

First Report of *Pyracantha koidzumii* as a Host for *Phytophthora ramorum*¹

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Abstract

Phytophthora ramorum was confirmed for the first time in the new host plant *Pyracantha koidzumii* cv. "Victory" at the Centre for Plant Quarantine Pests at the Canadian Food Inspection Agency. *Pyracantha koidzumii*, known commonly as scarlet firethorn, is a perennial shrub in the family Rosaceae. It was found during an emergency action to screen all plants shipped into Canada from the Monrovia Nursery in Azusa, California, during the summer of 2004. Foliage was sampled at a nursery in British Columbia, Canada, and sent to our laboratory for official testing for *P. ramorum*. Tissue was plated onto PARP isolation medium and incubated for one week. Suspect mycelia were then plated onto five percent V-8 medium for morphological determination. Morphological identification was confirmed by PCR. The two original plants were shipped directly to the laboratory for confirmatory isolation. *P. ramorum* was then recovered and re-confirmed from one of the plants. Koch's postulates were conducted and confirmed that *P. koidzumii* was a susceptible host for *P. ramorum*.

Key words: Sudden oak death, *Phytophthora ramorum*, *Pyracantha koidzumii*

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