

Characterisation of European and American *Phytophthora ramorum* Isolates due to their Morphology and Mating Behaviour in Vitro with Heterothallic *Phytophthora* Species

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Vegetative growth rate, sporangia, chlamydospore and oospore size from 94 *P. ramorum* isolates were measured and the isolates were paired in vitro with four different heterothallic *Phytophthora* species isolated from infected nursery plants in Germany. *P. ramorum* isolates originated from different European countries and from Canada and the USA.

The morphological character of the isolates and the results of the mating studies with four different mating partners of type A1 and A2 will be presented. With the help of these data it was possible to separate at least two different groups of the studied *P. ramorum* population. Suggestions for a grouping will be discussed.