

STANDARDIZATION OF *IN VITRO* PROTOCOL OF MINI ROSE CULTIVARS FOR DEVELOPMENT OF LARGE SCALE QUALITY PLANTING MATERIALS

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Mini roses have become very popular for its diversity in colour and form and for easy growing in pots. Considering its commercial demand, micropropagation technique has been standardized for development of large scale quality planting materials of three promising mini rose cultivars. The cvs. Cotton Tail and Lucknow City were better responding than the cv. Summer Snow. About 85-90% sprouting of buds were achieved in 0.2 mg/l IAA and 2.0 mg/l BAP supplemented media. Addition of 0.5 mg/l gibberelic acid (GA₃) in 0.2 mg/l IAA + 4.0 mg/l BAP containing media improved shoot multiplication rate. All the rooted shoots were successfully transferred to the field.

Keywords : Axillary bud, micropropagation, mini rose, nodal explant.
