

UK pest status report for *Ceratitis rosa*

Field	Detail
Pest species name	<i>Ceratitis rosa</i> Karsh, 1887
Pest taxon (order, family)	Insecta: Diptera: Tephritidae: Dacinae
Synonyms	<i>Pterandrus flavotibialis</i> : Hering, 1935 <i>Pterandrus rosa</i> var. <i>fasciventris</i> : Bezzi, 1920
Pest common name	Natal 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: Burkina Faso, Kenya, Malawi, Mozambique, South Africa, Tanzania
Main hosts	Host records attribute to <i>C.rosa</i> prior to 2016 are considered invalid, as they may correspond to either <i>C. quilicii</i> or <i>C. fasciventris</i> Major hosts: <i>Citrus reticulata</i> (mandarin) and <i>Citrus sinensis</i> (sweet orange). Other cultivated hosts: <i>Anacardium occidentale</i> (cashew), <i>Annona cherimola</i> (cherimola), <i>Annona muricata</i> (soursop), <i>Annona reticulata</i> (custard apple), <i>Annona squamosa</i> (sweetsop), <i>Averrhoa carambola</i> (starfruit), <i>Cananga odorata</i> (ylang-ylang), <i>Carica papaya</i> (pawpaw), <i>Chrysophyllum caimito</i> (star-apple), <i>Citrus limon</i> (lemon), <i>Citrus x paradisi</i> (grapefruit), <i>Coffea arabica</i> (coffee), <i>Cucurbita</i> spp. (pumpkin), <i>Cydonia oblonga</i> (quince), <i>Diospyros kaki</i> (japanese persimmon) <i>Eriobotrya japonica</i> (loquat), <i>Ficus carica</i> (fig), <i>Garcinia mangostana</i> (mangosteen), <i>Hylocereus undatus</i> (dragonfruit), <i>Litchi chinensis</i> (lychee), <i>Malus domestica</i> (apple),

	<i>Malus</i> spp. (ornamental species), <i>Mangifera indica</i> (mango), <i>Opuntia ficus-indica</i> (indian fig prickly pear), <i>Persea americana</i> (avocado), <i>Prunus armeniaca</i> (apricot), <i>Prunus domestica</i> (plum), <i>Prunus persica</i> (peach), <i>Psidium guajava</i> (guava), <i>Solanum lycopersicum</i> (tomato), <i>Terminalia catappa</i> (tropical almond)
Likelihood for establishment in UK	Tropical fruit fly unlikely to establish in the UK.
Website(s)	http://projects.bebif.be/fruitfly/index.html https://fruitflykeys.africamuseum.be/en/pdf_keys.html https://gd.eppo.int/taxon/CERTRO

References

De Meyer, M., M. Mwatawala, R.S. Copeland & M. Virgilio. 2016. Description of new *Ceratitis* species (Diptera : Tephritidae) from Africa, or how morphological and DNA data are complementary in discovering unknown species and matching sexes. *European Journal of Taxonomy* 233: 1-23

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>