

Title Effect of holding solutions on vase life of cut miniature roses
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Abstract

A comparative study of holding solutions containing 30 mg/L sodium dichloroisocyanurate (DICA), 250 mg/L 8-hydroxyquinoline sulfate (HQS) and 150 mg/L Physan-20 together with 5 % sucrose to improve vase life of 'Red Local', 'Orange Sky', 'Pinky Show' and 'Yellow Queen' cut miniature roses was carried out at room temperature. Vase life of 'Red Local' and 'Orange Sky' cut roses improved most in to solution containing HQS + sucrose, while 'Pinky Show' and 'Yellow Queen' cut roses were maintained longer in solution containing DICA + sucrose compared to tap water. Either one or both of these two holding solutions increased solution uptake and fresh weight and decreased bent neck of cut roses compared to tap water.