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### Grape Rootstocks Available from Qualterra

Rootstock Cultivar	Vitis Parentage	Phylloxera Resistance	Nematode Resistance Rootknot	Nematode Resistance Dagger	Drought Tolerance	Wet Soil Tolerance	Salinity Tolerance	Lime Tolerance	Vigor	Soil Adaptation
Couderc 1616 (1616C)	longii x riparia	High	High	Med.	Low	High	Med.-high	Low-med.	Low	Best on fertile, med.- to fine-textured soils
Couderc 3309 (3309C)	riparia x rupestris	High	Low	Low	Low-med.	Low-med.	Low-med.	Low-med.	Low-med.	Deep Soils
Kober 5BB (5BB)	berlandieri x riparia	High	Med.-high	Med.	Med.	Low	Med.	Med.-high	Med.	Moist, Clay soils
Malegue 44-53 (44-53 or 44-53M)	riparia x (cordifolia x rupestris)	High	Low	--	High	--	--	Low-med.	Med	High Mg soils
Matador	101-14 MGT (riparia x rupestris) x 3-1A (mustangensis x rupestris)	--	High	--	--	--	--	--	--	--
Minotaur	101-14 MGT (riparia x rupestris) x 3-1A (mustangensis x rupestris)	--	High	--	--	--	--	--	--	--
Oppenheim#4 (SO4)	berlandieri x riparia	High	Med.-high	Low-med.	Low-med.	Med.-high	Low-med.	Med.	Low-med.	Moist, Clay soils
Paulsen 1103 (1103 or 1103P)	berlandieri x rupestris	High	Med.-high	Low	Med.-high	Med.-high	Med.	Med.	Med.-high	Adapted to drought and saline soils
Richter 110 (110R)	berlandieri x rupestris	High	Low-med.	Low	High	Low-med.	Med.	Med.	Med.	Hillside soils; acid soils
Richter 99 (99R)	berlandieri x rupestris	High	Med.-high	Low-med.	Med.-high	Low	Med.	Med.	Med.-high	Tolerant of acid soils
Riparia Gloire (RG)	riparia	High	Low	Med.	Low	Low	Med.	Low	Low-med.	Deep, well-drained, fertile, moist soils
Schwarzmann	riparia x rupestris	High	Med.	High	Med.	Med.	Med.-high	Med.	Med.	Moist, deep soils
Teleki 5C (5C)	berlandieri x riparia	High	Med.-high	Low-med.	Low	Low-med.	Med.	Med.	Low-med.	Moist, Clay soils

Adapted from and with information from these sources:

<https://iv.ucdavis.edu/files/24347.pdf>

<https://fps.ucdavis.edu/>

<https://www.canr.msu.edu/uploads/files/GrapeRootstockBulletinweb.pdf>

For more information on grape rootstock use in Washington, check out this Good Fruit Grower article:

<https://www.goodfruit.com/rootstocks-do-fine-in-washington/>