

UK pest status report for *Trialeurodes abutiloneus*

Field	Detail
Pest species name	<i>Trialeurodes abutiloneus</i> (Haldeman, 1850)
Pest taxon (order, family)	Insecta: Hemiptera: Aleyrodidae
Synonyms	<i>Aleurodes abutilonea</i> Halderman, 1850; <i>Aleurodes erigorontis</i> Maskell, 1895; <i>Aleurodes fitchi</i> Quaintance, 1900; <i>Aleurodes rolfsiii</i> Quaintance, 1899; <i>Aleyrodes bifaciata</i> Stephens, 1829
Pest common name	Banded-winged whitefly
Regulatory status	Great Britain: Provisional quarantine pest Northern Ireland: Not regulated
Pest status in UK (as per ISPM 8¹)	Absent: pest not recorded Five separate interceptions between 2005-2010 and all associated with plants imported from the USA.
Global distribution	North America: United States of America; Puerto Rico. Caribbean: Cuba; Dominican Republic; Jamaica; Mexico; Trinidad and Tobago
Main hosts	<i>Brassica</i> ; <i>Capsicum annuum</i> ; <i>Capsicum frutescens</i> ; <i>Cucumis sativus</i> ; <i>Cucurbita pepo</i> ; <i>Euphorbia pulcherrima</i> ; <i>Geranium</i> ; <i>Glycine max</i> ; <i>Gossypium</i> ; <i>Helianthus annuus</i> ; <i>Hibiscus</i> ; <i>Lactuca sativa</i> ; <i>Solanum lycopersicum</i> ; <i>Manihot esculenta</i> ; <i>Pelargonium</i> ; <i>Petunia</i> ; <i>Phaseolus vulgaris</i> ; <i>Pluchea symphytifolia</i> ; <i>Rubus</i> ; <i>Solanum tuberosum</i> ; <i>Taraxacum</i> .
Likelihood for establishment in UK	Likely, but only in protected cultivation, i.e. under glass. Unlikely to establish outdoors.
Website(s)	https://gd.eppo.int/taxon/TRIAAB/hosts https://www.cabidigitallibrary.org/doi/10.1079/cabicompendium.54656

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32021R2285>

<https://www.legislation.gov.uk/ukdsi/2020/9780348213706/schedule/1>

<https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?cslref=7473>

References

Korycinska *et al.*, 2014. UK Rapid PRA for *Trialeurodes abutiloneus*.
<https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/downloadExternalPra.cfm?id=3838> (accessed 8 Dec 2022)

Mound, L. A. & Halsey, S.H. (1978) Whitefly of the World: a systematic catalogue of the Aleyrodidae (Homoptera) with host plant and natural enemy data. British Museum (Natural History). 340pp. ISBN: 9780471996347 DOI: <https://doi.org/10.5962/bhl.title.118687>

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