Rootstock	Phylloxera Resistance	Nematode Resistance Root Knot	Nematode Resistance Dagger	Drought Tolerance	Wet Soil Tolerance	Salinity (Acid) Tolerance	Lime (Alkaline) Tolerance	Vigor	Comments	
039 - 16	H	L	H	L		L	L	H	Poor on coarse, sand soils due to low root knot nematode tolerance. Tolerant of fanleaf virus	
101-14 Mgt Millardet et de Grasset	H	M-H	M	L	M	M	L-M	M	Shallow, well-branched root system. Tolerates wet soils. Best suited to moist, deep soils. Avoid clay soils that cracks	
110R	H	L-M	L	H	L-M	M	M	M-H	Hillside, gravelly and acid soils. Develops slowly in wet soils	
1103P	H	M-H	L	M-H	M-H	M	M	MH	High yield, vigorous Adapted to drought and saline soils (salt tolerance)	6 ~ 7 tons per acre
140R	H	L-M	L	H	L	M-H	M-H	H	Adapted to drought and acid soils. Does poorly in non-irrigated, low K soils	6 ~ 9 tons per acre
16-16C	H	H	-	L	M	M	L-M	M	Best on fertile, med. to fine textured soils; tolerates acid soils. Poor on infertile, sandy soil	
3309C Couderc	H	L	L	L-M	L-M	L-M	L-M	L-M	Good for high density plantings. Fruit ripen early. Deep soils. Sensitive to latent viruses; tolerant of cold injury	
420A Mgt	H	M	L	L	M	L	M-H	L	Fine-textured, fertile soils. Scions tend to overbear when young	
44-53 M	H	L	-	H	-	-	L-M	M-H	High Mg soils. Readily Mg deficient in low Mg soils	
5BB	H	M-H	M	M	L	M	M-H	M	Moist, clay soils. Susceptible to phytophthora root rot Adapted to high vigor varieties	
5C	H	M-H	L-M	L	L-M	M	M	L-M	Moist, clay soils	
Freedom	L-M2	H	H	M	L	L-M	M	H	High yield, vigorous. High nematodes resistance. Sands to sandy loams. Sensitive to latent viruses (salt tolerance)	8 ~ 9 tons per acre
Riparia Gloire	H1	L	M	L	M	L	L	L-M	Deep, well-drained, fertile, moist soils. Early maturation; scions tend to overbear	
St. George (Rupestris du lot)	H	L	L	L-M-H	L-M	M-H	M	H	Deep & gravelly soils; K deficiency. Fruit set problems w/some scions; latent virus tolerant	
S04 Oppenheim	H	M-H	L-M	L-M	M-H	L-M	M	L-M	Moist, clay soils, high K (Potassium) uptake. Low vigor the first year, but vigor increases significantly thereafter. Noted as a cool region rootstock. High Magnesium tolerance	
Schwarzmann	H	M	H	M	M	M-H	M	M	Moist, deep soils	
Salt Creek (Ramsey)	H	H	L-M	M-H	L-M	H	M	H	Sandy, infertile soils. Tolerant to Phytophthora	
GRN-1 (8909-05-AW)	VH	VH	VH	M	T	M-H	L	M-H	Also highly resistant to ring, citrus and lesion nematodes	
GRN-2 (9363-16-AW)	VH	VH	VH	M	M	M	M	L-M	Also highly resistant to lesion nematode and moderately resistant to citrus and ring nematode	
GRN-3 (9365-43-AW)	H	VH	VH	M-H	M	M	M-H	M+	Also resists citrus and lesion nematodes but not ring	
GRN-4 (9365-85-AW)	H	VH	VH	H	M	M	M-H	M-H	Also resists citrus and lesion nematodes, low to moderate ring resistance	
GRN-5 (9407-14-AW)	M-H	VH	VH	H	L-M	M	M-H	H	Also resists citrus and lesion nematodes, moderate ring resistance, moderately difficult to propagate	
161-49	H	L	L	L	L	L	M	H	Humid, fertile soils	
Dogridge	M	H-H	L-M	M	L-M	M-H	M	VH	Very sandy, infertile soils. Promotes excess vigor, poor fruit set	
Harmony	L-M2	M-H	L-M	M-H	L	L-M	M	M-H	Sandy loams and loamy sands	
Fercal	H	M	M	M	M-H	-	H	H	Mg deficient soils	
Gravesac	H	L	L	M	M	-	M	H	Mg deficient soils	
RS - 3	-	H	H	-	L-M	M	-	M-H	Fanleaf tolerant and broad nematode resistance	
RS - 9	-	H	H	-	L-M	M	-	L	Suitable for close plantings; broad nematode resistance	