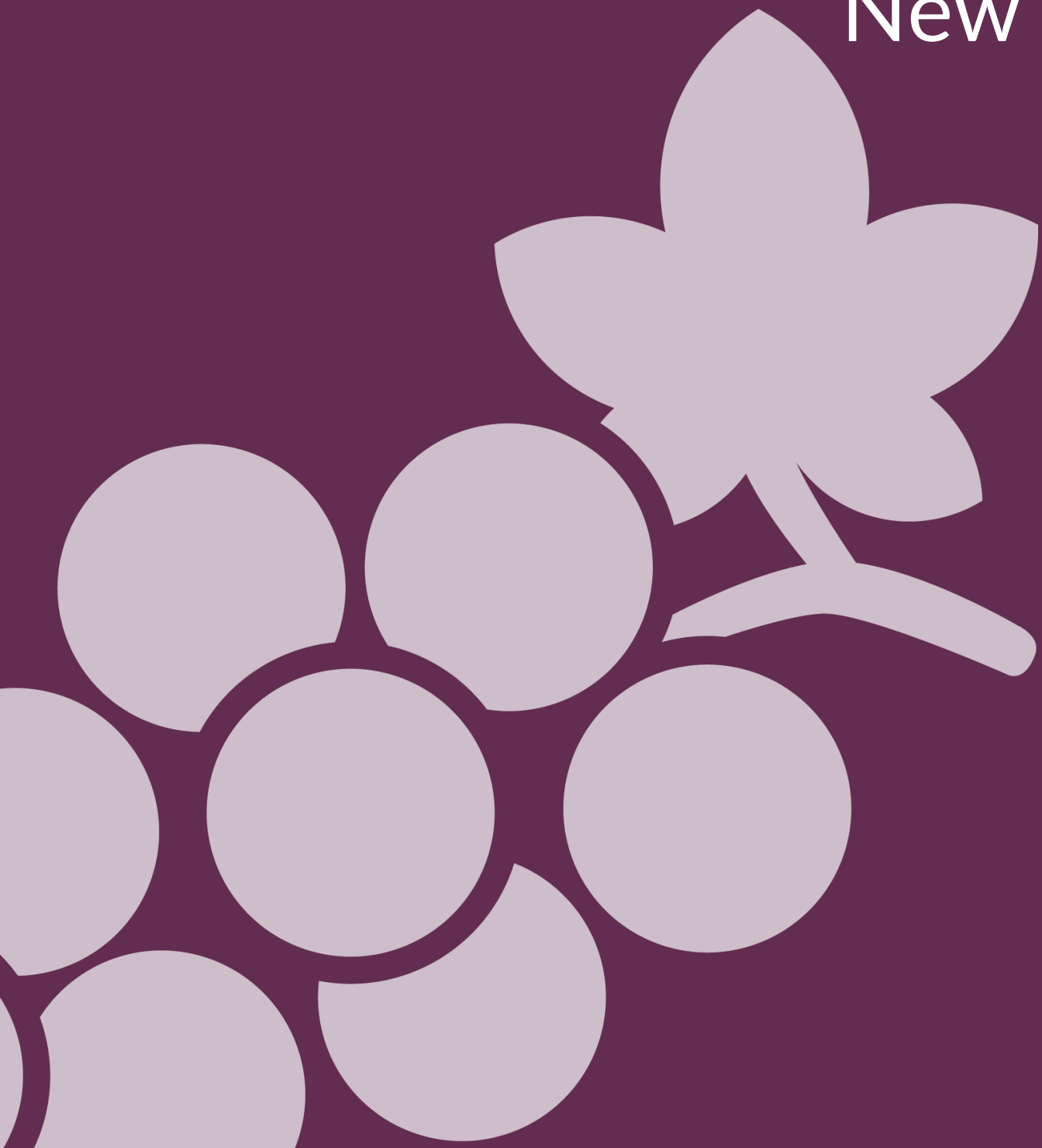


# GRN 1 Grape Rootstock

New Generation Grape Rootstock



**Global Plant  
Genetics Ltd<sup>®</sup>**


Where Quality Breeds Success

[www.globalplantgenetics.com](http://www.globalplantgenetics.com)



2022

# GRN 1 GRAPE ROOTSTOCK BENEFITS

 **Unparalleled breadth and strength of nematode resistance**

 **Highly Phylloxera resistant**

The Importance of Resistance -

Nematodes are microscopic, unsegmented roundworms present in most soils and which feed on vine roots. They affect the plants in two ways. By directly feeding on the roots they reduce the vines resilience and weaken its ability to cope with other stresses such a drought or salinity. The wounds created by the feeding action can also allow soil diseases to penetrate the root system. They are also critical vectors of some major vine viruses, dagger nematode "Xiphinema index" is the main vector of grape fanleaf virus which causes yield losses of up to 80% and considerably reduces grape quality. Historically managed by soil fumigation, vineyards are increasingly exposed to the impact of nematodes as agrochemical control options are withdrawn from the EU market.

 Deep rooting profile and drought tolerant

 Low to moderate vigour

Focused Breeding -

GRN 1 has an unparalleled nematode resistance profile with control of ring nematode alongside root-knot, dagger, citrus and lesion nematodes. This profile and strength of resistance makes GRN 1 particularly suited for replanting or where fumigation is not available. Released from the UC Davis rootstock breeding program, GRN 1 is the result of a 25 year selection process and provides growers with broad genetic resistance to a range of nematode species as well as high level resistance to Phylloxera. GRN1 has a relatively deep rooting profile, giving drought tolerance with low to moderate vigour, and will likely suit warmer climates. It is potentially adaptable to all grape cultivars and has proven easy to graft, given selection of well matured cuttings and extended rooting time.





# GRN 1 GRAPE ROOTSTOCK IN ACTION



[Click to play video](#)

GPG

# GRN 1 GRAPE ROOTSTOCK OVERVIEW



## Vigour

Low to moderate

## Rooting

Medium to Deep

## Genetics

Vitis.rupestris x  
M.rotundifolia  
'Coward'

## Climate

Warmer Climates

## Grafting

Use mature canes and  
increased rooting time

## Drought tolerance

Moderate



GPG

# GRN 1 GRAPE ROOTSTOCK OVERVIEW



## Market

 Especially suitable for sites where soil sterilisation is no longer an option

 Performs at its best in warmer climates

## Nematode Resistance

<b>Root-Knot Nematode</b>	<b>M. Incognita Race 3 + Harmony A, Harmony C</b>	<b>R</b>
<b>Dagger Nematode</b>	<b>Xiphinema Index</b>	<b>R</b>
<b>Ring Nematode</b>	<b>Mesocriconema xenoplax</b>	<b>S</b>
<b>Citrus Nematode</b>	<b>Tylenchulus semipenetrans</b>	<b>R</b>
<b>Lesion Nematode</b>	<b>Pratylenchus vulnus</b>	<b>MR</b>
<b>Pin Nematode</b>	<b>Paratylenchus hamatus</b>	<b>MR</b>

R - Resistant  
MR - Moderate Resistance  
S - Susceptible

## Offer

 Plant material will be available from leading nurseries throughout Europe





# GRN 1 GRAPE ROOTSTOCK REVIEW

“GRN1 offers growers a valuable solution to loss of soil sterilants and increased vineyard nematode levels, we're excited to be working with Global Plant Genetics in bringing this rootstock to the European market”

Javier Provedo, Viveros Provedo

# PARTNERS

GRN1 is being developed with the following partners -



Pépinieriste viticole expert

[www.pepinieres-mercier.com](http://www.pepinieres-mercier.com)



[www.provedo.com](http://www.provedo.com)

If you are located in other territories and are interested in the GRN 1 Grape Rootstock plants please make contact with us for more information.



GPG Grapes



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# CONTACT US



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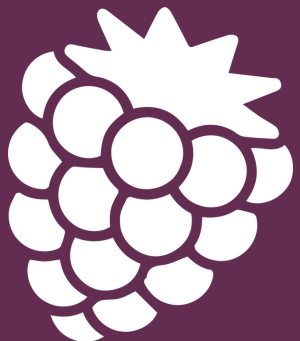
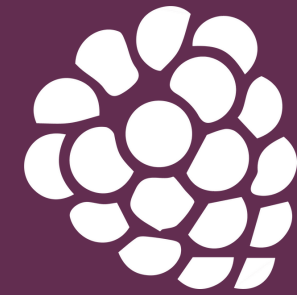
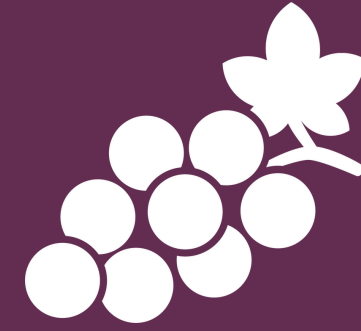
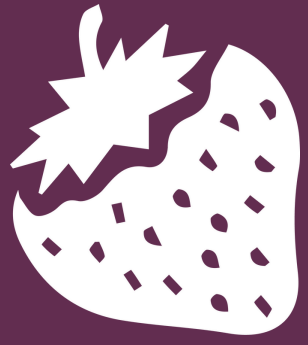
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