

ROOTSTOCK

Rootstock	Soil Preference	Crown Gall	Bacterial Canker	Oak Root Fungus	Nematodes	Comments
Nemaguard	Sandy well-drained soil, susceptible to wet soil conditions	Susceptible	Susceptible	Susceptible	Resistant to root knot nematode, susceptible to root lesion nematode	Vigorous, strong tree, common rootstock for almonds & peaches, suckering requirement is minimal, popular in Southern California
Nemared	Sandy well-drained soil, susceptible to wet soil conditions	Susceptible	Susceptible	Susceptible	Resistant to root knot nematode, susceptible to root lesion nematode	More susceptible to bacterial canker than Nemaguard & Lovell, good anchorage, more vigorous than Nemaguard
Lovell	Well-drained soil, slightly resistant to wet conditions than Nemaguard	Susceptible	Some Resistance	Susceptible	Susceptible to nematode	Good anchorage, tends to have longer life span than Nemaguard
Halford	Well-drained soil, slightly more resistant to wet conditions than Nemaguard	Susceptible	Some Resistance	Susceptible	Susceptible to Nematode	Good anchorage, slightly more vigorous than Lovell, produces heavier crop in lighter soil
Guardian	Sandy well-drained non-calcareous soils	Susceptible	Some Resistance	Susceptible	Resistant to Root knot nematode, some resistance to Ring Nematode	More vigorous than Lovell & Halford, growth similar to Nemaguard, resistant to PTSL
Marianna 26/24	Tolerates wet soil conditions	Some Resistance	Very Susceptible	Resistant	Susceptible to ring & root lesion nematode	Slightly dwarfing, fair anchorage, shallow roots in first few years, suckers, some almond varieties incompatible.
Myroblan	Tolerates wet soil conditions	Some Resistance	Susceptible	Some Resistance	Resistant to root knot nematode, susceptible to root lesion nematode	Makes large trees, tends to sucker and lean, some incompatibility with almonds, prunes susceptible to brown line on this rootstock
Mazzard	Sandy loam to loam	Susceptible	Susceptible	Some Resistance	Susceptible to ring and lesion nematode	Cold hardy, good anchorage, slow to bear, suckers, more water tolerant than Mahaleb, resistant to root know nematode
Mahaleb	Light, sandy loam soils, intolerant of wet, heavy soils	Some Resistance	Resistant	Susceptible	Slight resistance to root Lesion nematode	Trees slightly smaller than Mazzard, more drought resistant than Mazzard, excellent anchorage.
Myro 29C	Tolerates wet soils	Some Resistance	Susceptible	Susceptible	Susceptible to Nematode	Roots tend to be shallow, prefers heavy, wet soils, makes a large trees, tends to sucker
Colt	Prefers clay, loam soils	Very Susceptible	Resistant	Unknown	Unknown	Vigorous, not cold hardy, tolerates wet heavy soils better than Mahaleb, drought sensitive, slightly dwarfing
NCB	Deep rooting, prefers well-drained soils	Susceptible	————	Generally Resistant	Resistance variable	Vigorous, susceptible to Phytophthora resistant to Verticillium Wilt
Paradox	Does better in web, heavy soils than ncb	Very Susceptible	————	Generally Resistant	Resistance variable	More vigorous than NCB, tolerates heavy wet soils better than NCB