



Animal and Plant Health Inspection Service

Emergency and Domestic Programs – Program Update

Program: *Phytophthora ramorum*

Date: September 2011

APHIS *Phytophthora ramorum* Program 2011, 3rd Quarter Summary

Background and History:

The APHIS-PPQ *P. ramorum* regulatory program initiated with the First Interim Rule February 14, 2002, is now in its 9th year. Currently 14 counties in California and 162 square miles in Curry County, in Oregon are designated as quarantine areas for *P. ramorum* regulated articles. The remaining counties in California and Oregon, and the entire state of Washington are designated as regulated areas for inter-state shipment of nursery stock. **Presence of *P. ramorum* in the environment has not caused large-scale disease outbreaks in the forest landscape outside the currently quarantined areas in CA and OR.** The USDA *P. ramorum* quarantine program, in place since 2002, has been successful in limiting the pathogen's artificial spread into the environment beyond the currently quarantine areas. The *P. ramorum* program in consultation with stakeholders has funded and developed several survey and remediation protocols, outreach and training initiatives. These efforts have benefitted the nursery industry by assuring the commercial movement of disease-free plants. In addition, APHIS-PPQ has been working for the past one year with state regulatory officials, the National Plant Board leadership and the Nursery Industry to improve the current *P. ramorum* regulatory framework. **Between, January 1st to September 30th, 2011 *P. ramorum* was reported from 23 nurseries, 1 landscape and 1 residential site. Of the 23 nurseries, 14 were interstate shippers and 9 were retail establishments.**

Program Updates:

Trace investigations:

Sampling of host plants shipped from a positive online inter-state shipper from OR has resulted in confirmation of *P. ramorum* on *Rhododendron* sp. "Pronum" variety from a residential site in Connecticut. Trace forward investigations have been completed in several eastern and western region states and so far CT site was the only one positive. As per the information received from Oregon Department of Agriculture, the plants may have been in the destruction block. The variety "Pronum" was not sampled during the delimiting survey. Residential protocol has been completed Emergency Action Notification (EAN) lifted from the site on September 22nd.

Advance notification violation:

In July, APHIS Investigative Enforcement Services completed its investigation and documentation of violations of the advance notification FO by an online shipping nursery. APHIS will address violations of the Federal order in accordance with our rules and regulations. PPQ personnel in various states and regions have and will continue to provide

prompt assistance to the states as needed. Since March 1, 2011, compliance agreements with interstate shipping nurseries for certification surveys in CA, OR, and WA affected by the FO have been amended to include “compliance with the advance notification FO”.

Regulatory Framework:

In August, APHIS developed a concept paper to address several regulatory, commercial, and environmental issues, and shared the draft with stakeholders. This is a continuation of APHIS’ efforts to find ways to use its resources more strategically. The concept paper was also presented at National Plant Board meeting, held from August 7-11, in Denver, Colorado. Details of the discussions can be accessed from, http://www.aphis.usda.gov/plant_health/plant_pest_info/pram/index.shtml

On August 15, the Continental Dialogue on Non-native Forest Insects and Diseases organized a Webinar to assist with PPQ’s ongoing discussions with the stakeholders on the concept paper and obtain feedback. The status of the guidance document under development for addressing *P. ramorum* detections in wildlands was also discussed. The Webinar provided the stakeholders an opportunity to raise questions and discuss anticipated next steps.

The presentation can also be accessed <http://resolv.adobeconnect.com/p3zlqegfrdc/>; Power Point slides on http://www.continentalforestdialogue.org/events/pramorum/webinar/P_ramorum_Presentation.pdf.

All of these documents are archived online at the Continental Dialogue’s website at <http://www.continentalforestdialogue.org/events/pramorum/webinar/index.html>.

Comments or feedback can be emailed to Prakash Hebbar, *P. ramorum* National Program manager at Prakash.Hebbar@aphis.usda.gov.

Field Visits:

On July 12-14, APHIS Eastern and National Program Managers met regulatory officials and scientists at Clemson University involved with *P. ramorum* in South Carolina. During the three-day trip, APHIS and Department of Plant Industry managers and extension personnel visited a number of high risk nurseries and high risk areas vulnerable to *P. ramorum*. South Carolina Department of Plant Industry is collaborating with Clemson University, Department of Horticulture and APHIS PPQ to develop low cost mitigation methods for water run-off from positive nurseries into streams.

***P. ramorum* National Survey:**

As of September 8, the *P. ramorum* Farm Bill National Survey agreements for all 14 States are in place (AL, GA, IN, KY, MA, MI, NJ, NY, OH, RI, SC, TN, VA & WV). The total funding towards the survey work in the above states through the Farm bill funding is \$388,500

Nursery Detections to date (2000 – 2011 September)

Year	# Nurseries	# States	Notes
2000, and prior	Zero		There were no reported nursery detections prior to 2001
2001	One	California	In infested area
2002	Zero		
2003	20	3	CA, OR, WA
2004	176	21	125 linked to one nursery's shipments
2005	99	7	
2006	62	11	
2007	23	6	
2008	28	8	
2009	26	11	Also, 6 landscape detections in 4 states; Data 2009 , Dec 31st
2010	34	13	33 nurseries, and 1 greenhouse, 2 landscape detections.
2011 (Jan-Sept)	23	5	23 nursery detections, 1 residential, 1 landscape

Details of detections from January to September 2011:

Between, January 1st to September 31, 2011 *P. ramorum* has been reported from 23 nurseries in total, of which 14 were inter-state shippers and 9 non-interstate/retail establishments and 1 residential report as a result of a trace forward investigation.

Breakdown:

Regulated states: California: 11 nurseries, 1 landscape - 5 interstate, 6 non-interstate shippers; Oregon: 6 nurseries - 4 interstate, 2 non-interstate shippers; Washington State: 5 nurseries (all inter-state shippers)

Non-regulated States: South Carolina: 1 nursery (Non-interstate shipper), soil positive. Connecticut: 1detection in a residential landscape

P. ramorum was detected on the following plant species:

Statistics: *Camellia* 31%; *Rhododendron* 34%; *Pieris* 5%; *Viburnum* 5%; *Magnolia* 5%; *Osmanthus* 3.0%; *Gaultheria* 3.0% (same site); *Cinnamomum* 3.0%; Other (7) species 11%

New species: *Molinadendron sinaloense* (landscape detection in quarantine county, CA)

Positive Detections vs. Plant Species 2011 Jan – Sept 30 (*Trace detection)

Plant Species/Variety	State	County	Status	Date Confirmed
<i>Arctostaphylos uva-ursi</i>	WA	Snohomish	Regulated	5/27/11
<i>Berberis diversifolia</i> (to be confirmed)	WA	Snohomish	Regulated	6/29/11
<i>Camellia sasanqua</i> 'Jean May'	CA	Santa Clara	Quarantined	4/15/11
<i>Camellia sasanqua</i> 'Showa No Sakae'	CA	Santa Clara	Quarantined	4/15/11
* <i>Camellia sasanqua</i> 'Showa No Sakae'	CA	San Joaquin	Regulated	6/23/11
<i>Camellia sasanqua</i> 'Chansonette'	CA	Stanislaus	Regulated	4/18/11
<i>Camellia sasanqua</i> 'Hana Jiman'	CA	Santa Clara	Quarantined	5/3/11
<i>Camellia japonica</i> 'Red'	CA	Santa Clara	Quarantined	4/15/11
<i>Camellia japonica</i> - mixed	CA	Santa Clara	Quarantined	4/15/11
<i>Camellia japonica</i>	CA	Orange	Regulated	4/22/11
<i>Camellia japonica</i>	CA	Sacramento	Regulated	5/12/11
<i>Camellia japonica</i> 'Blood of China'	OR	Lane	Regulated	5/13/11
<i>Camellia japonica</i> 'April Tryst'	OR	Lane	Regulated	5/13/11
<i>Camellia japonica</i> 'April Tryst'	OR	Lane	Regulated	5/13/11
<i>Camellia japonica</i> 'Mathotiana'	CA	Sacramento	Regulated	5/18/11
<i>Camellia japonica</i> 'Debutante'	CA	Sacramento	Regulated	5/18/11
<i>Camellia</i> sp.	OR	Clackamas	Regulated	5/9/11
<i>Camellia</i> sp.	CA	Mendocino	Quarantined	6/9/11
<i>Camellia</i> sp.	CA	Stanislaus	Regulated	4/18/11
<i>Camellia</i> sp.	WA	King	Regulated	9/14/11
<i>Camellia</i> 'April Remembered'	OR	Clackamas	Regulated	5/25/11
<i>Cinnamomum camphora</i>	CA	Sacramento	Regulated	4/22/11
<i>Cinnamomum camphora</i>	CA	Sacramento	Regulated	7/7/11
<i>Gaultheria shallon</i>	WA	Snohomish	Regulated	5/27/11
<i>Gaultheria shallon</i> (second sampling)	WA	Snohomish	Regulated	6/29/11
<i>Laurus nobilis</i>	CA	Stanislaus	Regulated	5/18/11
<i>Magnolia grandifolia</i>	CA	Sacramento	Regulated	5/18/11
<i>Magnolia grandifolia</i>	CA	Stanislaus	Regulated	5/18/11
<i>Magnolia</i> sp.	CA	Stanislaus	Regulated	5/18/11
<i>Mahonia aquifolium</i>	WA	Snohomish	Regulated	5/27/11
<i>Molinadendron sinaloense</i>, (landscape)	CA	Alameda	Quarantined	8/1/2011
<i>Osmanthus heterophyllus</i>	CA	Stanislaus	Regulated	4/18/11
<i>Osmanthus</i> sp.	CA	Stanislaus	Regulated	4/18/11
<i>Pieris forrestii</i>	CA	San Joaquin	Regulated	5/3/11
<i>Pieris japonica</i> 'Forest Flame'	CA	Orange	Regulated	4/22/11
<i>Pieris</i> sp.	OR	Washington	Regulated	4/29/11
<i>Prunus laurocerasus</i>	CA	Stanislaus	Regulated	4/18/11
<i>Rhododendron</i> sp.	OR	Washington	Regulated	4/21/11
<i>Rhododendron</i> sp.	CA	Santa Cruz	Quarantined	5/3/11
<i>Rhododendron</i> sp.	OR	Clackamas	Regulated	5/9/11
<i>Rhododendron</i> sp.	OR	Clackamas	Regulated	5/9/11
<i>Rhododendron</i> sp.	OR	Lincoln	Regulated	5/13/11
<i>Rhododendron</i> sp.	OR	Lincoln	Regulated	5/13/11
<i>Rhododendron</i> sp.	OR	Lincoln	Regulated	5/13/11
<i>Rhododendron catawbiense</i> 'Balalaika'	OR	Clackamas	Regulated	5/9/11
<i>Rhododendron</i> 'Chinoides'	OR	Clackamas	Regulated	5/13/11
<i>Rhododendron</i> 'Chinoides'	OR	Clackamas	Regulated	5/13/11
<i>Rhododendron</i> 'Hellikii'	OR	Clackamas	Regulated	5/9/11
<i>Rhododendron</i> 'Dorothy Amateis'	OR	Washington	Regulated	4/29/11
<i>Rhododendron</i> 'PJM'	OR	Washington	Regulated	4/29/11

Plant Species/Variety	State	County	Status	Date Confirmed
<i>Rhododendron</i> sp.	OR	Washington	Regulated	4/29/11
<i>Rhododendron</i> sp.	OR	Polk	Regulated	5/5/11
<i>Rhododendron</i> sp.	OR	Clackamas	Regulated	5/25/11
<i>Rhododendron</i> 'Landmark'	OR	Lane	Regulated	5/25/11
<i>Rhododendron</i> sp.	OR	Lincoln	Regulated	5/27/11
* <i>Rhododendron</i> 'Pronum' Trace back to OR	CT	Residential	Non-Regulated	7/8/11
<i>Rhododendron</i> sp. 'Cunningham White'	WA	Snohomish	Regulated	9/14/11
<i>Rhododendron</i> sp.	WA	Snohomish	Regulated	8/24/11
<i>Rhododendron</i> 'Pohjolas daughter' Sampled	WA	Snohomish	Regulated	9/28/11
<i>Trachelospermum jasminoides</i>	CA	Sacramento	Regulated	5/18/11
<i>Viburnum tinus</i>	OR	Polk	Regulated	4/21/11
<i>Viburnum tinus</i> 'Spring Boquet'	OR	Clackamas	Regulated	5/9/11
<i>Viburnum plicatum</i>	OR	Clackamas	Regulated	5/25/11

Dated: Sept 31, 2011, Prakash K. Hebbar *Phytophthora ramorum* National Program Manager,
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www.aphis.usda.gov/plant_health/plant_pest_info/pram