

Grape Pest Quarantine and Nursery Certification in the Pacific Northwest (ID, OR, and WA)

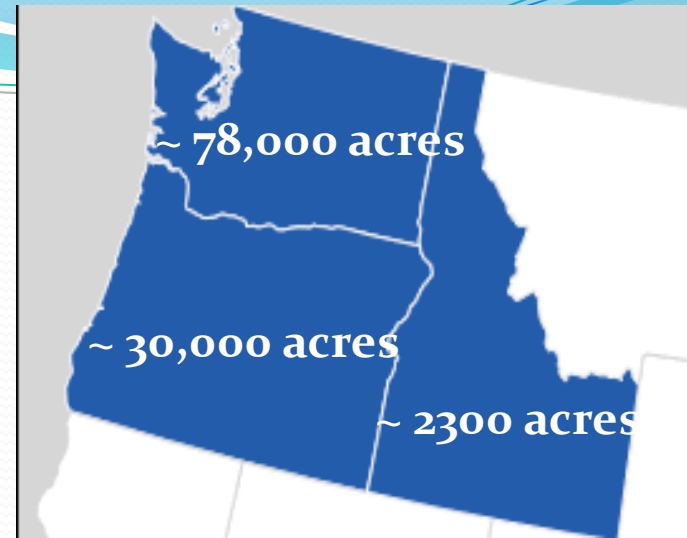


Objectives

- Compare quarantines and certification programs
- Design harmonized certification program and HARMONIZED GRAPE QUARANTINE PEST LIST in Pacific Northwest
- Develop draft regulations for harmonized grape quarantine pest list and REGIONAL GRAPEVINE CERTIFICATION PROGRAM

Pacific NW Grape Quarantines

- Grape acreage differs significantly among three PNW states
- Geographical proximity: similar pests



Phytoplasma / Virus / Viruslike	Idaho	Oregon	Washington
Grapevine fanleaf virus (GFLV)(Grapevine degeneration)	X	X	X
Grapevine leafroll associated viruses	X	X	X
Grapevine virus B (GVB)(Corky Bark)	X	X	X
Grapevine virus A (GVA)(Kober Stem Grooving)	X		X
Grapevine red blotch virus		X	
Bacteria			
Xylella fastidiosa (Bacterium causing Pierce's Disease)	X	X	X
Insects			
Daktulosphaira vitifoliae (Grape Phylloxera)	X	X	X
Planococcus ficus (Vine Mealybug)	X	X	X
Glassy Wing Sharpshooter	X	X	
European Grapevine Moth		X	
Other			
Grapevines from an approved Certified Program	X	X	X
Pre-Notification of Shipment	X	X	X

Harmonizing Quarantine Pests

- ID: add Grapevine red blotch virus and European grapevine moth
- OR: add Grapevine virus A and change names of pests (Grapevine A & B)
- WA: add European grapevine moth, Glassywinged sharpshooter and Grapevine red blotch virus

Grapevine Red Blotch Virus

- Not detected in OR and WA grapevine nurseries in certification program
- Reported in OR/WA vineyards, wouldn't want to require eradication
- OR industry wants to list as quarantine pest
- Detail distribution of GRBV in PNW states/wine growing areas unknown
- Alternatives considered
 - Control areas
 - Import only from certified sources

Grapevine Registration and Certification Programs in PNW



Grapevine Registration and Certification Programs in PNW

Washington

- Started in 1968
- Last revision 2014
- 5 nurseries

Oregon

- Started in 1970
- Last revision 1999
- 16 nurseries

Idaho

- Does not have certification program

Standards	OR	WA
Approved mother sources	X	X
Unique number assigned to registered plant		X
Site approval	X	X
Monitoring and inspection	X	X
Periodic testing of pathogens	X	X
Certification tags	X	X

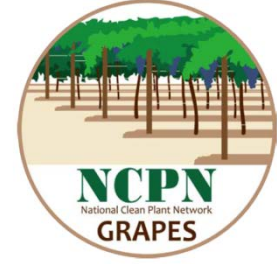
Grapevine Registration and Certification Standards

- General overview
- Definitions
- General requirements
- Requirements for registered blocks (G₂ or G₃)
 - Field condition
 - Containers
 - Tissue culture

Grapevine Registration and Certification Standards

- Requirements for registered planting stocks (G2 or G3)
- Requirements for certified planting stocks (G4)
- Procedures for inspection and testing
- Tagging and identity of certified grapevine stock
- Application for certification and fee

Grapevine Registration and Certification Standards

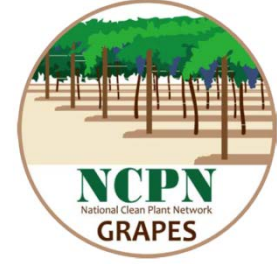


State Level Model Regulatory Standard

Registration & Certification Program for
Vitis
August, 2013

- Based on state level model regulatory standards
- Invited other state certification programs (CA and NY) in discussion
- Request reviews from subject matter specialists
 - (Cornell University, FPS, Oregon S University, USDA-ARS, Washington S University)

Grapevine Registration and Certification Standards



State Level Model Regulatory Standard

**Registration & Certification Program for
Vitis
August, 2013**

- Worked together with industry
 - (ID, CA, OR, and WA)
- Internal and external review
 - >10 times

Grapevine Registration and Certification Standards

PNW nurseries export to Canada

RSPM No. 35

Guidelines for the Movement of Stone and Pome Fruit Trees and Grapevines into a NAPPO Member Country

- Reviewed how NAPPO RSPM 35 can impact certification programs
- How state certification programs provide information to federal agencies to facilitate export

Highlights

- Volunteer program
- Nursery complies with rules and standards
- Nursery maintains documents related to sources of planting materials and nursery inventory
- Specific requirements for
 - Field condition
 - Containers
 - Tissue culture

Highlights

- Certified stock shall be inspected and tested
- Nursery maintains records identifying the G₁ sources of registered plants (G₂ or G₃)
- Nursery is responsible for cultivar trueness to type
- Follow best management practices

Pilot study identified gaps in OR

- Isolation distance: current vs proposed standards
- Unique number to registered plants

Certification program funding

- WA: based on assessment
- OR: working on different options

