

SELECTED GRAPEVINE ROOTSTOCK CHARACTERISTICS

11-Nov-00

Rootstock	Parentage	Influence on Vigor	Phyloxera Resistance	General Root Knot Resistance	Ring Nematode Tolerance	Root lesion Tolerance	Xiphinema index Tolerance	Xiphinema americanum Tolerance	Citrus Nematode Tolerance	Phytophthora Tolerance	Crown Gall Tolerance	Waterlogged Soil Tolerance	Drought Tolerance	Salinity Tolerance	Acid Soil Tolerance	Alkaline Soil Tolerance	Serpentine Soil Tolerance	Ease of Rooting	Other Weaknesses	Other Strengths
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)		(17)		
Riparia Gloire	riparia	(Mod low)	Very high	(Low)		(Moderate)				(Low)		High	(Low)	(Moderate)	(Low)	(Very low)	High	Good	Fruit set	Loose clusters
St. George	rupestris	Mod to high	High	(Low)								Low	(High)	(Moderate)	(Low)	(Moderate)	Low	Poor	Zinc def.	Sandy soil
Constantina	rupestris				Low	High	High	Moderate	Low	(High)	(Low)	(Low)	(High)	(High)	(Moderate)	(Moderate)	Low	Poor	Zinc def.	Sandy soil
Salt Creek	champinii	High to very high	High	High	Low	Low	Mod high	High	Low			(Moderate)	(Mod low)	(Mod to high)	(Moderate)	(Moderate)	Low	Good		
Dogridge	champinii		High	(Low)		(Low)	(Low)	Moderate	Low	(Low)		High	(Low)	(Low)	(Moderate)	(Moderate)		Good	Latent viruses	
3306	riparia x rupestris	Mod to high	High	(Low)	Low	Moderate	Moderate	Moderate	Low		High	Mod High	(Low)	(Low)	(Low)	(Low)	Low	Good		
3309	riparia x rupestris	Mod to high	Very high	Low		(Moderate)	(Moderate)	Moderate	Low	(Moderate)	(High)	(Moderate)	(Moderate)	(High)	(Low)	(Low)	Low	Good		
101-14 Mgt	riparia x rupestris	Mod to high	(High)	(Mod high)		Low	High	Mod high	Low			High	(Moderate)		(Moderate)	(Moderate)		Good		
Schwarzmann	riparia x rupestris	Moderate		Low	Moderate	Moderate	High	Mod high	Low			(Moderate)	(Moderate)		(Low)	(Low)	Mod low	Good		
44-53 Malague	riparia x (cordifolia x rupestris)	Mod to high		Low		Low	Moderate	Moderate	Moderate	(Low)		(Moderate)	(High)	(Moderate)	(Very high)	(Mod low)		(Moderate)		
99R	berlandieri x rupestris	Mod to high	High	Low	Moderate	Low	Moderate	Moderate	Moderate	(Moderate)	(Low)	Low	(High)	(Low to mod)	(High)	(Mod low)	Moderate	Moderate		
110R	berlandieri x rupestris	Mod to high	High	(Low)		(Low)	(Low)			(Moderate)	(Low)	Low	(High)	(Mod to high)	(Very high)	(Moderate)	Mod low	Moderate		
140 Ruggeri	berlandieri x rupestris	High	(High)	(Mod Low)		(High)	(Low)			(Moderate)	(Low)	(Low)	(High)	(Mod to high)	(Very high)	(Moderate)	Moderate	Moderate		
775 Paulsen	berlandieri x rupestris			(High)			(Low)				(Low)		(Moderate)	(Mod to high)		(Moderate)	High			
779 Paulsen	berlandieri x rupestris			(High)						(Low)	(Mod low)	Low	(High)	(Moderate)	(Moderate)	(Mod low)		Moderate		
1103 Paulsen	berlandieri x rupestris	Mod to high	High	(High)						(Low)	(Mod low)	Low	(High)	(Moderate)	(Moderate)	(Mod low)		Moderate		
SO4	berlandieri x riparia	Mod to high	Very high	Moderate	Moderate	Low	High	Moderate	Low	(Low)	High	(Moderate)	(Mod high)	(Low)	(Low)	(Mod low)		(Moderate)		
5A	berlandieri x riparia	(Mod to high)		(Moderate)									(High)			(Mod low)	Mod low	Very good	Latent viruses	
5BR	berlandieri x riparia	Mod to high	Very high	(Moderate)							High		(High)			(Mod low)	Low	Very good		
5C	berlandieri x riparia	Mod to high	Very high	Moderate	Moderate	Low	High	Moderate	Low		Low		Low			(Moderate)		Very good		
8B	berlandieri x riparia										High		(Mod high)			(Moderate)				
161-49 C	berlandieri x riparia	(Moderate)		(Mod low)									(High)			(Moderate)				
125AA	berlandieri x riparia			(Moderate)							(High)		(High)			(Moderate)				
420A Mgt	berlandieri x riparia	Low to mod	High	(Mod low)		(Low)				(Low)		(Low)	(Mod low)	(Low)		(Mod low)	Low	(Moderate)		
225 Ruggeri	berlandieri x riparia																			
Cosmo 2	berlandieri x riparia																			
Cosmo 10	berlandieri x riparia																			
Boerner	riparia x cinerea			(Mod high)																
41B	vinifera x berlandieri	(Mod to high)		(Low)								(Low)	(Low)	(Low)	(Low)	(High)	Low	(Poor)		
333EM	vinifera x berlandieri	(Low to mod low)	(Moderate)	(Low)							(Mod low)	(Low)	(Mod high)	(Low)	(Low)	(High)	Low	(Poor)		
AxR#1	vinifera x rupestris	Mod high to high	Low	(Low)		(Low)	(Low)				(Mod low)		(Moderate)	(Low)	(Moderate)	(Low)		(Good)		
1202	vinifera x rupestris	Mod high to high	Low	(Low)		(Low)	(Low)				(Mod low)		(Moderate)	(Moderate)	(Moderate)	(Moderate)		(Good)		
1045 Paulsen	berlandieri x AxR#1	(High)		(Mod high)		(Low)	(Low)			(Low)		(Moderate)	(High)	(High)		(Moderate)	Low	(Good)		
1616	solonis x riparia	Moderate	High	(High)		(Low)	(Low)					High	(Moderate)			(Mod low)		(Good)		
1613	solonis x Othello (lab x rip x vin)	Moderate	Very high	Moderate	Low	Moderate	High	Moderate	Low		(High)	High	(Moderate)	(Low)	(Moderate)	(Low)	High	(Good)		
Harmony	1613 x Dogridge	Mod to high	Low	Moderate	Mod high	Moderate	Mod high	Moderate	Low		(High)	High	(Moderate)	(Moderate)	(Moderate)	(Moderate)	Low	(Good)	Latent viruses	Sandy soils
Freedom	1613 x Dogridge	Mod to very high	Very high	High	Moderate	Moderate	High	High	Low				(Moderate)	(High)		(Very high)		(Good)		
Fercal	(bert. x vin.) x 333EM	(Moderate)		(Mod low)																
171-6	rufotomentosa x vinifera		High	Low		Low	High		Low									Very poor	Sandy soils	Fanleaf virus
039-16	vinifera x rotundifolia	High	Very high	Low		Low	High	High	Low				(High)					(Good)		
K51-32	champinii x riparia	(High)		Moderate	Low	High	High	Moderate	Low											