GENEVA® APPLE ROOTSTOCKS COMPARISON CHART v.5

	D1148	D1147	D3539	D3610	D4950	D6263	D4190	D3609	D7656	D4951	D2737	D7877	D9997	D3785	D3540	D5107
	G.11	G.16	G.213	G.41	G.214	G.814	G.222	G.935	G.484	G.969	G.202	G.66	G.257	G.30	G.210	G.890
Size (small to large)	M.9 T337	M.9 T337	M.9 T337	M.9 T337	M.9/ M.26	M.9	M.26	M.26	M.26	M.26	M.26	M.26-M.7	M.7	M.7	M.7	M.7/ MM.106
Wolly Apple Aphid Resistance	No	No	High	High	High	No	High	No	High	High	High	Medium	High	No	High	High
Fire Blight Resistance	R	R	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Replant Disease Complex Tolerance	Partially Tolerant	Partially Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant
Crown and Root Rots (Phytophthora)	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant
Cold Hardiness	Yes	Partial*	TBD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Partial*	Yes	Yes	Yes	Yes	Yes
Productivity/ Yield Efficiency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Low suckering and burr knots	Yes	Yes	Yes	Yes	Yes	Low	Low	Yes	Low	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sensitivity to latent viruses**	Non-sensitive	Sensitive	Non-sensitive	Non-sensitive	Non-sensitive	Sensitive	Non-sensitive	Sensitive	Low	Sensitive	Non-sensitive	Low	Low	Non-sensitive	Sensitive	Non-sensitive

** Good mid-winter*
*** This is a work in progress. Description is based on observations within breeding program and feedback from nurseries. There may be additional interactions with apple viruses that have not been characterized yet.*

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Geneva® Rootstocks

No · Yes · Partial · High · Medium · Low · Tolerant · Partially Tolerant · Non-sensitive · Sensitive

R Resistant
VR Very Resistant
TBD To Be Determined

GENEVA® APPLE ROOTSTOCKS COMPARISON CHART v.5

	D7877	D1148	D3610	D1147	D3539	D3609	D6263	D4950	D7656	D4190	D2737	D4951	D9997	D3785	D3540	D5107
	G.66	G.11	G.41	G.16	G.213	G.935	G.814	G.214	G.484	G.222	G.202	G.969	G.257	G.30	G.210	G.890
Size (small to large)	M.26 - M.7	M.9 T337	M.9 T339	M.9 T338	M.9 T340	M.26	M.9	M.9/ M.26	M.26	M.26	M.26	M.26- M.7	M.7	M.7	M.7	M.7/ MM.106
Wolly Apple Aphid Resistance	Low	No	High	No	High	No	No	High	Medium	High	High	High	High	No	High	High
Fire Blight Resistance	VR	R	VR	R	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Replant Disease Complex Resistance	Tolerant	Partially Tolerant	Tolerant	Partially Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	No	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant
Crown and Root Rots (Phytophthora)	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant
Cold Hardiness	Yes	Yes	Yes	Partial*	TBD	Yes	Yes	Yes	Yes	Yes	Partial*	Yes	Yes	Yes	Yes	Yes
Productivity/ Yield Efficiency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Low suckering and burr knots	Yes	Yes	Yes	Yes	Yes	Yes	Medium	Yes	Medium	Medium	Yes	Yes	Yes	Yes	Yes	Yes
Susceptibility to latent viruses**	Low	Non-susceptible	Non-susceptible	Susceptible	Non-susceptible	Susceptible	Susceptible	Non-susceptible	Low	Non-susceptible	Non-susceptible	Susceptible	Low	Non-susceptible	Non-susceptible	Non-susceptible

** Good mid-winter*
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No · Yes · Partial
High · Medium · Low
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