



# Rootstocks On Trial

Trials are under way to find the best rootstocks for table grapes.

By Don Luvisi

**T**ABLE grape production is the third major outlet for California

grapes, having a value of more than \$500 million. Many of the older vineyards are ready to be replanted and will be replanted grapes fol-

lowing grapes. In addition, both pre- and post-plant nematocides have more and more restrictions on their use.

### Trials Judge Susceptibility

In 1990, a series of 15 rootstock trials were established using nine rootstocks compared to own rooted vines and the scion varieties Thompson Seedless, Flame Seedless, Redglobe, Fantasy Seedless, and Crimson Seedless.

Each plot is approximately 1 acre and has five replications. All plots

### ROOTSTOCK EVALUATIONS

Rootstock	Synonym	Parentage	Vigor	Phylloxera Resistance		Nematode X. Index (Dagger)	Resistance M. incognita (Root-Knot)	Soil Preference	Drought Resistance	Wet Feet	Salt Resistance	General Comments
				A & B								
3309 Courderc	3309C	V. riparia x V. rupestris	Moderate/High	High	Susceptible	Susceptible	Deep/Well Drained	Low	High	Low/Moderate		
101-14 Millardet Et De Grasset	101-14 Mgt.	V. riparia x V. rupestris	Low/Moderate	High	--	Moderate	Heavy Clay	Low/Moderate	High	Very Low	More vigorous than Riparia Gloire	
5BB Kober	5BB	V. berlandieri x V. riparia	High	High	--	Moderate	Clay	Low	High	Very Low	Slightly more drought tolerant than 5C or 420A, yet less than 110R & St. George. Not recommended for sites with standing water or a history of phytophthora. Genetically identical to 5A.	
5C Teleki	5C	V. berlandieri x V. riparia	High	High	High	Moderate/High	Clay	Low	High	--	Similar to 5BB, more suitable for higher altitudes. Broad spectrum of nematode tolerance.	
1103 Paulsen	1103P	V. berlandieri x V. rupestris	High	High	Susceptible	Moderate	Clay, Lime	High	High	Moderate	Vigor is between 99R and 110R	
Freedom	Freedom	1613 C x V. champinii	High	Moderate	Very High	High	Sandy Moderate Fertility	Moderate/High	Low	Low	Must use virus free scion material. More vigorous than Harmony, but less than Dog Ridge and Salt Creek.	
Harmony	Harmony	1613 C x V. champinii	High	Low	Susceptible	High	Sandy Moderate Fertility	Moderate/High	--	--	More vigorous than 1613C, less than Dog Ridge and Salt Creek	
Ramsey	Salt Creek	V. champinii	Very High	Moderate	High	High	Light Sand Low Fertility	High	Moderate	High	Tends to have Zn deficiency. Less vigorous than Dog Ridge. Reduced fruit set.	
VR 039-16	039-16	V. vinifera x V. rotundifolia	High	Low	Very High	Susceptible	--	Low	--	--	Highly recommended for vineyard sites infested with grape fan leaf virus.	
Own Root	N/A	V. vinifera	Moderate/High	Low	Susceptible	Susceptible	Various	Low	--	--	Variable by variety.	

Source: Vintage Nurseries, Wasco, CA