

## UK pest status report for '*Candidatus Phytoplasma aurantifolia*'-related strains of *Solanum tuberosum* L. and other tuber-forming *Solanum* spp.

Field	Detail
<b>Pest species name</b>	' <i>Candidatus Phytoplasma aurantifolia</i> '-related strains of <i>Solanum tuberosum</i> L. and other tuber-forming <i>Solanum</i> spp.
<b>Pest taxon (order, family)</b>	Acholeplasmatales, Acholeplasmataceae
<b>Synonyms</b>	
<b>Pest common name</b>	GD32 St_JO_10, 14, 17 PPT-SA Rus-343F PPT-GTO29 PPT-GTO30 PPT-SINTV Potato Huayao Survey 2 Potato hair sprouts
<b>Regulatory status</b>	Great Britain: Regulated quarantine pest (as potato viruses, viroids and phytoplasmas such as:)  Northern Ireland: Regulated quarantine pest
<b>Pest status in UK (as per ISPM 8<sup>1</sup>)</b>	Present not widely distributed, and under official control  There is a reference (Reeder <i>et al.</i> , 2010) which reports a finding of <i>Ca. Phytoplasma aurantifolia</i> in <i>Reynoutria japonica</i> (syn. <i>Fallopia japonica</i> , (Japanese knotweed), an invasive weed, in the UK. The match shows a similarity to the strain GD32. There are no reports in any other host, including potato.
<b>Global distribution</b>	<u>Africa</u> : Burkina Faso, Egypt, Ethiopia, Malawi, Mozambique, South Africa, Sudan, Tanzania, Uganda  <u>Asia</u> : Bangladesh, China, India, Indonesia, Iran, Iraq, Israel, Japan, Jordan, Korea, Lebanon, Malaysia, Myanmar, Oman, Pakistan, Philippines, Saudi Arabia, Taiwan, Turkey

	<p><u>Europe</u>: Greece, Italy, Portugal, Russia (European), Serbia, UK</p> <p><u>North America</u>: Mexico, USA</p> <p><u>South America</u>: Brazil, Cuba, Peru</p> <p><u>Oceania</u>: Australia, Micronesia, New Caledonia, Niue, Palau, Papua New Guinea, Solomon Islands, Tonga, Vanuatu, Wallis and Futuna Islands.</p>
<b>Main hosts</b>	<i>Solanum tuberosum</i> L.
<b>Likelihood for establishment in UK</b>	Moderately likely, based on current distribution.
<b>Website(s)</b>	<a href="https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/">https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/</a>

## References

EFSA (2020) Pest categorisation of the non-EU phytoplasmas of tuber-forming *Solanum* spp. EFSA Journal 18(12): 6356.

<https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/j.efsa.2020.6356>

Reeder, R., Kelly, P. L. and Arocha, Y. 2010. First identification of 'Candidatus Phytoplasma aurantifolia' infecting *Fallopia japonica* in the United Kingdom. *Plant Pathology*. 59 (2), p. 396. <https://doi.org/10.1111/j.1365-3059.2009.02168.x>

<sup>1</sup> International Standard for Phytosanitary Measures (ISPM) 8 Determination of pest status in an area