



Florida Department of Agriculture and Consumer Services
CHARLES H. BRONSON, Commissioner
The Capitol • Tallahassee, FL 32399-0800

Please Respond to:
Division of Plant Industry
PO Box 147100
Gainesville FL 32614-7100
352-372-3505

September 14, 2005

MEMORANDUM

TO: Registered Florida Nurseries

FROM: Richard D. Gaskalla, Director, FDACS/Division of Plant Industry

SUBJECT: Citrus Greening / Huanglongbing

Due to the recent detection of citrus greening disease (*Candidatus Liberibacter asiaticus*) in Miami-Dade County, we would like to provide you with access to the latest information in regards to this disease and the current regulations. Enclosed is a Citrus Greening Pest Alert (September 2005). The Division of Plant Industry also maintains an internet website with details and information about Citrus Greening. The website address is: <http://www.doacs.state.fl.us/pi/enpp/ento/citrusgreening.html>

Citrus greening disease is considered to be one of the most serious citrus diseases in the world. The bacteria are transmitted primarily by insect vectors (citrus psyllid). The citrus psyllid was first detected in Florida in 1998 and has since been detected throughout the state.

At the present time and due to the direct exposure of citrus greening disease in Miami-Dade County, all ornamental citrus psyllid host plant material in addition to all citrus is quarantined and prohibited from movement out of Miami-Dade County. Please be advised that a compliance agreement is being developed in conjunction with the United States Department of Agriculture that will include recommended controls and treatments for the citrus psyllid. These treatments will allow for citrus psyllid host plant material, excluding all citrus and citrus greening host plants, from Miami-Dade County to be shipped within the state of Florida and to non-citrus producing states. The certification process for host plants of the citrus greening disease is more complex and will take more time to develop certification procedures.

For all other counties, the interstate shipping (shipments outside the state of Florida) of all host plants of the citrus psyllid (including citrus) is permitted, except to citrus producing states (Arizona, California, Louisiana, Texas, and Puerto Rico). If citrus greening disease is detected in additional counties, the regulations established for Miami-Dade County will be applied.



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A complete host list of the citrus greening and the citrus psyllid is enclosed.

Please be advised that current Citrus Canker quarantine areas remain in effect; these quarantines prohibit the movement of citrus out of the quarantine area. Should you have any questions, please contact your local district inspector or refer to our website.

RDG/cb

xc: Bureau of Plant and Apiary Inspection Inspectors and Supervisors
Ben Bolusky, Executive Vice President, FNGLA
Dr. Joan Dusky, UF/IFAS County Cooperative Extension
Mike Shannon, State Plant Health Director, USDA/APHIS/PPQ

Enclosures: Citrus Psyllid & Citrus Greening Host List (Sept 05)

HOST PLANT LIST

Diaphorina citri (Citrus Psyllid) host plants: (Adapted from Halbert and Manjunath, 2004)

Aegle marmelos (L.)
Aeglopsis chevalieri Swingle
Afraegle gabonensis Engl.
Afraegle paniculata (Schaum.) Engl.
Artocarpus heterophyllus Lamarck
Atalantia missionis Oliver
Atalantia monophylla (L.) Corr.
Atalantia sp.
Balsamocitrus dawei Stapf
Citropsis gilletiana Swingle & M. Kellerman
Citropsis schweinfurthii (Engl.) Swingle & Kellerm.
Citrus aurantifolia (Christm.) Swingle
Citrus aurantium L.
Citrus deliciosa Tenore
Citrus grandis (L.) Osbeck (*C. maxima*)
Citrus hystrix DC.
Citrus jambhiri Lushington
Citrus limon (L.) Burm.
Citrus madurensis Loar.
Citrus maxima (Burm.) Merr.
Citrus medica L.
Citrus meyeri Tan
Citrus x nobilis Lour.
Citrus obovoidea Hort. ex Tanaka cv 'Kinkoji'
Citrus x paradisi Macfad.
Citrus reticulata Blanco
Citrus sinensis (L.) Osbeck Aubert
Citrus spp
Clausena anisum-olens Merrill
Clausena excavata Burm
Clausena indica Oliver
Clausena lansium (Lour.) Skeels
Eremocitrus glauca (Lindley) Swingle
Eremocitrus hybrid
Fortunella crassifolia Swingle
Fortunella margarita (Lour.) Swingle
Fortunella polyandra (Ridley) Tanaka
Fortunella spp.,
Limonia acidissima L.
Merrillia caloxylon (Ridley) Swingle
Microcitrus australasica (F.J. Muell.) Swingle
Microcitrus australis (Planch.) Swingle
Microcitrus papuana H.F. Winters
Microcitrus sp. 'Sidney'
Murraya exotica L.
Murraya koenigii (L.) Sprengel
Murraya paniculata (L.) Jack
Naringi crenulata (Royb.) Nicholson
Pamburus missionis (Wight) Swingle
Poncirus trifoliata (L.) Raf.
Severinia buxifolia (Poiret) Ten.
Swinglea glutinosa (Blanco) Merr.
Toddalia asiatica (L.) Lam
Triphasia trifolia (Burm. f.) P. Wilson
Vepris lanceolata G. Don
Zanthoxylum fagara (L.) Sarg..

Apparent non-hosts:

Casimiroa edulis Llave & Lex.
Zanthoxylum clava-herculis L

Candidatus Liberibacter (Citrus Greening) host plants: (Adapted from Halbert and Manjunath, 2004)

Aeglopsis chevalieri Swingle
Atalantia missionis Oliver
Balsamocitrus dawei Stapf.
Calodendrum capensis Thunb.
Catharanthus roseus (L.) G. Don
X *Citroncirus webberi* J. Ingram & H. E. Moore
Citrus amblycarpa Ochse
Citrus aurantifolia (Christm.) Swingle
Citrus aurantium L.
Citrus depressa Hayata
Citrus grandis (L.) Osbeck
Citrus hassaku Hort. ex Tanaka
Citrus hystrix DC.
Citrus ichangensis Swingle
Citrus jambhiri Lushington
Citrus junos Sieb. ex Tanaka
Citrus kabuchi Hort. ex Tanaka
Citrus limon (L.) Burm.
Citrus · limonia Osbeck
Citrus maxima (Burm.) Merr.
Citrus x nobilis Lour. 'Ortanique'
Citrus x nobilis Lour.
Citrus oto Hort. ex Tanaka
Citrus x paradisi Macfad.
Citrus reticulata Blanco
Citrus sinensis (L.) Osbeck
Citrus sunki Hort. ex Tanaka
Citrus unshiu (Mack.) Marc
Clausena indica Oliver
Clausena lansium (Lour.) Skeels
Cuscuta australis R. Br. (Convolvulaceae, Cuscutaceae)
Fortunella spp.
Limonia acidissima L.
Microcitrus australasica (F. J. Muell.) Swingle
Murraya koenigii (L.)
Poncirus trifoliata (L.) Raf.
Severinia buxifolia (Poiret) Ten.
Swinglea glutinosa (Blanco) Merr.
Toddalia lanceolata Lam
Triphasia trifolia (Burm. f.) P. Wilson

Possible non-hosts:

Citrus indica Tanaka
Citrus limetta Risso
Citrus macroptera Montrons

For a more complete discussion of the circumstances for placement on the psyllid and greening pathogen host lists, consult Halbert, S. E. & K. L. Manjunath. 2004. FL Entomologist 87:330-353.