

# Phytophthora ramorum – A Practical Guide for the Nursery Stock and Garden Centre Industry

## Disease Symptoms – Ornamental Plants

*Rhododendron* aerial dieback and petiole and leaf base necrosis (Inset)



*Rhododendron* leaf tip-midrib infection



Infection spreading into *Rhododendron* leaf



*Pieris* dieback and leaf necrosis and leaf blight (inset)



*Viburnum* dieback and leaf base necrosis



*Viburnum* wilting symptoms



*Kalmia* leaf blight



*Leucothoe* leaf necrosis



*Camellia* leaf blight



Lilac leaf blight



*Taxus* (yew) needle blight of young shoot



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## Disease Symptoms – Trees

Small discrete bleeding canker on the trunk of a mature beech tree



Extensive bleeding on the root flares of a mature beech tree



Stem lesions on *Nothofagus* sp (Southern beech)



Bleeding canker on *Quercus falcata* (Southern red oak)



*Fraxinus excelsior* (Ash) infected foliage



*Q.ilex* (holm oak) infected foliage



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