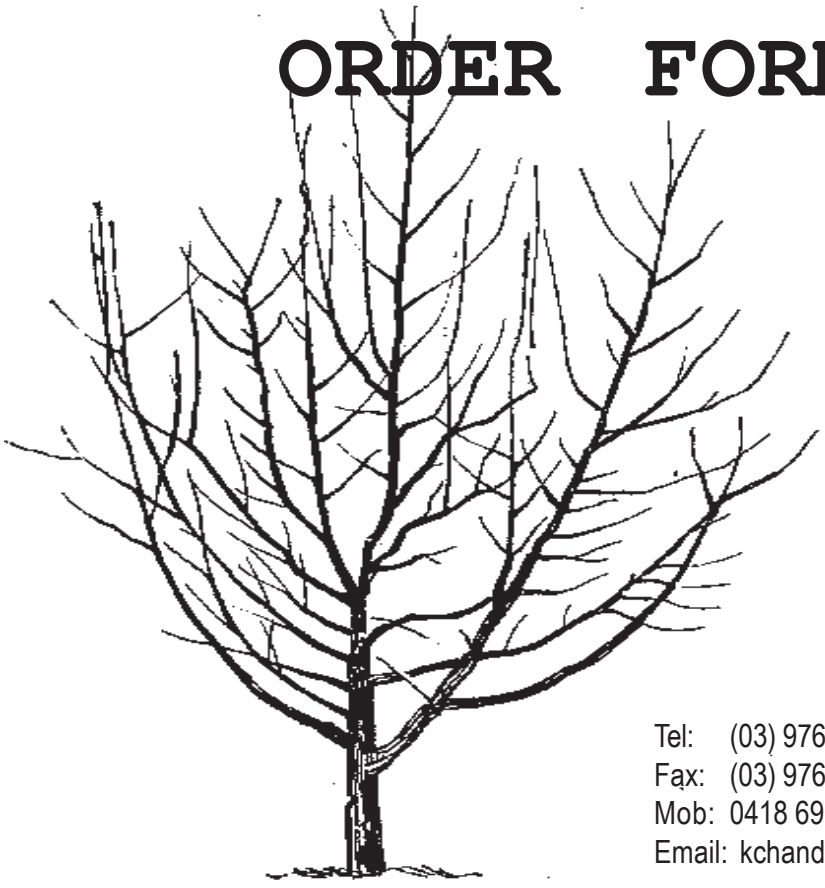
Eversen NURSERIES

2012

APPLE ROOTSTOCK CATALOGUE

&

ORDER FORM



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Origins

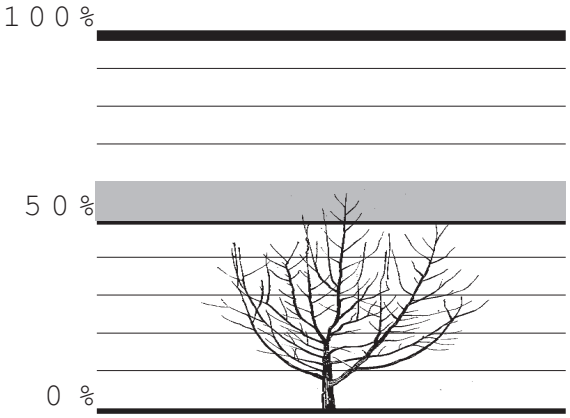
Selected at East Malling research station from a group of established rootstocks known as 'Doucin' or 'English Paradise'. These groups of understocks can be traced back to the 17th century in England and France. Originally designated M.VII.

Orchard Habit

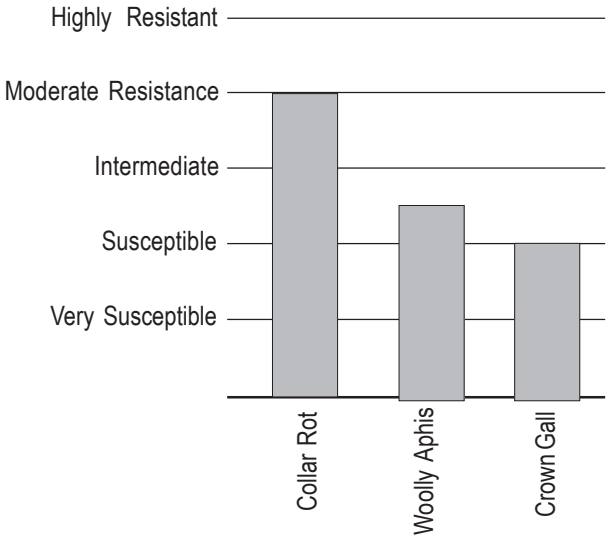
A dwarfing to semi-dwarfing stock that produces a tree roughly twice the size of M9 or around 55% seedling. Widely used in North America for its Winter hardiness and good anchorage especially if deep planted. Has shown a tendency for suckering.
In US trials trees were less precocious and had less cropping efficiency to M9 or M26. Good resistance to Collar Rot but has been observed to be subject to Crown Gall in the USA.
Prefers deep fertile loamy soils of moderate to heavy texture.
Has been used a lot in replant situations.
M 7 seems not to perform well on light sandy soils or low fertility soils.

We only grow a small number of M 7 each year so numbers are limited.

Comparative Size to Seedling



Disease & Pest Resistance



Origins

Selected as a chance seedling of 'Jaune de Metz', in France in the late 1870's. M.IX was one of the first rootstocks collected by the East Malling Research Station and given the number 'IX' (Roman Numerals) which was latter replaced by the name Malling IX and hence shortened to M.9

Orchard Habit

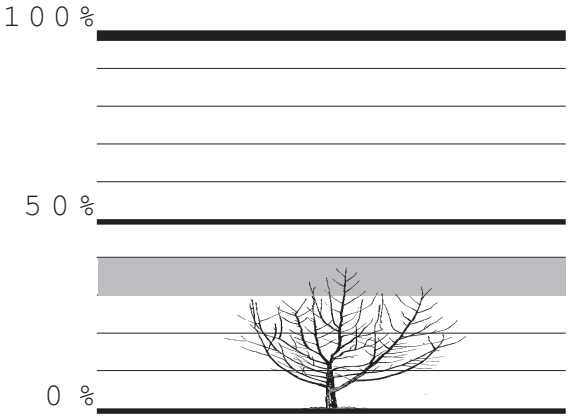
A dwarfing rootstock that induces early cropping on young trees. The fruit on scion varieties with M.9 rootstocks are larger and ripen earlier especially when the trees are young.

M.9 is adaptable to a wide range of soil types but is reported to be unsuitable for dry, sandy soils. It can tolerate a heavier soil type and wetter soil conditions.

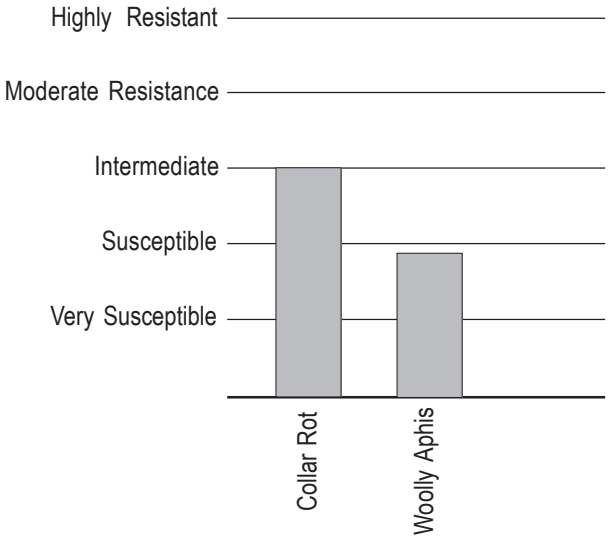
M.9 has a brittle root system that breaks easily but rarely suckers. Trees on M.9 rootstocks will require staking all of their life.

M.9 is very popular in Australia with commercial orchardists & growers.

Comparative Size to Seedling



Disease & Pest Resistance



Origins

A seedling cross between M.16 x M.9 that was raised in 1929. The seedling was introduced by the East Malling Research Station in 1959. The old Roman numbering system was replaced by Arabic as the complexity of the higher numbers increased.

Orchard Habit

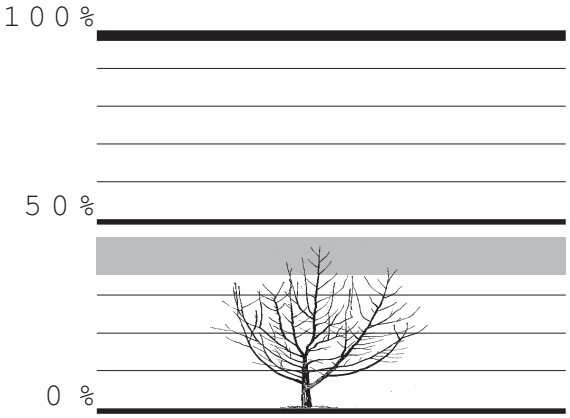
A semi dwarfing or intermediate vigor rootstock. It produces a tree that is larger than M.9, but smaller than M.7 or MM.106.

When compaired to M.7, M26 has produced superior fruit in quality, and induces cropping at a younger age. Trees on M.26 can produce fruit with lower calcium levels than trees on other rootstocks.

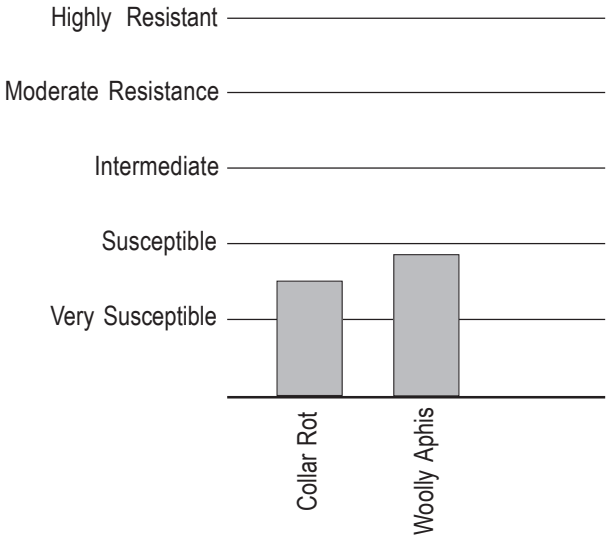
The root system is brittle, but not as brittle as M.9. Trees on M.26 may require staking especially if planted in windy areas. Planting the trees 40-50mm lower than the nursery can help overcome the need for staking.

M.26 roots produce few suckers, but those produced are vigorous. M.26 is reported to be intolerant of extended wet soil conditions.

Comparative Size to Seedling



Disease & Pest Resistance



Origins

MM.102 is a cross between Northern Spy x M.1. by East Malling research station and the John Innes Horticultural Institute then at Merton. The name 'Malling - Merton' was given to this series of root-stocks and hence abbreviated to MM. The MM series was introduced to the industry in the 1950's.

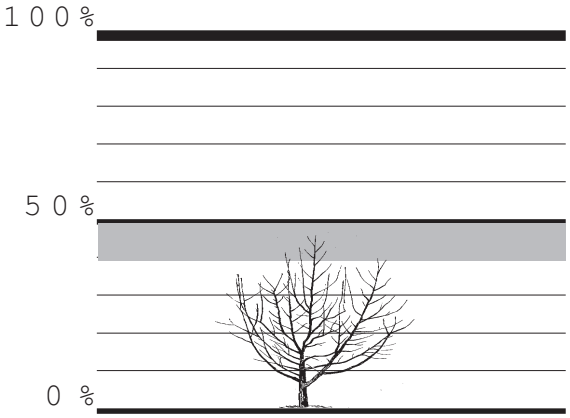
Orchard Habit

MM.102 produces a tree between M.26 and M.7 depending on the soil types. Early trials found that MM.102 produced average crops of good sized fruit. Little trial work has been done on this stock since then probably due to its variable size to soil response.

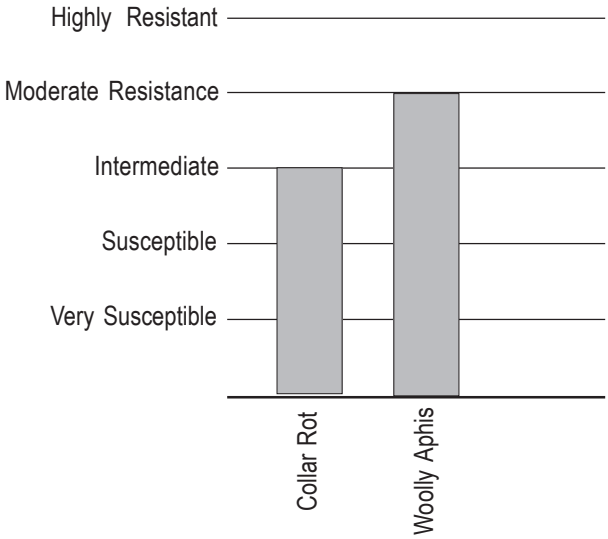
Renewed interest has been generated in this stock due to its M.26 size response and resistance to Woolly Aphids passed on by its Northern Spy parentage. We note that Tasmanian growers are now using a lot more MM.102 understocks compared to other states.

While we are unsure of the collar rot resistance in MM102, we have noted good resistance to collar rot in our stool beds here. Hence have not registered a recommendation.

Comparative Size to Seedling



Disease & Pest Resistance



Origins

A cross between Northern Spy x M.1. by East Malling research station and the John Innes Horticultural Institute then at Merton. The name 'Malling - Merton' was given to this series of rootstocks and hence abbreviated to MM. The MM series was introduced to the industry in the 1950's.

Orchard Habit

MM.106 is a rootstock that tends to be more sensitive to soil moisture levels than many other rootstocks especially if the soils are poorly aerated. On dry sandy soils MM.106 will produce a tree of smaller size than M.7. On more fertile soils MM.106 will produce a tree of similar height to MM.111.

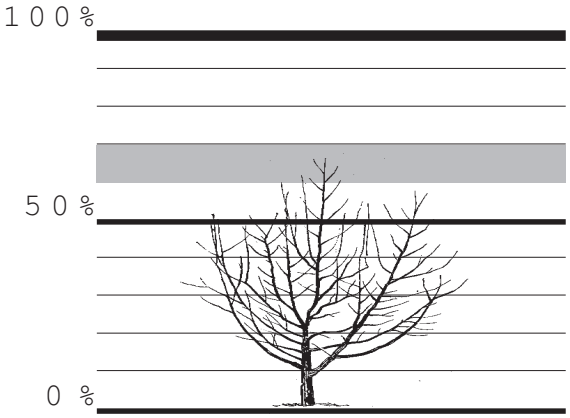
MM.106 does not sucker and is resistant to wooly aphids, producing trees with moderate vigor and heavy cropping potential.

Trees on MM.106 are reported to be resistant to potassium deficiency, but can occasionally suffer from magnesium deficiency.

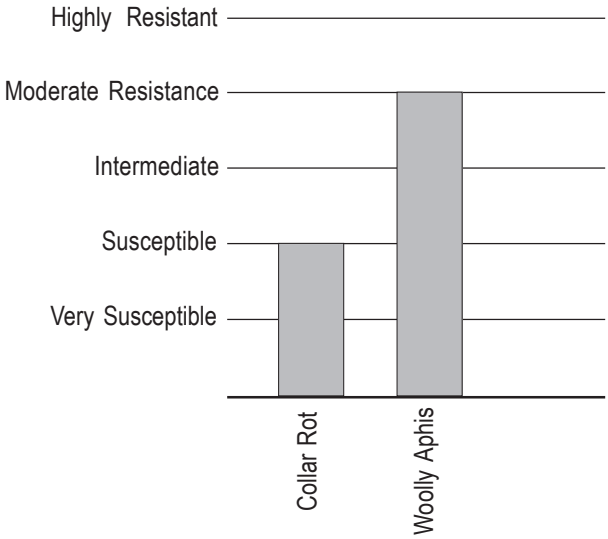
Trees on MM.106 are well anchored and do not require staking.

MM.106 adapts well to a wide range of soil types and climatic conditions, making it a very popular rootstock world wide.

Comparative Size to Seedling



Disease & Pest Resistance



Origins

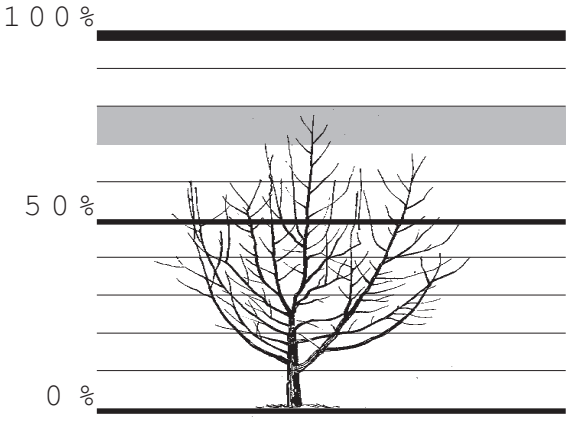
A cross between Northern Spy and M.793, produced by the John Innes Horticultural Institute.

Orchard Habit

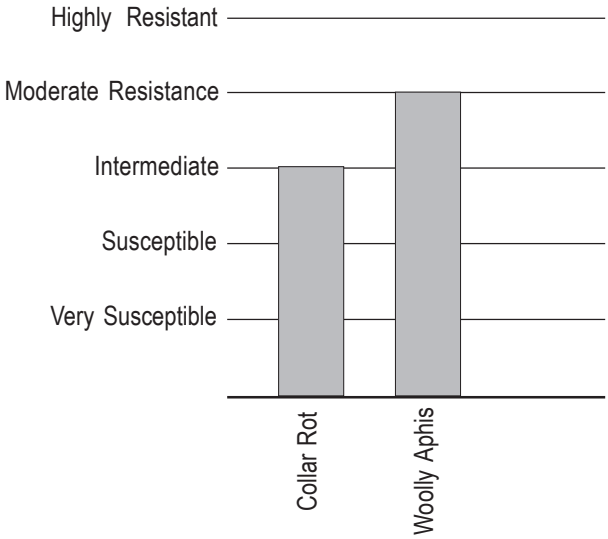
A rootstock variety that produces a tree that is larger than MM.106 and about 75% of seedling size. MM.111 is valuable due to its adaptability to dry sandy soils. Suckering is low, and its resistance to Woolly Aphids is good. Trees on Mm.111 will not require staking as the anchorage is very good.

MM.111 is a good rootstock for poor soils and dry areas where extra vigor is required for better cropping. An excellant rootstock for spur bearing varieties. MM.111 has been sucessful when used for replant situations in Victoria.

Comparative Size to Seedling



Disease & Pest Resistance



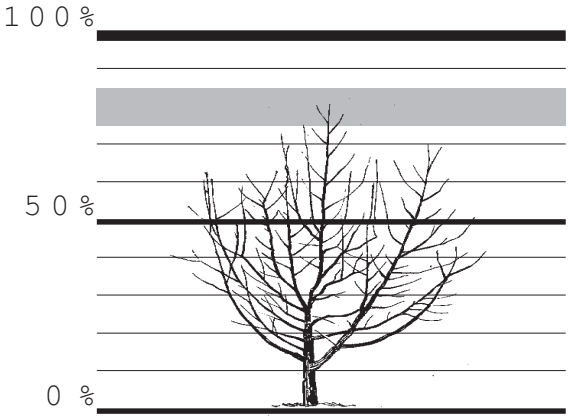
Origins

Merton 793 (M.793) is a cross between M.2 and Northern Spy, by the John Innes Horticultural Institute in Merton, England.
Intoduced into New Zealand in 1941 for preliminary trials. Special attention was paid to the resistance of this range of stocks to Collar Rot and Woolly Aphids.

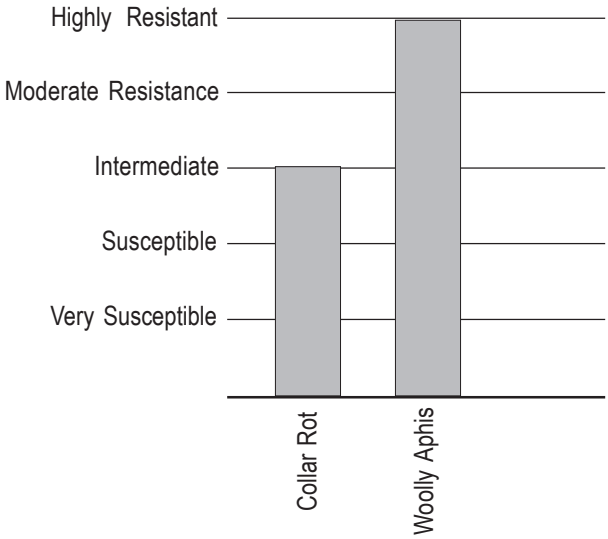
Orchard Habit

M.793 produces trees that are larger than Northern Spy and better adapted to a wider range of soil types. M.793 produces trees that crop earlier and heavier than Northern Spy.
M.793 has been used successfully on replant situations in Victoria.
Resistance to Woolly Aphids is excellent.

Comparative Size to Seedling



Disease & Pest Resistance



Northern Spy

Origins

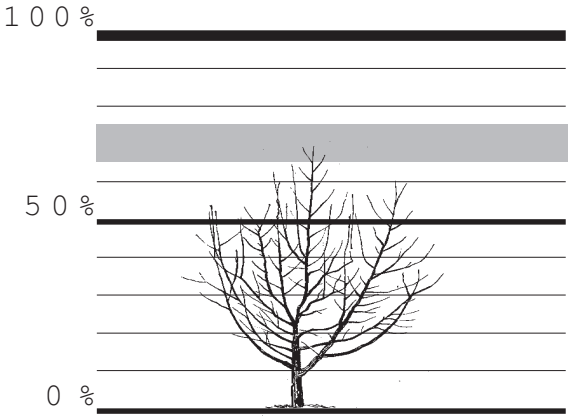
A seedling that originated in east Bloomfield in western New York in 1828. At this time it was prize for its excellent and long keeping fruit.

Orchard Habit

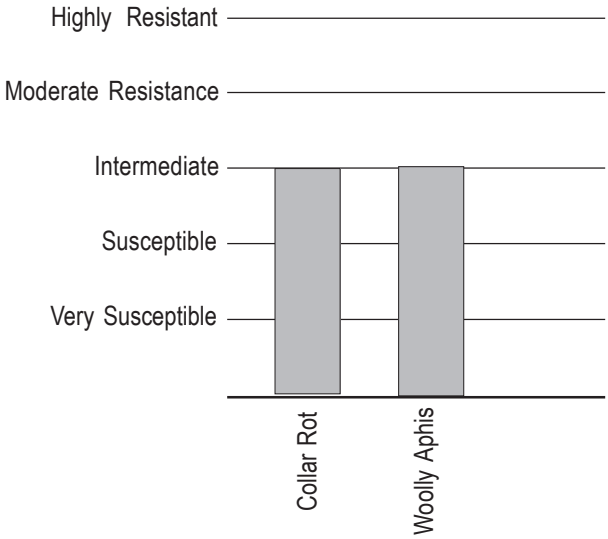
Northern Spy is a very poular rootstock with Australian orchardists due to its good resistance to Woolly Aphids. Northern Spy produces medium sized trees of good cropping which begins at a reasonably young tree age. Trees on Northern Spy tend to be shallow rooted and will often develop a one sided root system often prefering good soil conditions. Staking is not required for trees on this rootstock.

Testing conducted at the Knoxfield Research Station of the Victorian Department of Agriculture found that Northern Spy was not surpassed by any other rootstock tested at the time.

Comparative Size to Seedling



Disease & Pest Resistance



Origins

From a cross between M.9 x 'Robin' (a hardy crab) selected by the Ottawa Research Station in Canada. A test planting was started in 1967.

Orchard Habit

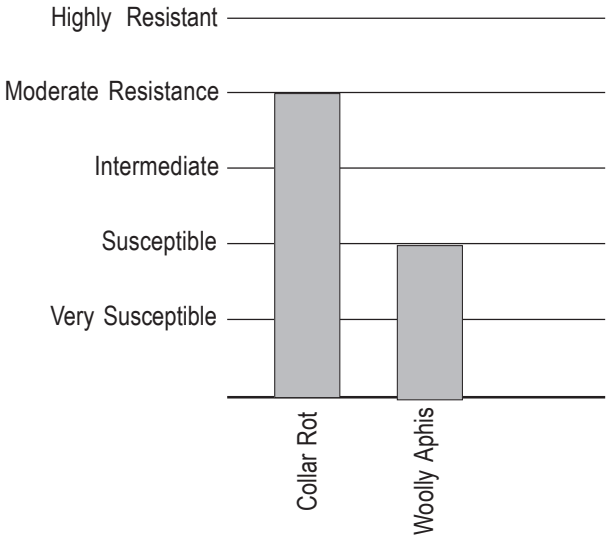
Ottawa 3 is reported to be of the same size as M.26 with equal productivity. The root system is not as brittle as M.9 and are better anchored.

In the stool beds Ottawa 3 has shown good resistance to Collar Rot but is susceptible to Woolly Aphis.

Our stool bed area of Ottawa 3 is extremely small, so numbers are very limited.

Comparative Size to Seedling

Disease & Pest Resistance



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2012

Apple Rootstock Order Form

COMPANY NAME _____

ADDRESS _____

_____

CONTACT PERSON _____ **DATE:** _____

TEL: _____ **FAX:** _____

DELIVERY ADDRESS _____

_____

PREFERED DELIVERY METHOD _____

SPECIAL INSTRUCTIONS _____

VARIETY	GRADE	QUANTITY	UNIT PRICE	AMOUNT Incl. GST
			TOTAL AMOUNT Incl. GST	

NB. Priority shall be given to orders recieved prior May 1st.
Minimum Order of 20 per Variety.
All goods shipped are subject to a freight charge, and shall be added to the relevant invoice.
Terms are stricly C.O.D. unless by prior arrangement.
Rootstock varieties & descriptions are available from our website at www.eversen-nurseries.com.au

2012 Apple Rootstock Price List

Website: www.eversen-nurseries.com.au

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Northern Spy*, M793 & Ottowa 3*

GRADE	20-49	50-199	200-999	1,000+
Large	5.50	4.40	2.50	2.20
Medium	4.40	3.30	2.00	1.85
Small	3.30	2.20	1.65	1.45

M.9 and M.26

GRADE	20-49	50-199	200-999	1,000+
Large	5.50	4.40	2.50	2.20
Medium	4.40	3.30	2.20	1.95
Small	3.30	2.20	1.95	1.55

M.7*, MM.102, MM106 & MM.111

GRADE	20-49	50-199	200-999	1,000+
Large	5.50	4.40	2.20	2.00
Medium	4.40	3.30	2.10	1.85
Small	3.30	2.20	1.85	1.55

ALL PRICES INCLUDE G.S.T.
Minimum Order of 20 per Variety.
*** Denotes limited qty available.**