

over the seven years of this trial, but trees are more similar in size to those on M.26. CG.4013, CG.5179, and CG.5202 produced trees too large at this point to be considered full dwarfs, but they were reasonably yield efficient and had good fruit size. The Supporter

series produced trees between M.9 NAKBT337 and M.26 in size and that were very yield efficient. Fruit size was good in 2005, but has been small overall. All of these rootstocks need further testing before definitive recommendations can be made.



G.16 versus M.9 and B.9 in the 2002 Massachusetts-New Jersey Cameo Rootstock Trial

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In 2002, a trial was established in Belchertown, MA and Pittstown, NJ including Cameo on B.9, G.16, and M.9 NAKBT337.

In the first four years of this trial, trees have grown well, with somewhat low yields in 2005 (less than 0.5 bushel per tree on average) and good fruit size in 2005 (205 g on average).

The experiment was a randomized-complete-block design with ten replications at each site. Massachusetts data from 2005 (4th growing season) are presented in Table 1.

At the end of 2005, trees on G.16 were larger than those on either B.9 or M.9 NAKBT337 (Table 1). Trees

on B.9 and M.9 NAKBT337 were similar in size.

Root suckering from 2002 through 2005 was low and not affected by rootstock (Table 1).

Greatest yields in 2005 and cumulatively (2003-05) were harvested from trees on G.16, and the lowest yields were from trees on M.9 NAKBT337 (Table 1). Trees on B.9 produced intermediate yields.

Yield efficiency in 2005 and cumulatively (2003-05) were greatest for trees on B.9 and least for trees on M.9 NAKBT337 (Table 1). Trees on G.16 were intermediate.

Fruit size in 2005 or on average (2003-05) was not affected by rootstock (Table 1).

Table 1. Trunk cross-sectional area, root suckering, yield, yield efficiency, and fruit weight in 2005 of Cameo trees on three rootstocks planted in 2002 as part of the MA/NJ Cameo Rootstock Trial.^z

Rootstock	Trunk cross-sectional area (cm ²)	Root suckers (no./tree, 2002-05)	Yield per tree (kg)		Yield efficiency (kg/cm ² TCA)		Fruit weight (g)	
			2005	Cumulative (2003-05)	2005	Cumulative (2003-05)	2005	Average (2003-05)
B.9	7.9 b	0.4 a	9.3 ab	16.1 ab	1.13 a	1.96 a	197 a	191 a
G.16	13.6 a	0.3 a	11.0 a	19.9 a	0.83 ab	1.49 ab	198 a	188 a
M.9 NAKBT337	9.3 b	2.1 a	4.9 b	11.6 b	0.54 b	1.31 b	219 a	204 a

^z Means within column not followed by the same letter are significantly different at odds of 19 to 1.

