

Mini data sheet on *Phytophthora quercina*

Added in 2000 - Deleted in 2004

Reasons for deletion:

PRA (04-10803 & 10804) concluded that the pest *Phytophthora quercina* is widespread in the EPPO region where it has no climatic restriction. It was also concluded that the pest did not have the characteristics of a quarantine pest. In 2004, it was therefore removed from the EPPO Alert List.

Phytophthora quercina: a new species found on declining oaks

Why	<i>Phytophthora quercina</i> came to our attention because it has recently been described as a new species, pathogenic to oak, and involved in oak decline in some countries.
Where	EPPO region: Austria, Belgium, France, Germany, Hungary, Italy, Luxemburg, Serbia and Montenegro, Sweden, Turkey, United Kingdom.
On which plants	<i>Quercus</i> species (e.g. <i>Quercus robur</i> , <i>Q. petraea</i> , <i>Q. cerris</i> , <i>Q. pubescens</i> , <i>Q. ilex</i>). In Turkey, it has also been found on <i>Q. hartwissiana</i> , <i>Q. frainetto</i> and <i>Q. vulcanica</i> .
Damage	Oak decline. In pathogenicity tests, <i>Q. robur</i> seedlings showed severe dieback, root necrosis, leaf chlorosis.
Dissemination	More data needed.
Pathway	Plants for planting of <i>Quercus</i> from countries where <i>P. quercina</i> occurs.
Possible risks	Oaks are important amenity and forest trees in the EPPO region. <i>P. quercina</i> is apparently pathogenic to oaks and not present in all parts of the EPPO region. But more data is needed on its biology and particularly on its pathogenicity and its role in oak decline.
Source(s)	Balcý, Y.; Halmschlager, E. (2002) First confirmation of <i>Phytophthora quercina</i> in Asia. <i>Plant Disease</i> , 86(4), p 442. Balcý, Y.; Halmschlager, E. (2002) First report of <i>Phytophthora quercina</i> from oak forests in Austria. <i>New Disease Reports</i> , volume 6, August 2002 - January 2003. http://www.bspp.org.uk/ndr/jan2003/2002-28.htm Cooke, D.E.L.; Jung, T.; Williams, N.A.; Schubert, R.; Bahnweg, G.; Osswald, W.; Duncan, J.M. (1999) Molecular evidence supports <i>Phytophthora quercina</i> as a distinct species. <i>Mycological Research</i> , 103(7), 799-804. Jönsson, U.; Lundberg, L.; Sonesson, K.; Jung, T. (2003) First records of soilborne <i>Phytophthora</i> species in Swedish oak forests. <i>Forest Pathology</i> , 33(3), 175-179. Jung, T.; Cooke, D.E.L.; Blaschke, H.; Duncan, J.M.; Osswald, W. (1999) <i>Phytophthora quercina</i> sp. nov., causing root rot of European oaks. <i>Mycological Research</i> , 103(7), 785-798. University of München, DE - <i>Phytophthora quercina</i> web site: http://www.forst.uni-muenchen.de/EXT/LST/BOTAN/LEHRE/PATHO/QUERCUS/oakdec.htm
EPPO RS 2000/066, 2002/054, 2002/161, 2003/067	
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