

**PLANTS REPORTED AS NATURAL HOSTS OF  
PHYTOPHTHORA RAMORUM**

**Note:** these plants should be included on a Notice holding plants within 10 m of a suspect/confirmed infected plant. All species of *Quercus* should be held. 'Recorded in Europe' also include interceptions found in the UK from European countries.

Host	Common name	Family	Recorded in UK, Europe (EU) or North America (NA)		
<b>Ornamentals/shrubs/herbaceous plants<sup>a</sup></b>					
<i>Adiantum aleuticum</i> <sup>1</sup> (Rupr.) Paris [≡ <i>Adiantum pedatum</i> L.]	Western maidenhair fern	Polypodiaceae			NA
<i>Adiantum jordanii</i> <sup>1</sup> C. Muell.	California maidenhair fern	Polypodiaceae			NA
<i>Arbutus menziesii</i> <sup>1</sup> Pursh	Madrone	Ericaceae			NA
<i>Arbutus unedo</i> <sup>2</sup> L.	Strawberry tree	Ericaceae	UK	EU	
<i>Arctostaphylos columbiana</i> Piper	Hairy manzanita	Ericaceae			NA
<i>Arctostaphylos manzanita</i> <sup>1</sup> Parry	Manzanita	Ericaceae			NA
<i>Arctostaphylos uva-ursi</i> (L.) Spreng.	Kinnikinnik, bearberry	Ericaceae			NA
<i>Ardisia japonica</i> (Thunb.) Blume	Japanese ardisia, maleberry	Mysinaceae			NA
<i>Calluna vulgaris</i> <sup>1</sup> (L.) Hull	Heather	Ericaceae		EU	
<i>Calycanthus occidentalis</i> Hook. & Arn.	Spicebush, western sweetshrub	Calycanthaceae			NA
<i>Camellia</i> spp. <sup>1</sup> L.	Camellia	Theaceae	UK	EU	NA
<i>Choisya ternata</i> <sup>1</sup> 'Aztec Pearl'	Mexican orange	Rutaceae	UK		
<i>Clintonia andrewsiana</i> Torr.	Andrew's clintonia bead lily	Liliaceae			NA
<i>Corylopsis spicata</i> Sieb. & Zucc.	Spike winter hazel	Hamamelidaceae			NA
<i>Distylium myricoides</i> Hemsley	Mytle-leafed distylium	Hamamelidaceae			NA
<i>Dryopteris arguta</i> (Kaulfuss) Watt	Californian wood fern, coastal woodfern	Dryopteridiaceae			NA
<i>Euonymus kiautschovicus</i> Loes.	Spreading euonymus, creeping strawberry bush	Celastraceae			NA
<i>Garrya elliptica</i> Douglas. ex Lindl.	Silk tassel bush	Garryaceae	UK		
<i>Gaultheria shallon</i> <sup>1</sup> Pursh	Salal, Oregon wintergreen	Ericaceae	UK		NA
<i>Griselinia littoralis</i> <sup>1</sup> Raoul.	-	Cornaceae	UK		
<i>Hamamelis mollis</i> Oliver	Chinese witch hazel	Hamamelidaceae	UK		
<i>Hamamelis virginiana</i> <sup>1</sup> L.	Virginian witch hazel	Hamamelidaceae	UK		
<i>Hamamelis x intermedia</i> Redher ( <i>H. mollis</i> Oliver x <i>H. Japonica</i> Siebold & Zucc.)	Hybrid witchhazel	Hamamelidaceae			NA
<i>Heteromeles arbutifolia</i> <sup>1</sup> (Lindl.) M. Roemer	Toyon	Rosaceae			NA
<i>Kalmia angustifolia</i> L.	Sheep laurel	Ericaceae		EU	
<i>Kalmia latifolia</i> <sup>1</sup> L.	Mountain laurel	Ericaceae	UK	EU	
<i>Laurus nobilis</i> <sup>1</sup> L.	Bay laurel	Lauraceae	UK		

<sup>a</sup> Note: the division between trees and ornamentals/shrubs is somewhat artificial; plant species can be one or other, or both, depending on climate, maturity or end use.

<i>Leucothoe axillaris</i> (Lam.) D. Don	Fetter-bush, dog hobble	Ericaceae			NA
<i>Leucothoe fontanesiana</i> (Steud.) Sleumer	Drooping leucothoe	Ericaceae	UK		
<i>Lonicera hispidula</i> <sup>1</sup> (Lindl.) Dougl. ex Torr. & Gray	Californian honeysuckle	Caprifoliaceae		EU	NA
<i>Lonicera periclymenum</i> L.	European honeysuckle	Caprifoliaceae			NA
<i>Magnolia</i> spp. <sup>1</sup> L.	Magnolia	Magnoliaceae	UK	EU	NA
<i>Mahonia aquifolium</i>	Holly leaved barberry Oregon grape	Berberidaceae			NA
<i>Maianthemum racemosum</i> (L.) Link [= <i>Smilacina racemosa</i> ]	False Solomon's seal	Liliaceae			NA
<i>Nerium oleander</i> L.	Oleander	Apocynaceae			NA
<i>Osmanthus decorus</i> (Boiss. & Balansa) Kasapligil	Osmanthus	Oleaceae			NA
<i>Osmanthus delavayi</i> Franch.	Delavay osmanthus	Oleaceae	UK		NA
<i>Osmathnus fragrans</i> Lour.	Sweet olive	Oleaceae			NA
<i>Osmanthus heterophyllus</i> <sup>1</sup> (G. Don) P. S. Green	Holly osmanthus	Oleaceae	UK		NA
<i>Osmorhiza berteroi</i> DC.	Sweet cicely	Apiaceae			NA
<i>Parrotia persica</i> <sup>1</sup> (DC.) C.A. Meyer	Ironwood	Hamamelidaceae	UK		
<i>Photinia x fraseri</i> <sup>1</sup> Dress	Fraser photinia	Rosaceae		EU	
<i>Physocarpus</i>	Ninebark	Rosaceae			NA
<i>Pieris</i> spp. <sup>1</sup> D. Don	-	Ericaceae	UK	EU	NA
<i>Pittosporum undulatum</i> Vent.	Victorian box	Pittosporaceae			NA
<i>Prunus laurocerasus</i> 'Nana' L.	Dwarf English laurel	Rosaceae			NA
<i>Pyracantha koidzumii</i> (Hayata) Rehd.	Formosa firethorn	Rosaceae			NA
<i>Rhododendron</i> spp. <sup>1,3</sup> L.	Rhododendron	Ericaceae	UK	EU	NA
<i>Ribes laurifolium</i>	-	Grossulariaceae	UK		
<i>Rosa</i> cultivar Pink Meidiland	Rose hybrid	Rosaceae			NA
<i>Rosa</i> cultivar Pink Sevillana	Rose hybrid	Rosaceae			NA
<i>Rosa</i> cultivar Royal Bonica	Rose hybrid	Rosaceae			NA
<i>Rosa gymnocarpa</i> <sup>1</sup> Nutt.	Californian wood rose	Rosaceae			NA
<i>Rosa rugosa</i> Thunb.	Rugosa rose	Rosaceae			NA
<i>Rubus spectabilis</i> Pursh	Salmonberry	Rosaceae			NA
<i>Syringa vulgaris</i> <sup>1</sup> L.	Lilac	Oleaceae	UK	EU	
<i>Trientalis latifolia</i> <sup>1</sup> Hook.	Western star flower	Primulaceae			NA
<i>Vaccinium ovatum</i> <sup>1</sup> Pursh	Californian huckleberry	Ericaceae			NA
<i>Vancouveria planipetala</i> Calloni	Redwood Ivy	Berberidaceae			NA
<i>Viburnum</i> spp. <sup>1</sup> L.	Viburnum	Caprifoliaceae	UK	EU	NA

1. Koch's postulates successfully completed for this host
2. UK finding on *Arbutus unedo* was Guernsey
3. Not including *Rhododendron simsii* (excluded in the legislation).

Host	Common name	Family	Recorded in UK, Europe (EU) or North America (NA)		
<b>Trees<sup>a</sup></b>					
<i>Abies concolor</i> (Gord. & Glend.) Lindl. ex Hildebr.	White fir	Pinaceae			NA
<i>Abies grandis</i> (Dougl. ex D. Don) Lindl.	Grand fir	Pinaceae			NA
<i>Abies magnifica</i> A. Murr.	Red fir	Pinaceae			NA
<i>Acer circinatum</i> Pursh	Vine maple	Aceraceae			NA
<i>Acer davidii</i> Franch.	Striped bark maple	Aceraceae			NA
<i>Acer laevigatum</i> Wallich	Evergreen maple	Aceraceae	UK		
<i>Acer macrophyllum</i> <sup>1</sup> Pursh	Big leaf maple	Aceraceae			NA
<i>Acer pseudoplatanus</i> <sup>1</sup> L.	Sycamore	Aceraceae	UK		
<i>Aesculus californica</i> <sup>1</sup> (Spach) Nutt.	Californian buckeye	Hippocastanaceae			NA
<i>Aesculus hippocastanum</i> <sup>1</sup> L.	Horse chestnut	Hippocastanaceae	UK	EU	
<i>Castanea sativa</i> <sup>1</sup> P. Mill.	Sweet chestnut	Fagaceae	UK		
<i>Castanopsis orthacantha</i> Franchet	-	Fagaceae	UK		
<i>Ceanothus thyrsiflorus</i> Eschsch.	Blue blossom, Californian lilac	Rhamnaceae			NA
<i>Cercis chinensis</i>	Redbud	Fabaceae			NA
<i>Cinnamomum camphora</i> (L.) J. Presl.	Camphor tree	Lauraceae	UK		
<i>Cornus kousa</i> x <i>Cornus capitata</i>	Cornus Norman Haddon	Cornaceae	UK		
<i>Cornus capitata</i>	Bentham's dogwood	Cornaceae	UK		
<i>Corylus cornuta</i> Marsh.	California hazelnut	Betulaceae			NA
<i>Drimys winteri</i> Forster & Forster	Winter's bark	Winteraceae	UK		
<i>Eucalyptus haemastoma</i> Sm.	Scribbly gum	Myrtaceae	UK		
<i>Fagus sylvatica</i> <sup>1</sup> L.	Beech	Fagaceae	UK		
<i>Frangula californica</i> <sup>1</sup> (Eschsch.) Gray [≡ <i>Rhamnus californica</i> ]	Californian coffeeberry, California buckthorn	Rhamnaceae			NA
<i>Frangula purshiana</i> <sup>1</sup> (DC.) Cooper [≡ <i>Rhamnus purshiana</i> ]	Cascara, Cascara buckthorn	Rhamnaceae			NA
<i>Fraxinus excelsior</i> <sup>1</sup> L.	Ash	Oleaceae	UK		
<i>Fraxinus latifolia</i> Benth. (R.Br.) Oliv.	Oregon ash	Oleaceae			NA
<i>Ilex purpurea</i> Hassk.	Oriental holly	Aquifoliaceae			NA
<i>Lithocarpus densiflorus</i> <sup>1</sup> (Hook. & Arn.) Rehd.	Tanoak	Fagaceae			NA
<i>Loropetalum chinense</i>	Loropetalum	Hamamelidaceae			NA
<i>Magnolia figo</i> ( <i>Michelia figo</i> )	Banana magnolia (Banana shrub)	Magnoliaceae			NA
<i>Manglietia insignis</i> (Wall.) Blume	Red lotus tree	Magnoliaceae			NA
<i>Michelia doltsopa</i> <sup>1</sup> Buch.-Ham. ex DC.	Michelia	Magnoliaceae	UK		

<sup>a</sup> Note: the division between trees and ornamentals/shrubs is somewhat artificial; plant species can be one or other, or both, depending on climate, maturity or end use.

<i>Michelia maudiae</i> Dunn	Michelia	Magnoliaceae	UK		NA
<i>Michelia wilsonii</i> Finet. & Gagnep.	Michelia	Magnoliaceae			NA
<i>Nothofagus obliqua</i> (Mirbel) Blume	Roble beech	Nothofagaceae	UK		
<i>Parakmeria lotungensis</i> (Chun & C.H. Tsoong) Y.W. Law	Eastern joy lotus tree	Magnoliaceae			NA
<i>Prunus lusitanica</i> L.	Portuguese laurel cherry	Rosaceae			NA
<i>Pseudotsuga menziesii</i> <sup>1</sup> (Mirbel) Franco	Douglas fir	Pinaceae			NA
<i>Quercus acuta</i> Thunb.	Japanese evergreen oak	Fagaceae	UK		
<i>Quercus agrifolia</i> <sup>1</sup> Née	Coast live oak	Fagaceae			NA
<i>Quercus cerris</i> <sup>1</sup> L.	Turkey oak	Fagaceae	UK		
<i>Quercus chrysolepis</i> <sup>1</sup> Liebm.	Canyon live oak	Fagaceae			NA
<i>Quercus falcata</i> <sup>1</sup> Michx.	Southern red oak	Fagaceae	UK		
<i>Quercus ilex</i> <sup>1</sup> L.	Holm oak	Fagaceae	UK		
<i>Quercus kelloggii</i> <sup>1</sup> Newberry	Californian black oak	Fagaceae			NA
<i>Quercus parvula</i> Greene var. <i>shrevei</i> <sup>1</sup> (C.H. Muller) Nixon	Shreve oak	Fagaceae			NA
<i>Quercus petraea</i> (Mattuschka) Liebl.	Sessile oak	Fagaceae	UK		
<i>Quercus rubra</i> L.	Northern red oak	Fagaceae		EU	
<i>Salix caprea</i> <sup>1</sup> L.	Goat willow/sallow	Salicaceae	UK	EU	
<i>Schima argentea</i>	-	Theaceae	UK		
<i>Schima wallichii</i> (DC.) Korth.	Chinese guger tree	Theaceae	UK		
<i>Sequoia sempervirens</i> <sup>1</sup> (Lamb. ex D. Don) Endl.	Coast redwood	Taxodiaceae			NA
<i>Taxus baccata</i> <sup>1</sup> L.	Yew	Taxaceae	UK	EU	
<i>Taxus brevifolia</i> Nutt.	Pacific yew	Taxaceae			NA
<i>Taxus x media</i> Rehder ( <i>T. baccata</i> L. x <i>T. cuspidata</i> Siebold & Zuccarini)	Anglojap yew	Taxaceae		EU	
<i>Torreya californica</i> Torr.	California nutmeg	Taxaceae			NA
<i>Toxicodendron diversilobum</i> (Torr. & Gray) Greene	Pacific poison oak	Anacardaceae			NA
<i>Umbellularia californica</i> <sup>1</sup> (Hook. & Arn.) Nutt.	Californian bay laurel	Lauraceae	UK		NA

1. Koch's postulates successfully completed for this host
2. UK finding on *Arbutus unedo* was Guernsey
3. Not including *Rhododendron simsii* (excluded in the legislation)

Prepared by Central Science Laboratory