ABSTRACT

In vitro propagation study was carried out in heliconia hybrid ‘Golden Torch Adrian’ using shoot tip explants, with an objective to standardize a faster and reliable multiplication technique. For culture establishment, addition of BA 5.00 mg l\(^{-1}\) to the basal MS (Murashige and Skoog) medium gave better results. Shoot proliferation via enhanced release of axillary buds was achieved with the supplementation of BA 2.00 mg l\(^{-1}\) and NAA 0.2 mg l\(^{-1}\). Full MS medium supplemented with NAA 0.50 mg l\(^{-1}\) recorded the highest number of roots under in vitro conditions. The rooted plantlets were successfully planted out in sand medium.

Key words: Heliconia hybrid, Golden Torch Adrian, In vitro propagation, Shoot tips