



## CALIFORNIA EXOTIC FRUIT FLY PROJECT



### Melon Fruit Fly (*Bactrocera cucurbitae*) Host List

#### ***Bactrocera cucurbitae*, Melon Fly Host List**

The berries, fruits, nuts or vegetables of the listed plant species are considered host articles for melon fly. Melon fly is also able to infest flowers, fleshy leaves and stems of some cucurbits, so for the following genera and species, those plant parts are also regulated: *Benincasa hispida*, *Citrullus colocynthis*, *Citrullus lanatus*, *Coccinia* spp., *Cucumis anguria*, *Cucumis melo*, *Cucurbita maxima*, *Cucurbita moschata*, *Cucurbita pepo*, *Lagenaria* spp., *Luffa* spp., *Momordica* spp., *Sechium edule*, *Sicyos* spp. and *Trichonsathes* spp. In addition, all cultivars, varieties, and hybrids of the plant species listed are assumed to be suitable hosts unless proven otherwise.

Scientific Name	Common Name
<i>Abelmoschus esculentus</i>	Okra
<i>Abelmoschus moschatus</i>	Musk okra
<i>Adenia hondala</i>	Hondala
<i>Anacardium occidentale L.</i>	Cashew <sup>1</sup>
<i>Annona muricata</i>	Soursop
<i>Annona reticulata</i>	Apple, Custard
<i>Annona senegalensis</i>	Wild custard apple
<i>Artocarpus heterophyllus</i>	Jackfruit
<i>Averrhoa carambola L.</i>	Starfruit
<i>Baccaurea angulata</i>	Red angle tampoi
<i>Benincasa fistulosa</i>	Round gourd
<i>Benincasa hispida</i>	Melon, Chinese
<i>Brassica juncea</i>	Mustard <sup>2</sup> , leaf
<i>Brassica oleracea var. botrytis</i>	Cauliflower
<i>Capparis sepiaria L.</i>	N/A
<i>Capparis thorelii</i>	N/A
<i>Capsicum annum</i>	Pepper, chili
<i>Capsicum annum L.</i>	Sweet pepper, bell pepper
<i>Capsicum frutescens</i>	Pepper, tabasco
<i>Carica papaya</i>	Papaya, common
<i>Cavratia trifolia</i>	Threeleaf cavratia
<i>Citrullus amarus</i>	Citron melon
<i>Citrullus colocynthis</i>	Colocynth
<i>Citrullus lanatus</i> [ <i>Citrullus vulgaris</i> ]	Watermelon
<i>Citrullus sp.</i>	Melon
<i>Citrus nobilis</i>	Orange, king
<i>Citrus reticulata</i>	Orange, mandarin
<i>Citrus sinensis</i>	Orange, sweet



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<i>Coccinia grandis</i>	Gourd, ivy
<i>Coccinia spp.</i>	Gourds
<i>Crescentia spp.</i>	
<i>Lagenaria spp.</i>	
<i>Momordica spp.</i>	
<i>Trichosanthes spp.</i>	
<i>Cucumis angaria</i>	Gherkin, West Indian
<i>Cucumis melo var. conomon</i>	Melon, Oriental pickling
<i>Cucumis melo</i>	Cantaloupe
<i>Cucumis melo var. Cantalupensis</i>	
<i>Cucumis pubescens</i>	Cucurbit, wild
<i>Cucumis pubescens</i>	Cucurbit
<i>Cucumis trigonus</i>	
<i>Cucumis sativus</i>	Cucumber
<i>Cucumis trigoni</i>	N/A
<i>Cucumis utlissimus</i>	Melon, long
<i>Cucurbita maxima</i>	Squash
<i>Cucurbita moschata</i>	Pumpkin, Canada
<i>Cucurbita pepo</i>	Pumpkin
<i>Cyphomandra betaceae</i>	Tomato, tree
<i>Solanum betaceum</i>	
<i>Dolichos lablab</i>	Bean, hyacinth
<i>Ficus carica</i>	Fig, common
<i>Ficus chartacea</i>	N/A
<i>Ficus erecta</i>	Ai xiao tian xian guo
<i>Ficus pumila L.</i>	Climbing fig
<i>Fragaria vesca L.</i>	Wild strawberry
<i>Gymnopetalum scabrum</i>	N/A
<i>Hbiscus esculentus</i>	Okra
<i>Hylocereus undatus</i>	Dragon fruit, Pitaya
<i>Juglans hindsii</i>	Hind's black walnut <sup>3</sup>
<i>Lablab purpureus</i>	Lablab bean
<i>Lagenaira sphaerica</i>	Kanonkulpumpa
<i>Lagenaria siceraria</i>	Gourd, white-flowered
<i>Lagenaria spp.</i>	"
<i>Luffa acutangula</i>	Gourd, angled luffa
<i>Luffa aegyptiaca</i>	Gourd, sponge
<i>Luffa spp.</i>	"
<i>Lycopersicon esculentum</i> (pink to red ripe)	Tomato



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<i>Maerua siamensis</i>	N/A
<i>Malus sylvestris</i>	Apple
<i>Mangifera indica</i>	Mango
<i>Manilkara zapota</i>	Sapote
<i>Melothria sphaerocarpa</i>	Dark egusi
<i>Momordica balsamina</i>	Gourd, balsam-apple
<i>Momordica charantia L.</i>	Bitter melon, Balsam apple
<i>Momordica cochinchinensis</i>	Gourd, kakari
<i>Momordica dioica</i>	Gourd, balsam-pear
<i>Momordica foetida</i>	N/A
<i>Momordica spp.</i>	“
<i>Momordica trifoliolata</i>	N/A
<i>Musa x paradisiaca L.</i>	Banana <sup>4</sup>
<i>Pandanus fascicularis</i>	Padang
<i>Passiflora edulis</i>	Passion fruit
<i>Passiflora laurifolia</i>	Water lemon
<i>Persea americana</i>	Avocado <sup>5</sup>
<i>Phaseolus lunatus</i> [ <i>Phaseolus limensis</i> ]	Bean, lima
<i>Phaseolus radiatus</i>	Bean, mung
<i>Phaseolus vulgaris</i>	Bean, string
<i>Phoenix dactylifera</i>	Date palm
<i>Physalis philadelphica</i>	Husk tomato
<i>Prunus persica</i>	Peach
<i>Psidium cattleianum</i>	Guava, cattley
<i>Psidium cattleyanum</i>	Strawberry guava
<i>Psidium guajava</i>	Guava
<i>Pyrus communis</i>	Pear
<i>Sechium edule</i>	Chayote
<i>Sesbania grandiflora</i>	Scarlet wisteria tree <sup>6</sup>
<i>Sicyos pachycarpus</i>	Kupala
<i>Sicyos sp.</i>	Cucumber, bur
<i>Solanum aethiopicum L.</i>	Chinese scarlet eggplant
<i>Solanum anguivi</i>	N/A
<i>Solanum betaceum</i>	Tree tomato
<i>Solanum capsicoides</i>	Cockroach berry
<i>Solanum erianthum</i>	Big eggplant
<i>Solanum linnaeanum</i>	Apple of Sodom
<i>Solanum lycopersicum L.</i>	Tomato, cherry tomato
<i>Solanum macrocarpon L.</i>	African eggplant
<i>Solanum mauritianum</i>	Bugtree



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<i>Solanum melongena</i>	Eggplant
<i>Solanum nigrum L.</i>	Black nightshade
<i>Solanum pseudocapsicum L.</i>	Jerusalem cherry
<i>Solanum sessiliflorum</i>	Orinoco apple
<i>Solanum spp.</i>	Tomato, eggplant, Cockroach berry, Apple of Sodom, bugtree, nightshade, False, Jerusalem Cherry
<i>Solanum trilobatum L.</i>	N/A
<i>Strychnos nux-vomica L.</i>	Nux-vomica tree
<i>Strychnos spinosa</i>	Monkey orange
<i>Syzygium samarangense</i>	Java apple
<i>Telfairia occidentalis</i>	Fluted gourd
<i>Terminalia catappa L.</i>	Tropical almond
<i>Tetrastigma leucostaphylum</i>	N/A
<i>Trichosanthes anguina</i>	Gourd, serpent cucumber
<i>Trichosanthes cucumeroides</i>	Gourd, snake
<i>Trichosanthes dioica</i>	Gourd, pointed
<i>Trichosanthes pilosa</i>	Snake gourd
<i>Trichosanthes spp.</i>	“
<i>Trichosanthes tricuspidata</i>	N/A
<i>Trichosanthes wallichiana</i>	N/A
<i>Trichosanthes wawraie</i>	N/A
<i>Triphasia trifolia</i>	Limeberry
<i>Vigna unguiculata</i>	Cowpea
<i>Vitis trifolia*</i>	Grape <sup>7</sup>
<i>Zehneria mucronata</i>	N/A
<i>Zehneria wallichii</i>	N/A
<i>Ziziphus jujube</i>	Chinese jujube

<sup>1</sup> Nuts are not regulated, the fleshy fruit is the host material

<sup>2</sup> Seeds are not regulated, the fleshy leaf is the host material

<sup>3</sup> Nuts are not regulated, the husk is the host material

<sup>4</sup> Movement of green bananas of cultivars “Williams”, “Valery”, “Grand Nain” and standard and dwarf “Brazilian” without prematurely ripe fingers, fused fingers or exposed flesh may be allowed through the system approach listed in 7 CFR § 318.13-22

<sup>5</sup> Mature, green commercially-produced ‘Sharwil’ avocados are not regulated

<sup>6</sup> Flowers are the host material

<sup>7</sup> Grape, *Vitis trifolia* = Threeleaf cayratia, *Cayratia trifolia*