



United States Department of Agriculture

**Animal and Plant Health Inspection Service**

Pest Management - Plant Health Programs – Program Update

Program:

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*Phytophthora ramorum* Date: December 31<sup>st</sup>, 2013

**APHIS *Phytophthora ramorum* Program 2013, 4<sup>th</sup> 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 11<sup>th</sup> year. Currently 14 counties in California and 202 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 disease outbreaks in the forest landscape outside the currently quarantined counties 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. Between, January 1<sup>st</sup> to December 31<sup>st</sup>, 2013 *P. ramorum* has been reported in 18 host nurseries located in three regulated states and one non-regulated state (NY). There were no new nursery detections in the last quarter of 2013. The positive nurseries were located in California (1), Oregon (10), Washington State (6) and New York State (1). Of the 18 positive nurseries, 14 were inter-state shippers and 4 retail establishments. Only 6 of the inter-state shippers had shipped in the previous (Jan-Dec, 2013) 12 months. So far, there have been no detections of *P. ramorum* on trace forward material in receiving states. There were three major trace investigations undertaken during 2013, to track plant shipments from 3 positive nurseries in Oregon. Two of the nurseries where the shipments originated from are on-line retail businesses. So far no positive plants have been detected at their destination.

**APHIS adds *Gaultheria procumbens* to the list of plant species regulated for *P. ramorum***

On October 23, 2013, through a Federal Order (DA-2013-41), APHIS added *G. procumbens* to the list of plant species regulated for *P. ramorum*. This action, effective November 27, 2013, was necessary to control the artificial spread of *P. ramorum* now that this plant species is associated with it. Nurseries that operate under a compliance agreement may continue to ship hosts and associated plants, including the newly listed plants. Regulatory officials, however, must properly inspect, sample, test, and place under a compliance agreement any other nurseries that contain these newly listed associated plants by November 27, 2013, to be able to move regulated plants interstate. APHIS currently regulates 136 hosts of *P. ramorum*. Details of the FO can be accessed through the link below.

[http://www.aphis.usda.gov/plant\\_health/plant\\_pest\\_info/pram/downloads/pdf\\_files/DA-2013-41.pdf](http://www.aphis.usda.gov/plant_health/plant_pest_info/pram/downloads/pdf_files/DA-2013-41.pdf)

**APHIS-PPQ and National Plant Board discuss revisions to the *P. ramorum* regulatory framework and associated protocols.**

On December 3-4, in Denver, CO, APHIS-PPQ and National Plant Board members discussed revisions to the *P. ramorum* regulatory framework and associated protocols. Since 2009, the United States Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine (PPQ) has worked closely with, State Departments of Agriculture, Nursery Industry and the National Plant Board to improve the U.S. *Phytophthora ramorum* regulatory framework. The goal of the *P. ramorum* program is prevent the pathogen movement into wild lands and natural forests through nursery stock and at the same time reduce costs and regulatory burden on nurseries and also safeguard both domestic trade and exports of host plants. To better deliver the program goals, several revisions were made to the *P. ramorum* regulatory framework using a risk-based approach and concepts developed after extensive consultation with the stakeholders.

The objectives of the meeting between APHIS and NPB was specifically to discuss survey, inspection, sampling, testing, response, mitigation and compliance protocols that will be required of regulated nurseries anywhere in the US under the proposed revisions to the *P. ramorum* regulatory framework. To accomplish this, APHIS requested the participation of NPB members, particularly subject matter experts who manage the compliance programs/inspections, in a workshop to discuss and formulate these new procedures. Briefly, highlights of the revisions would a) regulate nurseries for the presence of pathogen in nurseries (i.e., in plants, soil/media, water or associated articles, such as pots, etc.), b) regulate only positive inter-state shipping nurseries wherever they are located in the country, c) revisions would require positive nurseries to address CCPs via mitigations/BMP, revisions would retain the status-quo in the quarantine areas (all nurseries host and non-host, positive or negative for *P. ramorum* regulated). In addition to APHIS-PPQ, organizations that were represented at the meeting included, California Department Food and Agriculture, Oregon Department of Agriculture, Washington Department of Agriculture, Executive Secretary and the President of the National Plant Board, and members from the Southern Plant Board, Eastern Plant Board and the Central Plant Board.

**Program Updates: Nursery Detections to date (2000 – December 2013)**

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-Dec	23	5	23 nursery detections, 1 residential, 1 landscape
2012 Jan-Dec	33	8	33 Detections were in nurseries located in CA, OR, WA, NC, ME, NY, PA. IN and 3 Residential finds (ME, OR, CA)
2013 Jan-Dec	18	4	15 detections in CA (1), OR (10) and WA

			(6), NY (1). Detections were in 14 inter-state shippers and 4 retail, non-interstate shipping nurseries
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**Details of detections from January to December 31<sup>st</sup>, 2013:**

Between, January 1<sup>st</sup> to December 31<sup>st</sup>, 2013 *P. ramorum* has been reported in 18 host nurseries located in three regulated states and one non-regulated state (NY). The positive nurseries were located in California (1), Oregon (10), Washington State (6) and New York State (1). Most of the positive nurseries (16) located in the regulated counties, except one inter-state shipper located in a quarantined County (Santa Clara) in California. Of the 18 positive nurseries, 14 were inter-state shippers and 4 retail establishments. The interstate shippers were located in CA (1); OR (8), Washington (4) and NY (1). Only 6 of the inter-state shippers had actually shipped in the previous (Jan-Sept, 2013) 9 months. No host plants were shipped from the positive nursery in NY. So far, there have been no detections of *P. ramorum* on trace forward material in receiving states. There were three major trace investigations undertaken during May-Sept, 2013 to track plant shipments from 3 positive nurseries in Oregon. Two of the nurseries where the shipments originated from are on-line retail businesses. So far no positive plants have been detected at their destination.

***P. ramorum* detections in various Critical Control Points (plants, soil, water, cull pile, potting media): January to December 31<sup>st</sup>, 2013:**

**Plants:**

**High Risk Hosts:** *Camellia* (2); *Kalmia* (6); *Pieris* (6); *Rhododendron* (50); *Viburnum* (9)

**Associated hosts:** *Choisya* (1); *Gaultheria* (1); *Loropetalum* (2); *Magnolia* (1); *Parrotia* (1); *Trachelospermum* (1)

**Associated articles:**

Potting Media (1)

Soil Sample (4)

Water Sample (3)

Cull Pile Sample (1)

**Positive Detections 2013 January – December 31<sup>st</sup>, 2013**

<b>PLANT SPECIES/VARIETY</b>	<b>STATE</b>	<b>COUNTY</b>	<b>DATE CONFIRMED</b>
<i>Camellia</i> 'April Dawn'	OR	Clackamas (Regulated)	12-Apr-13
<i>Camellia</i> 'Rosehill Red'	OR	Clackamas (Regulated)	12-Apr-13
<i>Choisya ternata</i>	OR	Clackamas (Regulated)	19-Jun-13
Cull Pile Sample	OR	Clackamas (Regulated)	28-May-13
<i>Gaultheria shallon</i>	OR	Clackamas (Regulated)	12-Apr-13
<i>Kalmia latifolia</i> 'Sarah'	WA	King (Regulated)	5-Aug-13
<i>Kalmia latifolia</i> 'Bullseye'	WA	King (Regulated)	17-Jul-13
<i>Kalmia latifolia</i> 'Bullseye'	WA	Kitsap (Regulated)	28-Feb-13
<i>Kalmia latifolia</i> 'Elf & Pink Charm3'	WA	King (Regulated)	22-Aug-13
<i>Kalmia latifolia</i> 'Olympic Fire'	WA	King (Regulated)	10-Jul-13
<i>Kalmia</i> sp.	OR	Clackamas (Regulated)	3-May-13
<i>Loropetalum</i>	CA	Santa Clara (Quarantine)	18-Apr-13
<i>Loropetalum</i>	CA	Santa Clara (Quarantine)	21-May-13
<i>Magnolia grandiflora</i>	OR	Washington (Regulated)	26-Apr-13
<i>Parrotia persica</i>	OR	Clackamas (Regulated)	22-Aug-13
<i>Pieris japonica</i>	WA	Snohomish (Regulated)	20-Jun-13
<i>Pieris japonica</i> 'Forest Flame'	OR	Clackamas (Regulated)	12-Apr-13
<i>Pieris japonica</i> 'Forest Flame'	OR	Clackamas (Regulated)	12-Apr-13
<i>Pieris japonica</i> 'Forest Flame'	OR	Clackamas (Regulated)	12-Apr-13
<i>Pieris taiwanensis</i>	OR	Clackamas (Regulated)	19-Jun-13
<i>Pieris taiwanensis</i>	OR	Clackamas (Regulated)	19-Jun-13
Potting Media	OR	Washington (Regulated)	20-May-13
<i>Rhododendron</i> 'Anah Kruschke'	OR	Clackamas (Regulated)	12-Apr-13
<i>Rhododendron</i> 'Anah Kruschke'	OR	Washington (Regulated)	16-Apr-13
<i>Rhododendron</i> 'Anah Kruschke'	WA	Kitsap (Regulated)	28-Feb-13
<i>Rhododendron augustinii</i> 'Electra'	WA	Kitsap (Regulated)	15-Mar-13
<i>Rhododendron</i> 'Baden Baden'	OR	Clackamas (Regulated)	12-Apr-13
<i>Rhododendron</i> 'Baden Baden'	OR	Clackamas (Regulated)	12-Apr-13
<i>Rhododendron</i> 'Baden Baden'	OR	Clackamas (Regulated)	12-Apr-13
<i>Rhododendron</i> 'Baden Baden'	OR	Clackamas (Regulated)	16-May-13
<i>Rhododendron</i> 'Baden Baden'	OR	Clackamas (Regulated)	16-May-13
<i>Rhododendron</i> 'Baden Baden'	WA	King (Regulated)	2-Jul-13
<i>Rhododendron</i> 'Baden Baden'	WA	Kitsap (Regulated)	8-Mar-13
<i>Rhododendron bathyphyllum</i>	OR	Lane (Regulated)	23-May-13
<i>Rhododendron bathyphyllum</i>	OR	Lane (Regulated)	23-May-13
<i>Rhododendron</i> 'Blewbury'	OR	Lane (Regulated)	6-Jun-13
<i>Rhododendron</i> 'Boule de Neige'	OR	Clackamas (Regulated)	19-Jun-13

<b>PLANT SPECIES/VARIETY</b>	<b>STATE</b>	<b>COUNTY</b>	<b>DATE CONFIRMED</b>
<i>Rhododendron Catawbiense</i> 'Album'	NY	Suffolk County	27-Jun-13
<i>Rhododendron Catawbiense</i> 'Grandiflorum'	NY	Suffolk County	19-Jul-13
<i>Rhododendron</i> 'Cheer'	OR	Clackamas (Regulated)	12-Apr-13
<i>Rhododendron</i> 'Cheer'	OR	Clackamas (Regulated)	19-Jun-13
<i>Rhododendron</i> 'Cunningham's White'	OR	Clackamas (Regulated)	12-Apr-13
<i>Rhododendron</i> 'Cunningham's White'	OR	Clackamas (Regulated)	12-Apr-13
<i>Rhododendron</i> 'Daphnoides'	WA	Kitsap (Regulated)	15-Mar-13
<i>Rhododendron</i> 'Goldkrone'	OR	Lane (Regulated)	6-Jun-13
<i>Rhododendron</i> 'Janet Blair'	WA	King (Regulated)	17-Jul-13
<i>Rhododendron</i> 'Lee's Dark Purple'	WA	Kitsap (Regulated)	8-Mar-13
<i>Rhododendron</i> 'Nova Zembla'	NY	Suffolk County	27-Jun-13
<i>Rhododendron</i> 'Nova Zembla'	NY	Suffolk County	3-Jul-13
<i>Rhododendron</i> 'Nova Zembla'	NY	Suffolk County	19-Jul-13
<i>Rhododendron</i> 'Orange Leopard'	OR	Lane (Regulated)	23-May-13
<i>Rhododendron</i> 'PJM'	WA	Kitsap (Regulated)	8-Mar-13
<i>Rhododendron</i> 'PJM Regal'	WA	Snohomish (Regulated)	1-Jul-13
<i>Rhododendron</i> 'Pohjola's Daughter'	OR	Clackamas (Regulated)	16-May-13
<i>Rhododendron</i> 'Purple Passion'	WA	King (Regulated)	14-May-13
<i>Rhododendron</i> 'Raisa'	OR	Lane (Regulated)	6-Jun-13
<i>Rhododendron</i> 'Roseum Elegans'	NY	Suffolk County	26-Jun-13
<i>Rhododendron</i> sp.	OR	Clackamas (Regulated)	3-May-13
<i>Rhododendron</i> sp.	OR	Clackamas (Regulated)	16-May-13
<i>Rhododendron</i> sp.	OR	Clackamas (Regulated)	16-May-13
<i>Rhododendron</i> sp.	OR	Clackamas (Regulated)	16-May-13
<i>Rhododendron</i> sp.	OR	Clackamas (Regulated)	16-May-13
<i>Rhododendron</i> sp.	OR	Clackamas (Regulated)	19-Jun-13
<i>Rhododendron</i> sp.	OR	Lane (Regulated)	6-Jun-13
<i>Rhododendron</i> sp.	OR	Lane (Regulated)	6-Jun-13
<i>Rhododendron</i> sp.	OR	Lane (Regulated)	6-Jun-13
<i>Rhododendron</i> sp.	OR	Lane (Regulated)	6-Jun-13
<i>Rhododendron</i> 'Unique'	OR	Clackamas (Regulated)	16-May-13
<i>Rhododendron</i> 'Unique'	OR	Washington (Regulated)	25-Mar-13
<i>Rhododendron</i> 'Unique'	OR	Washington (Regulated)	25-Mar-13
<i>Rhododendron</i> 'Unique'	OR	Washington (Regulated)	16-Apr-13
<i>Rhododendron</i> 'Unique'	OR	Washington (Regulated)	3-May-13
Soil Sample	OR	Clackamas (Regulated)	4-Jun-13
Soil Sample	WA	King (Regulated)	16-Aug-13
Soil Sample	WA	Kitsap (Regulated)	11-Apr-13

PLANT SPECIES/VARIETY	STATE	COUNTY	DATE CONFIRMED
Soil Sample	WA	Kitsap (Regulated)	1-May-13
<i>Trachelospermum jasminoides</i>	OR	Clackamas (Regulated)	12-Apr-13
<i>Viburnum davidii</i>	WA	Snohomish (Regulated)	1-Jul-13
<i>Viburnum davidii</i>	WA	Snohomish (Regulated)	1-Jul-13
<i>Viburnum</i> sp.	OR	Josephine (Regulated)	31-May-13
<i>Viburnum tinus</i>	WA	King (Regulated)	5-Jul-13
<i>Viburnum tinus</i> 'Spring Bouquet'	WA	Snohomish (Regulated)	20-Jun-13
<i>Viburnum tinus</i> 'Spring Bouquet'	OR	Clackamas (Regulated)	12-Apr-13
<i>Viburnum tinus</i> 'Spring Bouquet'	WA	Thurston (Regulated)	21-May-13
<i>Viburnum tinus</i> 'Variegatum'	WA	King (Regulated)	21-Oct-2013
<i>Viburnum</i> 'Pink Dawn'	OR	Washington (Regulated)	30-Apr-13
Water Sample	WA	Kitsap (Regulated)	11-Jun-13
Water Sample	WA	Kitsap (Regulated)	19-Aug-13
Water Sample	WA	Kitsap (Regulated)	19-Aug-13

**Notes:** *Camellia* (2); *Choisya* (1); Cull Pile Sample (1); *Gaultheria* (1); *Kalmia* (6); *Loropetalum* (2); *Magnolia* (1); *Parrotia* (1); *Pieris* (6); Potting Media (1); *Rhododendron* (50); Soil Sample (4); *Trachelospermum* (1); *Viburnum* (9); Water Sample (3)

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[www.aphis.usda.gov/plant\\_health/plant\\_pest\\_info/pram](http://www.aphis.usda.gov/plant_health/plant_pest_info/pram)