

Survival of *Phytophthora ramorum* in Tanoak and Rhododendron Leaves¹

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Abstract

Wild rhododendron and tanoak leaves inoculated with *Phytophthora ramorum* were placed in the field. Leaves were shaded or unshaded, and placed above ground or buried. Leaves were collected at intervals across two or three months. More than 90 percent of leaves were PCR positive. In the fall trial, 89 percent of buried leaves and less than 50 percent of surface leaves were culture positive for *P. ramorum*. In the summer trial, however, about 50 percent of buried leaves were culture positive and less than five percent of surface leaves were culture positive. Sporulation occurred on 32 percent of inoculated leaves that were culture positive.

Key words: soil, sporangia, chlamyospores

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