

## UK pest status report for *Meloidogyne enterolobii*

Field	Detail
<b>Pest species name</b>	<i>Meloidogyne enterolobii</i> Yang & Eisenback, 1983
<b>Pest taxon (order, family)</b>	Tylenchida: Meloidogynidae
<b>Synonyms</b>	<i>Meloidogyne mayaguensis</i> Rammah & Hirschmann, 1988
<b>Pest common name</b>	Root-knot nematode Pacara earpod tree root-knot nematode
<b>Regulatory status</b>	Great Britain: Provisional quarantine pest Northern Ireland: Regulated quarantine pest.
<b>Pest status in UK (as per ISPM 8<sup>1</sup>)</b>	Absent: pest not recorded
<b>Global distribution</b>	<p><b>Africa:</b> Benin, Burkina Fasco, Côte d'Ivoire, Democratic Republic of the Congo, Kenya, Malawi, Mozambique, Niger, Nigeria, Senegal, South Africa, Togo.</p> <p><b>Asia:</b> China (Fujian, Guangdong, Guangxi, Hainan, Hunan, Liaoning, Shandong, Yunnan), India (Madhya Pradesh, Rajasthan, Tamil Nadu, Uttar Pradesh, Uttarakhand), Singapore, Taiwan, Thailand, Vietnam.</p> <p><b>Europe:</b> Portugal, Switzerland (underglass).</p> <p><b>North America:</b> Costa Rica, El Salvador, Guadeloupe, Guatemala, Honduras, Martinique, Mexico, Nicaragua, Puerto Rico, Trinidad and Tobago, United States (Florida, Louisiana, North Carolina, South Carolina).</p> <p><b>Oceania:</b> N/A.</p> <p><b>South America:</b> Brazil (Alagoas, Bahia, Ceara, Espirito Santo, Goias, Maranhao, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Para, Paraiba, Parana, Pernambuco, Piaui, Rio de Janeiro, Rio Grande do</p>

	Norte, Rio Grande do Sul, Santa Catarina, Sao Paulo, Tocantins), Venezuela.
<b>Main hosts</b>	<p><i>Abelmoschus esculentus</i>, <i>Ajuga reptans</i>, <i>Angelonia</i> spp., <i>Amaranthus hybridus</i>, <i>A. tricolor</i>, <i>Angelonia angustifolia</i>, <i>Apium graveolens</i>, <i>Aquilaria malaccensis</i>, <i>Artocarpus heterophyllus</i>, <i>Basalla alba</i>, <i>Beta vulgaris</i>, <i>Bidens alba</i>, <i>B. Pilosa</i>, <i>Brachychiton</i> spp., <i>Brassica oleracea</i> var. <i>botrytis</i>, <i>Brugmansia</i> spp., <i>Buddleia davidii</i>, <i>Byrsonima cydoniifolia</i>, <i>Callistemon</i> spp., <i>Callistemon viminalis</i>, <i>Camellia oleifera</i>, <i>Cannabis sativa</i>, <i>Capsicum annuum</i>, <i>Carica papaya</i>, <i>Caryopteris x clandonensis</i>, <i>Celosia argentea</i>, <i>Cereus</i> spp., <i>C. fernambucensis</i>, <i>C. hildmannianus</i>, <i>Citrullus lanatus</i>, <i>Clerodendrum ugandense</i>, <i>Coffea arabica</i>, <i>Coffea</i> spp., <i>Coleus scutellaroides</i>, <i>Corchorus olitorius</i>, <i>Cucumis melo</i>, <i>C. sativus</i>, <i>Cucurbita</i> spp., <i>Daucus carota</i>, <i>Dioscorea rotundata</i>, <i>Elaeocarpus decipiens</i>, <i>Elaeocarpus</i> spp., <i>Enterolobium contortisiliquum</i>, <i>Erechtites hieraciifolius</i>, <i>Euphorbia heterophylla</i>, <i>E. prostrata</i>, <i>E. pulcherrima</i>, <i>E. punicea</i>, <i>E. tirucalli</i>, <i>Ficus</i> spp., <i>Gardenia augusta</i>, <i>Gossypium hirsutum</i>, <i>Glycine max</i>, <i>Hydrocotyle bonariensis</i>, <i>Hibiscus</i> spp., <i>Ipomoea batatas</i>, <i>Ixora chinesisnsis</i>, <i>Jatropha urens</i>, <i>Lampranthus</i> spp., <i>Lantana camara</i>, <i>L. montevidensis</i>, <i>Lantana</i> spp., <i>Ligustrum</i> spp., <i>Luffa aegyptiaca</i>, <i>Malpighia emarginata</i>, <i>M. glabra</i>, <i>Malpighia</i> spp., <i>Manihot esculenta</i>, <i>Maranta arundinacea</i>, <i>Manihot esculenta</i>, <i>Melaleuca linearis</i>, <i>M. viminalis</i>, <i>Melaleuca</i> spp., <i>Morinda cerifera</i>, <i>M. citrifolia</i>, <i>Morus alba</i>, <i>M. celtidifolia</i>, <i>M. nigra</i>, <i>Morus</i> spp., <i>Musa</i> spp., <i>Nicandra physalodes</i>, <i>Nicotiana tabacum</i>, <i>Ocimum basilicum</i>, <i>Oeceoclades maculate</i>, <i>Ormosis hosieii</i>, <i>Passiflora mucronata</i>, <i>Paulownia elongate</i>, <i>Pentas lanceolata</i>, <i>Perilla frutescens</i> var. <i>crispa</i>, <i>Petroselinum crispum</i>, <i>Phaseolus vulgaris</i>, <i>Physalis peruviana</i>, <i>Platostoma palustre</i>, <i>Psidium guajava</i>, <i>Rosa</i> spp., <i>Rotheca myricoides</i>, <i>Salix x penduline</i> f. <i>salamonii</i>, <i>Senna occidentalis</i>, <i>Solandra maxima</i>, <i>Solanum americanum</i>, <i>S. intrusum</i>, <i>S. lycopersicum</i>, <i>S. melongena</i>, <i>S. tuberosum</i>, <i>S. pseudocapsicum</i>, <i>S. quitoense</i>, <i>S. scabrum</i>, <i>Solenostemon scutellarioides</i>, <i>Stenocereus queretaroensis</i>, <i>Syngonium</i> spp., <i>Syzygium aromaticum</i>, <i>Talinum fruticosum</i>, <i>Tecoma capensis</i>, <i>Thunbergia</i> spp., <i>Tibouchina</i> spp., <i>Ulmus parvifolia</i>, <i>Vigna unguiculate</i>, <i>Vitis</i> spp., <i>Zingiber officinale</i>, <i>Ziziphus jujube</i>, <i>Ziziphus</i> spp.</p> <p>Polyphagous species (Perry <i>et al.</i>, 2009).</p>
<b>Likelihood for establishment in UK</b>	<p>Possible, in protected cultivation. Unlikely to establish outdoors</p> <p>Note: This species typically prefers tropical/subtropical where it has been reported to cause significant damage (Perry <i>et al.</i>, 2009).</p>
<b>Website(s)</b>	<p><a href="https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?cslref=26577">https://planthealthportal.defra.gov.uk/pests-and-diseases/uk-plant-health-risk-register/viewPestRisks.cfm?cslref=26577</a></p> <p><a href="http://intranet.fera.gsi.gov.uk/applicat/ph/warehouse/organism/info.cfm?cslref=26577&amp;pageType=INFO">http://intranet.fera.gsi.gov.uk/applicat/ph/warehouse/organism/info.cfm?cslref=26577&amp;pageType=INFO</a></p> <p><a href="https://www.cabidigitallibrary.org/doi/10.1079/cabicompendum.33238">https://www.cabidigitallibrary.org/doi/10.1079/cabicompendum.33238</a></p>

<https://gd.eppo.int/taxon/MELGMY/distribution/CH>

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<https://gd.eppo.int/taxon/MELGMY/hosts>

<https://gd.eppo.int/taxon/MELGMY/categorization>

<https://gd.eppo.int/taxon/MELGMY/datasheet>

## References

Perry, R.N., Moens, M. and Starr, J.L. eds., 2009. *Root-knot nematodes*. CABI. Pp 458.

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