

# Grapevine Nursery Stock Certification Program

*2023 Grape Day – Oregon Wine Research Institute  
April 4, 2023*



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## Presentation Overview



- Oregon Grapevine Quarantine
  - Visit [www.oda.direct/GrapeQuarantine](http://www.oda.direct/GrapeQuarantine) for most up-to-date information
- Grapevine Certification



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## Updating Oregon's Grapevine Quarantine

- Multi-year project to update grapevine quarantines and certification programs in the Pacific Northwest.
  - Idaho's quarantine update effective March 20, 2020
  - Washington's quarantine update effective February 12, 2021
  - Oregon's quarantine update effective April 1, 2021
- Industry requested stricter testing requirements for *Vitis* spp. material entering Oregon due to concerns about infected material and spread of disease.
- Move towards requirement for all *Vitis* spp. material entering Oregon to originate from a certification program.

More information available at [www.oda.direct/GrapeQuarantine](http://www.oda.direct/GrapeQuarantine)



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## Summary of Changes (OAR 603-052-0051)

- **Housekeeping Changes**
  - Updated disease name – Grapevine corky bark disease agent changed to *Grapevine virus A* and *Grapevine virus B*
  - Clarifies commodities and plant parts covered by quarantine
  - Updates references to other Oregon statutes and rules
- **Allows for shipment of field-grown bareroot plants without a permit**
  - Describes treatment and certification requirements
- **Adds *Xiphinema index* to quarantine**
- ***Xylella fastidiosa* Testing**
  - Simplifies sampling and testing requirements
  - Adds exemption for material from Xf-free areas
- **New Testing Requirements**
  - All non-certified *Vitis* for propagation must be derived from tested mother vines by September 1, 2021:
    - *Grapevine red blotch virus*
    - *Grapevine leafroll-associated virus 3*
- **Certification Program Origin**
  - Requires all *Vitis* for propagation to originate from an approved certification program by 2023
- ***Vitis* spp. seeds for sowing**
  - Originate from plants tested and found free of nepoviruses or from plants grown in areas known to be free from nepoviruses.
- **Phytosanitary Certificates**
  - Updates language to reflect new treatment and testing requirements established by the rule change.

Full summary handout available at [www.oda.direct/GrapeQuarantine](http://www.oda.direct/GrapeQuarantine)



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## Vine Mealybug Rules (no changes)

- *Vitis* spp. plants and plant parts intended for propagation (not including seeds):
  - "...must be treated with an approved insecticide effective against vine mealybug," OAR 603-052-0051(5)(b)
    - Any insecticide labeled for such use is considered approved by the department.
- Fruit, including wine grapes:
  - From a county known to be free of vine mealybug, or
  - From a vineyard that has been officially inspected and found free of vine mealybug, or
  - From a vineyard infested with vine mealybug:
    - Hand harvested and shipped in a covered/fully enclosed container, and
    - Pomace from pressing grapes must be treated prior before spreading in vineyards.

For ODA's latest VMB updates, visit  
<https://oda.direct/GrapeQuarantine>

Oregon State University  
 Extension Vine Mealybug  
 Resources

Scan the QR code or visit  
<https://heav.es/5t6>



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## Certification Program Requirement starting January 1, 2023

- All *Vitis* spp. plants and plant parts intended for planting or propagation, including cuttings, bare-root plants, and rooted plants entering Oregon, **starting in 2023**, must originate from a certification program approved by the Department.
  - California and Washington programs are approved.
- The certification program must, at a minimum, test for the following pathogens:
  - *Grapevine fanleaf virus*, *Grapevine leaf roll-associated viruses*, *Grapevine virus A*, *Grapevine virus B*, *Grapevine red blotch virus*, and *Xylella fastidiosa*.



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## Benefits of Certification

- Preventing or reducing the risk of spread of harmful pathogens
- Increased grower confidence in nursery plants
- Trade and market access



*Xylella fastidiosa* (Pierce's Disease) symptoms  
Source: Mississippi Extension



Source: NCPN Grapes



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## Certification Program Requirements

- Pre-approval of planting sites
- Approved sources for planting materials
- Planting sites requirements (screenhouse, containers, tissue culture, and field) based on G-level
- Testing requirements based on G-level and planting site
- Annual shipping list issued to participating nurseries
- Implementation of best management practices
- Isolation from non-certified or wild *Vitis* spp. and other virus hosts
- Twice annual inspections – at least one during period of active growth
- Recordkeeping and documentation
- Corrective measures to address non-compliances



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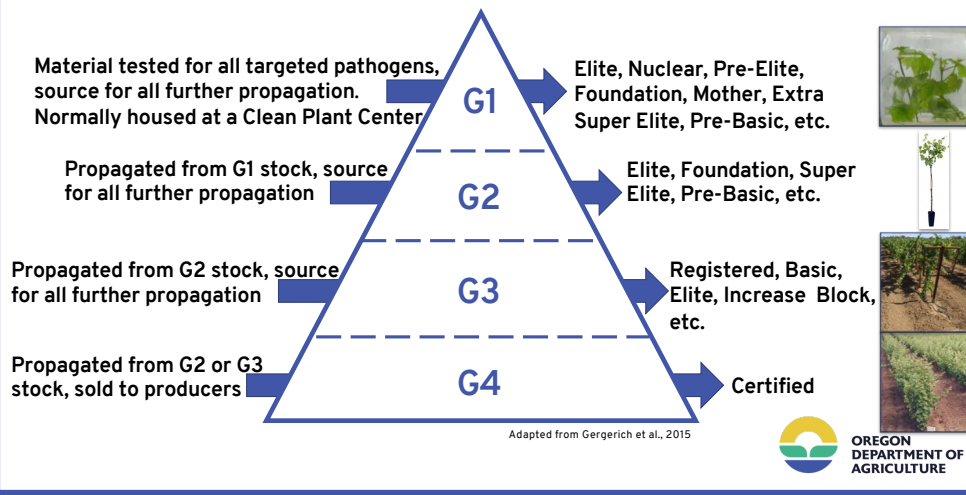
## Updating Oregon's Grapevine Certification Program

- OAR 603-051-0830 to 0850 – last updated in 1999
- Standards have been developed as part of the tri-state quarantine harmonization project
- Will modernize Oregon's program and bring it in line with California and Washington's programs
- Soft-launch of program in 2023
- Plan to undergo rulemaking in 2023 or 2024



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## Generation or “G” Levels



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## Certification Programs

Certified plant material has been subjected to a comprehensive process established, authorized, and performed by a state or other governmental entity to minimize the occurrence of regulated pests and diseases in planting stock.

State level certification focuses on testing for graft transmissible or systemic pathogens such as viruses.

### G1 material

- Maintained at Clean Plant Centers

### G2 and G3 registered plants

- At nurseries in approved sites
- Can be increased at approved sites
- Best management practices required

### G4 certified plants

- Sold to end consumer

State certification programs audit, monitor, and test G2, G3, and G4 blocks and nursery stock.

### National Clean Plant Network Centers

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## Oregon's Grapevine Certification Program

- Program began in 1970
- Updated in 1999
- 14 Nurseries in 2022
- 5 nurseries applied for 2023 – under new standards

oregonwine.org

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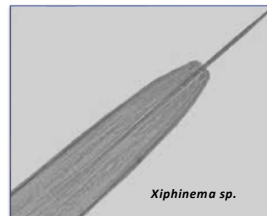
## Current Standards vs. Updated Standards

Standards	Current	Updated
Approved sources for registered materials	Yes	Yes, definition of approved has been clarified
Mother plants	Elite stocks and Registered stocks	G2 and G3
Registered block	Increase block	G2 and G3 blocks
Registration numbers	Yes	Yes
Planting sites	Field	Field, Containers, Screenhouse, Greenhouse, Tissue Culture
Best management practices	Yes	Yes, more detail and specific
Eligibility of field: Soil-borne diseases/pests	Implied	Mandatory for field-grown and soil; Exceptions: soil-less media and tissue culture
Field: isolation distance from uncertified or wild <i>Vitis</i> spp.	30 ft	100 ft
Broad-leaf weeds and other hosts	Implied	Details with buffer zone
Nursery inventory & map	Yes	Yes
Inspection	Yes (does not specify time or frequency)	G2 and G3: Twice per year G4: Once per year, during growing season
Mandatory testing for viruses	Implied	G2 and G3: Mandatory G4: symptomatic plants
Level one vs level two stock based on virus incidence	Yes	No
Certification tags	Yes	Yes
Record keeping and documentation	Yes	Yes

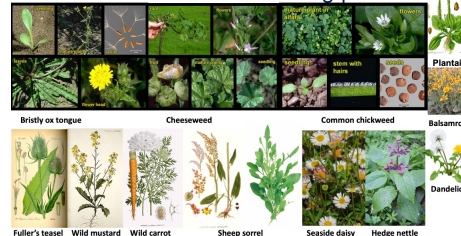
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## Planting Site Standards

Standards	Current	Updated
Planting sites	Field	Field, Containers, Screenhouse, Greenhouse, Tissue Culture
Eligibility of field: Soil-borne diseases/pests	Implied	Mandatory for field-grown and soil; Exceptions: soil-less media and tissue culture
Field: isolation distance from uncertified or wild <i>Vitis</i> spp.	30 ft for G2 and G3	G2 and G3: 100 ft G4: 30 ft
Broad-leaf weeds and other hosts	Implied	30 ft



Common weed hosts of Tomato ringspot virus



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## Inspection, Sampling, and Testing Standards

Standards	Current	Updated
Inspection	Yes (does not specify time or frequency)	G2 and G3: Twice per year G4: Once per year, during growing season
Mandatory testing for viruses	Implied	G2 and G3: Mandatory G4: symptomatic plants
Sampling plan	Not described	G2 and G3 (field or containers): Symptomatic cultivars: 95% confidence/5% detection level (ISPM 31) Asymptomatic cultivars: 5-year cycle (20% each year) G2 and G3 (screenhouse or tissue culture): 5-year cycle (20% each year)



Grapevine red blotch virus symptoms  
Source: Bob Martin, USDA ARS



*Xylella fastidiosa* (Pierce's Disease) symptoms  
Source: Mississippi Extension



Leaf roll-associated virus symptoms  
Source: Jay Pscheidt, OSU



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## Documentation Standards

Standards	Current	Updated
Approved sources for registered materials	Yes	Yes; Approved Clean Plant Center (CPC) sources: Clean Plant Center Northwest Foundation Plant Services
Tags	Yes	Yes Registration tags for G2 and G3 plants Certified tags for G4 plants
Record keeping and documentation	Yes	Yes
Nursery inventory & map	Yes	Yes

G1 ← G2 ← G3 ← G4 Allows for trace-back of any plant to G1 origin



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## Nursery Audit, Inspection, and Testing

### • Registered sites and plants (G2 and G3)

- Inspection:
  - Twice per year
  - Spring and late summer/early fall
  - All plants inspected
- Sample collection and testing:
  - Late summer

### • Certified sites and plants (G4)

- Inspection:
  - At least once per year
  - Summer
  - Inspection at the lot level
- Sample collection and testing:
  - Symptomatic plants only



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*Protect. Promote. Prosper.*

**Grapevine Certified Nursery Stock Program**  
**Audit and Inspection Form**  
635 Capitol Street NE Salem, OR 97301  
503.986.4620 | [oda.direct/PlantHealth](http://oda.direct/PlantHealth)

#### Inspection Summary

- Documentation related to certification and planting sites must be audited and inspected at least once a year as per the Grapevine Certified Nursery Stock Program's standards.
- Registered and certified nursery stocks in Grapevine Certified Nursery Stock Program and their buffer areas must be inspected at least twice annually during the early (spring) and late growing season (late summer or early fall) for the incidence and severity of grapevine pests and diseases.
- Any non-compliance issue must be documented and further investigated and resolved working together with the nursery.

Inspection of Pests, Diseases, and Best Management Practices						
Observation	Site	Site	Site	Site	Site	Site
	G1 level	G2 level	G3 level	G4 level	G5 level	G6 level
Insects						
Aphididae						
Leafhopper						
Mites						
Thrips						
Other						
Fungal diseases						
Powdery mildew						
Black rot						
Young vine decline						
Cane cancer						
Leaf scorch						
Other						
Bacterial diseases						
Cane gall						
Leaf blight						
Leaf scorch						
Viral diseases						
All virus like symptoms						
Virus necrosis						
Bacterial necrosis						
Non-certified grapes and other						
Bacterial necrosis in a buffer area						
Non-certified grapes and other						
Bacterial necrosis in a buffer area						
Any other non-compliance issues						

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## Shipping List of Certified Cultivars

- Updated annually
- Issued based on previous year's inspection and testing
- Shipping list is for certified (G4) plants
- Not for registered (G2/G3) plants



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503.986.4620 | [oda.direct/PlantHealth](http://oda.direct/PlantHealth)

#### Oregon Certified Nursery Stock

The attached nursery stock is maintained and produced following the Oregon Certified Nursery Stock Program, a system-based approach to produce certified nursery stock, in compliance with requirements of ORS 571.015.



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Feb 1, 202X  
From: Dipak Poudyal, PhD  
Plant Health Virus Certification Program Lead  
Plant Health Program

#### OREGON CERTIFIED NURSERY STOCKS AVAILABLE FOR SHIPMENT

GRAPEVINE NURSERY, Salem, Oregon has participated in the Oregon Grapevine Certified Nursery Stock Program and meet the program's requirements and regulations for the following certified nursery stocks. These grapevine (Vitis spp.) nursery stocks are eligible for Oregon Certification tags and shipment as of this date.

Beta	Himrod	Reliance Seedless
Bluebell	Kay Grey	Seyval Blanc
Canadice	La Crescent	ST Croix
Concord 9-33	Marechal	ST Theresa
Concord Seedless	Marquette	Summerset
Edelweiss	Osceola Muscat	Swenson Red
Frontenac Gris	Petite Jewel	Valiant



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## Program Administration

Standards	Current	Updated
Annual Application	N/A	Yes January 31 <sup>st</sup> deadline
Program Fees	N/A	Application fee: \$50 Registered plant fee Testing fees (cost recovery)

Final fee structure is still to be determined – will be a combination of an application fee, administrative fees per registered plants, and fees to cover sampling and testing.



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## Certification Program Process for 2022-2023

### 2022

- September 20<sup>th</sup> – Certification Program Meeting
- November 30<sup>th</sup> – Application packages sent out

### 2023

- March 31<sup>st</sup>– Applications due back to ODA
- April – ODA review of applications
- May-June – Spring inspections of registered sites (G2 and G3)
- June-July – Summer inspections of G4 certified sites and plants
- August-September – Sampling and second inspections of registered sites (G2 and G3)
- November – Annual meeting
- December – Issuance of Shipping Lists

Grapevine Certified Nursery Stock Program  
Plant Health Program (2022) 988-4622  
635 Capitol Street NE Salem, OR 97301



### Application for the Oregon Grapevine Certified Nursery Stock Program

The Oregon Department of Agriculture (ODA) is authorized under Oregon Revised Statute (ORS) §71.015 (b) to establish certification standards for nursery stock. The Grapevine Certified Nursery Stock Program includes the certification of commercially grown Vitis spp. including a rooted grape plant, rootstock, scion, and other intermediate source vine for nursery stocks.




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2022 OREGON CERTIFIED NURSERY STOCK  
PROGRAM HANDBOOK



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## Questions? Please Contact Us

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