

UK pest status report for *Ceratitis cosyra*

Field	Detail
Pest species name	<i>Ceratitis cosyra</i> (Walker, 1849)
Pest taxon (order, family)	Insecta: Diptera: Tephritidae: Dacinae
Synonyms	<i>Trypeta cosyra</i> : Walker, 1849 <i>Pardalaspis cosyra</i> : (Walker, 1849) <i>Pardalaspis parinarii</i> : Hering, 1935
Pest common name	Mango fruit fly
Regulatory status	Great Britain: Not regulated Northern Ireland: Regulated quarantine pest
Pest status in UK (as per ISPM 8¹)	Absent: pest not recorded
Global distribution	Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Congo (Dem. Rep.), Cote d'Ivoire, Ethiopia, Gambia, Ghana, Guinea, Kenya, Madagascar, Malawi, Mali, Mozambique, Namibia, Nigeria, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe
Main hosts	Major hosts: <i>Mangifera indica</i> (mango) and <i>Sclerocarya birrea</i> (marula) Other hosts: <i>Anacardium occidentale</i> (cashew), <i>Annona cherimola</i> (cherimola), <i>Annona muricata</i> (soursop), <i>Annona reticulata</i> (custard apple), <i>Eugenia uniflora</i> (Surinam cherry), <i>Citrus sinensis</i> (sweet orange), <i>Persea americana</i> (avocado), <i>Psidium guajava</i> (guava), <i>Rollinia mucosa</i> (wild sweetsop), <i>Saba senegalensis</i> (saba nut), <i>Sarcocephalus exculentus</i> (African peach), <i>Spondias mombin</i> (tropical plum), <i>Terminalia catappa</i> (tropical almond), <i>Vitellaria paradoxa</i> (shea butter)

Likelihood for establishment in UK	Tropical fruit fly unlikely to establish in UK.
Website(s)	http://projects.bebif.be/fruitfly/index.html https://fruitflykeys.africamuseum.be/en/pdf_keys.html https://gd.eppo.int/taxon/CERTCO

References

Virgilio, M., Manrakhan, A., Delatte, H., Daneel, J. H., Mwatawala, M. W., Meganck, K., Barr, N. B., Meyer, M. de, 2017. The complex case of *Ceratitis cosyra* (Diptera: Tephritidae) and relatives. a DNA barcoding perspective. *Journal of Applied Entomology*, 141(10) 788-797. [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1439-0418](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1439-0418)

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>