

UK pest status report for *Bactrocera dorsalis*

Field	Detail
Pest species name	<i>Bactrocera dorsalis</i> (Hendel, 1915)
Pest taxon (order, family)	Insecta: Diptera: Tephritidae: Dacinae
Synonyms	<p><i>Dacus dorsalis</i>: Hendel, 1912</p> <p><i>Dacus (Strumeta) dorsalis</i>: Hendel, 1912</p> <p><i>Dacus (Bactrocera) dorsalis</i>: Hendel, 1912</p> <p><i>Bactrocera invadens</i>: Drew <i>et al.</i>, 2005</p> <p><i>Bactrocera philippinensis</i>: Drew and Hancock, 1994</p> <p><i>Bactrocera papayae</i>: Drew and Hancock, 1994</p>
Pest common name	Oriental fruit fly
Regulatory status	<p>Great Britain: Not regulated</p> <p>Northern Ireland: Regulated quarantine pest</p>
Pest status in UK (as per ISPM 8¹)	Absent: pest not recorded
Global distribution	<p>Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo, Congo (Dem. Rep.), Cote d'Ivoire, Equatorial Guinea, Eritrea, Eswatini, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Mozambique, Namibia, Niger, Nigeria, Reunion, Rwanda, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe</p> <p>Asia: Bangladesh, Bhutan, Brunei Darussalam, Cambodia, China, Christmas Island, East Timor, India, Indonesia, Laos, Malaysia, Myanmar,</p>

	<p>Nepal, Oman, Pakistan, Philippines, Singapore, Sri Lanka, Taiwan, Thailand, United Arab Emirates, Vietnam</p> <p>Europe: France (Transient, isolated finding in traps near points of entry, not linked to an outbreak); Italy (Transient, actionable, under surveillance)</p> <p>North America: United States (California, Present: not widely distributed and under official control; Hawaii, Present: widespread)</p> <p>Oceania: Australia (Transient), French Polynesia, Palau, Papua New Guinea</p>
Main hosts	<p>Highly polyphagous, attacks over 270 plant species in over 50 families of commercial fruits and wild fruits.</p> <p>Major hosts: <i>Annona</i> spp., <i>Capsicum annuum</i> (pepper), <i>Carica papaya</i> (papaya), <i>Citrus</i> spp. (various), <i>Eriobotrya japonica</i> (loquat), <i>Ficus carica</i> (common fig), <i>Malus domestica</i> (apple), <i>Mangifera indica</i> (mango), <i>Musa</i> spp. (banana), <i>Passiflora edulis</i> (passionfruit), <i>Persea americana</i> (avocado), <i>Phaseolus vulgaris</i> (common bean), <i>Pouteria campechiana</i> (canistel), <i>Prunus armeniaca</i> (apricot), <i>Prunus persica</i> (peach), <i>Psidium guajava</i> (guava), <i>Pyrus communis</i> (pear), <i>Solanum lycopersicum</i> (tomato), <i>Syzygium jambos</i> (rose apple), <i>Syzygium malaccense</i> (Malay apple), <i>Ziziphus mauritiana</i> (jujube)</p>
Likelihood for establishment in UK	Tropical fruit fly unlikely to establish in UK.
Website(s)	<p>https://gd.eppo.int/taxon/DACUDO</p> <p>https://www.cabidigitallibrary.org/doi/10.1079/cabicompndium.17685</p> <p>https://entnemdept.ufl.edu/creatures/fruit/tropical/oriental_fruit_fly.htm</p>

References

- Allwood AJ, Chinajariyawong A, Kritsaneepaiboon S, Drew RAI, Hamacek EL, Hancock DL, Hengsawad C, Jipanin JC, Jirasurat M, Krong CK, Leong CTS, Vijaysegaran S, 1999. Host plant records for fruit flies (Diptera: Tephritidae) in Southeast Asia. Raffles Bulletin of Zoology, 47(Supplement 7):1-92; 26 ref.
- Drew, R.A.I. & Romig, M.C. 2013. *Tropical fruit flies* (Tephritidae: Dacinae) of South-East Asia: Indomalaya to North-West Australia. CAB International, Wallingford
- 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>