

GRN 3 Grape Rootstock

New Generation Grape Rootstock



**Global Plant
Genetics Ltd[®]**

Where Quality Breeds Success

www.globalplantgenetics.com



2022

GRN 3 GRAPE ROOTSTOCK BENEFITS

 **Broad and robust nematode resistance**

 **Highly Phylloxera resistant**

 **Easy grafting**

 **Medium vigour**

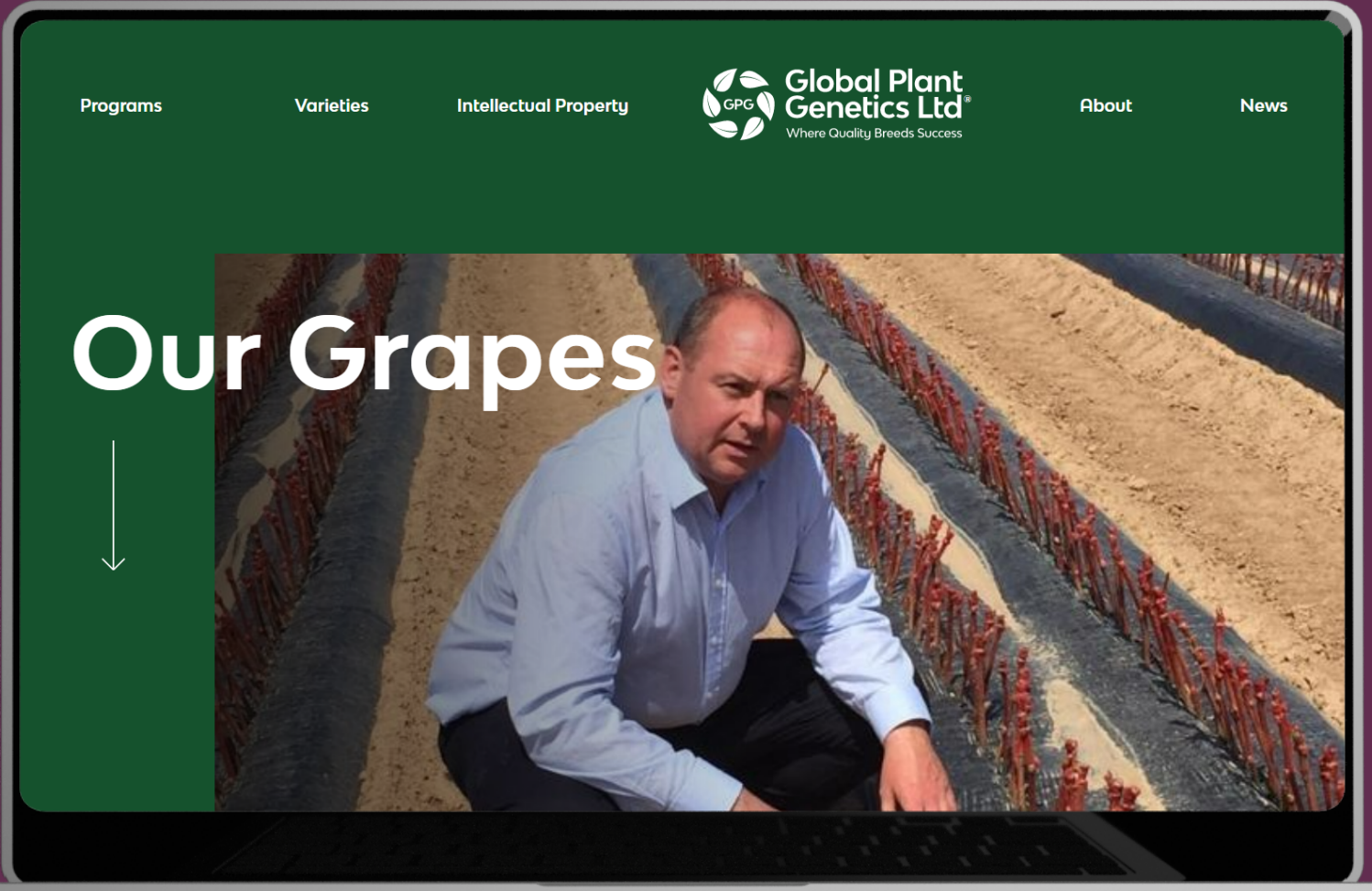
The Importance of Resistance -

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 can also allow disease to penetrate the root system. In addition dagger nematode "Xiphinema index" is the 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 effective agrochemical control options are limited.

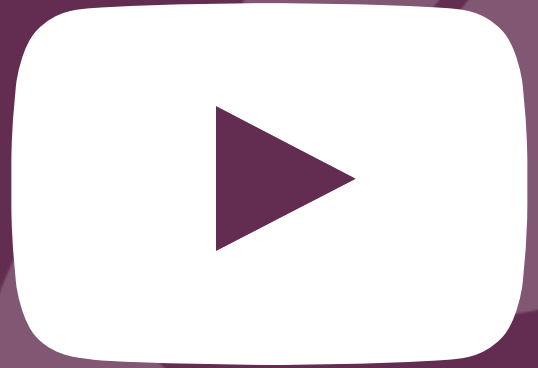
Focused Breeding -

GRN 3 has a broad and robust resistance profile covering root-knot, dagger, citrus and lesion nematodes as well as full Phylloxera resistance. It's a medium vigour rootstock with V.Riparia in its genetic base it is suitable for a wide climatic range. This adaptability to climate and moderate vigour makes it a flexible choice. It is potentially adaptable to all grape cultivars a easy to graft. GRN 3 has a moderately vigorous mothervine producing long straight canes with good internode length.





GRN 3 GRAPE ROOTSTOCK IN ACTION



[Click to play video](#)

GPG

GRN 1 GRAPE ROOTSTOCK OVERVIEW



Genetics

(*Vitis.rufotomentosa* x
(Dog Ridge x Riparia
Gloire)) x
Vitis.champinii c9038'

Vigour
Medium

Rooting
Medium

Grafting
Easy Grafting

Climate
Broad Adaptability

Drought
tolerance
Moderate

GPG

GRN 3 GRAPE ROOTSTOCK OVERVIEW

Market

- 🍇 Flexible choice for a range of climates
- 🍇 Provides an excellent combination of vigour and nematode resistance for all new plantings

Nematode Resistance

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

R - Resistant
MR - Moderate Resistance
S - Susceptible

Offer

- 🍇 Plant material will be available from leading nurseries throughout Europe





GRN 3 GRAPE ROOTSTOCK REVIEW

"While fumigation can have short term affects on nematode populations those numbers will build in a relatively short time frame and will have negative affects on growth if using susceptible rootstocks. The only way to insure the long term health of a vineyard planted in nematode infested soils is to utilize rootstocks that have broad tolerance to nematodes. If one does not do this, in short time the vine roots will be heavily fed upon which will have a stressful cascade of negative affects on vine growth, thus making it more susceptible to a host of vine pathogens."

Jeff Wheeler - Novavine

PARTNERS

GRN 3 is being developed with the following partners -



www.pepinieres-mercier.com



www.provedo.com

If you are located in other territories and are interested in the GRN 3 Grape Rootstock plants please make contact with us for more information.



GPG Grapes



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CONTACT US



Claire Donkin

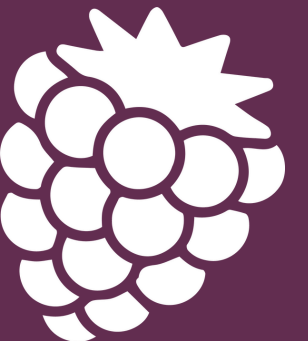
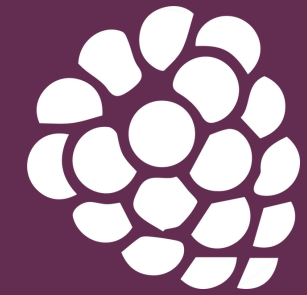
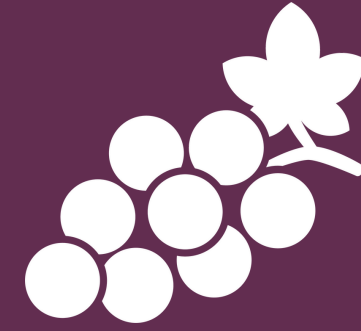
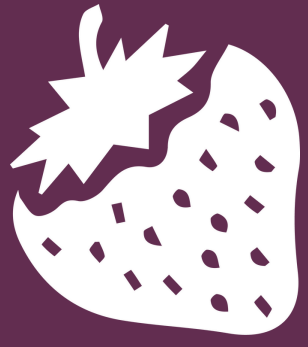
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