'Golden Delicious' trees on MAC 1, although in the desirable size class between M.26 and M.7, were not nearly as precocious or efficient (yield/trunk area) as trees on M.26 and they were severely affected by the frost. However, trees on MAC 1 had a smooth graft union and survived much better than M.26, which exhibited the swelling at the union typical with M.26. Although it is difficult to draw firm conclusions because of limited number of trees, MAC 4 and MAC 16 appeared to perform better with 'Golden Delicious' than with 'Empire' having a higher cumulative yield/tree and production efficiency. When the same comparison across cultivars is made with M.26, yield and efficiency of the two cultivars were similar. With 'Empire' cumulative yield efficiency of trees on MAC 9 was lower than on M.9 or M.26. The same trend was evident with 'Golden Delicious,' but the difference between M.26 was not significant.

The tree in this study received minimal pruning and no thinning in the early years in hopes of evaluating the productive potential of these rootstocks. Trees on MAC 9 were particularly adversely affected by this treatment and at 10 years of age had very sparse canopies with weak pendant branches, very little terminal growth and appeared as senescent trees. Trees on M.9 and M.26 exhibited a much better balance of growth and did not appear senescent.

In summary, trees on MAC 4, MAC 16 and MAC 24 were too large for intensive orchard systems and were slow to begin bearing and relatively inefficient. Although trees on MAC 1 were a desirable size, they lacked productivity and prococity. Trees on MAC 9 (MARK) were not as productive or efficient as trees on M.9 and M.26 and at 10 years of age trees on MAC 9 did not have a desirable balance of growth and appeared senescent.

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Erratum

Index page 45 in Vol. 43(2) — The paper "Five New Low-Chill Peach Cultivars" by W. B. Sherman and R. E. Rouse was not included and will be in Vol. 43(3) page 120.

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New York Apple Taste Panel Results

Cultivar	Percent ranked		
	Poor	Okay	Good
Empire	0	17	83
74840-1	17	33	50
75413-30	17	17	67
Liberty	0	33	67
75413-96	0	50	50
Marshal Mc	17	33	50
Mutsu	17	50	17
75441-67	0	83	17
Florina	0	100	0
75414-1	50	33	17

Conducted by Bob Lamb.