

## NC-140 Mini-Report

### '2002 Cameo Dwarf Rootstock Planting'

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In 2002 a dwarf rootstock trial with B.9, M.9-337, and G.9 with 'Cameo' (Caudle cv.) as a scion at the UMass Cold Spring Orchard in Belchertown, MA. Ten replicates of trees were planted at 4 X 12 ft. spacing, and trained to a vertical-axis. For 2004, all fruit were harvested and weighed, and trunk circumference (at 30 cm.) was measured. Results show that:

- G.16 has produced the largest trees (in terms of trunk-cross-sectional-area, TCSA) after three growing seasons (Table 1.)
- There was no difference in yield efficiency (kg. fruit/cm. TCSA) between the three rootstocks (Table 2.)
- G. 16 produced significantly more fruit per tree than B.9, however, B.9 and M.9 were no different in yield per tree (Table 3.)
- M.9-337 fruit were larger than G.16 but no different in size from B.9

Table 1. Trunk area

Rootstock	Trunk area (cm. TCSA)
G.16	8.6 a
M.9-337	6.4 a
B.9	5.5 b

Table 2. Yield efficiency

Rootstock	Yield efficiency (kg./cm. TCSA)
M.9-337	1.03 a
B. 9	0.92 a
G.16	0.89 a

Table 3. Per tree yield

Rootstock	Per tree yield (kg.)
G.16	7.53 a
M.9-337	6.49 a b
B.9	5.21 b

Table 4. Fruit weight

Rootstock	Fruit weight (g.)
M.9-337	184 a
B. 9	180 a b
G.16	167 b

\*numbers not followed by same letter significantly different  $P < 0.05$