

UK pest status report for Cowpea mild mottle virus

Field	Detail
Pest species name	<i>Cowpea mild mottle virus</i>
Pest taxon (order, family)	<i>Tymovirales, Betaflexiviridae</i>
Synonyms	CPMMV, Cowpea mild mottle carlavirus, cowpea mild mottle (?) carlavirus, eggplant mild mottle virus, groundnut crinkle virus, groundnut Ngomeni mottle virus, psophocarpus necrotic mosaic virus, tomato pale chlorosis virus, voandzeia mosaic virus
Pest common name	Angular mosaic of beans, mild mottle of cowpea, pale chlorosis of tomato,
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	<p>Africa: Benin, Burkino Faso, Côte d'Ivoire, Egypt, Eswatini, Ghana, Kenya, Malawi, Mozambique, Nigeria, Sudan, Tanzania, Togo, Uganda, Zambia.</p> <p>Asia: China, India, Indonesia, Iran, Iraq, Israel, Jordan, Malaysia, Pakistan, Taiwan, Thailand, Yemen.</p> <p>Europe: Netherlands</p> <p>North America: Mexico, United States of America, Puerto Rico.</p> <p>Oceania: Australia, Fiji, Papua New Guinea, Solomon Islands.</p> <p>South America: Argentina, Brazil, Venezuela.</p>
Main hosts	<p><i>Arachis hypogaea</i> L.</p> <p><i>Canavalia ensiformis</i> (L.) Dc.</p> <p><i>Glycine max</i> (L.) Merr.</p> <p><i>Solanum lycopersicum</i> L.</p>

	<p><i>Phaseolus lunatus</i> L.</p> <p><i>Phaseolus mungo</i> L.</p> <p><i>Phaseolus vulgaris</i> L.</p> <p><i>Psophocarpus tetragonolobus</i> (L.) Dc.</p> <p><i>Salvia hispanica</i> L.</p> <p><i>Solanum melongena</i> L.</p> <p><i>Stylosanthes guianensis</i> (Aublet) Swartz</p> <p><i>Tephrosia purpurea</i> (L.) Pers.</p> <p><i>Vicia faba</i> L.</p> <p><i>Voandzeia subterranea</i> Thou. Ex Dc.</p> <p><i>Fabaceae</i> (family)</p> <p><i>Plants</i> (general)</p>
Likelihood for establishment in UK	<p>Possible/unlikely. Appears to affect tropical bean species rather than species commonly grown in UK.</p> <p>Vectored by <i>Bemisia tabaci</i> (tobacco whitefly) (non-indigenous quarantine pest).</p>
Website(s)	<p>https://ictv.global/taxonomy</p> <p>https://gd.eppo.int/taxon/CPMMV0</p> <p>https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?csref=247</p> <p>https://www.cabidigitallibrary.org/doi/10.1079/cabicompendium.15735</p>

References

Zanardo, L.G., Carvalho, C.M. Cowpea mild mottle virus (*Carlavirus*, *Betaflexiviridae*): a review. *Trop. plant pathol.* **42**, 417–430 (2017). <https://doi.org/10.1007/s40858-017-0168-y>

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