

# Phytophthora plant list



RHS Advisory Service

November 2017

Sharing the best in Gardening

## Genera of trees, shrubs and other woody plants showing susceptibility or some degree of resistance to *Phytophthora*

### Susceptible plants

Plants show considerable variation in their susceptibility to *Phytophthora* diseases. Susceptibility to infection is also dependent on the *Phytophthora* species present. In British gardens, the plants on which the RHS have isolated *Phytophthora* most frequently are listed below. The numbers of cases recorded through the RHS Advisory Service since 1996 are indicated in **bold**:

#### The most frequently attacked plants:

\*\* top hosts

<i>Acer</i> (39)	<i>Daphne</i> (29)	<i>Juniperus</i> (28)	<i>Rosa</i> (33)
<i>Aesculus</i> (17)	<i>Elaeagnus</i> (11)	<i>Lavandula</i> (34)	<i>Rosmarinus</i> (21)
<i>Alstroemeria</i> (11)	<i>Euphorbia</i> (16)	<i>Malus</i> (26)	<i>Rubus</i> (121)**
<i>Aucuba</i> (31)	<i>Fagus</i> (23)	<i>Photinia</i> (15)	<i>Sarcococca</i> (17)
<i>Buxus</i> (55)	<i>Fragaria</i> (20)	<i>Primula</i> (11)	<i>Sorbus</i> (37)
<i>Calluna</i> (23)	<i>Fremontodendron</i> (15)	<i>Prunus</i> (115)**	<i>Taxus</i> (375)**
<i>Ceanothus</i> (23)	<i>Hebe</i> (15)	<i>Rhododendron</i> (108)**	<i>Thuja</i> (11)
<i>Chamaecyparis</i> (22)	<i>Hellebore</i> (11)	<i>Ribes</i> (28)	<i>Viburnum</i> (77)**
<i>Clematis</i> (14)	<i>Ilex</i> (44)	<i>Robinia</i> (12)	<i>Wisteria</i> (11)
<i>Cornus</i> (18)			

#### Occasionally the following plants may also be damaged:

<i>Abies</i> (4)	<i>Arbutus</i> (10)	<i>Campanula</i> (1)	<i>Clivia</i> (1)
<i>Abutilon</i> (8)	<i>Ardisia</i> (1)	<i>Campsis</i> (1)	<i>Convolvulus</i> (6)
<i>Acacia</i> (2)	<i>Argyranthemum</i> (1)	<i>Cardiocrinum</i> (1)	<i>Copernicia</i> (1)
<i>Achillea</i> (1)	<i>Asparagus</i> (3)	<i>Carpinus</i> (2)	<i>Cordyline</i> (1)
<i>Aconitum</i> (3)	<i>Asplenium</i> (1)	<i>Caryopteris</i> (1)	<i>Corylopsis</i> (4)
<i>Actea</i> (1)	<i>Aster</i> (2)	<i>Castanea</i> (5)	<i>Corylus</i> (1)
<i>Actinidia</i> (2)	<i>Austrocedrus</i> (1)	<i>Cedrus</i> (5)	<i>Cotinus</i> (8)
<i>Agapanthus</i> (1)	<i>Begonia</i> (6)	<i>Cephalotaxus</i> (1)	<i>Cotoneaster</i> (9)
<i>Ageratum</i> (1)	<i>Berberis</i> (6)	<i>Ceratostigma</i> (2)	<i>Cratageus</i> (5)
<i>Allium</i> (2)	<i>Berberidopsis</i> (2)	<i>Cercis</i> (5)	<i>Crinodendron</i> (2)
<i>Alnus</i> (10)	<i>Betula</i> (6)	<i>Chaenomeles</i> (5)	<i>Crocus</i> (3)
<i>Alternanthera</i> (1)	<i>Bougainvillea</i> (1)	<i>Choisya</i> (10)	<i>Cryptomeria</i> (1)
<i>Alyssum</i> (1)	<i>Brachyglottis</i> (1)	<i>Chrysanthemum</i> (1)	<i>Cucumis</i> (1)
<i>Amelanchier</i> (4)	<i>Buddleja</i> (5)	<i>Cineraria</i> (1)	<i>Cupressus</i> (5)
<i>Anemone</i> (5)	<i>Calendula</i> (1)	<i>Cinnamomum</i> (1)	<i>Cyclamen</i> (1)
<i>Aquilegia</i> (1)	<i>Calibrachoa</i> (2)	<i>Cistus</i> (9)	<i>Daboecia</i> (1)
<i>Aralia</i> (1)	<i>Callistemon</i> (1)	<i>Citrus</i> (2)	<i>Dahlia</i> (3)
<i>Araucaria</i> (5)	<i>Camellia</i> (8)	<i>Citrofortunella</i> (1)	<i>Delphinium</i> (1)

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## Occasionally damaged plants (continued)

<i>Desfontainia</i> (2)	<i>Hydrangea</i> (9)	<i>Osmanthus</i> (7)	<i>Salix</i> (10)
<i>Dianthus</i> (2)	<i>Impatiens</i> (1)	<i>Osteospermum</i> (3)	<i>Salvia</i> (7)
<i>Digitalis</i> (1)	<i>Iris</i> (2)	<i>Oxydendrum</i> (1)	<i>Sambucus</i> (10)
<i>Echinops</i> (1)	<i>Jasminum</i> (2)	<i>Ozothamnus</i> (3)	<i>Santolina</i> (2)
<i>Echium</i> (4)	<i>Juglans</i> (3)	<i>Pachysandra</i> (6)	<i>Saxifraga</i> (4)
<i>Embothrium</i> (1)	<i>Kalmia</i> (2)	<i>Paeonia</i> (3)	<i>Schisandra</i> (1)
<i>Enkianthus</i> (2)	<i>Laburnum</i> (8)	<i>Parrotia</i> (1)	<i>Schizophragma</i> (1)
<i>Erica</i> (6)	<i>Larix</i> (1)	<i>Parthenocissus</i> (1)	<i>Sedum</i> (1)
<i>Erodium</i> (1)	<i>Lathyrus</i> (1)	<i>Passiflora</i> (1)	<i>Semiarundinaria</i> (1)
<i>Eryngium</i> (2)	<i>Laurus</i> (10)	<i>Paulownia</i> (2)	<i>Senecio</i> (2)
<i>Escallonia</i> (5)	<i>Lavatera</i> (3)	<i>Pelargonium</i> (1)	<i>Senna</i> (1)
<i>Eucalyptus</i> (5)	<i>Leucanthemum</i> (1)	<i>Penstemon</i> (5)	<i>Skimmia</i> (8)
<i>Eucryphia</i> (2)	<i>Leucothoe</i> (4)	<i>Petunia</i> (3)	<i>Solanum</i> (3)
<i>Euonymus</i> (6)	<i>Ligustrum</i> (7)	<i>Phaseolus</i> (1)	<i>Sophora</i> (1)
<i>Exochorda</i> (1)	<i>Lilium</i> (1)	<i>Philadelphus</i> (3)	<i>Spiraea</i> (1)
<i>Fatsia</i> (2)	<i>Lomatia</i> (1)	<i>Phlomis</i> (1)	<i>Streptocarpus</i> (2)
<i>Ficus</i> (1)	<i>Lonicera</i> (3)	<i>Phlox</i> (1)	<i>Styphnolobium</i> (1)
<i>Fothergilla</i> (1)	<i>Loropetalum</i> (1)	<i>Phyllica</i> (1)	<i>Symphoricarpos</i> (1)
<i>Fuchsia</i> (5)	<i>Lyonothamus</i> (1)	<i>Physocarpus</i> (1)	<i>Syringa</i> (10)
<i>Gardenia</i> (1)	<i>Lysimachia</i> (1)	<i>Pieris</i> (7)	<i>Tagetes</i> (1)
<i>Garrya</i> (9)	<i>Magnolia</i> (8)	<i>Pinus</i> (3)	<i>Taxodium</i> (1)
<i>Gaultheria</i> (1)	<i>Mahonia</i> (3)	<i>Pittosporum</i> (1)	<i>Telopea</i> (1)
<i>Geranium</i> (1)	<i>Meconopsis</i> (2)	<i>Polygonum</i> (1)	<i>Thymus</i> (1)
<i>Grevillea</i> (4)	<i>Melaleuca</i> (1)	<i>Populus</i> (3)	<i>Tilia</i> (4)
<i>Griselinia</i> (5)	<i>Mespilus</i> (2)	<i>Prostanthera</i> (3)	<i>Trachelospermum</i> (2)
<i>Gypsophila</i> (1)	<i>Mitraria</i> (1)	<i>Protea</i> (1)	<i>Vaccinium</i> (4)
<i>Halesia</i> (1)	<i>Mitriostigma</i> (1)	<i>Pseudotsuga</i> (1)	<i>Vicia</i> (1)
<i>Halimium</i> (2)	<i>Morus</i> (3)	<i>Psidium</i> (1)	<i>Viola</i> (3)
<i>Hamamelis</i> (9)	<i>Myrtus</i> (1)	<i>Pyracantha</i> (8)	<i>Vitex</i> (1)
<i>Hedera</i> (4)	<i>Nageia</i> (1)	<i>Pyrus</i> (4)	<i>Vitis</i> (5)
<i>Heliopsis</i> (3)	<i>Nepeta</i> (3)	<i>Quercus</i> (6)	<i>Weigela</i> (1)
<i>Hepatica</i> (1)	<i>Nothofagus</i> (1)	<i>Rhamnus</i> (4)	<i>X Citrofortunella</i> (1)
<i>Heuchera</i> (6)	<i>Nymphaea</i> (1)	<i>Rhus</i> (1)	<i>X Cuprocyparis</i> (6)
<i>Hibiscus</i> (4)	<i>Olea</i> (1)	<i>Rojasianthe</i> (1)	<i>X Phylliopsis</i> (2)
<i>Hippophae</i> (1)	<i>Olearia</i> (6)	<i>Rudbeckia</i> (3)	<i>Yucca</i> (1)
<i>Hoheria</i> (1)	<i>Origanum</i> (1)	<i>Ruta</i> (2)	

## Resistant plants

Previously, × *Cuprocyparis leylandii* (Leyland cypress) has been considered resistant, and is still considered relatively tolerant, to most *Phytophthora* species commonly occurring in UK gardens along with:

<i>Abelia</i> × <i>grandiflora</i>	<i>Carex</i>	<i>Gleditsia</i>	<i>Metasequoia</i>
<i>Betula nigra</i>	<i>Chimonanthus praecox</i>	<i>Iberis sempervirens</i>	<i>Trillium</i>
<i>Calycanthus</i>	<i>Echinacea purpurea</i>	<i>Liquidambar</i>	<i>Verbena</i>
<i>Canna</i>	<i>Ginkgo biloba</i>	<i>Mentha</i>	

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