

UK pest status report for *Ralstonia solanacearum*

Field	Detail
Pest species name	<i>Ralstonia solanacearum</i> (Smith) Yabuuchi <i>et al.</i> emend. Safni <i>et al.</i> 2014
Pest taxon (order, family)	Burkholderiales, Burkholderiaceae
Synonyms	<i>Ralstonia solanacearum</i> Phylotype II Prior & Fegan 2005
Pest common name	Brown rot of potato Moko disease of banana Bacterial wilt of potato
Regulatory status	Great Britain: Regulated quarantine pest Northern Ireland: Regulated quarantine pest
Pest status in UK (as per ISPM 8¹)	Present: not widely distributed and under official control
Global distribution	<p><u>Africa</u>: Burkina Faso, Burundi, Cameroon, Cote d'Ivoire, Egypt, Ethiopia, Guinea, Kenya, Libya, Madagascar, Malawi, Mauritius, Niger, Nigeria, Reunion, Rwanda, South Africa, Tanzania, Uganda, Zambia</p> <p><u>America</u>: Argentina, Bolivia, Brazil, Belize, Chile, Colombia, Costa Rica, Cuba, Ecuador, El Salvador, French Guiana, Grenada, Guatemala, Guadeloupe, Guyana, Honduras, Jamaica, Martinique, Mexico, Nicaragua, Panama, Paraguay, Peru, St Vincent and the Grenadines, Suriname, Trinidad and Tobago, United States of America, Uruguay, Venezuela</p> <p><u>Asia</u>: China, Georgia, India, Iran, Japan, Malaysia, Myanmar, Nepal, Pakistan, Philippines, South Korea, Sri Lanka, Taiwan, Thailand, Turkey</p> <p><u>Europe</u>: Belgium, Bulgaria, Czech Republic, France, Germany, Greece, Hungary, Italy, Netherlands, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Spain, Ukraine, United Kingdom (present restricted distribution)</p> <p><u>Oceania</u>: Australia, New Caledonia, New Zealand, Papua New Guinea</p>

Main hosts	<i>Annona cherimola</i> , <i>Arachis hypogaea</i> , <i>Casuarina cunninghamiana</i> , <i>Casuarina equisetifolia</i> , <i>Casuarina glauca</i> , <i>Capsicum annuum</i> , <i>Heliconia</i> , <i>Musa</i> sp., <i>Musa x paradisiaca</i> , <i>Nicotiana tabacum</i> , <i>Solanum lycopersicum</i> , <i>Solanum melongena</i> , <i>Solanum tuberosum</i> , <i>Tectona grandis</i> , <i>Zingiber officinale</i>
Likelihood for establishment in UK	Already present in some water courses. High likelihood for establishment.
Website(s)	https://gd.eppo.int/taxon/RALSSL https://www.cabidigitallibrary.org/doi/10.1079/cabicompendium.45009#abstract https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?csref=11066

References

Prior P, Fegan M. 2005 Recent development in the phylogeny and classification of *Ralstonia solanacearum* In: Momol T, Jones JB (eds) Proceedings of the First International Symposium on tomato diseases ISHS-Acta Horticulturae; 127–136.

Safni I, Cleenwerck I, De Vos P, Fegan M, Sly L, Kappler U 2014 Polyphasic taxonomic revision of the *Ralstonia solanacearum* species complex: proposal to amend the descriptions of *Ralstonia solanacearum* and *Ralstonia syzygii* and reclassify current *R. syzygii* strains as *Ralstonia syzygii* subsp. *syzygii* subsp. nov., *R. solanacearum* phylotype IV strains as *Ralstonia syzygii* subsp. *indonesiensis* subsp. nov., banana blood disease bacterium strains as *Ralstonia syzygii* subsp. *celebesensis* subsp. nov. and *R. solanacearum* phylotype I and III strains as *Ralstonia pseudosolanacearum* sp. nov. *International Journal of Systematic and Evolutionary Microbiology* **64**, 3087–3103. <https://doi.org/10.1099/ijs.0.066712-0>

Yabuuchi E, Kosako Y, Yano I, Hotta H, Nishiuchi Y (1995) Transfer of two *Burkholderia* and an *Alcaligenes* species to *Ralstonia* gen. nov.: Proposal of *Ralstonia pickettii* (Ralston, Palleroni and Douderoff 1973) comb. nov., *Ralstonia solanacearum* (Smith 1896) comb. nov. and *Ralstonia eutropha* (Davis 1969) comb. nov. *Microbiology and Immunology* **39**(11), 897-904.

¹ [International Standard for Phytosanitary Measures \(ISPM\) 8 Determination of pest status in an area](#)