In October 2018, infective juveniles of Meloidogyne mali were isolated from a soil sample taken from the rhizosphere of elm trees (Ulmus sp.) located at one site in southern England. This surveillance work was carried out by the Plant Health and Seed Inspectorate following recommendations outlined in the EPPO pest risk analysis for the apple root-knot nematode, *M. mali* (EPPO, 2017). Statutory sampling at the location was carried out in December 2018, with *M. mali* populations observed infesting the roots of elm trees at this and one additional site (Fig. 1). Host roots exhibited the typical large galls, with small cavities, associated with this species (Fig. 2). A number of elm trees at each site have died, likely due to Dutch Elm Disease (DED); it is possible that nematode infestation could weaken the tree, making it more susceptible to infection by other pathogens. Morphological identification was done on formalin-fixed infective juveniles and perineal patterns of mature females dissected from root galls. Diagnosis was confirmed using molecular sequencing; DNA was extracted from 13 samples (Blood and Tissue Kit, Qiagen), and a COI gene fragment (infective juveniles, adult males and perineal patterns of mature females) were preserved in triethanolamine formalin, added to a 5% glycerol solution and incubated at 40°C to slowly evaporate the water and process nematodes into anhydrous glycerol before being slide mounted. Material has been deposited as voucher specimens in the UK National Collection of Plant-Parasitic Nematodes (NCPN, accession numbers FNCV11006-10). This collection forms part of the European Nematode Collection (http://www.nce.nu).

In the early 1980’s, European countries received potentially infested elm trees via The Netherlands, to conduct trials on DED resistance (Heybroek, 1983). The imported trees were removed and destroyed at the end of the trial period, however this polyphagous species persisted, infesting other elm trees at the site. This is a new geographical record of *M. mali* confirmed from the UK. This nematode is an EPPO A2 listed pest, having recently been recorded in The Netherlands associated with uprooting of elm trees during periods of adverse weather conditions (EPPO, 2017). This root-knot nematode species has also been reported from Italy and France.

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**References**


