

Measures approved by the Department’s Chief Plant Biosecurity Officer for Queensland fruit fly hosts for the purpose of the Quarantine Area Notice for Queensland fruit fly Bayswater Outbreak

Pest freedom reinstatement period

Glossary

"Certified" means each consignment to be accompanied by a Plant Health Certificate, a Plant Health Assurance Certificate issued under a quality assurance scheme approved by the Chief Plant Biosecurity Officer (e.g., ICA Scheme, CA-EAZ) or authorised by an Inspector.

"Department" means the Department of Primary Industries and Regional Development.

"fruit" means the fruit of any host or suspect host of Queensland fruit fly listed in Table 1.

"Queensland fruit fly" means *Bactrocera tryoni*.

Treatment (or harvest specific) measures

Each consignment of host fruit must meet one of the following requirements:

1. Harvested and consigned at the specified stage of maturity for the following host products:

Fruit type	Stage of maturity condition
bananas	Mature green
pawpaw and babaco	Mature green and immature green
tahitian lime	Mature green
black sapotes	Mature green
pomegranate	Unbroken skin
jackfruit	Unbroken skin
longan	Unbroken skin
rambutan	Unbroken skin
avocado (Hass, Lamb Hass only)	Hard condition

OR

2. Certified as treated by cold temperature at one of the following rates:

Temperature (± 0.5°C)	Minimum time		
	Grapes	Lemon, cherry, plum, peach, nectarine	Others
0°C	12 days	14 days	14 days (except oranges that is 16 days)
1°C – 3°C	14 days	14 days	16 days

Notes:

- Fruit must reach the treatment temperature before treatment exposure time commences.
- Fruits that have been subjected to cold treatment include kiwifruit, pome fruit, stonefruit, citrus and grapes. Most tropical and some temperate fruits are susceptible to cold injury and may not be suitable for cold treatment.
- Certification assurance procedure ICA 07 Cold treatment is recognised.

OR

3. Certified as treated by fumigation with methyl bromide for 2 hours at one of the following rates:

Rate	Flesh Temperature
40 g/m ³	17°C–20.9°C
32g/m ³	21°C–31.9°C

Note: Certification assurance procedure ICA-04 Fumigating with Methyl Bromide is recognised.

OR

4. Certified as treated by 400mg/L of dimethoate applied by dip or flood spray application (citrus only (excluding all edible skin species)).

Notes:

- Post-harvest use of citrus (excluding all edible skin species) is recognised in APVMA Permit #87164.
- Chemical treatments to be applied in accordance with the label or Australian Pesticides and Veterinary Medicines Authority (APVMA) permit instructions.
- Certification assurance procedure ICA-01 – dipping with dimethoate and ICA-02 flood spray with dimethoate is recognised.

OR

5. Certified as grown and packed in accordance with a certification assurance procedure for an approved systems approach for Queensland fruit fly.

Note:

Certification assurance procedure CA-EAZ, including secondary procedures, is recognised.

Securely transported

Host fruit moved for commercial purposes must be secured for transporting from the Quarantine Area to outside of the Quarantine Area under one of the following conditions:

1. Unvented packages.
2. Vented packages with the vents secured with mesh with a maximum aperture of 1.6 mm.
3. Vented packages enclosing a liner bag or liner sheet that obscure vent holes.
4. Packages, bins or palletised units fully enclosed under plastic wrap, tarpaulins, hessian, mesh or other coverings which provide a maximum aperture of 1.6 mm.
5. Fully enclosed or screened buildings, cold-rooms, vehicles or other facilities free from gaps or other entry points greater than 1.6 mm.

Table 1: Queensland fruit fly hosts and potential suspect hosts

Common Name	Scientific Name
biu	<i>Pouteria caimito</i>
acerola	<i>Malpighia glabra</i>
achachairu	<i>Garcinia humilis</i>
apple	<i>Malus domestica</i>
apricot, cherry, nectarine, peach, peacharine, plum, plumcot	<i>Prunus</i> spp.
avocado	<i>Persea americana</i>
babaco	<i>Carica pentagona</i>
banana	<i>Musa acuminata</i>
black sapote	<i>Diospyros ebenum</i>
blueberry	<i>Vaccinium corymbosum</i>
blackberry, boysenberry, loganberry, youngberry, raspberry	<i>Rubus</i> spp.
Brazil cherry	<i>Eugenia uniflora</i>
breadfruit	<i>Artocarpus altilis</i>
caimito (star apple)	<i>Chrysophyllum cainito</i>
Cape gooseberry	<i>Physalis peruviana</i>
capsicum	<i>Capsicum annuum</i>
carambola	<i>Averrhoa carambola</i>
cashew apple	<i>Anacardium occidentale</i>
casimiroa (white sapote)	<i>Casimiroa edulis</i>
cherimoya, custard apple, soursop, sweetsop	<i>Annona</i> spp.
chilli	<i>Capsicum annuum</i> , <i>C. frutescens</i>
Chinese mulberry*	<i>Cudrania tricuspidata</i>
citron, finger lime, grapefruit, lemon, lime, mandarin, orange, pummelo, tangelo	<i>Citrus</i> spp.
climbing fig*	<i>Ficus pumila</i>
clivia*	<i>Clivia</i> spp.
coffee berry	<i>Coffea</i> spp.
date (fresh)	<i>Phoenix dactylifera</i>
durian	<i>Durio zibethinus</i>
eggplant	<i>Solanum melongena</i>
feijoa	<i>Feijoa sellowiana</i>
fig	<i>Ficus carica</i>
granadilla	<i>Passiflora quadrangularis</i>
grapes	<i>Vitis</i> spp.
grumichama	<i>Eugenia braziliensis</i>
guava	<i>Psidium</i> spp.
hog plum	<i>Spondias mombin</i>
Indian hawthorn*	<i>Rhaphiolepis indica</i>
jaboticaba	<i>Myrciaria cauliflora</i>

Common Name	Scientific Name
jackfruit	<i>Artocarpus heterophyllus</i>
jew plum	<i>Spondias dulcis</i>
kiwifruit	<i>Actinidia deliciosa</i>
kumquat	<i>Fortunella japonica</i>
lilly pilly*	<i>Syzygium smithii</i>
logan	<i>Dimocarpus longan</i>
loofah	<i>Luffa acutangula</i>
loquat	<i>Eriobotrya japonica</i>
lychee	<i>Litchii chinensis</i>
mango	<i>Mangifera indica</i>
mangosteen	<i>Garcinia mangostana</i>
miraclefruit	<i>Synsepalum dulcificum</i>
Moreton fig*	<i>Ficus macrophylla</i>
mulberry	<i>Morus nigra</i>
nashi	<i>Pyrus pyrifolia</i> var. <i>culta</i>
olive	<i>Olea europaea</i>
ornamental pear*	<i>Pyrus calleryana</i>
passionfruit	<i>Passiflora</i> spp.
pawpaw	<i>Carica papaya</i>
pear	<i>Pyrus communis</i>
pepino	<i>Solanum muricatum</i>
persimmon	<i>Diospyros kaki</i>
pomegranate	<i>Punica granatum</i>
prickly pear	<i>Opuntia stricta</i> ; <i>O. ficus-indica</i>
quince	<i>Cydonia oblonga</i>
rambutan	<i>Nephelium lappaceum</i>
rollinia	<i>Rollinia deliciosa</i>
rose apple	<i>Syzygium jambos</i>
santol	<i>Sandoricum indicum</i>
sapodilla	<i>Manilkara zapota</i>
sapote	<i>Casimiroa edulis</i>
strawberry	<i>Fragaria</i> spp.
tamarillo	<i>Solanum bataveum</i>
tomato	<i>Lycopersicon esculentum</i>
wax jambu/ water apple	<i>Syzygium samarangense</i>

*indicates potential suspect host