

The resources below provide guidelines on Best Management Practices to help stop the spread of *P. ramorum* in the nursery industry.

[\*\*Phytophthora ramorum Nursery Industry Best Management Practices \(BMP\) Manual\*\*](#), as well as the [Spanish version](#)

Provided by the California Association of Nurseries and Garden Centers (CANGC), September 2008

This document offers voluntary Best Management Practices designed for growers and/or interstate shippers of host and associated host plants of *Phytophthora ramorum*. The target objective is to provide a uniform platform or template to assess your nursery operation and decide whether you have programs/processes in place that will detect or prevent the introduction of this plant pathogen into your operation. It also provides biosecurity guidelines created to assist nursery crop producers in developing an effective monitoring and action plan to reduce the risks associated with *P. ramorum*; pest prevention management and guidelines for training personnel to promptly recognize symptoms, conduct audits, trace plants, document procedures, interpret criteria for interstate shipping; and key definitions relating to *P. ramorum* in nurseries.

[\*\*Best Management Practices presentation\*\*](#)

Provided by California Department of Food and Agriculture, November 2010

The presentation provided here was presented throughout the fall of 2010 to nursery growers and regulators in California. Viewing this presentation is the first step in the process of creating a Best Management Practices plan in concert with CDFA. For further details on that procedure, [contact Kathy Kosta](#).

[\*\*Safe Procurement and Production Manual\*\*](#)

Provided by the Oregon Association of Nurseries, July 2011

This manual assists growers in developing a set of practices that emphasize prevention of pests. Growers who adopt these researched phytosanitary methods will have the ability to detect pest and disease problems when they arise, and respond rapidly.

[\*\*Oregon Grower Assisted Inspection Program \(GAIP\) template\*\*](#)

This document provides a template of a Grower Assisted Inspection Program (GAIP) mitigation manual between the State of Oregon's Department of Agriculture and the nursery cooperator (manager/proprietor). The Agreement specifies the terms and conditions that must be met by the Cooperator to participate in the Oregon GAIP administered by the Department.

[\*\*Considerations for Managing \*Phytophthora ramorum\* in Retail Nurseries\*\*](#)

Provided by the University of Washington Extension, June 2006

This two page document is for nursery professionals who own, manage, or work in nurseries that sell USDA regulated hosts of *P. ramorum*. Here you will find tips for considering best practices

with an emphasis on: moisture management, nursery layout and traffic, incoming plants, inspection of plants, sanitation and plant debris management, weed control and removal of established hosts, and record keeping.

[Managing \*Phytophthora\* disease in the nursery](#) - WSU Extension has provided photos and links on the four critical control points necessary to prevent the entry of waterborne diseases such as *Phytophthora* and *Pythium* into nursery production.

### [United States Nursery Certification Program Pilot](#)

This document establishes the requirements for the phytosanitary certification of plants produced in accordance with the United States Nursery Certification Program (USNCP) pilot for export trade in nursery plants to Canada in nursery plants. It also describes the responsibilities of APHIS and industry participants, in addition to describing requirements for approving, auditing and suspending facilities from the program.

### [A Systems Approach to Nursery Certification \(SANC\)](#)

The purpose of the Systems Approach to Nursery Certification (SANC) initiative is to develop, promote and implement a risk based nursery certification system utilizing existing state authorities and programs to enhance uniformity, increase efficiency, and reduce pest distribution threats. This National Plant Board group is developing training materials for nursery production based on best management practices (BMPs) and Critical Control Point (CCPs).

[\*P. ramorum\* Nursery Certification Program](#) - This website provides a quick overview of the Canadian program by the Canadian Nursery Landscape Association.

[Canadian \*P. ramorum\* Nursery Certification Program](#) - This document provides further details on Canada's certificate program, including steps to prevent the introduction and spread of *P. ramorum* in nurseries. (Updated June 2010)

### [Best Management Practices Guidelines for \*Phytophthora ramorum\* in the Landscape](#)

Provided by BC Landscape and Nursery Association, 2006

This is a working document to aid landscaping professionals in best practices management. The document provides landscape contractors with a tool that can help reduce their risk and liability, minimize the introduction of *P. ramorum* into the landscape, and reduce the spread and cross contamination of *P. ramorum* within and between sites.

### **Presentations and publications**

Jennifer Parke and Paul Fisher. February 2012. [Treating Irrigation Water](#). Digger. Oregon Association of Nurseries. Pp 41-45.

Shishkoff, N. 2009. Evaluating ornamentals as physical barriers between blocks of plants susceptible to *Phytophthora ramorum*, 2007-2008. [Plant Disease Management Reports 3:OT029](#)

[BMPs – Working Toward a Clean Stock Program](#) – Karen Suslow, Hines Horticulture, Inc. (2007) ([audio](#))

[Development of recommended Best Management Practices \(rBMPs\) for control of Phytophthora ramorum](#) - Marc Tefteau, American Nursery and Landscape Association (2006)