

Section 3441. *Bactrocera correcta* (Guava Fruit Fly) State Interior Quarantine

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

A. Pest. Guava Fruit Fly (*Bactrocera correcta*).

B. Area Under Quarantine.

1. **An area shall be designated as under quarantine** when survey results indicate an infestation is present, the Department has defined the infested area and the local California County Agricultural Commissioner(s) is notified and requests the quarantine area be established. The Department shall also provide electronic and/or written notification of the area designation(s) to other California County Agricultural Commissioners and other interested or affected parties and post the area description to its website at: www.cdfa.ca.gov/plant/gff/regulation.html. An interested party may also go to the above website and elect to receive automatic notifications of any changes in quarantine areas through the list serve option.
2. **An infestation is present** when:
 - a. **In urban areas**, either eggs, a larva, a pupa, a mated female or eight or more adult guava fruit flies of either sex are detected within three miles of each other and within one life cycle, and all detections shall be more than 4.5 miles from any commercial host production area; or
 - b. **In rural or commercial host production areas**, either eggs, a larva, a pupa, a mated female or six or more adult guava fruit flies of either sex are detected within three miles of each other and within one life cycle; or
 - c. **Satellite infestations:** Notwithstanding (b)(5), a detection of a single life stage of guava fruit fly within any established quarantine area may be considered a satellite infestation and may be used as the epicenter using an additional 4.5 mile radius surrounding the detection to expand the quarantine area.
3. **The initial area under quarantine shall be a minimum of a 4.5 mile radius** surrounding the qualifying detections being used as an epicenter. Commercial host properties shall not be split by the quarantine boundary line and the boundary line shall be expanded beyond the 4.5 miles as necessary to encompass such host

material in its entirety. Wherever possible, known accepted mapping features, including but not limited to roads, streets, highways, creeks, streams, rivers, canals, city, county, State, park and forest boundary lines are used first and if there are no acceptable features such as these then imaginary lines with or without latitude and longitude points may be used.

4. **Any interested party or local entity may appeal** an area designation by submission to the Department of a written request for review of the designation accompanied by clear and convincing evidence justifying a change in the designation. The appeal must be filed no later than ten (10) working days following receipt of the notice of designation. The Department must respond with a written decision no later than ten (10) working days following receipt of the appeal. During the pending of the appeal, the designation under appeal shall remain in effect.
5. **The infested area designation shall be removed** if no additional life stages are detected by trapping or visual surveys for three life cycles after the last detection that triggered the quarantine. Subsequent detections within the quarantine area that are more than three miles from, or one lifecycle after, the detections triggering the quarantine will not affect the area or duration of the quarantine unless they meet the criteria in subsection (b)(2)(A) or (B).
6. **A life cycle** is an estimate of insect phenology based on a heat degree day temperature driven model. Base developmental temperature thresholds are used in this model's calculations and it estimates the generation time period necessary for the completion of a generation of Guava fruit fly. Daily minimum and maximum temperatures are used to produce a sine curve over a 24-hour period. The degree days for that day are estimated by calculating the area above the threshold and below the curve, assuming that the temperature curve is symmetrical around the maximum temperature. For Guava fruit fly the Department uses the lifecycle model with 54.7° Fahrenheit base developmental temperature and 818 degree days Fahrenheit per generation.

C. Commodities Covered.

1. **All fruit, vegetables, and berries of the plants listed herein** are considered suitable hosts and possible carriers of Guava fruit fly *Bactrocera correcta*.

Scientific Name	Common Name
<i>Acca sellowiana</i>	Pineapple-guava, feijoa
<i>Anacardium occidentale</i>	Cashew, el anacardo
<i>Annona cherimola</i>	Cherimoya, custard-apple
<i>Annona muricata</i>	Soursop, araticum-grande
<i>Arecu catechu</i>	Areca palm, Areca
<i>Artocarpus chama</i>	Chaplash
<i>Artocarpus integer</i>	Chempedak
<i>Averrhoa carambola</i>	Carambola (star fruit), Fruta estrella
<i>Baccaurea racemosa</i>	Menteng
<i>Bellucia dichotoma</i>	N/A
<i>Bellucia grossularioides</i>	N/A
<i>Benincasa hispida</i>	Ash Gourd, calabaza de la ceniza
<i>Bouea macrophylla</i>	Gandaria
<i>Bouea oppositifolia</i>	Mariantree
<i>Byrsonima crassifolia</i>	Craboo, golden-spoon
<i>Calycolpus moritzianus</i>	N/A
<i>Campomanesia lineatifolia</i>	Guabiroba, guayaba de leche
<i>Capparis sepiaria</i>	Wild Caper Bush
<i>Capparis thorelii</i>	Cap Thorel, Thorel casquillo
<i>Careya arborea</i>	Slow Match Tree, Slow Árbol Partido
<i>Careya sphaerica</i>	Kra Doon
<i>Carica papaya</i>	Papaya
<i>Carissa carandas</i>	Bengal Currants, Bengala Pasas
<i>Citrus maxima</i>	Pomelo
<i>Citrus reticulata</i>	Mandarin
<i>Citrus sinensis</i>	Sweet Orange
<i>Citrus xsinensis</i>	Sweet orange, blood orange
<i>Citrus xtangelo</i>	Tangelo, uglifruit

<i>Clausena lansium</i>	Wampi
<i>Coccinia grandis</i>	Ivy Gourd, Ivy calabaza
<i>Coffea arabica</i>	Arabica coffee, Arabian coffee
<i>Coffea canephora</i>	Robusta Coffee, café Robusta
<i>Couma utilis</i>	Sorva, sorva pequena
<i>Cucumis melo</i>	Melon
<i>Dimocarpus longan</i>	Longan
<i>Diospyros digyna</i>	Black persimmon, black sapote
<i>Dipterocarpus obtusifolius</i>	Kok Sat
<i>Elaeocarpus hygrophilus</i>	Spanish Plum, Ciruela español
<i>Eriobotrya japonica</i>	Loquat, Japanese-medlar
<i>Eugenia ligustrina</i>	Birchberry, privet stopper
<i>Eugenia luschnathiana</i>	N/A
<i>Eugenia stipitata</i>	Araca-boi, araza
<i>Eugenia uniflora</i>	Brazil-cherry, Surinam-cherry
<i>Flacourtia indica</i>	Governor's Plum, Del gobernador del ciruelo
<i>Flacourtia jangomas</i>	Indian Plum, Ciruela india
<i>Flueggea virosa</i>	Chinese Waterberry
<i>Garcinia dulcis</i>	Eggtree
<i>Garcinia xanthochymus</i>	Sour Mangosteen, mangostán Sour
<i>Heynea trijuga</i>	Buah Pasat
<i>Inga edulis</i>	Ice-cream-bean, inga-cipo
<i>Inga feuilleei</i>	Pacae, pacay
<i>Inga velutina</i>	N/A
<i>Irvingia malayana</i>	Cha Bok
<i>Knema angustifolia</i>	Horse Blood
<i>Lepisanthes fruticosa</i>	Luna Nut, Luna Tuerca
<i>Luffa aegyptiaca</i>	Loofah

<i>Madhuca longifolia</i>	Moatree
<i>Maerua siamensis</i>	N/A
<i>Malpighia emarginata</i>	Barbados Cherry, Barabados cereza
<i>Malpighia glabra</i>	Acerola
<i>Mangifera indica</i>	Mango
<i>Manilkara zapota</i>	Sapote
<i>Mimusops elengi</i>	Spanish Cherry
<i>Muntingia calabura</i>	Calabur Tree, árbol calabur
<i>Musa x paradisiaca</i>	Banana, Plátano
<i>Oenocarpus bacaba</i>	Bacaba palm
<i>Olax scandens</i>	Namchai Khrai
<i>Opuntia monacantha</i>	Drooping Prickly Pear, caídos tuna
<i>Passiflora edulis</i>	Common passionfruit, purple granadilla
<i>Persea americana</i>	Avocado, aguacate
<i>Phyllanthus acidus</i>	Indian Gooseberry, grosella espinosa india
<i>Polyalthia longifolia</i>	Cemetary Tree, árbol de cementerio
<i>Pouteria caimito</i>	Caimito, abiu
<i>Pouteria torta</i>	N/A
<i>Pouteria viridis</i>	N/A
<i>Prunus avium</i>	Sweet Cherry
<i>Prunus cerasus</i>	Dwarf Cherry
<i>Prunus persica</i>	Peach, Nectarine
<i>Prunus salicina</i>	Asian Plum, ciruelo asiático
<i>Psidium acutangulum</i>	N/A
<i>Psidium cattleianum</i>	Strawberry guava, cherry guava
<i>Psidium friedrichsthalianum</i>	Costa Rican guava, arrayan
<i>Psidium guajava</i>	Guava, guayaba

<i>Psidium guineense</i>	Brazilian guava, Guinea guava
<i>Psidium laruotteanum</i>	N/A
<i>Psidium persicifolium</i>	N/A
<i>Psidium sartorianum</i>	N/A
<i>Psidium spp.</i>	N/A
<i>Sandoricum koetjape</i>	Red Santol
<i>Schoepfia fragrans</i>	Xiang Fu Mu
<i>Sideroxylon obtusifolium</i>	N/A
<i>Solanum grandiflorum</i>	N/A
<i>Spondias dulcis</i>	Golden Apple, Manzana dorada
<i>Spondias mombin</i>	Hog-plum, Jamaica-plum
<i>Spondias pinnata</i>	Hog Plum, Hog Ciruela
<i>Spondias purpurea</i>	Purple mombin, hog-plum
<i>Strychnos potatorum</i>	Clearing Nut Tree, claro árbol de la nuez
<i>Syzygium aqueum</i>	Water Apple, agua de Apple
<i>Syzygium borneense</i>	Kelat
<i>Syzygium cumini</i>	Java Plum, Java Ciruela
<i>Syzygium jambos</i>	Rose Apple, Manzana rosa
<i>Syzygium malaccense</i>	Malay Apple, Malay de Apple
<i>Syzygium nervosum</i>	Daly River Satin Ash, daly cenizas río satén
<i>Syzygium samarangense</i>	Java Apple, Java de Apple
<i>Terminalia bellirica</i>	Beach Almond
<i>Terminalia catappa</i>	Tropical Almond
<i>Trichosanthes costata</i>	Ribbed Orange Gourd, Acanalado naranja calabaza
<i>Trichosanthes cucumerina</i>	Serpent Gourd, Serpiente calabaza
<i>Vitis vinifera</i>	Common Grapevine, vid común
<i>Ziziphus jujube</i>	Chinese Jujube, azufaifo chino

<i>Ziziphus mauritiana</i>	Chinese Apple, manzana chino
<i>Ziziphus nummularia</i>	Jujube
<i>Ziziphus oenoplia</i>	Bidara Letek
<i>Zuelania guidonia</i>	N/A

2. **Soil** within the drip area of plants producing, or which have produced fruit, vegetables or berries as listed in (C.1) above.
3. **Any other product, article, 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 Guava fruit fly and the person in possession thereof has been so notified.

D. Restriction on Movement, Possession and sale of Commodities Covered.

1. **At the wholesale level**, articles and commodities covered in subsection (C) are prohibited movement within or from the area under quarantine except as provided in (a) or (b) below:
 - a. If the article or commodity has been treated in a manner approved by the Department to eliminate guava fruit fly, is transported in a manner to preclude exposure to guava fruit fly, and is accompanied by a written certificate issued by an authorized State or county agricultural official affirming compliance with this subsection; or,
 - b. The article or commodity is moving for treatment for guava fruit fly or processing and in a manner approved by the Department to preclude exposure to guava fruit fly and is accompanied by a written certificate issued by an authorized State or county agricultural official affirming such movement has been authorized under this subsection.
2. **At the wholesale level**, articles and commodities covered in subsection (C) which have been commercially produced outside the area under quarantine are prohibited movement into the area under quarantine except when accompanied by a shipping document indicating the point of origin and destination and moved in compliance with (a), (b), or (c) below:
 - a. If the article or commodity is moving 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 guava fruit fly while en route through the area; or
- b. The article or commodity is destined to a wholesale or retail establishment within the quarantined area and, if moving between 9 a.m. and sunset, is transported in an enclosed vehicle or container or completely enclosed by a covering to prevent exposure to the guava fruit fly; or
 - c. The article or commodity is destined to a commercial processing facility.
3. **At the retail level**, articles and commodities covered which have been commercially produced are prohibited movement from or within the area under quarantine except when the person in possession has a sales slip or other comparable document showing the commodity was purchased from a commercial establishment.
4. **Articles and commodities covered which have been noncommercially produced within the area under quarantine, including “backyard” production**, are prohibited movement from the premises where grown except under written authorization of the Department or county agricultural commissioner.
5. **Articles and commodities covered which have been noncommercially produced outside the area under quarantine** are prohibited movement into the area under quarantine except when the person in possession has signed a statement showing the commodity, amount, origin, destination, and date of transportation.
6. **Within the area under quarantine**, no wholesale or retail establishment shall handle, sell, or offer for sale any article or commodity covered unless such commodities are always maintained in a manner approved by the Department to preclude exposure to guava fruit fly. No commodity covered shall be held for sale or sold from a truck, trailer, or other mobile vehicle.

Note: Authority cited: Sections 407, 5301, 5302, and 5322, Food and Agricultural Code. Reference: Sections 407, 5301, 5302, and 5322, Food and Agricultural Code