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Online outreach: *Phytophthora* training for nursery growers

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Phytophthora spp. cause some of the most important diseases of nursery crops nationwide. The quarantine pathogen *P. ramorum*, the cause of ramorum blight and sudden oak death, is of special concern. In partnership with the Oregon Department of Agriculture, we created an online course to teach growers how to reduce the incidence of *Phytophthora* diseases in their nurseries. This free, non-credit course includes three modules that focus on 1) biology, symptoms and diagnosis, 2) disease management, and 3) *Phytophthora ramorum*. Both English and Spanish language versions of the course are available. After completion of the course, nursery growers can take an optional online exam for a fee. If they pass the exam, they earn a certificate of mastery from Oregon State University Extended Campus and qualify for pesticide recertification credits. The course may be accessed at <http://ecampus.oregonstate.edu/phytophthora>. The development and efficacy of online training courses for grower education will be discussed.