

UK pest status report for *Halyomorpha halys*

Field	Detail
Pest species name	<i>Halyomorpha halys</i> (Stål)
Pest taxon (order, family)	Order - Hemiptera Family - Pentatomidae
Synonyms	<i>Halyomorpha brevis</i> <i>Halyomorpha mista</i> <i>Halyomorpha remota</i> <i>Pentatoma halys</i>
Pest common name	Brown marmorated stinkbug
Regulatory status	Great Britain: Not regulated Northern Ireland: Not regulated
Pest status in UK (as per ISPM 8¹)	Present: not widely distributed and not under official control. Additional information: breeding population has only been observed in a single enclosed structure (greenhouse) in SE England.
Global distribution	Africa: Algeria and Morocco Asia: China, India, Israel, Japan, Kazakhstan, Nepal, South Korea, Russian Far East, Taiwan, Uzbekistan, and Vietnam. North America: USA and Southern Canada. South America: Chile Europe: Albania, Armenia, Austria, Azerbaijan, Belgium, Bosnia, Bulgaria, Croatia, Czech Republic, France, Georgia, Germany, Greece, Hungary, Italy, Liechtenstein, Malta, Moldova, Netherlands, North Macedonia, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain

	<p>(mainland and Canaries), Switzerland, Turkey, Ukraine, and the United Kingdom.</p> <p>Oceania: Guam.</p>
Main hosts	<p>Highly polyphagous pest attacking more than 100 plant species, primarily fruit trees and woody ornamentals, but also field crops.</p> <p>Fruit crops include: <i>Citrus</i> spp., <i>Diospyros</i> spp., <i>Malus domestica</i> (apple), <i>Morus</i> spp., <i>Prunus armeniaca</i> (apricot), <i>P. avium</i> (sweet cherry), <i>P. domestica</i> (plum), <i>P. persica</i> (peach), <i>Pyrus communis</i> (pear), <i>Solanum lycopersicum</i> (tomato), <i>Rubus idaeus</i> (raspberry) and <i>Vitis vinifera</i> (grapevine).</p> <p>Field crops include: <i>Asparagus</i> spp., <i>Glycine max</i> (soybean), <i>Phaseolus vulgaris</i> (common bean) and <i>Zea mays</i> (maize).</p> <p>Forest and ornamental trees/shrubs include: <i>Abelia grandiflora</i> (glossy abelia), <i>Acer</i> spp. (maples), <i>Aralia elata</i> (Japanese angelica tree), <i>Buddleia davidii</i> (summer lilac), <i>Cryptomeria japonica</i> (Japanese cedar), <i>Cupressus</i>, <i>Decaisnea fargesii</i> (blue bean shrub), <i>Hibiscus</i>, <i>Lonicera</i>, <i>Paulownia tomentosa</i> (foxglove tree), <i>Rosa rugosa</i>, <i>Salix</i>, <i>Stewartia pseudocamellia</i> and <i>Tropaeolum majus</i> (nasturtium).</p> <p>In Asia, has also been found on weeds (e.g. <i>Actrium</i> spp.).</p>
Likelihood for establishment in UK	<p>Unlikely / moderately likely in the wider environment depending on localised climatic conditions, <i>H. halys</i> has been intercepted in the UK since 2010. Surveys for <i>H. halys</i> have only found adults, there have been no findings of juveniles or eggs in the wider environment or other evidence to suggest it is breeding. Currently the UK's climate is not thought to be widely suitable for the establishment of <i>H. halys</i>.</p> <p>Very likely in protected cultivation, the current breeding population in SE England in one glasshouse, along with other reports of <i>H. halys</i> in protected cultivation in Hungary and Switzerland demonstrates that it can establish in the UK under protection.</p>
Website(s)	<p>EPPO global database: https://gd.eppo.int/taxon/HALYHA</p> <p>UK Plant health Portal: https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?cslref=4154</p>

References

Malumphy. C, Reid. S, Baker. R, Eyre. D, Stevens. L (2021) Plant Pest Factsheet Brown Marmorated Stink Bug (*Halyomorpha halys*), Defra - <https://planthealthportal.defra.gov.uk/assets/factsheets/Halyomorpha-halys-Defra-Pest-Factsheet-March-2021-FINAL.pdf>

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