

BIOSECURITY OF PROCESSED & UNPROCESSED GREEN WASTE / MATERIAL

The County of Los Angeles Department of Agricultural Commissioner/Weights and Measures (ACWM) participates in overall cooperative efforts to prevent the introduction of, to detect and, on occasion, to eradicate invasive exotic insect and plant pests.

Upon detection of an exotic pest infestation and determination that a quarantine is necessary, ACWM staff, in cooperation with the California Department of Food and Agriculture (CDFA) and the United States Department of Agriculture (USDA), conduct extensive delimitation trapping to determine the extent of the infestation.

- CDFA declares an emergency need to eradicate the pest and establish a quarantine boundary.
- ACWM develops lists of all businesses and/or growers impacted by the quarantine within the designated boundary within 96 hours.
- Once the core area and infestation extent is determined, CDFA and USDA place holds on specified plant materials upon properties within the boundaries.
- CDFA and USDA crews strip fruit from properties at which adult pest specimens are trapped or larval specimens of the pests are found. Stripped fruit is placed in two layers of plastic bags and taken to a landfill for immediate burial to eliminate threat of spread of the quarantined pest.
- Upon request and direction of CDFA, ACWM regulatory staff assist CDFA and USDA, at varying degrees, in contacting, educating, and completing initial quarantine compliance agreements with affected businesses.
- Upon completion of compliance agreements with all affected businesses and under the direction of CDFA, ACWM staff will periodically visit affected businesses to assure compliance with quarantine requirements.
- This will generally continue until CDFA and USDA can bring enough longer-term resources into the quarantine zone to regulate movement of restricted plant materials and ACWM staff are no longer needed.
- CDFA and USDA will continue to regulate affected businesses/growers until the quarantined pest has been fully eradicated.
- After requirements are explained and a Compliance Agreement is issued, a business is responsible for maintaining compliance, per the agreement, including training employees in the details and mechanisms for maintaining compliance. CDFA cannot, with limited resources, actively monitor all activities of those under Compliance Agreements, though non-compliance is subject to general and, if provided for, specific penalties if discovered. Cases of non-compliance are handled by the Counties involved and overseen by CDFA.
- When products/plant materials are found to be in violation of quarantine requirements and restrictions, CDFA and USDA staff place those items in two layers of plastic bags and take them to a landfill for immediate burial to eliminate the threat of spreading the quarantined pest.

Current Quarantines Affecting L.A. County

Quarantines currently existing in Los Angeles County and imposing restrictions on the movement of certain plant materials include Light Brown Apple Moth, Asian Citrus Psyllid, Huanglongbing, and *Phytophthora ramorum*. Specific restrictions are detailed in individual quarantines and in the compliance agreements.

For Light Brown Apple Moth: Section 3434 (CCR):

(c) Articles and Commodities Covered. The following are declared to be hosts and possible carriers of light brown apple moth.

- (1) All nursery stock.
- (2) All green waste residues from any plants.
- (3) All fresh garlands, wreaths, cut flowers and greens produced within the quarantine/regulated area.
- (4) All harvested fruits and vegetables produced within the quarantine/regulated area except the following commercially-produced crops:

Arugula
Artichoke (globe)
Asparagus
Beets without tops
Bok Choy
Broccoli
Brussel sprouts
Bulb crops without tops
Carrots without tops
Celery
Cabbage
Cauliflower
Chard
Collard greens
Cucumber
Eggplant
Endive
Escarole
Frisee
Garlic without tops
Kale
Kiwi
Kohlrabi
Leeks
Lettuce (head and leaf)
Litchi tomato
Mache
Melons
Olive
Onions without tops
Parsley
Parsnips without tops

Peppers
Potato
Pumpkin
Radicchio
Radish without tops
Rapini
Rutabagas without tops
Seed crops without any plant material
Spinach
Squash
Tomato
Tuber crops without tops
Turnips without tops
Walnuts
Zucchini

- (5) Any other harvested plant parts which by scientific investigation is shown to be capable of sustaining light brown apple moth in any stage of development.
- (6) Possible carriers shall include all appliances used in the growing, harvesting, processing and hauling of the host plants and plant parts and any green waste residues including but not limited to tractors, trailers, trucks, planting, picking and pruning equipment and processing machinery and any other article, thing or means of conveyance when it is determined by the Secretary or county agricultural commissioner to present a hazard of spreading live life stages of the light brown apple moth.
- (7) Exemptions. The following articles are exempt from the provisions of this subsection:
 - (A) Seed extracted from fruit;
 - (B) Defoliated dormant bare-rooted nursery stock;
 - (C) Defoliated dormant nursery stock in containers where all leaf litter and any weeds have been removed;
 - (D) Privately-owned indoor decorative houseplants; and,
 - (E) Dying or dead plant material (green waste) that has been **processed** or **handled** or **treated** in a manner **approved by the Secretary** to eliminate live life stages of the light brown apple moth **and is moved directly to a city or county sanitary landfill or State licensed compost facility** within the quarantine/regulated area.

Restrictions.

(1) Articles and commodities covered in subsection (c)(1), (2), (3), (4) and (5) are prohibited movement within or from the quarantine area except as provided in (A), (B), (C), (D), (E) and (F) below:

(A) If accompanied by a certificate issued by an authorized agricultural official affirming that the articles and commodities originated from a site or facility which is apparently free from light brown apple moth.

(B) If accompanied by a certificate issued by an authorized agricultural official affirming that the articles and commodities have been inspected or treated in a manner approved by the Department and are apparently free from light brown apple moth.

(C) If purchased at a retail sales location and accompanied by a sales receipt.

(D) If the article or commodity was produced outside the area under quarantine and is being moved through the area under quarantine by direct route and without delay in vehicles or containers which prevent exposure to infestation of the article or commodity to light brown apple moth while en route through the area.

(E) If the article or commodity covered is moved under the terms of a special permit as authorized under Title 3, Section 3154 of the California Code of Regulations.

(F) If the article or commodity covered is moved from the quarantine area directly into the regulated area without transiting an unregulated area.

(2) Articles and commodities covered in subsection (c)(6) are prohibited movement within or from the area under quarantine except if cleaned and treated to the satisfaction of the Department or county agricultural commissioner.

(3) Articles and commodities covered in subsection (c) may move unrestricted within the regulated area. Articles and commodities covered in subsection (c) are prohibited movement from the regulated area except as provided in (A), (B), (C), (D) and (E) below:

(A) If accompanied by a certificate issued by an authorized agricultural official affirming that the articles and commodities originated from a site or facility which is apparently free from light brown apple moth.

(B) If accompanied by a certificate issued by an authorized agricultural official affirming that the articles and commodities have been inspected or treated in a manner approved by the Department and are apparently free from light brown apple moth.

(C) If purchased at a retail sales location and accompanied by a sales receipt.

(D) If the article or commodity was produced outside the area under quarantine or the regulated area and is being moved through the area under quarantine and the regulated area by direct route and without delay in vehicles or containers which prevent exposure to infestation of the article or commodity to light brown apple moth while en route through the area.

(E) If the **article or commodity** covered is **moved under** the terms of a **special permit** as authorized under Title 3, Section 3154 of the California Code of Regulations.

(F) Articles and commodities covered in subsection (c)(6) are prohibited movement from the regulated area except if cleaned and treated to the satisfaction of the Department or county agricultural commissioner.

For **Asian Citrus Psyllid**: Sections 3435 (CCR):

(c) Articles and Commodities Covered. The following are declared to be hosts and possible carriers of *Diaphorina citri*.

(1) All nursery stock, plants, plant parts, including green waste, and plant products capable of propagation, except seed extracted from fruit of:

Aegle marmelos (bael, Bengal quince, golden apple, beta, milva)
Aeglopsis chevalieri (Chevalier's aeglopsis)
Afraegle gabonensis (Gabon powder-flask)
Afraegle paniculata (Nigerian powder-flask)
Amyris madrensis (mountain torchwood)
Atalantia missionis (=Pamburus missionis)
Atalantia monophylla (Indian atalantia)
Atalantia spp.
Balsamocitrus dawei (Uganda powder-flask)
Bergia (=Murraya) *koenigii* (curry leaf)
Calodendrum capense (Cape chestnut)
X Citrocirus webberi
Choisya arizonica (Arizona orange)
Choisya ternate (Mexican or mock orange)
Citropsis articulata (Katimboro, Muboro, West African cherry orange)
Citropsis gillettiana (cherry-orange)
Citropsis schweinfurthii (African cherry-orange)
Citrus aurantiifolia (lime, Key lime, Persian lime, lima, limón agrio, limón ceutí, lima mejicana, limero)
Citrus aurantium (sour orange, Seville orange, bigarde, marmalade orange, naranja agria, naranja amarga)
Citrus hystrix (Mauritius papeda, Kaffir lime)
Citrus jambhiri (rough lemon, jambhiri-orange, limón rugoso, rugoso)
Citrus limon (lemon, limón, limonero)
Citrus madurensis (=X *Citrofortunella microcarpa*)
Citrus maxima (pummelo, pomelo, shaddock, pompelmous, toronja)
Citrus medica (citron, cidra, cidro, toronja)
Citrus meyeri (Meyer lemon, dwarf lemon)
Citrus x nobilis (king mandarin, tangor, Florida orange, King-of-Siam)
Citrus x paradisi (grapefruit, pomelo, toronja)
Citrus reticulata (mandarin, tangerine, mandarina)
Citrus sinensis (sweet orange, orange, naranja, naranja dulce)
Citrus spp.
Clausena anisum-olens (anis)
Clausena excavata (clausena)
Clausena indica (clausena)
Clausena lansium (wampi, wampee)
Clymenia polyandra (a-mulis)
Eremocitrus glauca (Australian desert lime)
Eremocitrus hybrid
Esenbeckia berlandieri (Berlandier's jopoy)
Fortunella crassifolia (Meiwa kumquat)
Fortunella margarita (Nagami kumquat, oval kumquat)
Fortunella polyandra (Malayan kumquat)
Fortunella spp.

Limonia acidissima (Indian wood apple)
Merrillia caloxylon (flowering merrillia)
Microcitrus australasica (finger-lime)
Microcitrus australis (Australian round-lime)
Microcitrus papuana (desert-lime)
X Microcitronella spp.
Murraya spp. (curry leaf, orange-jasmine, Chinese-box, naranjo jazmin)
Naringi crenulata (naringi)
Pamburus missionis (pamburus, = *Atalantia missionis*)
Poncirus trifoliata (trifoliolate orange, naranjo trebol)
Severinia buxifolia (Chinese box-orange)
Swinglea glutinosa (tabog)
Tetradium ruticarpum (evodia, wu zhu yu)
Toddalia asiatica (orange climber)
Triphasia trifolia (trifoliolate limeberry, triphasia)
Vepris (= *Toddalia*) *lanceolata* (white ironwood)
Zanthoxylum fagara (wild lime, lime prickly-ash)

(2) Any other articles which are infested or exposed to infestation by *Diaphorina citri*.

(3) Possible carriers shall include all appliances used in the growing, harvesting, processing and hauling of the host plants and plant parts and any green waste residues including but not limited to tractors, trailers, trucks, planting, picking and pruning equipment and processing machinery and any other article, thing or means of conveyance when it is determined by the Secretary or county agricultural commissioner to present a hazard of spreading live life stages of the *Diaphorina citri*.

(4) Citrus fruit in bulk containers or bins or any citrus fruit with leaves and stems attached.

(5) Exemptions. The following articles are exempt from the provisions of this subsection:

- (A) Host fruit commercially cleaned, graded and packed within the regulated area may move within or from the area;
- (B) Defoliated dormant bare-rooted nursery stock,
- (C) Defoliated dormant nursery stock in containers where all leaf litter and any weeds have been removed

Restrictions.

(1) Articles and commodities covered in subsection (c)(1), (2) and (4) are prohibited movement from the area under quarantine except if the article or commodity covered is moved under the terms of a special permit as authorized under Title 3, Section 3154 of the California Code of Regulations.

(2) Articles and commodities covered in subsection (c)(3) are prohibited movement from the area under quarantine except if cleaned and/or treated in a manner to eliminate all live life stages of *Diaphorina citri* to the satisfaction of the Department or county agricultural commissioner.

(3) Articles or commodities originating outside the quarantine area may be moved directly through the area under quarantine without delay and by a direct route in an enclosed vehicle or container or completely enclosed by a covering to prevent exposure to the *Diaphorina citri* while enroute through the area.

(4) All nursery stock sold or distributed within the quarantine area shall be treated in a manner approved by the Department and bear a label stating that it may not be moved outside the quarantine area.

For Huanglongbing: Section 3439 (CCR):

(c) Articles and Commodities Covered.

(1) The following are declared to be hosts and possible carriers of the disease HLB and ACP or ACP; all plants, plant parts (except fruit free from all leaves and stems) and propagative seed of:

Aeglopsis chevalieri (Chevalier's aeglopsis)
Aegle marmelos (bael, Bengal quince, golden apple, bela, milva)*
Afraegle gabonensis (Gabon powder-flask)*
Afraegle paniculata (Nigerian powder-flask)*
Amyris madrensis (mountain torchwood)*
Atalantia missionis (=Pamburus missionis)*
Atalantia monophylla (Indian atalantia)*
Atalantia spp.*
Balsamocitrus dawei (Uganda powder-flask)
Bergera (=Murraya) *koenigii* (curry leaf)
Calodendrum capense (Cape Chestnut)
Choisya arizonica (Arizonia orange)*
Choisya ternate (Mexican or mock orange)*
X Citroncirus webberi (citrange)
Citropsis articulata (Katimboro, Muboro, West African cherry orange)*
Citropsis gilletiana (cherry-orange)*
Citropsis schweinfurthii (African cherry-orange)*
Citrus aurantiifolia (lime, Key lime, Persian lime, lima, limón agrio, limón ceutí, lima mejicana, limeró)
Citrus aurantium (sour orange, Seville orange, bigarde, marmalade orange, naranja agría, naranja amarga)
Citrus hystrix (Mauritius papeda, Kaffir lime)
Citrus jambhiri (rough lemon, jambhiri.orange, limon rugoso, rugoso)
Citrus limon (lemon, limón, limonero)
Citrus madurensis (=X *Citrofortunella microcarpa*) (calamondin)
Citrus maxima (pummelo, pomelo, shaddock, pompelmous, toronja)
Citrus medica (citron, cidra, cidro, toronja)
Citrus meyeri (Meyer lemon, dwarf lemon)
Citrus x nobilis (king mandarin, tangor, Florida orange, King-of-Siam)
Citrus x paradisi (grapefruit, pamela, toronja)
Citrus reticulata (mandarin, tangerine, mandarína)
Citrus sinensis (sweet orange, orange, naranja, naranja dulce)
Citrus spp,
Clausena anisum-olens (anis)*
Clausena excavata (clausena)*
Clausena indica (clausena)
C.lansium (wampi, wampee)
Clymenia polyandra (a-mulis)*
Eremocitrus glauca (Australian desert lime)*
Eremocitrus hybrid*
Esenbeckia berlandieri (Berlandier's jopoy)*
Fortunella crassifolia (Meiwa kumquat)
Fortunella margarita (Nagami kumquat, oval kumquat)
Fortunella polyandra (Malayan kumquat)
Fortunella spp.
Limonia acidissima (Indian wood apple)
Merrillia caloxylon (flowering merrillia)*
Microcitrus australasica (finger-lime)
Microcitrus australis (Australian round-lime)*
Microcitrus papuana (desert-lime)*
X Microcitronella spp.*
Murraya spp. (curry leaf, orange-jasmine, Chinese-box, naranjo jazmin)
Naringi crenulata (naringi)*
Pamburus missionis (pamburus, =*Atalantia missionis*)*

Poncirus trifoliata (trifoliate orange, naranjo trebol)

Severinia buxifolia (Chinese box-orange)

Swinglea glutinosa (tabog)

Tetradium ruticarpum (evodia, wu zhu yu)*

Toddalia asiatica (orange climber)*

Triphasia trifolia (trifoliate limeberry, triphasia)

Vepris (= *Toddalia*) *lanceolata*. (white ironwood)

Zanthoxylum fagara (wild lime, lime prickly-ash)*

*Not a known host for HLB & propagative seeds of species denoted with an asterisk are not regulated.

(2) Any other articles or commodities which are infested or exposed to infestation by ACP or HLB.

(3) Possible carriers shall include all appliances used in the growing, harvesting, processing and hauling of the host plants and plant parts and any green waste residues including but not limited to tractors, trailers, trucks, planting, picking and pruning equipment and processing machinery and any other article, thing or means of conveyance when it is determined by the Secretary or county agricultural commissioner to present a hazard of spreading live life stages of the ACP or HLB and the person in possession thereof has been so notified.

(4) Exemptions. The following articles are exempt from the provisions of this subsection:

Dying or dead plant material (green waste) that has been processed or handled or treated in a manner approved by the Secretary to eliminate live life stages of the ACP and is moved directly to a city or county sanitary landfill or State licensed compost facility within the quarantine area.

The articles and commodities covered in subsections (C)(3) are prohibited movement within or from the area under quarantine except as provided in (a) or (b) below:

- a. If accompanied by a certificate issued by an authorized agricultural official affirming that the articles and commodities have been treated in a manner approved by the Department and is apparently free from ACP.
- b. If the article or commodity covered is moved under the terms of a special permit as authorized under Title 3, Section 3154 of the California Code of Regulations.

Phytophthora ramorum:

While not a regulated area under State Miscellaneous Ruling 3700; Oak Mortality Disease Control, Los Angeles County (as are all counties in California) is a regulated area under Federal Domestic Quarantine 301.9. There is **no enforcement in Los Angeles County at this time.**

The quarantines and Compliance Agreements are the mechanism, backed by specific penalties and FAC Sections 5701-5705, which provide authority and specific penalties for non-compliance:

Authority and penalty provisions:

FOOD AND AGRICULTURAL CODE SECTIONS 5701-5705

5701.

(a) If any pest exists on any premises, the director or the commissioner may hold any plant or other host or possible carrier which is, or may be, capable of disseminating or carrying the pest.

The director or the commissioner also may hold the plants, other hosts, or other possible carriers on any premises within five miles of the premises on which the pest was found to exist. The director or commissioner shall notify the owner of the plant or other host or possible carrier, or his or her agent, of this action, and the issuance of any shipping permit or nursery stock certificate with respect to the plant or other host or possible carrier shall be refused and any such permit or certificate which has been previously issued shall be revoked.

(b) The distance from the premises at which a pest is found that the director or commissioner may hold plants, other hosts, or other possible carriers shall be the maximum distance that the director or commissioner determines the pest is likely to travel, but not to exceed five miles.

5702. If, in the opinion of the director or commissioner, the plant or other host or possible carrier is not infested or infected with the pest, or has been disinfected or cleaned so as to eradicate or control the pest, the director or commissioner shall in writing release it or issue the shipping permit or nursery stock certificate as the case may be.

5703. This article does not affect any other authority which is granted to a commissioner by Chapter 3 (commencing with Section 6501), Part 2 of this division.

5704. It is unlawful for any person to move any plant or other host or possible carrier from the premises on which a hold notice has been issued, except under the written permission of the director or commissioner and in accordance with the conditions which are stated in the written permission.

5705. (a) The **director or commissioner may enter into compliance agreements** with any person **which provide for the movement of hosts or other possible carriers** of any pest from one area of the state to another. These **agreements shall establish** the treatment, harvesting, packing, and **handling requirements** that may be necessary to **assure that the hosts or carriers are not infested.**

(b) Violation of the treatment, harvesting, packing, or handling terms of a compliance agreement is unlawful.

(c) Any person who violates treatment, harvesting, packing, or handling terms in an agreement is also liable civilly in an amount not exceeding ten thousand dollars (\$10,000). This remedy is in addition to, and does not supersede or limit, any and all other remedies, civil or criminal, that otherwise are available to the state.

(d) Any funds recovered by the department pursuant to this section shall be deposited in the Department of Food and Agriculture Fund for use, upon appropriation by the Legislature, to cover costs related to the enforcement of this division.