

## UK pest status report for '*Candidatus Phytoplasma solani*'

Field	Detail
<b>Pest species name</b>	' <i>Candidatus Phytoplasma solani</i> ' Quaglino, Zhao, Casati, Bulgari, Bianco, Wei & Davis
<b>Pest taxon (order, family)</b>	Acholeplasmatales, Acholeplasmataceae
<b>Synonyms</b>	Grapevine bois noir phytoplasma Maize redness phytoplasma <i>Phytoplasma solani</i> Quaglino, Zhao, Casati, Bulgari, Bianco, Wei & Davis Potato stolbur phytoplasma Stolbur phytoplasma
<b>Pest common name</b>	Black wood of grapevine, Maize redness, Metabolbur, Parastolbur, STOL, Stolbur of potato, Stolbur of tobacco, Stolbur of tomato
<b>Regulatory status</b>	Great Britain: Regulated quarantine pest Northern Ireland: Regulated non quarantine pest
<b>Pest status in UK (as per ISPM 8<sup>1</sup>)</b>	Absent: pest eradicated Found for first time in 2014 on strawberry plants. Eradication measures taken and outbreak declared successfully eradicated in 2017.
<b>Global distribution</b>	<u>Africa</u> : Niger <u>Asia</u> : China, India, Iran, Israel, Japan, Jordan, Kyrgyzstan, Lebanon, Saudi Arabia, Taiwan, Tajikistan, Uzbekistan <u>Europe</u> : Albania, Armenia, Austria, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Croatia, Czechia, France, Georgia, Germany, Greece, Hungary, Italy, Italy (Sicily), Moldova, Montenegro, North Macedonia, Poland, Russia, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine <u>South America</u> : Chile

<b>Main hosts</b>	<i>Lavandula angustifolia</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Vitis vinifera</i> , <i>Zea mays</i> and many other listed by EPPO
<b>Likelihood for establishment in UK</b>	Moderately likely. Phytoplasma which potentially affects a wide host range, but range is determined by the feeding behaviour of vectors.
<b>Website(s)</b>	<a href="https://gd.eppo.int/taxon/PHYPSO">https://gd.eppo.int/taxon/PHYPSO</a> <a href="https://gd.eppo.int/taxon/PHYPSO/distribution/GB">https://gd.eppo.int/taxon/PHYPSO/distribution/GB</a> <a href="https://gd.eppo.int/taxon/PHYPSO/hosts">https://gd.eppo.int/taxon/PHYPSO/hosts</a>

## References

Hodgetts J, Flint LJ, Daly M, Harju VA, Skelton AL, Fox A (2015) Identification of 'Candidatus Phytoplasma solani' (16Sr XII-A) infecting strawberry plants in the United Kingdom. *New Disease Reports* 31, 5.[<http://dx.doi.org/10.5197/j.2044-0588.2015.031.005>]

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