

SUMMARY OF CURRENT AVOCADO RESEARCH ISOZYMIC
CONFIRMATION OF HYBRID PARENTAGE FOR 'G755' SELECTIONS

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G755 rootstocks are becoming popular because of their superior root-rot resistance. Their intermediate morphology suggests that these rootstocks may be a product of interspecific hybridization of avocado (Persea americana Mill.) and coyou (P. schiedeana Nees), but genetically-based characters must be used to test this hypothesis. We used diagnostic isozymes from five loci to distinguish between the two putative parents. We then analyzed the G755 genotypes; in every case, they had isozymes at the diagnostic loci that combined those found solely in avocado with those found solely in coyou, confirming the hybrid origin of these rootstocks. All available evidence points to the Guatemalan race of avocado as the most likely avocado parent of these hybrid rootstocks.