

UK pest status report for '*Candidatus Phytoplasma hispanicum*'

Field	Detail
Pest species name	' <i>Candidatus Phytoplasma hispanicum</i> ' Davis, Harrison, Zhao, Wei & Dally
Pest taxon (order, family)	Acholeplasmatales, Acholeplasmataceae
Synonyms	Mexican periwinkle virescence phytoplasma <i>Phytoplasma hispanicum</i> Davis, Harrison, Zhao, Wei & Dally
Pest common name	None
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	<u>North America</u> : Canada, USA, Mexico <u>South America</u> : Argentina, Bolivia, Brazil, Chile <u>Oceania</u> : New Caledonia <u>Asia</u> : Japan
Main hosts	<i>Brassica oleracea</i> L., <i>Carica papaya</i> L., <i>Catharanthus roseus</i> (L.) G.Don., <i>Celosia argentea</i> L., <i>Fragaria</i> L., <i>Ipomoea batatas</i> (L.) Poir./Lam., <i>Opuntia ficus-indica</i> (L.) Mill., <i>Solanum tuberosum</i> L.
Likelihood for establishment in UK	Very likely. The host <i>Fragaria</i> is grown under protection in the UK, however impacts have been recorded in countries with some climatic overlap with that of the UK, therefore establishment outdoors could also be possible.

Website(s)	https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?cslref=11047 https://www.microbiologyresearch.org/content/journal/ijsem/10.1099/ijsem.0.001218 https://efsa.onlinelibrary.wiley.com/doi/pdf/10.2903/j.efsa.2020.5929
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References:

Davis, R., Harrison, N., Yan Zhao, Wei Wei, Dally ,E.,. 2016. Candidatus Phytoplasma hispanicum', a novel taxon associated with Mexican periwinkle virescence disease of Catharanthus roseus. International Journal of Systematic and Evolutionary Microbiology Vol 66, Issue 9. <https://doi.org/10.1099/ijsem.0.001218>

Harrison, N. A., Boa, E. & Carpio, M. L. (2003). Characterization of phytoplasmas detected in Chinaberry trees with symptoms of leaf yellowing and decline in Bolivia. Plant Pathol 52, 147–157.

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