



*L'innovazione in viticoltura*

## Overview of the characteristics of the vine rootstocks

Legend: -- Insufficient - Low + Sufficient ++ Good +++ Very good ++++ Excellent

ROOTSTOCK	INDUCED VIGOUR	AFFINITY WITH VITIS VINIFERA	RESISTANCE TO ACTIVE LIMESTONE %	IPC	ADATTAMENTO A TERRENO			ADAPTATION TO SOIL			RESISTANCE TO PHYLLXERA	RESISTANCE TO NEMATODES MELOIDOGYNE	NOTES	
					HUMID	DRY/PEBBLY	SANDY	CLAYEY	ACID	SALTY				
BERLANDIERI x RIPARIA	Kober 5BB	++/+++	++++	20	40	++	-	+	++	++	-	+++	++/+++	Some cases of incompatibility with some Sauvignon and Cabernet Sauvignon clones
	SO4	++/+++	++	17	30	-/+	+ / ++	++	+	++	+	+++	+++	Some cases of incompatibility with Cannonau
	420A	-/+	+ / ++	20	40	--	++	- / +	++	- / +	--	++	- / +	It is not very efficient in Potassium absorption
	161.49	-/+	-	25	50	-/+	+	- / +	+	+	--	+++	- / +	Presence of tylosis that can induce apoplexy events
	5C	+++	++	20	40	++	- / +	- / +	+	+	-	+++	+++	
BERLANDIERI x RUPESTRIS	1103 Paulsen	+++	++++	17	30	+	+++	+++	+++	+++	++	++++	++	
	110 Richter	+++	+	17	30	--	+++	++	++	+	-	++++	++	Avoid to use Syrah on 110R in soils with more than 5% active limestone
	140 Ruggeri	++++	- / +	40	90	--	++++	++	++	--	-	++++	++	Phenomena of incompatibility with some varieties
	775 Paulsen	+++	+	19	50	--	+++	++	++	--	+	++++	++	
	779 Paulsen	++++	- / +	16	25	--	++++	++	++	--	+	++++	++	Phenomena of incompatibility with some varieties
	Rupestris Du Lot	++/+++	++	14	20	-	+	++	-	-	++	++++	--	Very sensitive to fanleaf viruses and to grapevine rugose wood virus
RIPARIA x RUPESTRIS	101.14	-	++	9	10	++	-	--	-	--	--	+++	++	Some cases of incompatibility with some Sauvignon and Cabernet Sauvignon clones
	3309 C	-	++	11	10	++	--	--	-	++	--	+++	--	Some cases of incompatibility with some Sauvignon and Cabernet Sauvignon clones, and lately also with Chardonnay
	SCHWARZMANN	- / +	+++	9	10	-	++	+	+	++	-	+++	++	It should be preferred to 101.14 in heavy soils
VARIOUS	196.17	++++	++	6	5	- / +	++	+	++	++	++	- / +	--	It induces late ripening of grapes
	Gravesac	++/+++	++	6	5	++	-	++	-	+++	-	+++	--	
	41B	++/+++	-- / -	40	60	--	- / +	-	--	--	--	+ / ++	-	It is sensitive to cold and humid springs and to potassium deficiency
	Fercal	++/+++	- / +	40	120	++	++	- / +	+	--	+	+++	++	Difficult absorption of magnesium