

**Table 2. The host range of lobate lac scale, *Paratachardina lobata*, in southern Florida, species arranged by plant family.**

\* indicates species native to Florida.

**Angiosperms: dicotyledons**

**Acanthaceae**

*Graptophyllum pictum* (L.) Griffith - caricature plant, cafe con leche

*Justicia brandegeana* Wasshausen & L. B. Smith - shrimp plant

*Pachystachys lutea* Nees - golden shrimp plant

*Ruellia brittoniana* E. Leonard - Britton's wild petunia

**Aceraceae**

\**Acer rubrum* L. - red maple

**Anacardiaceae**

*Mangifera indica* L.- mango

\**Metopium toxiferum* (L.) Krug & Urban - poisonwood, Florida poisontree

*Pseudospondias microcarpa* (A. Richard) Engler - nculi

\**Rhus copallinum* L.- winged sumac

*Schinus molle* L.- California-pepper tree, Peruvian-pepper tree

*Schinus terebinthifolius* Raddi - Brazilian-pepper

*Spondias mombin* L.- Java-plum

\**Toxicodendron radicans* (L.) Kuntze - eastern poison-ivy

**Annonaceae**

*Annona cherimola* Miller X *A. squamosa* L.- atemoya

\**Annona glabra* L. - pond-apple

*Annona muricata* L. - soursop

*Annona reticulata* L.- custard-apple

*Annona squamosa* L. - sugar-apple

*Cananga odorata* (Lamarck ) J. D. Hooker & T. Thomson - ylang-ylang

**Aquifoliaceae**

\**Ilex cassine* L. - dahoon, dahoon holly

\**Ilex vomitoria* Aiton - yaupon holly

### **Araliaceae**

*Schefflera actinophylla* (Endlicher) Harms - umbrella tree, rubber tree, star leaf

*Schefflera elegantissima* (Veitch ex Mast) Lowry & Frodin - false aralia

### **Asteraceae**

\**Ambrosia artimisiifolia* L. - common ragweed

\**Baccharis halimifolia* L. - saltbush, groundsel-tree

*Bidens alba* (L) de Candolle - romerillo, spanish needles

\**Flaveria linearis* Lagasca - narrowleaf yellowtops

*Montanoa grandiflora* Alaman ex de Candolle - daisy tree

*Pluchea carolinensis* (Jacquin) G. Don - cure for all

*Tridax procumbens* L - tridax, cadillo chisaca

*Verbesina virginica* L.- white crownbeard

### **Begoniaceae**

*Begonia* sp. - Begonia

### **Bignoniaceae**

*Amphitecna latifolia* (Miller) A. Gentry - black calabash

*Dolichandrone spathacea* (L.f.) Schumann - mangrove trumpet tree

\* *Tecoma stans* (L.) Humboldt ,Bolpland and Kunth - yellow elder

*Tecomaria capensis* (Thunberg) Spach - cape honeysuckle

### **Burseraceae**

\**Bursera simaruba* (L.) Sargent - gumbo-limbo, almácigo

### **Capparaceae**

\**Capparis cynophallophora* L. - Jamaica caper tree

### **Caprifoliaceae**

*Viburnum* sp. - arrowwood

### **Casuarinaceae**

*Casuarina cunninghamiana* Miquel - Australian -pine

*Casuarina equisetifolia* L. - Australian-pine

### **Celtidaceae**

\**Celtis laevigata* Willdenow - sugarberry

\**Trema micrantha* (L.) Blume - Florida trema, guacimilla

### **Chrysobalanaceae**

\**Chrysobalanus icaco* L. - cocoplum

*Licania tomentosa* (Benth) Fritsch - oiticica

### **Clusiaceae**

*Calophyllum brasiliense* Cambessèdes - Brazilian beauty-leaf

*Calophyllum calaba* L.- Maria, Santa Maria

*Calophyllum inophyllum* L. - Alexandrian laurel, indian laurel, laurelwood

*Clusia lanceolata* Cambessèdes - cebola-da-restinga

\**Clusia rosea* Jacquin - pitch-apple, cupey

*Garcinia mestonii* F.M.Bailey - Australian mangosteen

*Garcinia prainiana* King - button mangosteen, serapu

*Mesua ferrea* L. - ceylon ironwood, mesua, penaga, bosneak

*Rheedia acuminata* (Ruiz & Pavon) Planchon & Triana - madrono, naranjito

*Rheedia aristata* Grisebach - manajú

*Rheedia edulis* (Seemann) Triana et Planchon - waikiki-plum

*Rheedia macrophylla* Planchon & Triana - charichuela

### **Combretaceae**

*Bucida* (*B.spinosa* x *buceras*) - black olive hybrid

*Bucida buceras* L.- black-olive, oxhorn bucida, ucar

*Combretum aubletii* de Candolle - monkey's brush

*Combretum obovatum* F. Hoffmann - spiny combretum bush

\**Conocarpus erectus* L. - buttonwood, mangle botón

\**Leguncularia racemosa* (L.) Gaertner f. - white mangrove

*Terminalia muelleri* Benth Mueller terminalia, black-olive

*Terminalia catappa* L. - tropical-almond

### **Ebenaceae**

*Diospyros digyna* Jacquin - black-sapote

*Diospyros mespiliformis* Hochstetter - jackal berry tree

### **Elaeocarpaceae.**

*Elaeocarpus decipiens* Hemsley - Japanese blue-berry

## **Erythoxylaceae**

*Erythoxylum reticulatum* Northrop

## **Euphorbiaceae**

*Acalypha godseffiana* Sander ex Mast - copperleaf, match-me-if-you-can

*Acalypha hispida* Burman f. - redhot cat-tail, chenille plant, rabo de

*Acalypha wilkesiana* J. Mueller – copperleaf, Jacob’s coat

*Antidesma bunius* (L.) K. Sprengel - bignay

*Antidesma dallachyanum* Baillon - Herbert River-cherry

*Antidesma platyphyllum* Hame - hamehame, mehame, hame, ha’a

*Bridelia monoica* (L.) Merrill - pop gun seed

*Chamaesyce hirta* L.- pillpod sandmat, hairy spurge

*Euphorbia leucocephala* Lotsy - pascuíta

*Flueggea acidoton* (L.) G. L. Webster - simpleleaf bushweed

*Jatropha integerrima* Jacquin - peregrina

*Mallotus philippinensis* (Lamarck) Mueller Argoviensis - red kamala, rechanaka

## **Fabaceae**

*Acacia auriculiformis* Benth

*Acacia choriophylla* Benth - cinnecord, tamarindillo

\**Acacia farnesiana* (L.) Willdenow - sweet acacia

*Albizia cubana* Britton & Wilson - aimiqui, bacona

*Albizia lebbek* (L.) Benth - women’s tongue tree

*Archidendron lucyi* F. v. Mueller - scarlet bean

*Bauhinia* sp.

*Brya ebenus* (L.) de Candolle - Jamaican raintree, West Indies ebony

*Butea monosperma* (Lamarck) Taubert - flame of the forest

*Caesalpinia pulcherrima* (L.) Sw.- red bird-of-paradise

*Caesalpinia violacea* (Miller) Standley - yurua

*Cajanus cajan* (L.) Huth - pigeon pea

*Calliandra emarginata* (Humboldt & Bonpland) Benth - powderpuff

*Calliandra haematocephala* Hasskarl - powderpuff

*Calliandra surinamensis* Benth - pink powderpuff

\* *Dalbergia ecastaphylum* (L.) Taubert - coin vine

*Dalbergia sissoo* de Candolle - sissoo tree, Indian rosewood

*Gigasiphon macrosiphon* (Harms) Brenan - gigasiphon

*Inga affinis* de Candolle - ingá doce  
*Inga edulis* (Martius) - guamo  
*Leucaena leucocephala* (Lamarck) de Wit - lead tree  
*Lonchocarpus* sp.  
\**Lysiloma latisiliqua* (L.) Bentham - wild-tamarind  
*Lysiloma sabicu* Bentham  
*Parmentiera aculeata* (Kunth) Seemann - cow-okra  
*Peltophorum pterocarpum* (de Candolle) K. Heyne - copperpod  
*Pithecellobium flexicaule* (Bentham) J.M. Coulter - Texas ebony  
\**Pithecellobium keyense* ex Britton & Rose - Florida Keys blackbead  
*Pongamia pinnata* (L.) Pierre - Pongam  
*Samanea saman* (Jacquin) Merrill - rain tree  
*Wallaceodendron celebicum* Koorders - banuyo, lupiji

### **Fagaceae**

\**Quercus geminata* Small - sand live oak  
*Quercus hemiphaerica* Bartr. Ex Wild. - Darlington oak  
*Quercus incana* W. Bartram - bluejack oak  
\**Quercus laurifolia* Michaux - laurel oak  
\**Quercus virginiana* Miller - live oak

### **Flacourtiaceae**

*Banara vanderbiltii* Urban - palo de ramon  
*Casearia arguta* Humboldt, Bonpland & Kunth mata cartago  
*Dovyalis hebecarpa* (G. Gardner) Warburg - Ceylon gooseberry, kitebila

### **Lamiaceae**

*Leonotis leonurus* (L.) R. Brown - lion's-ear  
*Leonotis nepetifolia* (L.) R. Brown - wild dagga, Christmas candlestick  
*Ocimum* sp.- Thai basil  
*Plectranthus scutellariodes* (L.) R Brown - koramahd, oleus, nazareno, tocador  
*Rosmarinus officinalis* L.- rosemary  
*Salvia coccinea* P.J. Buchoz ex Etlinger - blood sage

### **Lauraceae**

*Cinnamomum zeylanicum* Blume - cinnamon

*Laurus nobilis* L. - laurel, sweetbay

\**Licaria triandra* (Swartz) Kostermans - pepperleaf sweetwood

\**Ocotea coriacea* (Swartz) Britton (Lauraceae) - lancewood

*Persea americana* Miller - avocado

\**Persea borbonia* (L.) Sprengel - red bay

*Persea palustris* (Rafinesque-Schmaltz) Sargent - swamp redbay, bay swamp

### **Lecythidaceae**

*Lecythis minor* Jacquin monkey pod

### **Lythraceae**

*Ginoria glabra* Grisebach- clavellina

*Ginoria nudiflora* (Hemsley) Koehne - agame, guayabillo, pimientillo

*Lagerstroemia indica* L. - crape-myrtle

*Lagerstroemia speciosa* (L.) Persoon (Lythraceae) - queen's crape-myrtle

*Lawsonia inermis* 'Rubra' L. - henna, manjuati

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### **Magnoliaceae**

- \* *Magnolia virginiana* L.-sweet bay
- Michelia champaca* L. - champaka (Malaysia)

### **Malvaceae**

- Abutilon* sp.- red turk's cap
- Durio testudinarium* - kura kura
- Heritiera littoralis* Dryander - looking-glass tree, looking-glass mangrove
- Hibiscus rosa-sinensis* L.- hibiscus
- Hibiscus schizopetalus* (Masters) Hooker f. - fringed hibiscus, Japanese lanterns, coral hibiscus
- Hibiscus tiliaceus* L. - mahoe, sea hibiscus, majagua
- Malvaviscus penduliflorus* de Candolle - Mazapan, Turkscap mallow
- Pavonia bahamensis* Hitchcock - Bahama Swampbush
- Pavonia paludicola* D. H. Nicolson mangrove mallow
- Ruizia cordata* Cavanilles - bois-de-senteur blanc
- Trichospermum mexicanum* (de Candolle) Baillon - capulin colorado
- \* *Urena lobata* L - Caesar's weed

### **Melastomataceae**

- \**Tetrazygia bicolor* (Miller.) Cogniaux - Florida clover ash, Florida tetrazygia, West Indian lilac

### **Meliaceae**

- Lansium domesticum* Corrêa da Serra - duku, langsung

### **Moraceae**

- Brosimum alicastrum* Swartz - Mayan breadnut, ramón, cacique
- Ficus aspera* G. Forster - rough-leaved fig, balemo, tongue fig
- \**Ficus aurea* Nuttall - strangler fig
- Ficus benjamina* L. - banyan fig
- Ficus capensis* Thunberg - cape fig
- \**Ficus citrifolia* Miller - short-leaved fig
- Ficus deltoidea* Jack -mistletoe fig, mistletoe plant
- Ficus elastica* L.- Indian-rubber, Assam-rubber
- Ficus microcarpa* L.f. - Indian-laurel
- Ficus natalensis* Hochstetter - mistletoe fig, licumo, natal fig
- Ficus nota* (Blanco) Merrill - tibig
- Ficus pertusa* L. - frutillo
- Ficus pumila* L. - climbing fig, creeping fig

*Ficus racemosa* L. - cluster fig  
*Ficus rubiginosa* Desfontaines ex Ventenat - rusty-leaf fig  
*Ficus rumphii* Blume - rumphius fig  
*Ficus salicifolia* (Vahl) Berg - willow-leaf fig  
*Ficus subcordata* Blume - balete, wunut, sai  
*Ficus virens* Aiton - spotted fig

### **Myricaceae**

\**Myrica cerifera* L. - wax-myrtle

### **Myrsinaceae**

\**Ardisia escallonioides* Chamisso & Schlechtendal - marlberry  
*Ardisia hirtella* Lundell  
*Ardisia revoluta* Humbolt, Bonfland & Kunth - oreja de coyote  
*Ardisia sieboldii* Miquel - duo zhi zi jin niu  
\**Myrsine floridana* A. de Candolle. - guianense colicwood, Florida myrsine  
\**Rapanea punctata* (Lamarck) Lundell - myrsine, colicwood

### **Myrtaceae**

*Callistemon viminalis* (Gaertner) Cheel - weeping bottlebrush  
\**Calyptranthes pallens* Grisebach - spicewood  
*Calyptranthes thomasi* O. Berg - Thomas' lidflower  
\**Calyptranthes zuzygium* (L.) Swartz - myrtle-of-the-river  
*Eucalyptus bella* K. D. Hill & L. A. S. Johnson - ghost gum  
\**Eugenia axillaris* (Swartz) Willdenow - white-stopper eugenia  
*Eugenia brasiliensis* Lamarck - grumichama  
\**Eugenia confusa* de Candolle - redberry stopper  
\**Eugenia foetida* Persoon - spanish stopper, anguila  
*Eugenia luschnathiana* Klotzsch ex O. Berg - pitamba  
*Eugenia pentandra*  
*Eugenia uniflora* L. - Surinam-cherry  
*Marliera edulis* Cambessedes - cambucá  
*Melaleuca bracteata* F. Muell. - Australia river tea tree  
*Melaleuca decora* (Salisbury) Britten - white feather honeymyrtle, paperbark, sweet tea-tree  
*Melaleuca quinquenervia* (Cavanilles) S.T. Blake - cajeput



\**Mosiera longipes* (O. Berg) Small - Mangroveberry, long-stalked stopper  
\* *Myrcianthes fragrans* - Simpson's stopper  
*Myrciaria cauliflora* (de Candolle) O. Berg in Martius - jaboticaba  
*Myrciaria vexator* McVaugh - blue grape, false jaboticaba, vexator  
*Pimenta dioica* (L.) Merrill - allspice  
*Pimenta racemosa* (Miller) J. W. Moore - bay rum  
*Psidium androsianum* (Urban) Correll - long-stalked stopper  
\**Psidium guajava* L. (Myrtaceae)- guava  
*Psidium littorale* Raddi - strawberry guava, cattley guava  
*Syzygium cuminii* (L.) Skeels - jambolan, Java-plum  
*Syzygium grande* (Wight) Walpers - sea-apple  
*Syzygium jambos* (L.) Alston - rose-apple, pomarrosa  
*Syzygium malaccense* (L.) Merrill & Perry - malay-apple  
*Syzygium paniculatum* Gaertner - brush-cherry, Australian brush-cherry  
*Syzygium samarangense* (Blume) Merrill & Perry -Java-apple, wax jambu

### **Onagraceae**

\**Ludwigia peruviana* (L.) Hara - false loosestrife

### **Orchidaceae**

*Dendrobium aphyllum* (Roxb.) C.E.C. Fischer - dendrobium orchid

### **Oxalidaceae**

*Averrhoa bilimbi* L - bilimbi, blimbing, cucumber tree, tree sorrel  
*Averrhoa carambola* L. - carambola, starfruit

### **Piperaceae**

*Piper sp.* - pepper

### **Polygalaceae**

*Polygala cowellii* (Britton) Blake - violet-tree

### **Polygonaceae**

*Antipogon leptopus* Hooker & Arnott - coralvine  
*Triplaris cumingiana* Fischer & C.A. Meyer ex C.A. Meyer - palo santo, guayabo  
hormiguero

### **Proteaceae**

*Macadamia integrifolia* Maiden & Betche - macadamia nut  
*Macadamia tetraphylla* L. A. S. Johnson - macadamia nut

### **Rhamnaceae**

- \**Krugiodendron ferreum* (Vahl) Urban - black ironwood
- Ziziphus mauritiana* Lamarck - Indian jujube, aprin, bedara, Chinese apple

### **Rhizophoraceae**

- Rhizophora mangle* (L.) - red mangrove

### **Roseaceae**

- Malus sylvestris* Miller - crab apple, European crab apple
- Pyrus* sp. - pear
- Rosa* sp. - rose

### **Rubiaceae**

- \**Erithalis fruticosa* L.- black torch
- Gardenia jasminoides* Ellis - gardenia
- Gardenia thunbergia* L.f. - Thunberg's gardenia
- Hamelia cuprea* Grisebach - Bahamas flame bush
- \**Hamelia patens* Jacquin – firebush
- Ixora* sp.- ixora
- Mussaenda erythrophylla* Schumacher & Thonning
- Pentas lanceolata* (Forsskal) Deflers - star cluster, Egyptian star cluster
- \**Psychotria ligustrifolia* (Northrup) Millspaugh - Bahama wild-coffee, privet-leaf wild-coffee
- \**Psychotria nervosa* Swartz - wild-coffee
- Psychotria punctata* Vatke - dotted wild-coffee
- \**Psychotria sulzneri* Small – velvetleaf wild-coffee
- Psychotria viridis* - wild coffee, chacruna, samiruca
- \**Randia aculeata* L.- white Indigoberry
- Rondeletia leucophylla* Kunth – bush pentas, Panama rose
- Spermacoce verticillata* L. - boton blanco, shrubby false buttonweed

### **Rutaceae**

- \**Amyris balsamifera* L. - balsam torchwood
- \**Amyris elemifera* L.- sea torchwood
- Citrus X paradisi* Macfadyen - grapefruit
- Clausena lansium* (Loureiro) Skeels - wampi
- Evodia ridleyi* Hochreutiner - lacy lady aralia
- Fortunella japonica* (Thunberg) Swingle - round kumquat
- Murraya paniculata* (L.) Jack - orange-jessamine, Chinese box

## **Salicaceae**

\**Salix caroliniana* Michaux - coastal plains willow

## **Sapindaceae**

*Alectryon coriaceus* Radlkofer - smooth rambutan, beach bird's eye

*Allophylus cominia* (L.) Sw.

*Blighia sapida* König - akee

*Cupaniopsis anacardioides* (A. Richard) Radlkofer - carrotwood, tuckeroo

*Dodonaea viscosa* Jacquin - varnish leaf, hopbush

\**Exothea paniculata* (Jussieu) Radlkofer - inkwood

*Filicium decipiens* (Wight & Arnott) Thwaites - Japanese fern-tree

*Harpullia arborea* (Blanco) Radlkofer - hom, magalad, puas

\**Hypelate trifoliata* Swartz - white ironwood

*Koelreuteria elegans* (Seemann) A.C. Smith - golden-rain tree

*Litchi chinensis* Sonnerat - lychee

*Melicocca bijuga* L. - Spanish-lime, mamoncillo

*Talisia olivaeformis* (Humboldt, Bonpland & Kunth) Radlkofer (guayo, cotopris, mamon de mico)

## **Sapotaceae**

\**Bumelia celastrina* Humboldt, Bonpland & Kunth - saffron-plum

*Calvaria inermis* - white milkwood

*Chrysophyllum cainito* L. - star-apple

\**Chrysophyllum oliviforme* L. - satinleaf

\**Dipholis salicifolia* (L.) Alphonse de Candolle - willow bustic

\**Manilkara jaimiqui* (C. Wright) Dubard - wild-dilly

*Manilkara kauki* (L.) Dubard - wongi

*Manilkara pleeana* (Pierre) Cronquist - zapote de costa

*Manilkara roxburghiana* (Wight) Dubard - mimusops

*Manilkara zapota* (L.) Van Royen ) - sapodilla, nispero

\**Mastichodendron foetidissimum* (Jacquin) H. J. Lam - false-mastic

*Mimusops balata* (Aublet) Gaertner ) - bullet tree, ausubo

*Mimusops caffra* A. de Candolle - coast red-milkwood

*Mimusops elengi* L. - Spanish-cherry

*Pouteria caimito* Radlkofer - abju

*Sideroxylon americanum* (Miller) T. D. Penn - Bois-de fer jaune

*Sideroxylon salicifolium* (L.) Lam. - willow bustic

*Synsepalum dulcificum* Schumacher & Thonning - miracle fruit

### **Solanaceae**

*Brunfelsia lactea* Krug & Urban - vega blanca

*Brunfelsia nitida* Bentham - lady-of-the-night

\**Cestrum diurnum* L. - day cestrum

*Cestrum nocturnum* L. - night-blooming jessamine

*Solanum diphyllum* L. - Amatillo

\* *Solanum tampicense* Dunal - aquatic soda-apple, espina de manglar

\* *Solanum torvum* Sw. - turkeyberry, prickly solanum

### **Sterculiaceae**

*Sterculia ceramica* R. Brown - Fairchild sterculia

*Pterospermum acerifolium* (L.) Willdenow - maple leaved buyar

### **Tiliaceae**

*Grewia occidentalis* L. – starflower

*Trumfeta semitriloba* Jacquin - burbrush

### **Theophrastaceae**

*Jacquinia armillaris* Jacquin - barbasco

*Jacquinia aurantiaca* Aiton - chica

### **Urticaceae**

*Pouzolzia zeylanica* (L.) Benn.- Pouzolz's bush

### **Verbenaceae**

\**Avicennia germinans* (L.) L. - black mangrove

*Callicarpa americana* L.- beautyberry, French mulberry

*Duranta erecta* L. - golden dewdrop

*Petrea volubilis* Jaquin - queen's wreath

### **Vitaceae**

\**Parthenocissus quinquefolia* (L.) Planchon - Virginia-creeper

\* *Vitis rotundifolia* Michaux - muscadine grape

### **Zygophyllaceae**

*Guaiacum officinale* L.- lignum-vitae, guayacan

\**Guaiacum sanctum* L - lignum-vitae, guayacan

**Angiosperms: monocotyledons**

**Palmae**

*Phoenix roebelenii* O'Brien - miniature date palm

**Conifers:**

**Cupressaceae**

\**Juniperus silicicola* (Small) Bailey - southern red cedar

\**Juniperus virginiana* L. - red cedar

**Taxodiaceae**

\**Taxodium distichum* (L.) L. Richter – baldcypress