

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

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](#)) 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.

“**host plant**” means a plant that is a host or suspect host of Queensland fruit fly as listed in Table 1, at the time that the plant is bearing fruit.

“**Queensland fruit fly**” means *Bactrocera tryoni*.

Notification to the Department for Movement

The Department to be notified at least 24 hours prior to the movement of the fruit or host plants grown in the Export Assurance Zone on the online movement notification form here: agric.wa.gov.au/qfly-notification; or by contacting DPIRD (08)9368 3080; or email the form to: bqbirt@dpiird.wa.gov.au

Harvest or treatment measures

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

1. Host fruit to be harvested and consigned at the specified stage of maturity for the following host products:

<u>Fruit type</u>	<u>Stage of maturity condition</u>
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. Host plants have had all fruit removed from the plant prior to movement of the host plant.

OR

3. Each consignment of host fruit must be certified that one of the following treatments have been met:

3.1. Fruit has been treated by cold storage at one of the following rates:

<u>Temperature</u> (± 0.5°C)	<u>Minimum time</u>
0°C	14 days
1°C	16 days (lemons 14 days)
2°C	18 days (lemons 16)
3°C	20 days (lemons 18)

Notes:

- 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 are not suitable for cold treatment.
- Certification under [ICA 07 Cold treatment](#) is recognised.

3.2. Fruit has been treated by fumigation with methyl bromide for 2 hours at one of the following rates:

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

Note: Certification under [ICA-04 Fumigating with Methyl Bromide](#) is recognised.

3.3. Fruit, as specified in APVMA Permit #87164, has been treated by 400mg/L of dimethoate applied by dip or flood spray application.

Notes:

- Certification under ICA-01 – Dipping with dimethoate and ICA-02 flood spray with dimethoate is recognised
- APVMA Permit #87164 lists commodities of citrus (excluding all edible skin species) and tropical and subtropical fruits with inedible peel and uses covered by the permit.
- Chemical treatments to be applied in accordance with the label or Australian Pesticides and Veterinary Medicines Authority (APVMA) permit instructions.

Securely packaged, stored and transported

Fruit and host plants must be secured against fruit fly by packing, storing and transporting, as applicable, 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 annum</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 annum</i> <i>Capsicum frutescens</i>
Chinese mulberry*	<i>Cudrania tricuspidata</i>

Common Name	Scientific Name
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>
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 bataceum</i>
tomato	<i>Lycopersicon esculentum</i>
wax jambu/ water apple	<i>Syzygium samarangense</i>

*indicates potential suspect host