

UK pest status report for Tomato yellow vein streak begomovirus

Field	Detail
Pest species name	<i>Tomato yellow vein streak begomovirus</i>
Pest taxon (order, family)	<i>Geplafuvirales, Geminiviridae</i>
Synonyms	Tomato yellow vein streak, ToYVSV, Tomato yellow vein streak begomovirus
Pest common name	deforming mosaic of potato
Regulatory status	Great Britain: Regulated quarantine pest (as Begomoviruses) Northern Ireland: Regulated quarantine pest
Pest status in UK (as per ISPM 8¹)	Absent, pest not recorded
Global distribution	South America: Brazil and Uruguay
Main hosts	<i>Solanum lycopersicum</i> ,
Likelihood for establishment in UK	Likely. Main host (tomato) is widely grown commercially in glasshouses in the UK. Virus vector: <i>Bemisia tabaci</i> (<u>tobacco whitefly</u>) is present in Europe but absent (pest eradicated) in UK. Could be spread by introduction of young seedlings to a glasshouse if the virus and vector were both present however plants of main hosts prohibited from area of origin.
Website(s)	https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?cslref=27346 https://gd.eppo.int/taxon/PCFVD0/distribution https://ictv.global/taxonomy/taxondetails?taxnode_id=202104526

References:

Cuthbertson AG, Vänninen I. The Importance of Maintaining Protected Zone Status against *Bemisia tabaci*. *Insects*. 2015 May 11;6(2):432-41. doi: 10.3390/insects6020432. PMID: 26463194; PMCID: PMC4553489.

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