteus scale

PEPEROMIA OBTUSIFOLIA A. Dietr.

Aspidiotus excisus Green, aglaonema scale

PEPPER (see *Capsicum* sp.)

(see *Piper* sp.)

(see *Schinus* sp.)

PEPPER, BRAZILIAN (see *Schinus terebinthifolius*)

PEPPER, RED (see *Capsicum frutescens*)

PEPPER, TREE (see *Schinus* sp.)

(see *Vitex* sp.)

PEPPER VINE (see *Ampelopsis arborea*)

PEPPER, WILD RED (see *Capsicum* sp.)

PERESKIA sp.

Diaspis echinocacti (Bouché), cactus scale

PERISTERIA ELATA Hook.

Diaspis boisduvalii Sign., Boisduval scale

PERIWINKLE (see *Vinca* sp.)

(see *Vinca major*)

(see *Vinca minor*)

PERSEA sp. (red bay, swamp bay)

Abgrallaspis comstocki (Johnson), Comstock scale

Acutaspis perseae (Comst.), red bay scale

Aonidiella orientalis (Newst.), oriental scale

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Hemiberlesia diffinis (Newst.), diffinis scale

Hemiberlesia lataniae (Sign.), latania scale

Morganella cueroensis (Ckll.), Cuero scale

Parlatoria pergandii Comst., chaff scale

Quadraspidiotus juglansregiae (Comst.), walnut scale

Velataspis dentata (Hoke), dentate scale

PERSEA AMERICANA Mill. (avocado)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Acutaspis perseae (Comst.), red bay scale

Aonidiella orientalis (Newst.), oriental scale

Aspidiotus destructor Sign., coconut scale

Aspidiotus nerii Bouché, oleander scale

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale

Hemiberlesia lataniae (Sign.), latania scale

Hemiberlesia palmarum (Ckll.), tropical palm scale

Hemiberlesia rapax (Comst.), greedy scale

Howardia biclavis (Comst.), mining scale

Lindingaspis floridana Ferris, floridana scale

Parlatoria proteus (Curtis), proteus scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaonidia duplex (Ckll.), camphor scale

Pseudischnaspis bowreyi (Ckll.), Bowrey scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

Selenaspis articulatus (Morg.), rufous scale

PERSEA BORBONIA (L.) Spreng. (red bay)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Abgrallaspis howardi (Ckll.), Howard scale

Aspidiotus nerii Bouché, oleander scale

Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

PERSEA LITTORALIS Small (shorebay)

Aspidiotus destructor Sign., coconut scale

Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale

PERSEA PALUSTRIS (Raf.) Sarg. (swamp bay)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

Velataspis dentata (Hoke), dentate scale

PERSIMMON (see *Diospyros* sp.)

(see *Diospyros virginiana*)

PERSIMMON, DATE-PALM (see *Diospyros lotus*)

PERSIMMON, JAPANESE (see *Diospyros kaki*)

PERSIMMON, WILD (see *Diospyros* sp.)

PETALOSTEMON CORYMBOSUS Michx. (summer farewell)

Rhizaspidotus dearnessi (Ckll.), dearness scale

PETALOSTEMON FEAYI Chapm. (prairie clover)

Rhizaspidotus dearnessi (Ckll.), dearness scale

PETREA sp. (purple wreath)

Palinaspis quohogiformis (Merrill), quohog-shaped scale

PHAIUS sp.

Diaspis boisduvalii Sign., Boisduval scale

Hemiberlesia palmae (Ckll.), tropical palm scale

PHAIUS GRANDIFOLIUS Lour. (orchid)

Aspidiotus destructor Sign., coconut scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

PHAIUS MACULATUS Lindl. (orchid)

Parlatoria proteus (Curtis), proteus scale

PHALAENOPSIS sp. (moth orchid)

Parlatoria proteus (Curtis), proteus scale

PHELLODENDRON sp. (cork tree)

Pinnaspis strachani (Cooley), lesser snow scale

PHILADELPHUS sp. (mock orange)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

PHILODENDRON sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Furcaspis biformis (Ckll.), orchid scale

PHILODENDRON CORDATUM Kunth (philodendron)

Hemiberlesia lataniae (Sign.), latania scale

Ischnaspis longirostris (Sign.), black thread scale

PHILODENDRON X EVANSII (*Philodendron seloum* C. Koch X *Philodendron speciosum* Schott)

Ischnaspis longirostris (Sign.), black thread scale

PHILODENDRON 'FLORIDA' (*Philodendron laciniosum* Schott X *Philodendron squamiferum* Poepp.)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Pinnaspis strachani (Cooley), lesser snow scale

PHILODENDRON LACINIOSUM Schott (philodendron)

Pinnaspis strachani (Cooley), lesser snow scale

PHILODENDRON OXYCARDIUM Schott (heart-shaped philodendron)

Hemiberlesia lataniae (Sign.), latania scale

PHILODENDRON PANDURAEFORME Kunth.

Parlatoria proteus (Curtis), proteus scale

PHILODENDRON PEDATUM Kunth.

Chrysomphalus aonidum (Linnaeus), Florida red scale

PHILODENDRON PERTUSUM Kunth & Bouché

Ischnaspis longirostris (Sign.), black thread scale

Parlatoria proteus (Curtis), proteus scale

PHILODENDRON SELLOUM C. Koch

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

PHILODENDRON SODIROI Hort. (philodendron)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

PHILODENDRON VERRUCOSUM Math. (philodendron)

Aspidiotus destructor Sign., coconut scale

Diaspis boisduvalii Sign., Boisduval scale

PHILODENDRON WENDLANDII Schott

Chrysomphalus aonidum (Linnaeus), Florida red scale

Parlatoria proteus (Curtis), proteus scale

PHOENIX sp. (palm)

Aonidiella orientalis (Newst.), oriental scale

Aspidiotus spinosus Comst., spinose scale

Lindingaspis floridana Ferris, floridana scale

Selenaspidus articulatus (Morg.), rufous scale

PHOENIX CANARIENSIS Chaub. (Canary Island date palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Comstockiella sabalis (Comst.), palmetto scale
Diaspis boisduvalii Sign., Boisduval scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudoparlatoria parlatoroides (Comst.), false parlatoria scale

PHOENIX DACTYLIFERA L. (date palm)

Aonidiella orientalis (Newst.), oriental scale
Comstockiella sabalis (Comst.), palmetto scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale

PHOENIX HUMILIS Royle (see *Phoenix roebelenii*)

PHOENIX LOUREIRI Kunth (see *Phoenix roebelenii*)

PHOENIX PUSILLA Gaertn. (palm)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Parlatoria proteus (Curtis), proteus scale

PHOENIX RECLINATA Jacq. (senegal date palm)

Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

PHOENIX ROEBELENI O'Brien (pigmy date palm, dwarf date palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiella sacchari (Ckll.), sugarcane scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

PHOENIX RUPICOLA T. And. (palm)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria proteus (Curtis), proteus scale

PHOENIX SYLVESTRIS (Linn.) Roxbg. (palm)

Aspidiotus spinosus Comst., spinose scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale

PHORADENDRON FLAVESCENS Nutt. (mistletoe)

Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale
Neopinnaspis harperi McKenzie, Harper scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Velataspis dentata (Hoke), dentate scale

PHORMIUM TENAX Forst. (New Zealand or California flax)

Aspidiella sacchari (Ckll.), sugarcane scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

PHOTINIA sp.

Parlatoria pergandii Comst., chaff scale

PHOTINIA GLABRA (Thunb.) Maxim. (Japanese photinia)

Hemiberlesia lataniae (Sign.), latania scale
Pseudaonidia duplex (Ckll.), camphor scale
Quadraspidotus perniciosus (Comst.), San Jose scale

PHOTINIA SERRULATA Lindl. (photinia)

Chrysomphalus aonidum (Linnaeus), Florida red scale

- Melanaspis mimosae* (Comst.), mimosa scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
Quadraspidiotus perniciosus (Comst.), San Jose scale
- PHRAGMITES COMMUNIS** Trin. (common reed or cane)
Odonaspis saccharicaulis (Zehntner), para grass scale
- PHYLA NODIFLORA** Greene
Hemiberlesia lataniae (Sign.), latania scale
- PHYLLANTHUS** sp. (leaf flower)
Parlatoria pergandii Comst., chaff scale
- PHYLLANTHUS CAROLINENSIS** Walt.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- PHYSOSTEGIA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- PHYTELEPHAS MACROCARPA** Seem. (ivory palm)
Aspidiotus destructor Sign., coconut scale
- PHYTOLACCA** sp. (pokeberry, pokeweed)
Aspidiotus nerii Bouché, oleander scale
- PHYTOLACCA AMERICANA** L. (pokeweed)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- PICEA** sp. (spruce tree)
Carulaspis minima (Targ. - Tozz.), minute cy-press scale
- PICEA PUNGENS** Eng. (Colorado blue spruce)
Chionaspis pinifoliae (Fitch), pine needle scale
- PIERIS PHILLYREIFOLIUS** (Hook.) DC.
Acutaspis perseae (Comst.), red bay scale
- PIGEONBERRY** (see *Duranta repens*)
- PIGEON PLUM** (see *Coccoloba diversifolia*)
- PIGNUT** (see *Mascarena* sp.)
- PIMENTA OFFICINALIS** Lindl. (allspice)
Hemiberlesia lataniae (Sign.), latania scale
- PIMPINELLA ANISUM** L. (anise tree)
Lepidosaphes beckii (Newman), purple scale
- PINCKNEYA PUBENS** Michx. (fever-bark)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- PINE** (see *Pinus* sp.)
- PINE, ALEPPO** (see *Pinus halepensis*)
- PINE, AUSTRALIAN** (see *Casuarina* sp.)
 (see *Casuarina cunninghamiana*)
 (see *Casuarina equisetifolia*)
 (see *Casuarina lepidophloia*)
 (see *Casuarina stricta*)
- PINE, AUSTRIAN** (see *Pinus nigra*)
- PINE, CYPRESS** (see *Callistris robusta*)
- PINE, JAPANESE DWARF BLACK** (see *Pinus thunbergia*)
- PINE, JERUSALEM** (see *Pinus halepensis*)
- PINE, KAURI** (see *Agathis* sp.)
 (see *Agathis australis*)
- PINE, LOBLOLLY** (see *Pinus taeda*)
- PINE, LONGLEAF** (see *Pinus palustris*)
- PINE, NORFOLK ISLAND** (see *Araucaria* sp.)
 (see *Araucaria excelsa*)
- PINE, SAND** (see *Pinus clausa*)
- PINE, SCOTCH** (see *Pinus sylvestris*)
- PINE, SCREW** (see *Pandanus* sp.)
 (see *Pandanus veitchii*)
- PINE, SCRUB** (see *Pinus clausa*)
- PINE, SLASH** (see *Pinus elliottii*)
- PINE, SOUTH FLORIDA SLASH** (see *Pinus elliottii densa*)
- PINE, SPRUCE** (see *Pinus glabra*)
- PINE, SWISS MOUNTAIN** (see *Pinus mugo*)
- PINE, VIRGINIA** (see *Pinus virginiana*)

PINEAPPLE (see *Ananas* sp.)
(see *Ananas bracteata*)
(see *Ananas comosus*)

PINEAPPLE-FLOWER (see *Eucomis comosa*)

PINK BALL (see *Dombeya* sp.)

PINK VINE (see *Antigonon* sp.)
(see *Antigonon leptopus*)

PINUS sp. (pine)

Hemiberlesia lataniae (Sign.), latania scale
Nuculaspis californica (Coleman), black pineleaf scale
Pseudoparlatoria ostreata Ckll., gray scale
Selenaspidus articulatus (Morg.), rufous scale
Velataspis dentata (Hoke), dentate scale

PINUS CLAUSA (Chapm.) Vasey (scrub or sand pine)

Acutaspis perseae (Comst.), red bay scale
Chionaspis pinifoliae (Fitch), pine needle scale

PINUS ECHINATA Mill. (shortleaf pine)

Chionaspis heterophyllae Cooley, pine scale

PINUS ELLIOTTII Engelm. (slash pine)

Acutaspis morrisonorum Kosztarab, round conifer scale
Acutaspis perseae (Comst.), red bay scale
Chionaspis heterophyllae Cooley, pine scale
Chionaspis pinifoliae (Fitch), pine needle scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Nuculaspis californica (Coleman), black pineleaf scale
Quadrastpidiotus juglansregiae (Comst.), walnut scale

PINUS ELLIOTTII Engelm., var. *DENSA* Little & Dorman (South Florida slash pine)

Acutaspis morrisonorum Kosztarab, round conifer scale
Chionaspis pinifoliae (Fitch), pine needle scale

PINUS GLABRA Walt. (spruce pine)

Chionaspis pinifoliae (Fitch), pine needle scale

PINUS HALEPENSIS Mill. (Aleppo or Jerusalem pine)

Chionaspis heterophyllae Cooley, pine scale
Chrysomphalus aonidum (Linnaeus), Florida red scale

PINUS MUGO Turra. (Swiss mountain pine)

Lepidosaphes pallida (Mask.), Maskell scale

PINUS NIGRA Arn. (Austrian pine)

Chionaspis heterophyllae Cooley, pine scale

PINUS PALUSTRIS Mill. (longleaf pine)

Acutaspis perseae (Comst.), red bay scale
Chionaspis heterophyllae Cooley, pine scale
Chionaspis pinifoliae (Fitch), pine needle scale

PINUS SYLVESTRIS L. (Scotch pine)

Chionaspis heterophyllae Cooley, pine scale
Chionaspis pinifoliae (Fitch), pine needle scale

PINUS TAEDA L. (loblolly pine)

Chionaspis heterophyllae Cooley, pine scale
Chionaspis pinifoliae (Fitch), pine needle scale

PINUS THUNBERGII Parl. (Japanese dwarf black pine)

Chionaspis heterophyllae Cooley, pine scale
Chionaspis pinifoliae (Fitch), pine needle scale

PINUS VIRGINIANA Mill. (Virginia pine)

Chionaspis pinifoliae (Fitch), pine needle scale

PIPER sp. (pepper, black pepper)

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

PISCIDIA PISCIPULA (L.) Sarg. (Jamaica dogwood)

Aspidiotus destructor Sign. coconut scale
Clavaspis coursetiae (Marl.), pigeon plum scale

PISONIA BRUNONIAN Endl. 'VARIEGATA'

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

PITANGA (see *Eugenia uniflora*)

PITHECELLOBIUM sp. (cat's claw)

Howardia biclavis (Comst.), mining scale

PITHECELLOBIUM FLEXICAULE (Benth.) Coult. (ebony apes earring)

Ischnaspis longirostris (Sign.), black thread scale

PITHECELLOBIUM GUADALUPENSE (Pers.) Chapm. (black bead)

Howardia biclavis (Comst.), mining scale

PITHECELLOBIUM UNGUIS-CATI Mart.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

PITTOSPORUM sp.

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale
Parlatoria pergandii Comst., chaff scale

PITTOSPORUM, JAPANESE (see *Pittosporum tobira* Ait. 'Variegatum')

PITTOSPORUM TOBIRA Ait. **VARIEGATUM** (Japanese pittosporum)

- Pinaspis strachani* (Cooley), lesser snow scale

PLANERA AQUATICA Gmel. (water elm, planer tree)

- Melanaspis obscura* (Comst.), obscure scale

PLANER TREE (see *Planera aquatica*)**PLATANUS** sp. (sycamore tree)

- Aspidiotus nerii* Bouché, oleander scale
Diaspidiotus ancylus (Put.), Putnam scale
Hemiberlesia lataniae (Sign.), latania scale

PLATYCERIUM sp. (staghorn fern)

- Hemiberlesia lataniae* (Sign.), latania scale

PLATYCERIUM BIFURCATUM C. Chr. (stag-horn fern)

- Pinaspis aspidistrae* (Sign.), fern scale
Pinaspis strachani (Cooley), lesser snow scale

PLATYCERIUM WILLINCKII Moore (elkhorn fern)

- Pinaspis aspidistrae* (Sign.), fern scale

PLECTRONIA ODORATA Benth. & Hook. f.

- Aspidiotus nerii* (Bouché), oleander scale
Howardia biclavis (Comst.), mining scale

PLEIOGYNIUM sp.

- Chrysomphalus aonidum* (Linnaeus), Florida red scale

PLEUROTHALLIS SAUROCEPHALA Lodd. (orchid)

- Parlatoria proteus* (Curtis), proteus scale

PLUMBAGO sp. (leadwort)

- Chrysomphalus aonidum* (Linnaeus), Florida red scale

PLUM (see *Prunus* sp.)
(see *P. americana*)

PLUM, BURDEKIN (see *Pleiogynium* sp.)

PLUM, COCO (see *Chrysobalanus* sp.)

PLUM, DOVE (see *Coccoloba diversifolia*)

PLUM, GARDEN (see *Prunus domestica*)

PLUM, GOPHER (see *Chrysobalanus* sp.)

PLUM, GOVERNORS (see *Flacourtia indica*)

PLUM, HOG (see *Prunus* sp.)
(see *Spondias* sp.)

PLUM, JAMBOLAN (see *Syzygium cuminii*)

PLUM, JAVA (see *Eugenia jambolana*)

PLUM, NATAL (see *Carissa grandiflora*)

PLUM, PIGEON (see *Coccoloba diversifolia*)

PLUM, SPANISH (see *Spondias purpurea*)

PLUMERIA sp. (frangipani)

- Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale

PLUMERIA RUBRA L. (frangipani)

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Pinaspis strachani (Cooley), lesser snow scale

PODOCARPUS sp. (podocarpus, yew)

- Aonidiella taxus* Leon., Asiatic red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale

PODOCARPUS ELONGATA L'Her. (podocarpus)

- Lepidosaphes gloverii* (Pack.), Glover scale

PODOCARPUS MACROPHYLLA Don

- Aonidiella taxus* Leon., Asiatic red scale
Lepidosaphes gloverii (Pack.), Glover scale
Melanaspis mimosae (Comst.), mimosa scale

PODOCARPUS MACROPHYLLA D. Don 'MAKI' (podocarpus)

- Aonidiella taxus* Leon., Asiatic red scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Melanaspis mimosae (Comst.), mimosa scale
Parlatoria proteus (Curtis), proteus scale

PODOCARPUS NAGI Makino (podocarpus)

- Parlatoria proteus* (Curtis), proteus scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale

POINCIANA sp.

- Palinaspis quohogiformis* (Merrill), quohog-shaped scale
Pinnaspis strachani (Cooley), lesser snow scale

POINCIANA, DWARF (see *Caesalpinia pulcherrima*) (see *Poinciana pulcherrima*)**POINCIANA PULCHERRIMA** L. (dwarf poinciana, barbados flower-fence)

- Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale

POINCIANA, ROYAL (see *Delonix regia*)**POINSETTIA** (see *Euphorbia pulcherrima*)**POINSETTIA, WILD** (see *Euphorbia heterophylla*)**POISON-NUT** (see *Strychnos spinosa*)**POISONWOOD, FLORIDA** (see *Metopium toxiferum*)**POKEBERRY** (see *Phytolacca* sp.)**POKEWEED** (see *Phytolacca* sp.) (see *Phytolacca americana*)**POLEMONIUM CAERULEUM** L. (Jacob's ladder)

- Acutaspis perseae* (Comst.), red bay scale

POLYCODIUM FLORIDANUM (Nutt.) Greene, deer-berry

- Hemiberlesia lataniae* (Sign.), latania scale

POLYGALA RUGELII Shuttlw. (milkwort)

- Aonidomytilus solidaginis* (Hoke), goldenrod scale
Aspidiotus spinosus Comst., spinose scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

POLYGONELLA FIMBRIATA (Ell.) Horton (thysanella)

- Pinnaspis aspidistrae* (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Rhizaspidotus dearnessi (Ckll.), dearness scale

POLYPODIUM POLYPODIOIDES (L.) Watt (resurrection fern)

- Pinnaspis aspidistrae* (Sign.), fern scale

POLYPODIUM PUNCTATUM (L.) Sw. (polypody fern)

- Pinnaspis aspidistrae* (Sign.), fern scale

POLYSCIAS sp.

- Pseudaulacaspis cockerelli* (Cooley), false oleander scale

POLYSTICHUM ADIANTIFORME J. Smith (leatherleaf fern)

- Pinnaspis aspidistrae* (Sign.), fern scale

POLYSTICHUM LONCHITIS (L.) Roth (leatherleaf fern)

- Pinnaspis aspidistrae* (Sign.), fern scale

POMEGRANATE (see *Punica granatum*)**POMEGRANATE, DWARF** (see *Punica granatum* 'Nana')**PONCIRUS TRIFOLIATA** Raf. (trifoliate orange)

- Aonidiella citrina* (Coq.), yellow scale
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Fiorinia theae Green, tea scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria pergandii Comst., chaff scale
Quadraspidotus perniciosus (Comst.), San Jose scale
Unaspis citri (Comst.), citrus snow scale

PONCIRUS TRIFOLIATA (L.) Raf. X **CITRUS SINENSIS** (L.) Osbeck (Carrizo citrange)

- Aonidiella citrina* (Coq.), yellow scale

PONGAMIA sp.

- Chrysomphalus aonidum* (Linnaeus), Florida red scale

PONYTAIL PLANT (see *Beaucarnea recurvata*) (see *Nolina* sp.)

- POPINAC (see *Acacia* sp.)
(see *Acacia farnesiana*)
- POPLAR (see *Populus* sp.)
- POPLAR, TULIP (see *Liriodendron tulipifera*)
- POPULUS sp. (poplar)
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus juglansregiae (Comst.), walnut scale
Quadraspidotus perniciosus (Comst.), San Jose scale
- PORTIA-TREE (see *Thespesia* sp.)
- PORTULACA GRANDIFLORA Hook. (rose-moss)
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
- POSOQUERIA LATIFOLIA R. & S.
Hemiberlesia lataniae (Sign.), latania scale
- POTATO, SWEET (see *Ipomoea batatas*)
- POTHOMORPHE PELTATA (L.) Miquel
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- POTHOS (see *Scindapsus aureus*)
- POTHOS SCANDENS L.
Parlatoria proteus (Curtis), proteus scale
- POUTERIA CAMPECHIANA (HBK) (ti-es, egg-fruit)
Howardia biclavis (Comst.), mining scale
- POWDERPUFF (see *Calliandra californica*)
- POWDERPUFF TREE (see *Calliandra haematocephala*)
- PRAYER PLANT (see *Maranta* sp.)
(see *Maranta leuconeura* var. *kerchoveana*)
- PRICKLY ASH (see *Zanthoxylum clava-herculis*)
- PRIDE-OF-INDIA (see *Melia azedarach*)
- PRITCHARDIA sp. (palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
- PRIVET (see *Ligustrum* sp.)
(see *Ligustrum lucidum*)
(see *Ligustrum quihoui*)
- PRIVET, CALIFORNIA (see *Ligustrum ovalifolium*)
- PRIVET, COMMON (see *Ligustrum vulgare*)
- PRIVET, FLORIDA (see *Forestiera porulosa*)
- PRIVET, JAPANESE (see *Ligustrum japonicum*)
- PRIVET, SHINING (see *Ligustrum lucidum*)
- PRIVET, WAX (see *Ligustrum japonicum*)
- PRUNUS sp. (peach, cherrylaurel, laurelcherry, plum, cherry, wild almond, prune, hog plum)
Aulacaspis rosae (Bouché), rose scale
Chionaspis furfura (Fitch), scurfy scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Clavaspis herculeana (Doane & Hadden), herculeana scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Duplaspidotus tesseratus (Grandpré & Char-moy), tesserate scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes gloverii (Pack.), Glover scale
Mycetaspis personata (Comst.), masked scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus forbesi (Johnson), Forbes scale
Quadraspidotus juglansregiae (Comst.), walnut scale
Quadraspidotus perniciosus (Comst.), San Jose scale
Selenaspis articulatus (Morg.), rufous scale
- PRUNUS AMERICANA Marsh. (plum)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus perniciosus (Comst.), San Jose scale

PRUNUS AMYGDALUS Batsch (almond)

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

PRUNUS CAROLINIANA (Mill.) Ait. (laurel-cherry), Carolina laurelcherry, cherry laurel)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Duplaspidiotus claviger (Ckll.), camellia mining scale

Hemiberlesia lataniae (Sign.), latania scale

Pseudaonidia duplex (Ckll.), camphor scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

Quadraspidiotus juglansregiae (Comst.), walnut scale

Quadraspidiotus perniciosus (Comst.), San Jose scale

PRUNUS DOMESTICA L. (garden plum)

Quadraspidiotus perniciosus (Comst.), San Jose scale

PRUNUS PERSICA Batsch (peach)

Hemiberlesia lataniae (Sign.), latania scale

Howardia biclavis (Comst.), mining scale

Pseudaonidia duplex (Ckll.), camphor scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

Quadraspidiotus juglansregiae (Comst.), walnut scale

Quadraspidiotus perniciosus (Comst.), San Jose scale

PRUNUS PERSICA Batsch var. **NECTARINA** (Ait.) Maxim. (nectarine)

Quadraspidiotus juglansregiae (Comst.), walnut scale

Quadraspidiotus perniciosus (Comst.), San Jose scale

PRUNE (see *Prunus* sp.)**PSEUDOPHOENIX** sp. (palm)

Parlatoria proteus (Curtis), proteus scale

PSEUDOPHOENIX SARGENTII Wendl. (palm)

Ischnaspis longirostris (Sign.), black thread scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

PSIDIUM sp. (guava)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus destructor Sign., coconut scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Duplaspidiotus claviger (Ckll.), camellia mining scale

Hemiberlesia rapax (Comst.), greedy scale

Parlatoria pergandii Comst., chaff scale

Pseudaonidia duplex (Ckll.), camphor scale

PSIDIUM GUAJAVA L. (common guava)

Aonidiella orientalis (Newst.), oriental scale

Hemiberlesia lataniae (Sign.), latania scale

Pseudischnaspis bowreyi (Ckll.), Bowrey scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

PSYCHOTRIA SULZNERI Small (wild coffee)

Howardia biclavis (Comst.), mining scale

Pinnaspis strachani (Cooley), lesser snow scale

PSYCHOTRIA UNDATA Jacq. (wild coffee, semi-nole balsamo)

Howardia biclavis (Comst.), mining scale

Ischnaspis longirostris (Sign.), black thread scale

Pinnaspis strachani (Cooley), lesser snow scale

PTELEA TRIFOLIATA L. (wafer ash)

Hemiberlesia rapax (Comst.), greedy scale

Pseudaonidia duplex (Ckll.), camphor scale

PTERIS sp. (table fern)

Pinnaspis aspidistrae (Sign.), fern scale

PTYCHOSPERMA sp. (palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Diaspis boisduvalii Sign., Boisduval scale

Hemiberlesia lataniae (Sign.), latania scale

Parlatoria pergandii Comst., chaff scale

Parlatoria proteus (Curtis), proteus scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

PTYCHOSPERMA ELEGANS (R. Br.) Blume (solitaire palm)

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Ischnaspis longirostris (Sign.), black thread scale

PTYCHOSPERMA MACARTHURII (Wendl.) Nichols. (Macarthur palm)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

Ischnaspis longirostris (Sign.), black thread scale

PUDDING PIPE TREE (see *Cassia fistula*)

PUERARIA sp. (kudzu vine)

Aspidiotus nerii Bouché, oleander scale

PUERARIA THUNBERGIANA Benth. (kudzu vine)

Pseudaonidia duplex (Ckll.), camphor scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

PUMPKIN, FIELD (see *Cucurbita pepo*)

PUMPWOOD (see *Cecropia* sp.)

PUNICA GRANATUM L. (pomegranate)

Aspidiotus destructor Sign., coconut scale

Hemiberlesia lataniae (Sign.), latania scale

Howardia biclavis (Comst.), mining scale

Selenaspis articulatus (Morg.), rufous scale

PUNICA GRANATUM L. 'NANA'

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

PUNCTURE WEED (see *Tribulus terrestris*)

PUNK TREE (see *Melaleuca leucadendra*)

PURGENUT (see *Jatropha* sp.)

PURPLE WREATH (see *Petrea* sp.)

PURSLANE, SEA (see *Sesuvium* sp.)

PYCNODORIA VITTATA (L.) Small (fern)

Pinnaspis aspidistrae (Sign.), fern scale

PYRACANTHA sp. (firethorn)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Duplaspidotus claviger (Ckll.), camellia mining scale

Hemiberlesia lataniae (Sign.), latania scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

PYRACANTHA COCCINEA Roem. (firethorn)

Aonidiella orientalis (Newst.), oriental scale

Howardia biclavis (Comst.), mining scale

Parlatoria pergandii Comst., chaff scale

Pseudaonidia duplex (Ckll.), camphor scale

Quadraspidotus perniciosus (Comst.), San Jose scale

PYRACANTHA CRENULATA Roem. (firethorn)

Quadraspidotus juglansregiae (Comst.), walnut scale

PYROSTEGIA sp.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Howardia biclavis (Comst.), mining scale

Ischnaspis longirostris (Sign.), black thread scale

Parlatoria pergandii Comst., chaff scale

Parlatoria proteus (Curtis), proteus scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

PYROSTEGIA IGNEA (Vell.) Presl. (flame vine)

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

PYRUS sp. (pear)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Chionaspis furfura (Fitch), scurfy scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Diaspidiotus ancylus (Put.), Putnam scale

Hemiberlesia lataniae (Sign.), latania scale

Hemiberlesia rapax (Comst.), greedy scale

Melanaspis mimosae (Comst.), mimosa scale

Pseudaonidia duplex (Ckll.), camphor scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

Quadraspidotus forbesi (Johnson), Forbes scale

Velataspis dentata (Hoke), dentate scale

PYRUS COMMUNIS L. (pear)

Quadraspidotus juglansregiae (Comst.), walnut scale

Quadraspidotus perniciosus (Comst.), San Jose scale

PYRUS PYRIFOLIA Nakai (Japanese pear)

Quadraspidotus perniciosus (Comst.), San Jose scale

QUARTER-VINE (see *Bignonia capreolata*)

QUEEN'S FLOWER (see *Lagerstroemia spectabilis*)

- QUEEN'S-ROOTS (see *Stillingia angustifolia*)
- QUEENSLAND NUT (see *Macadamia* sp.)
(see *Macadamia ternifolia*)
- QUERCUS sp. (European oak, Japanese oak)
Acutaspis perseae (Comst.), red bay scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspidiotus ancylus (Put.), Putnam scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Neopinnaspis harperi McKenzie, Harper scale
Pinnaspis strachani (Cooley), lesser snow scale
Quernaspis quercus (Comst.), oak scale
Velataspis dentata (Hoke), dentate scale
- QUERCUS COCCINEA Muenchh. (scarlet oak)
Melanaspis obscura (Comst.), obscure scale
- QUERCUS LAEVIS Walt. (scrub oak)
Melanaspis obscura (Comst.), obscure scale
- QUERCUS LAURIFOLIA Michx. (laurel oak)
Melanaspis obscura (Comst.), obscure scale
Pseudaonidia duplex (Ckll.), camphor scale
- QUERCUS NIGRA L. (water oak)
Hemiberlesia rapax (Comst.), greedy scale
Melanaspis obscura (Comst.), obscure scale
Quernaspis quercus (Comst.), oak scale
- QUERCUS PALUSTRIS Muenchh. (pin oak)
Melanaspis obscura (Comst.), obscure scale
Pseudaonidia duplex (Ckll.), camphor scale
- QUERCUS RUBRA L. (Northern red oak)
Melanaspis obscura (Comst.), obscure scale
- QUERCUS STALLATA Wangenh. var. *MARGARETTA* (Ashe) Sarg. (sand post oak)
Diaspidiotus osborni (Newell & Ckll.), Osborn scale
- QUERCUS VIRGINIANA Mill. (live oak)
Melanaspis obscura (Comst.), obscure scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
Quernaspis quercus (Comst.), oak scale
- QUINCE (see *Cydonia oblonga*)
- QUINCE, FLOWERING (see *Chaenomeles* sp.)
- QUISQUALIS sp. (rangoon-creeper)
Howardia biclavis (Comst.), mining scale
Parlatoria proteus (Curtis), proteus scale
- QUISQUALIS INDICA L. (rangoon-creeper)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Hemiberlesia lataniae (Sign.), latania scale
- RADERMACHERA sp.
Aspidiotus destructor Sign., coconut scale
- RAGWEED (see *Ambrosia* sp.)
- RAINTREE (see *Brunfelsia* sp.)
(see *Samanea saman*)
- RAIN-TREE, FLAME GOLDEN (see *Koelreuteria formosana*)
- RAIN-TREE, GOLDEN (see *Koelreuteria paniculata*)
- RAMIE (see *Boehmeria nivea*)
- RANDIA sp.
Ischnaspis longirostris (Sign.), black thread scale
- RANDIA ACULEATA L.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- RANDIA FORMOSA K. Schum.
Pseudaulacaspis major (Ckll.), lychee bark scale
- RANGOON-CREEPER (see *Quisqualis* sp.)
(see *Quisqualis indica*)
- RASPBERRY (see *Rubus* sp.)
- RATAMA (see *Parkinsonia aculeata*)
- RATTAN VINE (see *Berchemia scandens*)
- RATTLE-BOX (see *Crotalaria spectabilis*)
- RAVENALA MADAGASCARIENSIS Sonn. (traveler's palm)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis boisduvalii Sign., Boisduval scale
Parlatoria proteus (Curtis), proteus scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- REDBUD (see *Cercis* sp.)
(see *Cercis canadensis*)

(see *Cercis chinensis*)REDBUD TREE (see *Cercis canadensis*)RED GUM (see *Liquidambar styraciflua*)RED LATAN (see *Latania lontaroides*)RED MOMBIN (see *Spondias purpurea*)REED, COMMON (see *Phragmites communis*)**RENANTHERA STORIEI** Reichb. (orchid)*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Parlatoria proteus* (Curtis), proteus scale**RHACOMA ILICIFOLIA** (Poir.) Trelease (rhacoma)*Pseudoparlatoria parlatorioides* (Comst.), false parlatoria scale**RHAMNUS** sp. (buckthorn)*Melanaspis tenebricosa* (Comst.), gloomy scale**RHAPHIOLEPIS** sp. (India hawthorn)*Aspidiotus spinosus* Comst., spinose scale*Lepidosaphes camelliae* Hoke, camellia scale**RHAPHIOLEPIS INDICA** Lindl. (India hawthorn)*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale**RHAPIDOPHYLLUM HYSTRIX** (Pursh) H. Wendl. & Drude (needle palm, dwarf saw palmetto)*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale*Comstockiella sabalis* (Comst.), palmetto scale*Diaspis boisduvalii* Sign., Boisduval scale*Hemiberlesia lataniae* (Sign.), latania scale*Ischnaspis longirostris* (Sign.), black thread scale*Parlatoria proteus* (Curtis), proteus scale*Pseudaulacaspis cockerelli* (Cooley), false oleander scale**RHAPIS** sp. (lady palm)*Aspidiotus spinosus* Comst., spinose scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Diaspis boisduvalii* Sign., Boisduval scale**RHAPIS EXCELSA** (Thunb.) Henry (lady palm)*Pinnaspis aspidistrae* (Sign.), fern scale*Pinnaspis strachani* (Cooley), lesser snow scale**RHEEDIA ARISTATA** Griseb.*Howardia biclavis* (Comst.), mining scale**RHIZOPHORA** sp. (mangrove)*Acutaspis perseae* (Comst.), red bay scale**RHIZOPHORA MANGLE** L. (red mangrove)*Clavaspis herculeana* (Doane & Hadden), herculeana scale*Pseudaulacaspis cockerelli* (Cooley), false oleander scale**RHODODENDRON** sp. (azalea)*Acutaspis perseae* (Comst.), red bay scale*Aspidiotus nerii* Bouché, oleander scale*Aspidiotus spinosus* Comst., spinose scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Duplaspidotus claviger* (Ckll.), camellia mining scale*Duplaspidotus tesseratus* (Grandpré & Char-moy), tesserate scale*Hemiberlesia rapax* (Comst.), greedy scale*Pseudaonidia duplex* (Ckll.), camphor scale*Pseudaulacaspis cockerelli* (Cooley), false oleander scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale*Quadraspidotus juglansregiae* (Comst.), walnut scale**RHODODENDRON INDICUM** (L.) Sweet (azalea)*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale*Hemiberlesia lataniae* (Sign.), latania scale*Hemiberlesia rapax* (Comst.), greedy scale**RHODOMYRTUS TOMENTOSA** Wight (downy myrtle)*Parlatoria proteus* (Curtis), proteus scale**RHOPALOBLASTE** sp. (palm)*Aspidiotus destructor* Sign., coconut scale**RHOPALOSTYLIS SAPIDA** Wendl. & Drude (feather-duster palm)*Ischnaspis longirostris* (Sign.), black thread scale**RHUS** sp. (sumac)*Abgrallaspis townsendi* (Ckll.), Townsend scale*Diaspidiotus ancylus* (Put.), Putnam scale*Pseudaonidia duplex* (Ckll.), camphor scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale*Quadraspidotus juglansregiae* (Comst.), walnut scale

- RHUS LEUCANTHA** Jacq. (sumac)
Pinnaspis strachani (Cooley), lesser snow scale
- RHUS RADICANS** L. (poison ivy)
Duplaspidotus claviger (Ckll.), camellia mining scale
- RHUS TOXICODENDRON** L. (poison oak)
Pseudaonidia duplex (Ckll.), camphor scale
- RHYNCHELYTRUM ROSEUM** (Nees) Stapf & Hubb. (natal grass)
Aspidiella sacchari (Ckll.) sugarcane scale
Odonaspis ruthae Kotinsky, Bermuda grass scale
- RHYNOCOSTYLIS RETUSA** (L.) Bl.
Diaspis boisduvalii Sign., Boisduval scale
- RIBES** sp. (currants, gooseberries)
Quadraspidiotus perniciosus (Comst.), San Jose scale
Parlatoria pergandii Comst., chaff scale
- RIBBON BUSH** (see *Homalocladium platycladum*)
- RICE PAPER PLANT** (see *Tetrapanax papyriferus*)
- RICE PAPER PLANT, CHINESE** (see *Tetrapanax* sp.)
 (see *Tetrapanax papyriferus*)
- RICHARDIA BRASILIENSIS** (Moq.) Gomez (Mexican clover)
Aspidiotus destructor Sign., coconut scale
- RICINUS COMMUNIS** L. (castorbean)
Aonidiella orientalis (Newst.), oriental scale
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- ROBINIA** sp. (locust)
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- ROBINIA PSEUDOACACIA** L. (everflowering locust, black locust)
Aspidiotus spinosus Comst., spinose scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
- ROBINSONELLA CORDATA** Rose & Baker
Pinnaspis strachani (Cooley), lesser snow scale
- ROBLE BLANCO** (see *Tabebuia pallida*)
 (see *Tabebuia pentaphylla*)
- ROHDEA JAPONICA** R. & K. (lily family)
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
- ROLLINIA EMARGINATA** Schlect. (biriba, araticu, cachiman)
Aonidiella orientalis (Newst.), oriental scale
- ROSA** sp. (rose)
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Aulacaspis rosae (Bouché), rose scale
Duplaspidotus claviger (Ckll.), camellia mining scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia rapax (Comst.), greedy scale
Mycetaspis personata (Comst.), masked scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
Quadraspidiotus perniciosus (Comst.), San Jose scale
Selenaspis articulatus (Morg.), rufous scale
- ROSA CHINENSIS** Jacq. (China or Bengal rose)
Chrysomphalus aonidum (Linnaeus), Florida red scale
- ROSA MUSCOSA** Ait. (moss rose)
Ischnaspis longirostris (Sign.), black thread scale
- ROSA ODORATA** Sweet (tea rose)
Melanaspis mimosae (Comst.), mimosa scale
- ROSA PALUSTRIS** Marsh. (swamp rose)
Aulacaspis rosae (Bouché), rose scale
- ROSE** (see *Rosa* sp.)
- ROSE-APPLE** (see *Syzygium jambos*)
- ROSE, CONFEDERATE** (see *Hibiscus mutabilis*)
- ROSE, COTTON** (see *Hibiscus mutabilis*)
- ROSE-OF-CHINA** (see *Hibiscus rosa-sinensis*)
- ROSE-OF-SHARON** (see *Hibiscus syriacus*)
- ROSE, MOSS-** (see *Portulaca grandiflora*)
- ROSE, MOSS** (see *Rosa muscosa*)

- ROSE, MOUNTAIN (see *Antigonon* sp.)
- ROSE, SWAMP (see *Rosa palustris*)
- ROSE, TEA (see *Rosa odorata*)
- ROSEMARY (see *Ceratiola ericoides*)
- ROSEMARY, BOG (see *Andromeda* sp.)
- ROYSTONEA sp. (royal palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Comstockiella sabalis (Comst.), palmetto scale
Diaspis boisduvalii Sign., Boisduval scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- ROYSTONEA ELATA (Bartr.) F. Harper (Florida royal palm)
Ischnaspis longirostris (Sign.), black thread scale
- ROYSTONEA OLERACEA (N. J. Jacquin) O. F. Cook (Caribbean royal palm)
Comstockiella sabalis (Comst.), palmetto scale
- ROYSTONEA REGIA O. F. Cook (Cuban royal palm)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- RUBBER (see *Ficus* sp.)
- RUBBER PLANT (see *Ficus* sp.)
 (see *Ficus elastica*)
 (see *Ficus elastica* 'Doescheri')
 (see *Ficus elastica* 'Variegata')
- RUBBER, WEEPING (see *Ficus benjamina*)
- RUBBER, WILD (see *Ficus aurea*)
- RUBUS sp. (blackberry, raspberry, dewberry)
Aspidiotus spinosus Comst., spinose scale
Aulacaspis rosae (Bouché), rose scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- RUBUS URSINUS Cham. & Schlecht. (young-berry)
Aulacaspis rosae (Bouché), rose scale
Hemiberlesia lataniae (Sign.), latania scale
- RUE, COMMON (see *Ruta graveolens*)
- RUELLIA sp. (coral plant)
Ischnaspis longirostris (Sign.), black thread scale
- RUSCUS sp.
Melanaspis mimosae (Comst.), mimosa scale
- RUSCUS ACULEATUS L. (butcher's broom)
Aspidiotus nerii Bouché, oleander scale
Ischnaspis longirostris (Sign.), black thread scale
- RUTA GRAVEOLENS L. (common rue)
Hemiberlesia lataniae (Sign.), latania scale
- SABAL sp. (palmetto)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Abgrallaspis townsendi (Ckll.), Townsend scale
Acutaspis morrisonorum Kosztarab, round conifer scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
- SABAL CAUSIARUM Becc. (palm)
Comstockiella sabalis (Comst.), palmetto scale
Ischnaspis longirostris (Sign.), black thread scale
- SABAL ETONIA Swingle (scrub palmetto)
Comstockiella sabalis (Comst.), palmetto scale
Velataspis dentata (Hoke), dentate scale
- SABAL GLAUDESCENS Lodd. ex H. E. Moore (palm)
Parlatoria proteus (Curtis), proteus scale
- SABAL MEXICANA Mart. (palmetto)
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- SABAL MINOR (Jacq.) Pers. (bush or dwarf palmetto)
Comstockiella sabalis (Comst.), palmetto scale
Parlatoria proteus (Curtis), proteus scale
- SABAL PALMETTO (Walt.) Lodd. (cabbage palm)
Acutaspis perseae (Comst.), red bay scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale

- Chrysomphalus aonidum* (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Comstockiella sabalis (Comst.), palmetto scale
Diaspis boisduvalii Sign., Boisduval scale
Duplaspidotus tesseratus (Grandpré) & Char-moy, tessellate scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Lepidosaphes gloverii (Pack.), Glover scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudoparlatoria parlatoroides (Comst.), false parlatoria scale
Velataspis dentata (Hoke), dentate scale
- SACCHARUM** sp. (sugarcane grass)
Aspidiella sacchari (Ckll.), sugarcane scale
- SAGE** (see *Salvia* sp.)
- SAGE, TEXAS** (see *Leucophyllum frutescens*)
- SAINTPAULIA IONANTHA** Wendl. (African violet)
Pinnaspis aspidistrae (Sign.), fern scale
- SAKAKI** (see *Cleyera japonica*)
- SALIX** sp. (willow)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus spinosus Comst., spinose scale
Chionaspis longiloba Cooley, longiloba scale
Chionaspis salicisnigrae (Walsh), black willow scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Melanaspis mimosae (Comst.), mimosa scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SALIX BABYLONICA** L. (weeping willow)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SALIX DISCOLOR** Muhl. (pussy willow)
Chionaspis longiloba Cooley, longiloba scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis major (Ckll.), lychee bark scale
- SALIX NIGRA** Marsh. (black willow)
Neopinnaspis harperi McKenzie, Harper scale
Pseudaonidia duplex (Ckll.), camphor scale
- SALTBUSH** (see *Baccharis halimifolia*)
- SALTGRASS** (see *Distichlis* sp.)
- SALTWORT** (see *Batis maritima*)
- SALVIA** sp. (sage)
Aonidomytilus albus (Ckll.), cassava scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SALVIA COCCINEA** Juss. (red sage)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Howardia biclavis (Comst.), mining scale
- SAMANEA SAMAN** Merr. (raintree, monkey-pod, zaman)
Howardia biclavis (Comst.), mining scale
- SAMBUCUS** sp. (elderberry)
Aspidiotus spinosus Comst., spinose scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
- SAMBUCUS SIMPSONII** Rehder (Florida elder, elderberry)
Melanaspis smilacis (Comst.), smilax scale
- SANCHEZIA NOBILIS** Hook. f.
Hemiberlesia lataniae (Sign.), latania scale
- SANDALWOOD** (see *Santalum* sp.)
- SANDALWOOD, WHITE** (see *Santalum album*)
- SANDBRIER** (see *Cenchrus* sp.)
- SANDBURR** (see *Cenchrus* sp.)
- SANDSPUR** (see *Cenchrus* sp.)
- SANSEVIERIA TRIFASCIATA** Prain 'HAHNII'
Pinnaspis strachani (Cooley), lesser snow scale
- SANSEVIERIA TRIFASCIATA** Prain 'LAURENTII' (snake plant)
Pinnaspis strachani (Cooley), lesser snow scale
- SANTALUM** sp.
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- SANTALUM ALBUM** L. (white sandalwood)
Aspidiotus destructor Sign., coconut scale

- SAPINDUS** sp. (soapberry tree)
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis obscura (Comst.), obscure scale
Melanaspis tenebricosa (Comst.), gloomy scale
- SAPINDUS MARGINATUS** Willd. (soapberry)
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- SAPIUM SEBIFERUM** (L.) Roxb. (tallow tree)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SAPODILLA** (see *Achras sapota*)
- SAPODILLA, WILD** (see *Mimusops roxburghiana*)
- SAPOTE** (see *Calocarpum sapota*)
- SAPOTE, WHITE** (see *Casimiroa* sp.)
 (see *Casimiroa edulis*)
- SARCOCCA, FRAGRANT** (see *Sarcococca ruscifolia*)
- SARCOCCA RUSCIFOLIA** Stapf (Asian shrub, fragrant sarcococca)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- SATINLEAF** (see *Chrysophyllum* sp.)
 (see *Chrysophyllum oliviforme*)
- SATINLEAF STAR-APPLE** (see *Chrysophyllum* sp.)
- SATSUMA** (see *Citrus reticulata* 'Unshiu')
- SAURURUS CERNUUS** L. (lizard's tail)
Aspidiotus destructor Sign., coconut scale
- SAUSAGE TREE** (see *Kigelia pinnata*)
- SCARLET BUSH** (see *Hamelia* sp.)
 (see *Hamelia patens*)
- SCHAEFFERIA** sp. (Florida boxwood)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SCHAEFFERIA FRUTESCENS** Jacq. (English boxwood)
Melanaspis mimosae (Comst.), mimosa scale
- Pseudaulacaspis cockerelli* (Cooley), false oleander scale
- SCHEFFLERA** (see *Brassaia actinophylla*)
- SCHEFFLERA** sp.
Hemiberlesia lataniae (Sign.), latania scale (see *Brassaia* sp.)
Parlatoria proteus (Curtis), proteus scale
- SCHINUS** sp. (Brazilian pepper tree)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Clavaspis barbiger Ferris, barbiger scale
Lepidosaphes beekii (Newman), purple scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoria pergandii Comst., chaff scale
- SCHINUS TEREBINTHIFOLIUS** Raddi (Brazilian pepper tree)
Duplaspidotus claviger (Ckll.), camellia mining scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- SCHIZOLOBIUM PARAHYBUM** (Vell.) Blake
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
- SCHLUMBERGERA BRIDGESI** Lofgren (see *Zygocactus truncatus*)
- SCHOLAR-TREE, CHINESE** (see *Sophora japonica*)
- SCHOTIA BRACHYPETALA** Sond. (kafir bean tree)
Aspidiotus destructor Sign., coconut scale
- SCINDAPSUS AUREUS** Engler
Chrysomphalus aonidum (Linnaeus), Florida red scale
- SCIRPUS** sp. (bulrush)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Hemiberlesia lataniae (Sign.), latania scale

- SCOPARIA DULCIS** L. (goatweed, sweetbroom)
Aspidiotus destructor Sign., coconut scale
- SCOTCH BROOM** (see *Cytisus scoparius*)
- SEAFORTHIA** (see *Ptychosperma* sp.)
- SEAGRAPE** (see *Coccoloba uvifera*)
- SEAGRAPE, PIGEON** (see *Coccoloba diversifolia*)
- SEA-OXEYE, BUSHY** (see *Borrichia frutescens*)
- SEASIDE MAHOE** (see *Thespesia populnea*)
- SECURIDACA LONGIPEDUNCULATA** Fresn.
Aspidiotus destructor Sign., coconut scale
- SEDGE, WILD** (see *Carex* sp.)
- SEDUM** sp. (stone crop, orpine)
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SEMINOLE BREAD** (see *Zamia floridana*)
- SENECIO CONFUSUS** Britt. (Mexican flame vine)
Aspidiotus spinosus Comst., spinose scale
Fiorinia theae Green, tea scale
- SENNA** (see *Cassia* sp.)
- SENNA, BAHAMA** (see *Cassia* sp.)
- SENSITIVE PLANT** (see *Mimosa pudica*)
- SERENOA REPENS** (Bartr.) Small
Acutaspis perseae (Comst.), red bay scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Comstockiella sabalis (Comst.), palmetto scale
Ischnaspis longirostris (Sign.), black thread scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- SERISSA** sp.
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- SERISSA FOETIDA** Lam.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- Hemiberlesia lataniae* (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
- SESBANIA** sp.
Pinnaspis strachani (Cooley), lesser snow scale
- SESUVIUM** sp. (sea purslane sesuvium)
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
- SETARIA GENICULATA** (Lam.) Beauv. (knot-root bristle grass)
Odonaspis ruthae Kotinsky, Bermuda grass scale
- SEVERINIA** sp. (boxorange)
Aspidiotus destructor Sign., coconut scale
- SEVERINIA BUXIFOLIA** (Poir.) Ten. (Chinese boxorange, boxorange)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SHADDOCK** (see *Citrus grandis*)
- SHELLSEED** (see *Cochlospermum* sp.)
- SHELLSEED, YELLOWSILK** (see *Cochlospermum vitifolium*)
- SHOREBAY** (see *Persea littoralis*)
- SHOWER TREE** (see *Cassia* sp.)
- SHOWER TREE, GOLDEN** (see *Koelreuteria* sp.)
- SHRIMP PLANT** (see *Beloperone guttata*)
- SICKLE THORN** (see *Asparagus falcatus*)
- SIDA CARPINIFOLIA** L. f. (tea weed)
Aonidomytilus albus (Ckll.), cassava scale
- SIDA RUBROMARGINATA** Nash
Aonidomytilus albus (Ckll.), cassava scale

- SIDEROXYLON* sp. (mastic)
Aspidiotus spinosus Comst., spinose scale
Mycetaspis defectopalus Ferris, defecto scale
- SIGNAL GRASS (see *Brachiaria plantaginea*)
- SILK-COTTON TREE (see *Ceiba pentandra*)
- SILKOAK (see *Grevillea* sp.)
 (see *Grevillea robusta*)
- SILK-TREE (see *Albizzia julibrissin*)
- SILVERLEAF, TEXAS (see *Leucophyllum frutescens*)
- SILVERTHORN (see *Elaeagnus pungens*)
- SIMAROUBA GLAUCA DC. (paradise tree)
Selenaspis articulatus (Morg.), rufous scale
- SIRIS TREE (see *Albizzia lebeck*)
- SLIPPER FLOWER (see *Pedilanthus* sp.)
- SMILAX sp. (bamboo brier, greenbrier, horsebrier)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Abgrallaspis townsendi (Ckll.), Townsend scale
Acutaspis perseae (Comst.), red bay scale
Melanaspis smilacis (Comst.), smilax scale
Parlatoria pergandii Comst., chaff scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- SMILAX AURICULATA Walt. (greenbrier)
Melanaspis smilacis (Comst.), smilax scale
- SMILAX LAURIFOLIA L. (bamboo brier)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- SMILAX ROTUNDIFOLIA L. (greenbrier)
Pinnaspis aspidistrae (Sign.), fern scale
- SMOKE TREE (see *Cotinus* sp.)
- SMOOTH EHRETIA (see *Ehretia laevis*)
- SNAILSEED (see *Cocculus* sp.)
 (see *Cocculus laurifolius*)
- SNAIL SHIELD (see *Cocculus laurifolius*)
- SNAKES BEARD (see *Mondo* sp.)
 (see *Ophiopogon jaburan*)
- SNAKE PLANT (see *Sansevieria trifasciata* 'Laurentii')
- SNAKEROOT, BUTTON (see *Eryngium yuccifolium*)
- SNAKEWOOD (see *Cecropia* sp.)
- SNOWBELL, BIG-LEAF (see *Styrax grandifolia*)
- SNOWBELL, DOWNY (see *Styrax pulverulenta*)
 (see *Chiococca pinetorum*)
- SNOWBERRY (see *Symphoricarpos* sp.)
 (see *Symphoricarpos albus*)
 (see *Styrax americana*)
- SOAPBERRY TREE (see *Sapindus* sp.)
 (see *Sapindus marginatus*)
- SOLANDRA sp.
Diaspis bromeliae (Kern.), pineapple scale
- SOLANUM sp.
Howardia biclavis (Comst.), mining scale
Pinnaspis strachani (Cooley), lesser snow scale
- SOLANUM DULCAMARA L. (bittersweet weed)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SOLANUM PSEUDO-CAPSICUM L. (Jerusalem cherry)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SOLANUM SEAFORTHIANUM Andr. (nightshade)
Pseudoparlatoria ostreata Ckll., gray scale
- SOLIDAGO sp. (goldenrod)
Aonidomytilus solidaginis (Hoke), goldenrod scale
Hemiberlesia lataniae (Sign.), latania scale
- SOLIDAGO MINOR (Michx.) Fern.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- SOPHORA JAPONICA L. (Japanese pagoda-tree, Chinese scholar-tree)
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- SOPHORA TOMENTOSA L.
Chrysomphalus aonidum (Linnaeus), Florida red scale

- SOURSOP (see *Annona muricata*)
- SPANISH BAYONET (see *Yucca aloifolia*)
- SPANISH DAGGER (see *Yucca* sp.)
(see *Yucca aloifolia*)
(see *Yucca gloriosa*)
- SPANISH LIME (see *Melicocca bijuga*)
- SPANISH MOSS (see *Tillandsia usneoides*)
- SPANISH NEEDLE (see *Bidens pilosa*)
- SPANISH STOPPER (see *Eugenia myrtilloides*)
- SPARKLEBERRY (see *Vaccinium* sp.)
(see *Vaccinium arboreum*)
- SPARTINA ALTERNIFLORA Loisel. (smooth cord grass)
Haliaspis spartinae (Comst.), cord grass scale
- SPARTINA PATENS (Ait.) Muhl. (saltmeadow cord grass)
Circulaspis fistulella Ferris, salt grass scale
Haliaspis uniolae Takagi, sea oat scale
- SPARTINA SPARTINAE (Trin.) Merr.
Haliaspis peninsularis Howell, marsh grass scale
- SPATHIPHYLLUM sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis buxi (Bouché), screwpine scale
- SPATHIPHYLLUM FRIEDRICHSTHALII Schott (spathiphyllum)
Ischnaspis longirostris (Sign.), black thread scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- SPATHODEA CAMPANULATA Beauv.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- SPATHODEA HETEROPHYLLA R. Br.
Aspidiotus destructor Sign., coconut scale
- SPATHOGLOTTIS ALOEFOLIUM* (orchid)
Parlatoria proteus (Curtis), proteus scale
- SPATHOGLOTTIS PLICATA Blume (terrestrial orchid)
Aspidiotus destructor Sign., coconut scale
- SPICEBERRY (see *Ardisia* sp.)
- SPICE-BUSH (see *Lindera* sp.)
(see *Lindera benzoin*)
- SPICE PLANT (see *Lindera benzoin*)
- SPIDERWORT (see *Tradescantia* sp.)
- SPINDLE TREE (see *Euonymus japonicus*)
- SPIRAEA (bridalwreath, spirea)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
Quadraspidiotus perniciosus (Comst.), San Jose scale
- SPIRAEA PRUNIFOLIA Sieb. & Zucc. (bridalwreath)
Hemiberlesia lataniae (Sign.), latania scale
Quadraspidiotus juglansregiae (Comst.), walnut scale
- SPIREA (see *Spiraea* sp.)
- SPONDIAS sp. (hog plum)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Clavaspis herculeana (Doane & Hadden), herculeana scale
Melanaspis mimosae (Comst.), mimosa scale
- SPONDIAS CYTHEREA Sonn.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- SPONDIAS PURPUREA L. (Spanish plum, red mombin)
Quadraspidiotus juglansregiae (Comst.), walnut scale
- SPOROBOLIS INDICUS (see *Sporobolus poiretti*)
- SPOROBOLIS POIRETTI (Roem. & Schult.) Hitchc. (smut grass)
Odonaspis ruthae Kotinsky, Bermuda grass scale

*Authority for genus and species could not be found.

- SPRUCE TREE (see *Picea* sp.)
- SPURGE, INDIAN TREE (see *Euphorbia tirucalli*)
- ST. ANDREW'S CROSS (see *Ascyrum hypericoides*)
- STANGERIA PARADOXA** Moore
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- STANHOPEA TIGRINA** Batem.
Diaspis boisduvalii Sign., Boisduval scale
- STAPELIA** sp. (carrion flower)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- STENOCARPUS** sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- STENOLOBIUM** sp. (yellow elder)
Howardia biclavis (Comst.), mining scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
- STENOTAPHRUM SECUNDATUM** (Walt.) Kuntze (St. Augustine grass)
Aspidiella sacchari (Ckll.), sugarcane scale
Odonaspis ruthae Kotinsky, Bermuda grass scale
- STEPHANOTIS FLORIBUNDA** Brongn.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- STERCULIA ALATA*** (sterculia)
Aonidiella orientalis (Newst.), oriental scale
- STERCULIA BARTERI** Mast.
Hemiberlesia lataniae (Sign.), latania scale
- STERCULIA FOETIDA** L.
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- STERCULIA VILLOSA** Roxb. (bottle tree)
Howardia biclavis (Comst.), mining scale
- STILLINGIA ANGUSTIFOLIA** (Torr.) S. Watts (queen's-roots)
Aonidomytilus solidaginis (Hoke), goldenrod scale
- STILLINGIA SPATHULATA** (Muell. Arg.) Small
Aonidomytilus solidaginis (Hoke), goldenrod scale
Hemiberlesia lataniae (Sign.), latania scale
- STINKING CEDAR (see *Torreya* sp.)
- ST. JOHNS BREAD (see *Ceratonia siliqua*)
- ST. JOHNS WORT (see *Hypericum* sp.)
 (see *Hypericum microsepalum*)
- STONECROP (see *Sedum* sp.)
- STOPPERBERRY (see *Eugenia anthera*)
- STOPPER TREE (see *Eugenia simpsoni*)
- STORAX (see *Styrax americana*)
 (see *Styrax grandifolia*)
 (see *Styrax pulverulenta*)
- STRAWBERRY BUSH (see *Euonymus* sp.)
 (see *Euonymus americanus*)
- STRAWBERRY BUSH, RUNNING (see *Euonymus obovatus*)
- STRAWBERRY TREE (see *Arbutus unedo*)
- STRELITZIA** sp. (bird-of-paradise)
Aspidiotus spinosus Comst., spinose scale
- STRELITZIA NICOLAI** Regel & Koern. (bird-of-paradise)
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Diaspis boisduvalii Sign., Boisduval scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- STRELITZIA REGINAE** Banks (bird-of-paradise)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella citrina (Coq.), yellow scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Hemiberlesia lataniae (Sign.), latania scale
Hemiberlesia palmae (Ckll.), tropical palm scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale

*Authority for genus and species could not be found.

- Pseudaulacaspis cockerelli* (Cooley), false oleander scale
- STRING-OF-PEARLS (see *Ceropegia woodii*)
- STROBILANTHES sp. (lavenderbell, conehead)
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
- STROBILANTHES ISOPHYLLUS T. Anders. (bluebill)
Ischnaspis longirostris (Sign.), black thread scale
- STRONGBACK (see *Bourreria* sp.)
- STRYCHNOS SPINOSA Lam. (kafir-orange, natal orange, poison nut)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Melanaspis mimosae (Comst.), mimosa scale
- STYRAX AMERICANA Lam. (snowberry, storax)
Neopinnaspis harperi McKenzie, Harper scale
- STYRAX GRANDIFOLIA Ait. (big-leaf snowbell, storax)
Aspidiotus spinosus Comst., spinose scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- STYRAX PULVERULENTA Michx. (storax, downy snowbell)
Chionaspis lintneri Comst., Lintner scale
- SUGARBERRY (see *Celtis laevigata*)
- SUMAC (see *Rhus* sp.)
 (see *Rhus leucantha*)
- SUMMER FAREWELL (see *Petalostemon corymbosus*)
- SUNFLOWER (see *Helianthus* sp.)
- SUNFLOWER, MEXICAN (see *Tithonia rotundifolia*)
- SWAMP BAY (see *Persea palustris*)
- SWEET BAY (see *Laurus* sp.)
 (see *Laurus nobilis*)
 (see *Magnolia virginiana*)
- SWEETBROOM (see *Scoparia dulcis*)
- SWEETFLAG, JAPANESE (see *Acorus gramineus*)
- SWEETGUM (see *Liquidambar styraciflua*)
- SWEETGUM, FORMOSAN (see *Liquidambar formosana*)
- SWEETLEAF, COMMON (see *Symplocos tinctoria*)
- SWEET-BREATH-OF-SPRING (see *Lonicera fragrantissima*)
- SWEET SCENTED SHRUB (see *Calycanthus* sp.)
- SWEET SHRUB (see *Calycanthus* sp.)
- SWEET SPIRE (see *Itea virginica*)
- SWEET SOP (see *Annona squamosa*)
- SWEET TURNERA (see *Turnera ulmifolia*)
- SWIETENIA sp. (mahogany)
Aspidiotus destructor Sign., coconut scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Hemiberlesia lataniae (Sign.), latania scale
- SWIETENIA MAHOGANI Jacq. (mahogany)
Ischnaspis longirostris (Sign.), black thread scale
Mycetaspis defectopalus Ferris, defecto scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- SYCAMORE TREE (see *Platanus* sp.)
- SYMPHORICARPOS sp. (coralberry, snowberry)
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Pinnaspis strachani (Cooley), lesser snow scale
Quadraspidotus perniciosus (Comst.), San Jose scale
- SYMPHORICARPOS ALBUS Blake (snowberry)
Hemiberlesia lataniae (Sign.), latania scale
- SYMPHORICARPOS ORBICULATUS Moench (Indian currant, coralberry)
Hemiberlesia lataniae (Sign.), latania scale
Quadraspidotus juglansregiae (Comst.), walnut scale
- SYMPLOCOS TINCTORIA (L.) (common sweet-leaf)
Fiorinia theae Green, tea scale

SYNGONIUM sp.*Parlatoria proteus* (Curtis), proteus scale**SYNGONIUM PODOPHYLLUM** Schott*Hemiberlesia lataniae* (Sign.), latania scale**SYRINGA** sp. (lilac)*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Lepidosaphes beckii* (Newman), purple scale*Pinnaspis strachani* (Cooley), lesser snow scale*Pseudaulacaspis pentagona* (Targ. - Tozz.), white peach scale*Quadraspidiotus perniciosus* (Comst.), San Jose scale**SYRINGA VULGARIS** L. (common lilac)*Hemiberlesia lataniae* (Sign.), latania scale**SYZYGIUM** sp. (Malay apple)*Chrysomphalus dictyospermi* (Morg.), dictyospermum scale**SYZYGIUM CUMINII** Skeels (jambolan plum)*Aspidiotus destructor* Sign., coconut scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Duplaspidiotus claviger* (Ckll.), camellia mining scale**SYZYGIUM JAMBOS** Alston (roseapple)*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Duplaspidiotus claviger* (Ckll.), camellia mining scale*Howardia biclavis* (Comst.), mining scale*Melanaspis mimosae* (Comst.), mimosa scale*Parlatoria pergandii* Comst., chaff scale*Parlatoria proteus* (Curtis), proteus scale**TABEBUIA** sp. (trumpet tree)*Howardia biclavis* (Comst.), mining scale**TABEBUIA PALLIDA** Miers (roble blanco)*Howardia biclavis* (Comst.), mining scale**TABEBUIA PENTAPHYLLA** Hemsl. (roble blanco)*Pinnaspis strachani* (Cooley), lesser snow scale**TABERNAEMONTANA** sp. (crape jessamine)*Abgrallaspis cyanophylli* (Sign.), cyanophyllum scale*Aonidiella orientalis* (Newst.), oriental scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Hemiberlesia lataniae* (Sign.), latania scale*Howardia biclavis* (Comst.), mining scale**TAIL-GRAPE** (see *Artabotrys* sp.)**TALAUMA HODGSONII** Hook. f. & Thoms.*Chrysomphalus aonidum* (Linnaeus), Florida red scale**TALLOW TREE** (see *Sapium sebiferum*)**TALLOW TREE, CHINESE** (see *Sapium sebiferum*)**TALLOW WOOD** (see *Ximenia americana*)**TAMARIND** (see *Tamarindus indica*)**TAMARINDO** (see *Tamarindus indica*)**TAMARINDUS INDICA** L. (tamarind, tamarindo)*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Hemiberlesia lataniae* (Sign.), latania scale*Howardia biclavis* (Comst.), mining scale*Lindingaspis floridana* Ferris, floridana scale*Palinaspis quohogiformis* (Merrill), quohog-shaped scale*Selenaspis articulatus* (Morg.), rufous scale**TANGELO** (see *Citrus reticulata* x *C. paradisi*)**TANGERINE** (see *Citrus reticulata*)**TANGOR** (see *Citrus reticulata* x *C. sinensis*)**TARJO** (see *Ilex latifolia*)**TAR-FLOWER** (see *Befaria racemosa*)**TARO** (see *Colocasia* sp.)(see *Colocasia esculenta*)**TAXODIUM** sp. (bald cypress)*Lepidosaphes pallida* (Mask.), Maskell scale**TAXODIUM DISTICHUM** Rich. (bald cypress)*Hemiberlesia lataniae* (Sign.), latania scale*Quadraspidiotus taxodii* Ferris, bald cypress scale**TAXUS** sp. (yew)*Aspidiotus spinosus* Comst., spinose scale*Chrysomphalus aonidum* (Linnaeus), Florida red scale*Hemiberlesia rapax* (Comst.), greedy scale**TEA** (see *Camellia sinensis*)

TEA, ARABIAN (see *Catha edulis*)

TEA, COMMON (see *Camellia sinensis*)

TEA, PLANT (see *Camellia sinensis*)

TECOMA sp. (trumpet bush)

Hemiberlesia rapax (Comst.), greedy scale

Howardia biclavis (Comst.), mining scale

TECOMA OCHRACEA Cham. (trumpet bush)

Aspidiotus destructor Sign., coconut scale

Pinnaspis strachani (Cooley), lesser snow scale

TECOMARIA CAPENSIS Spach (cape honey-suckle)

Hemiberlesia lataniae (Sign.), latania scale

Palinaspis quohogiformis (Merrill), quohog-shaped scale

TECTARIA HERACLEIFOLIA (Willd.) Underw. (halberd fern)

Pinnaspis aspidistrae (Sign.), fern scale

TERMINALIA ARJUNA Wight & Arn.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Howardia biclavis (Comst.), mining scale

TERMINALIA CATAPPA L. (almond, tropical almond, Indian almond, myrobalan)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiella sacchari (Ckll.), sugarcane scale

Aspidiotus destructor Sign., coconut scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

Howardia biclavis (Comst.), mining scale

TERMINALIA MUELLERI Benth. (almond)

Aspidiotus destructor Sign., coconut scale

Howardia biclavis (Comst.), mining scale

TERNSTROEMIA sp.

Chrysomphalus aonidum (Linnaeus), Florida red scale

Lepidosaphes camelliae Hoke, camellia scale

TETRAPANAX PAPYRIFERUS Koch (Chinese rice paper plant)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus destructor Sign., coconut scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale

Hemiberlesia lataniae (Sign.), latania scale

Melanaspis mimosae (Comst.), mimosa scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaonidia duplex (Ckll.), camphor scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

THELYPTERIS NORMALIS (C. Chr.) Moxley (wood fern)

Pinnaspis aspidistrae (Sign.), fern scale

THESPESIA sp. (portia tree)

Pinnaspis strachani (Cooley), lesser snow scale

THESPESIA POPULNEA Soland. (seaside mahoe)

Pinnaspis strachani (Cooley), lesser snow scale

THEVETIA, LUCKYNUT (see *Thevetia peruviana*)

THEVETIA NEREIFOLIA Juss. (see *Thevetia peruviana*)

THEVETIA PERUVIANA Schum. (luckynut, yellow oleander)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Hemiberlesia lataniae (Sign.), latania scale

Parlatoria proteus (Curtis), proteus scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

THRINAX sp. (palm)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Comstockiella sabalis (Comst.), palmetto scale

Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale

Ischnaspis longirostris (Sign.), black thread scale

Parlatoria proteus (Curtis), proteus scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

THRINAX PARVIFLORA Sw. (palm)

Diaspis boisduvalii Sign., Boisduval scale

Hemiberlesia lataniae (Sign.), latania scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

THUJA sp. (arborvitae)

Acutaspis morrisonorum Kosztarab, round conifer scale

- Acutaspis perseae* (Comst.), red bay scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Lepidosaphes gloverii (Pack.), Glover scale
- THUJA ORIENTALIS** L. (arborvitae)
Carulaspis minima (Targ. - Tozz.), minute cypress scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes pallida (Mask.), Maskell scale
- THUJA ORIENTALIS** L. var. *STRICTA* Loud. (pyramidal arborvitae)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
- THUNBERGIA** sp. (clock-vine)
Lepidosaphes beekii (Newman), purple scale
Parlatoria proteus (Curtis), proteus scale
- THUNBERGIA ALATA** Bojer (black-eyed susan)
Palinaspis quohogiformis (Merrill), quohog-shaped scale
- THUNBERGIA GRANDIFLORA** Roxb. (clock-vine)
Pinnaspis strachani (Cooley), lesser snow scale
- THYSANELLA FIMBRIATA** (Ell.) A. Gray (see *Polygonella fimbriata*)
- THYSANELLA ROBUSTA** Small (see *Polygonella fimbriata* var. *robusta*)
- TIBOUCHINA** sp. (glory bush)
Aonidiella orientalis (Newst.), oriental scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- TI-ES** (see *Pouteria campechiana*)
- TIGER JAWS** (see *Faucaria tigrina*)
- TILIA** sp. (linden, basswood, lime)
Hemiberlesia lataniae (Sign.), latania scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- TILLANDSIA** sp. (bromeliad)
Chortinaspis subchortina (Laing), water grass scale
Hemiberlesia lataniae (Sign.), latania scale
- TILLANDSIA AERANTHOS** (Loisel) L. B. Smith
Diaspis boisduvalii Sign., Boisduval scale
- TILLANDSIA BULBOSA** Hook.
Diaspis boisduvalii Sign., Boisduval scale
- TILLANDSIA CYANEA** E. Morr.
Diaspis boisduvalii Sign., Boisduval scale
- TILLANDSIA IONANTHA** Planch.
Diaspis boisduvalii Sign., Boisduval scale
- TILLANDSIA IXIOIDES** Griseb.
Diaspis boisduvalii Sign., Boisduval scale
- TILLANDSIA PULCHELLA** Hook.
Diaspis boisduvalii Sign., Boisduval scale
- TILLANDSIA RECTANGULA** Baker
Diaspis boisduvalii Sign., Boisduval scale
- TILLANDSIA RECURVATA** L.
Diaspis bromeliae (Kern.), pineapple scale
Pseudoparlatoria tillandsiae Tippins, false Spanish-moss scale
- TILLANDSIA REGINA** Vell.
Diaspis bromeliae (Kern.), pineapple scale
- TILLANDSIA USNEOIDES** L. (Spanish-moss)
Ediaspis tillandsiae Takagi & Tippins, Spanish-moss scale
Hemiberlesia lataniae (Sign.), latania scale
- TIMOR** (see *Severinia buxifolia*)
- TINNEA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- TIPUANA TIPU** Lille (common tiputree)
Hemiberlesia lataniae (Sign.), latania scale
- TIPUTREE, COMMON** (see *Tipuana tipu*)
- TITHONIA ROTUNDIFOLIA** (Mill.) Blake (Mexican sunflower)
Hemiberlesia lataniae (Sign.), latania scale
- TITI, WHITE** (see *Cyrilla racemiflora*)
- TOMATO** (see *Lycopersicon esculentum*)

- TOMATO, CHERRY** (see *Lycopersicon esculentum*)
- TOOTHACHE TREE** (see *Zanthoxylum clava-herculis*)
- TORREYA** sp. (stinking cedar)
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis mimosae (Comst.), mimosa scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- TORREYA TAXIFOLIA** Arn. (stinking cedar)
Acutaspis morrisonorum Kosztarab, round conifer scale
Acutaspis perseae (Comst.), red bay scale
Aspidiotus nerii Bouché, oleander scale
Parlatoria proteus (Curtis), proteus scale
- TRACHELOSPERMUM JASMINOIDES** Lem. (Confederate or star jasmine)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pseudaonidia duplex (Ckll.), camphor scale
- TRACHYCARPUS** sp. (palm)
Parlatoria pergandii Comst., chaff scale
- TRACHYCARPUS FORTUNEI** H. Wendl. (windmill palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Fiorinia florinae (Targ. - Tozz.), fiorinia scale
Fiorinia theae Green, tea scale
Ischnaspis longirostris (Sign.), black thread scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- TRACHYCARPUS TAKIL** Becc. (palm)
Ischnaspis longirostris (Sign.), black thread scale
- TRADESCANTIA** sp. (spiderwort, wandering jew)
Aspidiotus destructor Sign., coconut scale
Parlatoria pergandii Comst., chaff scale
- TRADESCANTIA FLUMINENSIS** Vell. 'ALBO-VITTATA' (variegated wandering jew)
Aspidiella sacchari (Ckll.), sugarcane scale
- TRAVELERS TREE** (see *Ravenala madagascariensis*)
- TREEBINE, WINGED** (see *Cissus quadrangularis*)
- TREMA, FLORIDA** (see *Trema micrantha*)
- TREMA MICRANTHA** (L.) Blume (Florida tremas)
Pinnaspis strachani (Cooley), lesser snow scale
Praecocaspis diversa Ferris, diverse scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
- TREMA MOLLIS** (see *Trema micrantha*)
- TREVESIA PALMATA** Vis.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- TRIBULUS TERRESTRIS** L. (puncture weed)
Hemiberlesia lataniae (Sign.), latania scale
- TRICHOLAENA REPENS** (see *Rhynchelytrum roseum*)
- TRICHOSTIGMA** sp.
Pseudoparlatoria parlatoroides (Comst.), false parlatoria scale
- TRILISA ODORATISSIMA** Cass.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- TRIPHASIA TRIFOLIA** Burm. (limeberry)
Ischnaspis longirostris (Sign.), black thread scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale
- TRISTANIA CONFERTA** R. Br. (brisbane-box)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
- TRUMPET BUSH** (see *Tecoma* sp.)
 (see *Tecoma ochracea*)
- TRUMPET CREEPER** (see *Campsis* sp.)
 (see *Campsis radicans*)
- TRUMPET FLOWER** (see *Thevetia peruviana*)

TRUMPET PLANT*

Chrysomphalus aonidum (Linnaeus), Florida red scale

TRUMPET TREE (see *Cecropia* sp.)

TSUGA sp. (hemlock)

Acutaspis perseae (Comst.), red bay scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria pergandii Comst., chaff scale
Pinnaspis strachani (Cooley), lesser snow scale

TSUGA CANADENSIS (L.) Carr. (Eastern hemlock)

Acutaspis morrisonorum Kosztarab, round conifer scale
Chionaspis pinifoliae (Fitch), pine needle scale

TULIP TREE (see *Liriodendron tulipifera*)TULIP TREE, AFRICAN (see *Spathodea campanulata*)TULIP WOOD (see *Harpullia* sp.)TUNG NUT (see *Aleurites fordii*)TUNG OIL TREE (see *Aleurites fordii*)TUNG TREE (see *Aleurites fordii*)TUPELO, BLACK (see *Nyssa sylvatica*)TUPELO GUM (see *Nyssa sylvatica*)TURKSCAP (see *Malvaviscus* sp.)

TURNERA ULMIFOLIA L. (sweet turnera)

Aonidomytilus albus (Ckll.), cassava scale

TWIN-FLOWER (see *Linnaea* sp.)
(see *Linnaea borealis*)

ULMUS sp. (elm)

Aspidiotus destructor Sign., coconut scale
Chionaspis americana Johnson, elm scurfy scale
Diaspidiotus ancyclus (Put.), Putnam scale
Hemiberlesia palmarum (Ckll.), tropical palm scale
Howardia biclavus (Comst.), mining scale
Melanaspis obscura (Comst.), obscure scale
Quadraspidotus juglansregiae (Comst.), walnut scale
Quadraspidotus perniciosus (Comst.), San Jose scale
Velataspis dentata (Hoke), dentate scale

ULMUS AMERICANA L. (American elm)

Fissuraspis ulmi (Hoke), elm scale
Hemiberlesia diffinis (Newst.), diffinis scale
Hemiberlesia lataniae (Sign.), latania scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

ULMUS CHINENSIS (see *Ulmus parvifolia*)

ULMUS PARVIFOLIA Jacq. (Chinese elm)

Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidotus forbesi (Johnson), Forbes scale
Quadraspidotus perniciosus (Comst.), San Jose scale

ULMUS PUMILA L. (Siberian elm or dwarf Asiatic elm)

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

UMBRELLA PLANT (see *Cyprus alternifolius*)UMBRELLA TREE (see *Melia azedarach*)UMBRELLA TREE, CHINESE (see *Firmiana simplex*)UMBRELLA TREE, TEXAS (see *Melia azedarach*)UMKOKOLO (see *Dovyalis caffra*)

URENA LOBATA L. (cottonweed, Caesar's weed)

Duplaspidiotus claviger (Ckll.), camellia mining scale
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale

VACCINIUM sp. (blueberry, sparkleberry, cranberry, cowberry)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Abgrallaspis townsendi (Ckll.), Townsend scale
Acutaspis perseae (Comst.), red bay scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Duplaspidiotus tesseratus (Grandpré & Char-moy), tesserate scale
Melanaspis mimosae (Comst.), mimosa scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

*Scientific name could not be verified.

- Pseudoparlatoria parlatorioides* (Comst.), false parlatoria scale
Velataspis dentata (Hoke), dentate scale
- VACCINIUM ARBOREUM** Marsh. (sparkleberry)
Duplaspidotus claviger (Ckll.), camellia mining scale
Neopinnaspis harperi McKenzie, Harper scale
- VACCINIUM DARROWI** Camp.
Hemiberlesia lataniae (Sign.), latania scale
- VACCINIUM NITIDUM*** (huckleberry)
Duplaspidotus claviger (Ckll.), camellia mining scale
- VANDA** sp. (orchid)
Diaspis boisduvalii Sign., Bojsduval scale
Diaspis echinocacti (Bouché), cactus scale
Lopholeucaspis cockerelli (Grandpré & Char-moy), Cockerell scale
Melanaspis mimosae (Comst.), mimosa scale
- VANDA LEILANI*** (orchid)
Parlatoria proteus (Curtis), proteus scale
- VANDA ROBLINGIANA** Rolfe (orchid)
Parlatoria proteus (Curtis), proteus scale
- VANDA SANDERIANA X KANO***
Parlatoria proteus (Curtis), proteus scale
- VANDA** sp. 'ROSE MARIE' (orchid)
Genaparlatoria pseudaspidotus (Lind.), vanda orchid scale
- VANDA TERES** (Roxb.) Lindl., 'JOAQUIM' (orchid)
Furcaspis biformis (Ckll.), orchid scale
Genaparlatoria pseudaspidotus (Lind.), vanda orchid scale
- VANDA TERES** (Roxb.) Lindl. X *V. HOOKERIANA* Rchb. f.
Furcaspis biformis (Ckll.), orchid scale
Parlatoria pergandii Comst., chaff scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
- VANILLA, COMMON** (see *Vanilla planifolia*)
- VANILLA PLANIFOLIA** Andr. (common vanilla)
Chrysomphalus aonidum (Linnaeus), Florida red scale
Parlatoria proteus (Curtis), proteus scale
- VANILLA PLANT** (see *Trilisa odoratissima*)
- VARNISH TREE** (see *Aleurites fordii*)
 (see *Aleurites moluccana*)
- VARNISH TREE, JAPANESE** (see *Firmiana planifolia*)
- VEITCHIA** sp. (palm)
Parlatoria proteus (Curtis), proteus scale
- VEITCHIA MERRILLII** (Becc.) Moore (Manila palm, Christmas palm)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella orientalis (Newst.), oriental scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Hemiberlesia lataniae (Sign.), latania scale
Ischnaspis longirostris (Sign.), black thread scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- VERBENA** sp.
Aspidiotus nerii Bouché, oleander scale
Hemiberlesia lataniae (Sign.), latania scale
Pinnaspis strachani (Cooley), lesser snow scale
Rhizaspidotus dearnessi (Ckll.), dearness scale
- VERNONIA** sp. (ironweed)
Hemiberlesia lataniae (Sign.), latania scale
- VERSCHAFFELTIA** sp. (palm)
Aspidiotus destructor Sign., coconut scale
- VI APPLE** (see *Spondias cytherea*)
- VIBURNUM** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aonidiella citrina (Coq.), yellow scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Hemiberlesia lataniae (Sign.), latania scale
Quadraspidotus perniciosus (Comst.), San Jose scale
- VIBURNUM LANTANA** L. 'MOHICAN' (wayfar-ing-tree)
Aonidiella citrina (Coq.), yellow scale

*Authority for genus and species could not be found.

VIBURNUM, LAURESTINUS (see *Viburnum tinus*)

VIBURNUM OBOVATUM Walt. (viburnum)

Melanaspis obscura (Comst.), obscure scale
Melanaspis smilacis (Comst.), smilax scale
Quadraspidotus juglansregiae (Comst.), walnut scale

VIBURNUM ODORATISSIMUM Ker

Aspidiotus nerii Bouché, oleander scale
Howardia biclavis (Comst.), mining scale
Melanaspis mimosae (Comst.), mimosa scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

VIBURNUM PUBESCENS Pursh

Velataspis dentata (Hoke), dentate scale

VIBURNUM RHYTIDOPHYLLUM Hensl. (leatherleaf viburnum)

Parlatoria pergandii Comst., chaff scale

VIBURNUM SARGENTII Koehne 'SUSQUEHANNA'

Parlatoria proteus (Curtis), proteus scale

VIBURNUM SUSPENSUM Lindl.

Aonidiella citrina (Coq.), yellow scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Duplaspidiotus claviger (Ckll.), camellia mining scale
Parlatoria pergandii Comst., chaff scale
Pseudaonidia duplex (Ckll.), camphor scale

VIBURNUM TINUS L. (laurestinus)

Aspidiotus destructor Sign., coconut scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Parlatoria pergandii Comst., chaff scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Quadraspidotus juglansregiae (Comst.), walnut scale

VIBURNUM, WATER (see *Viburnum obovatum*)

VIBURNUM, WILD (see *Viburnum obovatum*)

VINCA sp. (periwinkle)

Aspidiotus destructor Sign., coconut scale

Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale

VINCA MAJOR L. (periwinkle)

Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Parlatoria proteus (Curtis), proteus scale

VINCA MINOR L. (trailing myrtle, common periwinkle)

Parlatoria proteus (Curtis), proteus scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

VIOLA sp. (violet)

Fiorinia theae Green, tea scale
Pinnaspis aspidistrae (Sign.), fern scale
Pinnaspis strachani (Cooley), lesser snow scale

VIOLA ODORATA L.

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

VIOLET (see *Viola* sp.)

VIOLET, AFRICAN (see *Saintpaulia ionantha*)

VIOLET, FLORISTS (see *Viola odorata*)

VIOLET, GARDEN (see *Viola odorata*)

VIOLET, SWEET (see *Viola odorata*)

VIRGINIA CREEPER (see *Parthenocissus* sp.)

VITEX sp. (pepper tree, chaste tree)

Hemiberlesia lataniae (Sign.), latania scale
Howardia biclavis (Comst.), mining scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

VITEX AGNUS-CASTUS L. (chaste tree)

Howardia biclavis (Comst.), mining scale

VITEX QUINATA (Lour.) F. N. Wilms. (five-leaf chaste tree)

Aspidiotus spinosus Comst., spinose scale

VITIS sp. (grape)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspidiotus ancylus (Put.), Putnam scale

- Diaspidiotus osborni* (Newell & Ckll.), Osborn scale
Diaspidiotus uvae (Comst.), grape scale
Hemiberlesia lataniae (Sign.), latania scale
Melanaspis obscura (Comst.), obscure scale
Melanaspis tenebricosa (Comst.), gloomy scale
Palinaspis quohogiformis (Merrill), quohog-shaped scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Quadraspidiotus perniciosus (Comst.), San Jose scale
- VITIS AESTIVALIS** Michx. (summer grape)
Melanaspis tenebricosa (Comst.), gloomy scale
- VITIS** sp. 'BLUE LAKE' (Blue Lake grape)
Hemiberlesia lataniae (Sign.), latania scale
- VITIS VINIFERA** L. (winegrape)
Aspidiotus destructor Sign., coconut scale
Hemiberlesia lataniae (Sign.), latania scale
- VRIESEA GLADIOLIFLORA** (Wendl.) Antoine (bromeliad)
Hemiberlesia palmae (Ckll.), tropical palm scale
- VRIESIA** sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Gymnaspis aechmeae Newst., flyspeck scale
- VRIESIA IMPERIALIS** Carriere (see *Tillandsia regina*)
- VRIESIA X MARIAE** Ed. Andre
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis bromeliae (Kern.), pineapple scale
- WALNUT** (see *Juglans* sp.)
- WALNUT, ENGLISH** (see *Juglans* sp.)
- WALTHERIA AMERICANA** L.
Aonidomytilus albus (Ckll.), cassava scale
- WAMPEE** (see *Clausena lansium*)
- WANDERING JEW** (see *Tradescantia* sp.)
- WANDERING JEW, VARIEGATED** (see *Tradescantia flunnirensis*)
- WASHINGTONIA** sp.
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Aspidiotus destructor Sign., coconut scale
Aspidiotus nerii Bouché, oleander scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Comstockiella sabalis (Comst.), palmetto scale
Diaspis boisduvalii Sign., Boisduval scale
Fiorinia fioriniae (Targ. - Tozz.), fiorinia scale
Hemiberlesia lataniae (Sign.), latania scale
Parlatoria proteus (Curtis), proteus scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudoparlatoria parlatoroides (Comst.), false parlatoria scale
- WASHINGTONIA FILIFERA** (Linden) Wendl. (palm)
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- WASHINGTONIA ROBUSTA** Wendl. (Mexican Washington palm)
Ischnaspis longirostris (Sign.), black thread scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
- WATERMELON** (see *Citrullus vulgaris*)
- WATER PRIMROSE** (see *Jussiaea peruviana*)
- WAXWEED** (see *Cuphea petiolata*)
- WEBERA CORYMBOSA** Sm.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale
- WEED, PICKLE** (see *Batis maritima*)
- WEED, TEA** (see *Sida carpinifolia*)
- WEIGELA** sp.
Hemiberlesia lataniae (Sign.), latania scale
- WILLOW** (see *Salix* sp.)
- WILLOW, BLACK** (see *Salix nigra*)
- WILLOW, FALSE***
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
- WILLOW, PUSSY** (see *Salix discolor*)
- WILLOW, VIRGINIA** (see *Itea virginica*)

*Scientific name could not be verified.

- WILLOW, WEEPING (see *Salix babylonica*)
- WINEGRAPE (see *Vitis vinifera*)
- WINTERBERRY (see *Ilex glabra*)
- WIREGRASS (see *Eleusine indica*)
- WIRE PLANT (see *Muehlenbeckia* sp.)
(see *Muehlenbeckia complexa*)
- WISTERIA sp.
Chrysomphalus aonidum (Linnaeus), Florida red scale
Howardia biclavis (Comst.), mining scale
Pinnaspis strachani (Cooley), lesser snow scale
Pseudaonidia duplex (Ckll.), camphor scale
Velaspis dentata (Hoke), dentate scale
- WOMANS-TONGUE (see *Albizzia lebeck*)
- WOODBINE (see *Lonicera* sp.)
Pinnaspis strachani (Cooley), lesser snow scale
- XEROPHYLLUM sp. (beargrass)
Hemiberlesia lataniae (Sign.), latania scale
- XIMENIA AMERICANA L.
Chrysomphalus aonidum (Linnaeus), Florida red scale
- XOLISMA FERRUGINEA (Walt.) Heller
Acutaspis perseae (Comst.), red bay scale
- YAM (see *Dioscorea* sp.)
- YAUPON (see *Ilex vomitoria*)
- YEW (see *Podocarpus* sp.)
(see *Taxus* sp.)
- YEW, PLUM (see *Cephalotaxus* sp.)
- YLANG-YLANG (see *Cananga odorata*)
- YLANG-YLANG, CLIMBING (see *Artabotrys uncinatus*)
- YLANG-YLANG, FALSE (see *Artabotrys* sp.)
(see *Artabotrys odoratissimus*)
- YOUNGBERRY (see *Rubus ursinus*)
- YUCCA sp. (beargrass, Spanish bayonet)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Acutaspis perseae (Comst.), red bay scale
Aonidiella citrina (Coq.), yellow scale
Aonidiella orientalis (Newst.), oriental scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
Chrysomphalus dictyospermi (Morg.), dictyospermum scale
Diaspis boisduvalii Sign., Boisduval scale
Melanaspis smilacis (Comst.), smilax scale
Parlatoria pergandii Comst., chaff scale
Parlatoria proteus (Curtis), proteus scale
Pseudaulacaspis cockerelli (Cooley), false oleander scale
Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale
Pseudischnaspis bowreyi (Ckll.), Bowrey scale
Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale
Situlaspis yuccae (Ckll.), small situlaspis scale
Velaspis dentata (Hoke), dentate scale
- YUCCA ALOIFOLIA L. (Spanish bayonet, Spanish dagger)
Abgrallaspis cyanophylli (Sign.), cyanophyllum scale
Abgrallaspis howardi (Ckll.), Howard scale
Aspidiotus nerii Bouché, oleander scale
Aspidiotus spinosus Comst., spinose scale
Fiorinia theae Green, tea scale
Hemiberlesia lataniae (Sign.), latania scale
Lepidosaphes beckii (Newman), purple scale
Pinnaspis strachani (Cooley), lesser snow scale
- YUCCA FILAMENTOSA L. (beargrass, Adam's needle)
Aspidiotus spinosus Comst., spinose scale
Chrysomphalus aonidum (Linnaeus), Florida red scale
- YUCCA GLORIOSA L. (Spanish dagger)
Aspidiotus spinosus Comst., spinose scale
Pinnaspis strachani (Cooley), lesser snow scale
- YUCCA SMALLIANA Fern. (Adam's needle)
Abgrallaspis townsendi (Ckll.), Townsend scale
Hemiberlesia lataniae (Sign.), latania scale
- YUCCA, THOMPSON (see *Yucca thompsoniana*)
- YUCCA THOMPSONIANA Trel. (Thompson yucca)
Hemiberlesia lataniae (Sign.), latania scale
- ZAMAN (see *Samanea saman*)
- ZAMIA sp.
Ischnaspis longirostris (Sign.), black thread scale

ZAMIA FLORIDANA DC. (see *Zamia integrifolia*)

ZAMIA INTEGRIFOLIA Ait. (comptie, coontie, Seminole bread)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Acutaspis morrisonorum Kosztarab, round conifer scale

Acutaspis perseae (Comst.), red bay scale

Aonidiella aurantii (Mask.), California red scale

Aonidiella orientalis (Newst.), oriental scale

Aspidiotus nerii Bouché, oleander scale

Aspidiotus spinosus Comst., spinose scale

Chrysomphalus aonidum (Linnaeus), Florida red scale

Chrysomphalus dictyospermi (Morg.), dictyospermum scale

Hemiberlesia lataniae (Sign.), latania scale

Lepidosaphes beckii (Newman), purple scale

Parlatoria pergandii Comst., chaff scale

Parlatoria proteus (Curtis), proteus scale

Pinnaspis aspidistrae (Sign.), fern scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis cockerelli (Cooley), false oleander scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

Pseudoparlatoria parlatorioides (Comst.), false parlatoria scale

Velataspis dentata (Hoke), dentate scale

ZAMIA UMBROSA Small (see *Zamia integrifolia*)

ZAMIOCULCAS ZAMIIFOLIA Engler

Chrysomphalus aonidum (Linnaeus), Florida red scale

ZANTHOXYLUM sp. (prickly ash)

Duplaspidotus tesseratus (Grandpré & Char-moy), tesserate scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

ZANTHOXYLUM CLAVA-HERCULIS L. (tooth-ache tree, prickly ash)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Duplaspidotus tesseratus (Grandpré & Char-moy), tesserate scale

Hemiberlesia lataniae (Sign.), latania scale

Pinnaspis strachani (Cooley), lesser snow scale

Pseudaulacaspis pentagona (Targ. - Tozz.), white peach scale

Quadraspidotus juglansregiae (Comst.), walnut scale

ZANTHOXYLUM FAGARA (L.) Sarg. (wild lime)

Lepidosaphes gloverii (Pack.), Glover scale

ZEBRA PLANT (see *Calathea zebrina*)

ZEBRINA sp. (wandering jew)

Pseudaulacaspis cockerelli (Cooley), false oleander scale

ZIZYPHUS sp. (jujube)

Chrysomphalus aonidum (Linnaeus), Florida red scale

Howardia biclavis (Comst.), mining scale

ZIZYPHUS MAURITIANA Lam. (Indian jujube)

Pinnaspis strachani (Cooley), lesser snow scale

ZOYSIA MATRELLA (L.) Merr. (Japanese grass)

Parlatoria proteus (Curtis), proteus scale

ZYGOCACTUS TRUNCATUS 'DELICATUS'

Diaspis echinocacti (Bouché), cactus scale

ZYGOCACTUS TRUNCATUS (Haworth) Schumann (Christmas cactus)

Abgrallaspis cyanophylli (Sign.), cyanophyllum scale

Diaspis echinocacti (Bouché), cactus scale

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