

UK pest status report for Chilli leaf curl virus

Field	Detail
Pest species name	<i>Chilli leaf curl virus</i>
Pest taxon (order, family)	<i>Geplafuvirales, Geminiviridae</i>
Synonyms	ChiLCV, Chilli leaf curl begomovirus
Pest common name	N/A
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	Asia: India, Oman, Pakistan
Main hosts	<i>Capsicum annuum</i> L. <i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai <i>Solanum lycopersicum</i> L. <i>Nicotiana tabacum</i> L.
Likelihood for establishment in UK	Low- only possible in a glasshouse/ covered scenario but unlikely as present geographical range is Asia. Transmitted by <i>Bemisia tabaci</i> - non-indigenous to UK though intercepted in trade. ChiLCV has the potential for rapid evolution and adaptation to a range of geographic conditions and could be adopted to infect a wide range of crops, including diverse chilli cultivars.

Website(s)	https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?cslref=24808 https://gd.eppo.int/taxon/CHILCU https://ictv.global/taxonomy https://www.cabidigitallibrary.org/doi/10.1079/cabicompendium.51238613
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References

Mishra, M.; Verma, R.K.; Pandey, V.; Srivastava, A.; Sharma, P.; Gaur, R.; Ali, A. Role of Diversity and Recombination in the Emergence of Chilli Leaf Curl Virus. *Pathogens* **2022**, *11*, 529. <https://doi.org/10.3390/pathogens11050529>

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