

UK pest status report for *Gymnosporangium clavipes*

Field	Detail
Pest species name	<i>Gymnosporangium clavipes</i> (Cooke & Peck) Cooke & Peck
Pest taxon (order, family)	<i>Pucciniales, Gymnosporangiaceae</i>
Synonyms	<i>Caecoma germinale</i> Schwein. <i>Gymnosporangium germinale</i> F. Kern <i>Podisoma gymnosporangium</i> var. <i>clavipes</i> Cooke & Peck <i>Roestelia aurantiaca</i> Peck
Pest common name	Quince rust Cedar-quince rust. rust: apple; rust: <i>Juniperus</i> spp.; rust: quince
Regulatory status	Great Britain: Regulated quarantine pest (as <i>Gymnosporangium</i> spp.) Northern Ireland: Regulated quarantine pest (as <i>Gymnosporangium</i> spp.)
Pest status in UK (as per ISPM 8¹)	Absent: Pest not recorded.
Global distribution	<i>Gymnosporangium clavipes</i> is widespread in North America and occurs in Central America.
Main hosts	<ul style="list-style-type: none"> • <i>Amelanchier</i> Medik. • <i>Aronia</i> Medik. • <i>Chaenomeles</i> Bartl. • <i>Crataegus</i> L. • <i>Cydonia oblonga</i> Mill. • <i>Juniperus</i> L. • <i>Juniperus communis</i> ssp. <i>communis</i> L. • <i>Juniperus virginiana</i> L. • <i>Malus</i> Mill. • <i>Malus domestica</i> Borkhausen • <i>Mespilus</i> L. • <i>Photinia</i> Lindl. • <i>Sorbus</i> L.

Likelihood for establishment in UK	<p><i>G. clavipes</i>, like other <i>Gymnosporangium</i> spp., is heteroecious in that it requires <i>Juniperus</i> and rosaceous hosts of subfamily Pomoideae to complete its life cycle. The fungus infects fruit but not leaves of apple, and both leaves and fruit of <i>Cydonia oblonga</i> (quince), <i>Crataegus</i> spp. (hawthorn) and other rosaceous species. Therefore, both hosts are present in the UK.</p> <p>Very likely to be able to establish, based on hosts and current climatic conditions</p>
Website(s)	<p>https://www.cabidigitallibrary.org/doi/10.1079/cabicompendum.26224 [accessed 12/12/2022]</p> <p>https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?cslref=648 [accessed 12/12/2022]</p> <p>https://www.efsa.europa.eu/en/efsajournal/pub/5512</p>

References:

Defra (2020) UK Risk Register Details for *Gymnosporangium clavipes*.
<https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?cslref=648> [accessed 12/12/2022]

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EPPO (2022). Data Sheets on Quarantine Pests: *Gymnosporangium clavipes*. EPPO Global Database. [Accessed on 12/12/2022].
<https://gd.eppo.int/taxon/GYMNGL/documents>

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