

UK pest status report for *Xanthomonas citri* pv. *citri*

Field	Detail
Pest species name	<i>Xanthomonas citri</i> pv. <i>citri</i> (Hasse) Constantin <i>et al.</i> , 2016 ¹
Pest taxon (order, family)	Lysobacterales, Lysobacteraceae
Synonyms	<i>Xanthomonas axonopodis</i> pv. <i>citri</i> (Hasse) Vauterin, Hoste, Kersters & Swings, 1995 <i>Xanthomonas campestris</i> pv. <i>citri</i> (Hasse) Dye, 1978 <i>Xanthomonas citri</i> subsp. <i>citri</i> (ex Hasse) Gabriel, Kingsley, Hunter & Gottwald, 1989
Pest common name	Bacterial canker of citrus Citrus canker
Regulatory status	Great Britain: Not regulated Northern Ireland: Regulated quarantine pest
Pest status in UK (as per ISPM 8²)	Absent: pest not recorded
Global distribution	<u>Africa</u> : Burkina Faso, Comoros, Democratic Republic of the Congo, Cote d'Ivoire, Ethiopia, Gabon, Madagascar, Mali, Mauritius, Mayotte, Reunion, Senegal, Seychelles, Somalia, Sudan, Tanzania <u>America</u> : Argentina, Bolivia, Brazil, Curaçao, Martinique (transient), Mexico (transient), Paraguay, United States of America, Uruguay, British Virgin Islands <u>Asia</u> : Afghanistan, Bangladesh, Cambodia, China, Christmas Island, Cocos Islands, East Timor, India, Indonesia, Iran, Iraq, Japan, Democratic People's Republic of Korea, Republic of Korea, Laos, Malaysia, Maldives, Myanmar, Nepal, Oman, Pakistan, Philippines, Saudi Arabia, Singapore, Sri Lanka, Taiwan, Thailand, United Arab Emirates, Vietnam, Yemen <u>Oceania</u> : Fiji, Guam, Marshall Islands, Micronesia, Northern Mariana Islands, Palau, Papua New Guinea, Solomon Islands

Main hosts	<i>Citrus aurantiifolia</i> , <i>Citrus paradisi</i> , <i>Citrus trifoliata</i> are considered the major hosts; <i>Atalantia buxifolia</i> , <i>Casimiroa edulis</i> , <i>Citropsis daweana</i> , <i>Citrus aurantium</i> , <i>Citrus australasica</i> , <i>Citrus depressa</i> , <i>Citrus glauca</i> , <i>Citrus hystrix</i> , <i>Citrus inodora</i> , <i>Citrus junos</i> , <i>Citrus latifolia</i> , <i>Citrus limettioides</i> , <i>Citrus limon</i> , <i>Citrus macrophylla</i> , <i>Citrus maxima</i> , <i>Citrus medica</i> , <i>Citrus reticulata</i> , <i>Citrus sinensis</i> , <i>Citrus unshiu</i> , <i>Citrus x tangelo</i> , <i>Clausena harmandiana</i> , <i>Fortunella</i> , <i>Naringi crenulate</i> , <i>Swinglea glutinosa</i> , <i>x Citrofortunella microcarpa</i> , <i>Zanthoxylum asiaticum</i> are also hosts.
Likelihood for establishment in UK	Hosts not widely grown in the UK, considered to be of little or no phytosanitary risk.
Website(s)	https://gd.eppo.int/taxon/XANTCI https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?csref=11122 https://www.cabi.org/cpc/datasheet/56921#REF-DDB-138257

References

Constantin, E. C., Cleenwerck, I., Maes, M., Baeyen, S., Van Malderghem, C., De Vos, P. and Cottyn, B. (2016) Genetic characterization of strains named as *Xanthomonas axonopodis* pv. *dieffenbachiae* leads to a taxonomic revision of the *X. axonopodis* species complex. *Plant Pathology* 65, 792–806. Doi: 10.1111/ppa.12461

Davis, R.I. et al. (2015) First record of citrus canker, caused by *Xanthomonas citri* subsp. *citri* in Solomon Islands. *Australian Plant Disease Notes* 10 (9).
<https://link.springer.com/article/10.1007/s13314-014-0156-8>

¹ The validly published name is *Xanthomonas citri* subsp. *citri* ((Gabriel et al. 1989) Schaad et al. 2007), but the name used here is the one that is most commonly used after publication in the 'Notification of changes in taxonomic opinion previously published outside the IJSEM' list (see ref).

² International Standard for Phytosanitary Measures (ISPM) 8 Determination of pest status in an area: <https://www.fao.org/3/x2968e/x2968e.pdf>