

Name / Genetics		Inherent characteristics					Plant Parasite Tolerance			Abiotic Tolerance				General Comments
Rootstock Shortname	Rootstock	Parentage	Vigor	Rooting Depth	Soil Preference	Influence on ripening	Phylloxera	(Dagger nematode)	Root-knot nematode	Drought	Wet Soil	Active Lime	Salinity	
RG	Riparia Gloire / Gloire de Montpellier	V. riparia	Low	Shallow	Deep, Fertile	Advances	High	Low/Moderate	Low	Low	Moderate	Low <6%	Medium	May induce overbearing. Poor selection for hot/ dry soils
3309C	3309 Couderc	V. riparia x V. rupestris	Low/Moderate	Moderate	Deep Well Drained	Mid	High	Low	Low	Low/Moderate	Moderate	Low/Moderate 11%	Low/Moderate	Shows up latent viruses. Good cold tolerance. poor choice for any replant because of lack of nematode resistance
101-14	101-14 Millardet Et De Grasset	V. riparia x V. rupestris	Low/Moderate	Moderate	Deep/Fertile	Advances	High historically /recent failiures noted on clay	Low	Moderate/High	Low/Moderate	Moderate/High	Low/Moderate 9%	Low	More vigorous than Riparia Gloire. Second to SW in drought, salt and lime tolerance
SW	Schwarzmann	V. riparia x V. rupestris	Low/Moderate	Moderate	Deep/Fertile	Advances	High	Moderate/High	Moderate/High	Low/Moderate	Moderate/High	Low/Moderate 6-9%	Moderate/High	Good alternative to 101-14. Superior to its RipariaXRupestris siblings in Drought, salt and lime tolerance
SG	Saint George / Rupestris du Lot	V. rupestris	High	Deep	Deep, rocky soils	Delays	High	Low	Low	High in deep soils; Low/Moderate in shallow soils	Low	Moderate 14%	Moderate/High	Latent virus tolerant. Suitable for dry-farming. Induces shatter.
SO4	SO4 / Oppenheim #4	V. berlandieri x V. riparia	Low/Moderate	Moderate	Moderate Fertility	Mid	High	Low/Moderate	Moderate/High	Low/Moderate	Moderate/High	Moderate 18%	Low/Moderate	Enhances bud fertility. Suitable for sites with moderate vigor. Second Choice to 5BB for drought and
5C	5C Teleki	V. berlandieri x V. riparia	Low/Moderate	Moderate	Moderate Fertility	Advances	High	Low/Moderate	Moderate/High	Low	Moderate	Moderate/High 20%	Moderate	Will shut down when drought stressed.
5BB														Among Riparia x Berlandieri crosses, 5BB has superior drought tolerance and nematode resistance.
110R	110 Richter	V. berlandieri x V. rupestris	High	Deep	Moderate Fertility	Delays	High	Low	Low/Moderate	High	Low/Moderate	Moderate 17%	Moderate	Suitable for hill side sand, dry-farmed sites. Can be overly vigorous on deep fertile soils.
1103P	1103 Paulsen	V. berlandieri x V. rupestris	High	Deep	Clay, Lime	Delays	High	Low	Moderate/High	Moderate/High	Moderate/High	Moderate 18%	Moderate	Vigor is between 99R and 110R.
140RU	140 Ruggeri	V. berlandieri x V. rupestris	Very High	Deep	Shallow, drought prone, Alkaline	Delays	High	Low	Low/Moderate	High	Low	Moderate/High 25%	Moderate/High	Does poorly in low K, non-irrigated soils
1616C	1616 Couderc	V. longii x V. riparia	Low	Shallow	Fertile, Medium to Fine Textured soils	Advances	High	Moderate	High	Low	High	Low/Moderate 11%	Moderate/High	Poor on low vigor sites. Poor selection for hot/ dry soils