

### 3252. CARIBBEAN FRUIT FLY

State Exterior Quarantine

A quarantine is established against the following pest, its hosts, and possible carriers.

**A. Pest.** Caribbean fruit fly, *Anastrepha suspensa*, of the family Tephritidae is, in the adult state, a yellowish-brown fly from one and a half to two times the size of a housefly. This insect is a serious pest of many kinds of fruit.

**B. Area Under Quarantine.** The Commonwealth of Puerto Rico and all the State of Florida south of and including Hernando, Sumter, Lake, and Volusia counties.

**C. Articles and Commodities Covered.**

**1. The fruit or berries of all plants listed below are declared to be hosts and possible carriers of the Caribbean fruit fly.**

<u>Common Name</u>	<u>Botanical Name</u>
Akee	<i>Blighia sapida</i>
Allspice	<i>Pimenta dioica</i>
Apple	<i>Malus sylvestris</i>
Avocado, except commercial fruit	<i>Persea americana</i>
Barbados Cherry	<i>Malpighia glabra</i>
Bell Pepper, except commercial fruit	<i>Capsicum frutescens</i>
Blackberry	<i>Rubus hybrid</i>
Box Orange	<i>Severinia buxifolia</i>
Calabur	<i>Muntingia calabura</i>
Calamondin	<i>X Citrofortunella mitis</i>
Carambola	<i>Averrhoa carambola</i>
Ceylon Gooseberry	<i>Dovyalis hebecarpa</i>
Cherry of the Rio Grande	<i>Eugenia aggregata</i>
<b>I Clementine</b>	<b><i>Citrus reticulata</i></b>
Cocoplum	<i>Chrysolobanus icaco</i>
Egg Fruit	<i>Pouteria campechiana</i>
Fig	<i>Ficus carica</i>
Governor's Plum	<i>Flacourtia indica</i>
Grapefruit	<i>Citrus paradisi</i>
Grumichama	<i>Eugenia brasiliensis</i>
Guava (all)	<i>Psidium spp.</i>
Guiana Plum	<i>Drypetes lateriflora</i>
Imbe	<i>Garcinia livingstonei</i>
Jaboticaba	<i>Myrciaria cauliflora</i>
Jambolan Plum	<i>Syzygium cumini</i>
Japanese Pear	<i>Pyrus pyrifolia</i>
Japanese Persimmon	<i>Diospyros khaki</i>
Java Apple	<i>Syzygium samarangense</i>
Kei Apple	<i>Dovyalis caffra</i>
Kieffer Pear	<i>Pyrus pyrifolia x Pyrus communis</i>
Kiwi	<i>Actinidia chinensis</i>
Kumquat	<i>Fortunella crassifolia</i>
Kumquat (oval)	<i>Fortunella margarita</i>
Lime	<i>Citrus aurantifolia</i>
Limeberry	<i>Triphasia trifolia</i>
Limequat	<i>X Citrofortunella floridana</i>

Longan, except commercial fruit  
Loquat  
Lychee, except commercial fruit

**I Mandarin**  
Mango  
Miracle Fruit  
Natal Plum  
Nectarine  
Orange Jasmine  
Jack Orangequat

Otaheite Apple

Papaya  
Peach  
Pear  
Pitomba  
Pomegranate  
Pond Apple  
Rangpur Lime  
Rose Apple  
Sapodilla  
Sour Orange  
Sugar Apple  
Surinam Cherry  
Sweet Lemon  
Sweet Orange  
Tangelo

Tangerine  
Temple Orange

Tomato, except commercial fruit

Tropical Almond  
Velvet Apple or Velvet Persimmon  
Wampi  
White Sapote  
Wild Balsam Apple  
Wild Cinnamon  
Wild Dilly

Wild Dilly (cont.)

*Dimocarpus longan*  
*Eriobotrya japonica*

*Litchi chinensis*  
***Citrus reticulata***  
*Mangifera indica*  
*Synsepalum dulcificum*  
*Carissa grandiflora*  
*Prunus persica*  
*Murraya paniculata*  
*Citrus nobilis 'unshu' x Fortunella sp.*

*Spondias dulcis*  
(=S. cytherea)  
*Carica papaya*  
*Prunus persica*  
*Pyrus communis*  
*Eugenia luschnathiana*  
*Punica granatum*  
*Annona glabra*  
*Citrus limonia*  
*Syzygium jambos*  
*Manilkara zapota*  
*Citrus aurantium*  
*Annona squamosa*  
*Eugenia uniflora*  
*Citrus limetta*  
*Citrus sinensis*  
*Citrus paradisi x Citrus reticulata*  
*Citrus reticulata Blanco*  
*Citrus sinensis x Citrus reticulata*  
*Lycopersicon esculentum (L. lycopersicum)*  
*Terminalia catappa*

*Diospyros blancoi*  
*Clausena lansium*  
*Casimiroa edulis*  
*Momordica charantia*  
*Canella winteriana*  
*Manilkara jaimiqui ssp. emarginata*  
*Annona hybrid*  
*Atalantia citriodes*  
*Eugenia coronata*  
*Eugenia ligustrina*  
*Ficus altissima*  
*Garcinia xanthochymus*  
*Manilkara roxburghiana*  
*Myrcianthes fragrans*  
*Myrciaria glomerata*  
*Pseudanmomis umbellulifera*  
*Rheedia aristata*  
*Terminalia muelleri*  
*Trevisia palmata*

**2. Soil or planting media** within the drip area of plants producing, or which have produced, fruit of the plants listed in (1) above.

**D. Restrictions.** Articles and commodities covered are prohibited entry into California from the area under quarantine, except as provided below:

**1. Articles and Commodities Covered Admissible When Treated at Origin.** Articles and commodities covered are admissible into California from the area under quarantine provided each lot or shipment is accompanied by a certificate issued by an authorized representative of the origin State Department of Agriculture or the United States Department of Agriculture affirming that the lot or shipment was treated for Caribbean fruit fly, prior to shipment and under supervision of the origin State Department of Agriculture or the United States Department of Agriculture, in a manner approved by the Secretary of the Department of Food and Agriculture and was not exposed to reinfestation by the fly.

**CARIBBEAN FRUIT FLY FLORIDA INFESTED COUNTIES**

**APPENDIX A 08-02-80**

Brevard	Manatee
Broward	Martin
Charlotte	Monroe
Collier	Okeechobee
Dade	Orange
De Soto	Osceola
Glades	Palm Beach
Hardee	Pasco
Henry	Pinellas
Hernando	Polk
Highlands	Saint Lucie
Hillsborough	Sarasota
Indian River	Seminole
Lake	Sumter
Lee	Volusia

**GUAVA, MANGO, AND PAPAYA**

**APPENDIX B 08-11-80**

Florida officials notified us that all commercial guava, mango, and papaya fruit originating in Florida would be grown in the Caribbean fruit fly infested southern part of the state. This material should be rejected unless certified treated. Exceptions could be backyard grown fruit that the owner asserts originated from a noninfested county or green mangoes (see APPENDIX. G).

**MASTER PERMIT FOR THE SHIPMENT OF CITRUS FRUIT TO CALIFORNIA FROM FLORIDA**

**APPENDIX C 11-30-09**

Master Permit No. QC 222 has been reissued to the Florida Department of Agriculture and Consumer Services (FDACS) to authorize Florida businesses to ship citrus fruit (grapefruits, oranges and tangerines only), grown in Florida in areas certified free of Caribbean fruit fly, shipped to California without fumigation or cold treatment.

Certification: An additional declaration shall be placed on the phytosanitary certificate or USDA Fruit and Vegetable Citrus Certificate stating: "Meets the requirements of

California Master Permit No. QC 222." The certificate must also contain the designated Caribbean Fruit Fly area numbers. The certificate shall have the numbers of boxes of fruit from each designated area included in the shipment as well as the name of the approved shipper and the shipper's assigned identification number.

Standard boxes: Caribbean Fruit Fly certification with the term "designated area" and a corresponding number shall appear on the top surface of the carton.

Gift Pack Shipments: Each carton must be stamped with an authorized FDACS certificate stating "Meets the requirements of California Master Permit No. QC 222." The certificate must also contain the designated Caribbean Fruit Fly area numbers. The certificate must have the numbers of boxes of fruit from each designated area included in the shipment as well as the name of the approved shipper and the shipper's assigned identification number.

**TREATMENTS**

**APPENDIX D 07-19-11**

**COLD TREATMENTS**

Quarantine cold treatments for certain commodities are acceptable. Cold treatment schedules are found in the [USDA Treatment Manual](#). Acceptable cold treatment schedules are T107-a-1 and T107-c, and are summarized as follows:

**T107-a-1**

Apple, cherry, kiwi, nectarine, peach, pear, plum, pomegranate  
34 °F (1.11 °C) or below 15 days  
35 °F (1.67 °C) or below 17 days

**T107-c**

Apple, carambola, cherry, pomegranate  
32 °F (0 °C) or below 11 days  
33 °F (.56 °C) or below 13 days  
34 °F (1.11 °C) or below 15 days  
35 °F (1.67 °C) or below 17 days

**IRRADIATION TREATMENT**

**07-19-11**

The approved irradiation schedule is found in the [USDA Treatment Manual](#). The acceptable irradiation treatment schedule for Caribbean Fruit Fly host material is:

T105, Table 5-2-4 (IR@70Gy minimum)

Phytosanitary certificates for the above listed commodities must state an acceptable quarantine treatment temperature/time duration in the certificate treatment section.

**DEFINITION OF COMMERCIAL FRUIT**

**APPENDIX E 12-12-96**

Commercial fruit means that fruit which has been commercially produced, cleaned, sorted and packed. The foregoing results in fruit that is free of splits or cracks, among other things, and thus without risk of harboring Caribbean fruit fly.

**MAMEY COLORADO  
 APPENDIX F 04-21-99**

Mamey colorado, *Pouteria sapota*, (a.k.a. mamey sapote) fruit, when certified as grown and harvested in Florida from commercial or backyard sources, is allowed into California. Studies conducted by USDA's Agricultural Research Service have been interpreted as demonstrating that this fruit is not a host for Caribbean fruit fly in Florida.

**IMMATURE MANGOS  
 APPENDIX G 04-23-03**

Untreated, Florida-grown **immature** mangos are enterable into California during the period each year from April 15 through July 31, provided they meet the following criteria:

1. Mangos must have flesh that is white, cream, or very light yellow in color. Peel color will vary, and will not necessarily be green.
2. Mangos must be no more than two thirds the full normal size and weight of mature fruit.
3. The sides and shoulder of the fruit must not be fully developed (swollen).
4. The fruit must be accompanied a Florida phytosanitary certificate with the following additional declaration: "The immature mangos in this shipment were harvested prior to July 31 of the current year."

**HOG PLUMS, *Spondias mombin*  
 APPENDIX H 09-12-06**

Hog plums, *Spondias mombin*, are a known host for Caribbean fruit fly and should be rejected under the authority of Section 6461.5 of the FAC unless treated as outlined in Section D.1. of this quarantine.

**RASPBERRIES, *Rubus idaeus*  
 APPENDIX I 12-22-10**

Raspberries, *Rubus idaeus* are a known host for Caribbean fruit fly and should be rejected under the authority of Section 6461.5 the FAC unless treated as outlined in Section D.1. of this quarantine.

**APPROVED FLORIDA COMMERCIAL LITCHI &  
 LONGAN SHIPPERS  
 APPENDIX J 08-10-11**

**Growers/Packers/Shippers (Location)**

AEG Trading Co., Inc., Cindy Vong (Homestead)  
 C&J Lychee Groves, J.D. & Cam Earley (Homestead)  
 C-Brand, c/o Fresh King, Inc., Peter Schnebly  
 (Homestead)  
 Chen-Wan & Kwong Lung Chiu (Loxahatchee)  
 Cook's Grove, Regis Cook (Miami)  
 Daniel J. Hodgman (Miami)  
 Double Green Farms, Mike Chow (Homestead)  
 Ely & Sypha Ham (Homestead)  
 Florida Fresh. Inc., Don Fox (Florida City)  
 Fresh King, Inc., Peter Schnebly (Homestead)  
 JLS Litchi Farm, Jean Saniny (Miami)  
 Joco Produce (Miami)

Kam Tai Farms, Choy Thay Chau (Homestead)  
 Keith Rowe (Homestead)  
 Khemara Farm, Peter Pith (Homestead)  
 Laub Groves, Charles Laub (Homestead)  
 Leaf Farms (Princeton)  
 LNB Groves, Marc Ellenby (Homestead)  
 Lychee Fruit Store, Pete Jaschinski (Loxahatchee)  
 Naples Grove/Gye Nyame, Robert Leisure (Ft. Myers)  
 New Limeco LLC (Princeton)  
 OK Farms, Preeeda Ovakit (Homestead)  
 Perez Groves, Robert Perez (Miami)  
 Richard Quigley (Homestead)  
 Steven Green (Homestead)  
 Sweet Tropical Co., Elaine Le (New Port Richey)  
 Terry & Barbara Glancy (Homestead)  
 Triple 8 Trading Int'l Corp., Frederick Woo (Miami)  
 Tron Dawson, Tron & Joe Dawson (Homestead)  
 USA Sweetheart Lychee Ranch, Robert Leisure (Ft.  
 Myers)  
 Unity Groves (Homestead)  
 Whitman Fruit 'Longan King', Chris Whitman (Miami)  
 William B. Malaney (Homestead)