

UK pest status report for *Bactrocera tryoni*

Field	Detail
Pest species name	<i>Bactrocera tryoni</i> (Froggatt, 1897)
Pest taxon (order, family)	Insecta: Diptera: Tephritidae: Dacinae
Synonyms	<p><i>Chaetodacus tryoni</i>: (Froggatt, 1897)</p> <p><i>Chaetodacus tryoni</i> var. <i>juglandis</i>: Tryon, 1927</p> <p><i>Chaetodacus tryoni</i> var. <i>sarcocephali</i>: Tryon, 1927</p> <p><i>Dacus ferrugineus tryoni</i>: (Froggatt)</p> <p><i>Dacus tryoni</i>: (Froggatt, 1897)</p> <p><i>Strumeta tryoni</i>: (Froggatt, 1897)</p> <p><i>Tephritis tryoni</i>: Froggatt, 1897</p>
Pest common name	Queensland fruit fly
Regulatory status	<p>Great Britain: Regulated quarantine pest</p> <p>Northern Ireland: Regulated quarantine pest</p>
Pest status in UK (as per ISPM 8¹)	Absent: pest not recorded
Global distribution	Oceania: Australia, French Polynesia, New Caledonia, Pitcairn
Main hosts	<p><i>Malus</i> (ornamental species apple), <i>Pyrus</i> (pears), <i>Malus domestica</i> (apple), <i>Cydonia oblonga</i> (quince), <i>Prunus armeniaca</i> (apricot), <i>Coffea arabica</i> (coffee), <i>Eremocitrus glauca</i> (australian desert lime), <i>Persea americana</i> (avocado), <i>Morus nigra</i> (black mulberry), <i>Rubus fruticosus</i> (blackberry), <i>Rubus ursinus</i> (california berry), <i>Physalis peruviana</i> (cape gooseberry),</p>

	<p><i>Averrhoa carambola</i> (carambola), <i>Anacardium occidentale</i> (cashew), <i>Citrus medica</i> (citron), <i>Ficus racemosa</i> (cluster fig), <i>Ficus carica</i> (fig), <i>Psidium guajava</i> (guava), <i>Annona reticulata</i> (custard apple), <i>Phoenix dactylifera</i> (date palm), <i>Musa acuminata</i> (wild banana), <i>Juglans regia</i> (walnut), <i>Vitis labrusca</i> (fox grape), <i>Passiflora quadrangularis</i> (giant granadilla), <i>Citrus x paradisi</i> (grapefruit), <i>Opuntia ficus-indica</i> (indian fig prickly pear), <i>Ziziphus mauritiana</i> (jujuba), <i>Flacourtia jangomas</i> (indian plum), <i>Spondias cytherea</i> (jew plum), <i>Solanum laciniatum</i> (kangaroo apple), <i>Dovyalis caffra</i> (kei apple), <i>Citrus limon</i> (lemon), <i>Eriobotrya japonica</i> (loquat), <i>Citrus reticulata</i> (mandarin), <i>Mangifera indica</i> (mango), <i>Prunus cerasifera</i> (myrobalan plum), <i>Olea europaea</i> (olive), <i>Carica papaya</i> (pawpaw), <i>Prunus persica</i> (peach), <i>Pyrus communis</i> (pear), <i>Diospyros kaki</i> (persimmon), <i>Prunus domestica</i> (plum), <i>Punica granatum</i> (pomegranate), <i>Citrus grandis</i> (pummelo), <i>Passiflora edulis</i> (passionfruit), <i>Cydonia oblonga</i> (quince), <i>Syzygium jambos</i> (rose apple), <i>Fortunella japonica</i> (round kumquat), <i>Mimusops elengi</i> (spanish cherry), <i>Psidium littorale</i> (strawberry guava), <i>Annona squamosa</i> (sweetsop), <i>Eugenia uniflora</i> (surinam cherry), <i>Prunus avium</i> (cherry), <i>Citrus sinensis</i> (orange (sweet)), <i>Capsicum frutescens</i> (chilli), <i>Lycopersicon esculentum</i> (tomato), <i>Terminalia catappa</i> (tropical almond), <i>Syzygium aqueum</i> (watery rose-apple), <i>Ficus benjamina</i> (weeping fig), <i>Morus alba</i> (mulberry), <i>Casimiroa edulis</i> (white sapote), <i>Vitis vinifera</i> (grapevine), <i>Cananga odorata</i> (ylang-ylang).</p>
<p>Likelihood for establishment in UK</p>	<p>Unlikely, but wide host range including orchard crops, and have been outbreaks in areas with not dissimilar climates</p>
<p>Website(s)</p>	<p>https://www.planthealthaustralia.com.au/wp-content/uploads/2012/12/Australian-Handbook-for-the-Identification-of-Fruit-Flies-Chapter-7.1-7.3.34-Diagnostic-information.pdf</p> <p>https://www.doc-developpement-durable.org/file/Culture/Arbres-Fruitiers/FICHES_ARBRES/agrumes/maladies/Queensland%20fruit%20fly,%20Bactrocera%20tryoni.pdf</p> <p>https://www.cabidigitallibrary.org/doi/10.1079/cabicompendum.17693#sec-8</p> <p>https://entnemdept.ufl.edu/creatures/fruit/tropical/queensland_fruit_fly.htm</p>

References

White IM, Elson-Harris MM. 1994. Fruit flies of economic significance: Their identification and bionomics. CAB International. Oxon, UK. 601 pp.

¹ International Standard for Phytosanitary Measures (ISPM) 8 Determination of pest status in an area: <https://www.fao.org/3/x2968e/x2968e.pdf>