

# Rootstock Compatibility Characteristics

## General suitability of rootstock choices with various scion cultivars in southern Africa

Scion Selection	Cultivar specific	Rough lemon	Swingle citrumelo	Carrizo citrange	X639 citrandarin	C35 citrange	MxT citrandarin	Benton citrange	Sunki 812 citrandarin
Navel		O	✓	✓	✓	?	?	✓	✓
	Navelina	O	O	✓	✓	✓	?	✓	✓
	Fukumoto	O	X	✓	✓	X	?	X	?
Valencia		O	✓	✓	✓	✓	?	✓	✓
	Turkey	O	✓	✓	✓	O	✓	?	?
	Midnight	O	✓	✓	✓	✓	X	?	?
Lemons		✓	✓	✓	✓	✓	✓	✓	✓
	Eureka	✓	X	X	✓	X	✓	✓	✓
Grapefruit		✓	✓	✓	✓	✓	✓	✓	✓
	Star Ruby	✓	✓	✓	✓	✓	✓	✓	O
	Nelruby	✓	✓	✓	✓	✓	✓	✓	O
Mandarins		O	✓	✓	✓	✓	?	✓	✓
	Murcott	O	?	X	✓	✓	?	?	✓
	Nova	O	✓	✓	✓	✓	X	✓	✓
	Hadas	O	O	✓	✓	O	?	?	✓
	Nules	O	✓	✓	✓	?	?	?	✓
	Valley Gold	O	?	✓	✓	✓	?	?	✓

Specific Characteristics	Rough lemon	Swingle citrumelo	Carrizo citrange	X639 citrandarin	C35 citrange	MxT citrandarin	Benton citrange	Sunki 812 citrandarin
Exocortis	Tolerant	Tolerant	Sensitive	Susceptible	Susceptible	Susceptible		
Tristeza	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant		Resistant
Phytophthora	Susceptible	Tolerant	Susceptible	Susceptible	Tolerant	Tolerant	Tolerant	Susceptible *
Citrus nematodes	Susceptible	Tolerant	Susceptible	Susceptible	Tolerant	Tolerant		Tolerant *
Poor drainage	Sensitive	Tolerant	Sensitive	Sensitive	Sensitive	Sensitive		
High clay-content	Sensitive	Intermediate	Intermediate	Sensitive	Tolerant	Intermediate		
High pH	Tolerant	Sensitive	Sensitive	Tolerant	Sensitive	Sensitive	Sensitive	Tolerant
Drought tolerance	Tolerant	Tolerant	Intermediate	Sensitive	Sensitive	Sensitive	Intermediate	
Replanting	Sensitive	Good	Intermediate to good	Intermediate to good	Intermediate to good	Intermediate to good	Intermediate	Good
Tree growth rate	Vigorous	Vigorous	Average	Average	Average	Slow	Slow	Average
Final tree size	Large	Large	Medium	Medium	Dwarfed	Dwarfed	Dwarfed	Medium
Cold hardiness	Poor	Good	Intermediate	Good	Poor	Poor		
Crop production	Very good	Good	Good	Avg - good	Good	Avg - good	Good	Good
Internal Quality	Average	Good	Good	Good	Good	Good	Good	Good
Rind colour development	Average	Later	Early	Early	Early	Average	Average	Average

Key:	
✓	Good
X	Incompatible
?	To be confirmed
O	Not suitable/ideal
*	Experimental data

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