

Title Early generation evaluation in *Antirrhinum majus* for prediction of cutflower postharvest longevity.  
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#### **Abstract**

On-plant floret longevity and cut flower postharvest longevity (PHL) of snapdragon (*A. majus*) were evaluated using inbreds P1 (16 day PHL) and P2 (6 day PHL), F1 (P1 x P2), F2 (F1 self-pollinated), F2 x F2 (among and within PHL categories: long, 17-25 days; middle, 9 days; and short, 2-3 days), and F3 families (F2 self-pollinated). F2 on-plant floret longevity and PHL correlated to later generation PHL. Prediction of progeny PHL from F2 x F2 matings appears feasible if genotypic value for PHL of F2 is known. Selection for PHL is best based on evaluation of multiple cut flowers per genotype. Significant additive and dominant genetic variance components contribute to PHL.