Propagation of Japonica Branca (*Ayapana triplinervis* (Vahl) R. M. King & H. Rob.) by Cutting.

Gleiciane Rodrigues dos Santos, Ruanny Karen Vidal Pantoja Portal, Carmen Célia Costa da Conceição, Milton Guilherme da Costa Mota

[1] Universidade Federal Rural da Amazônia
milton.mota@ufra.edu.br

Keyword: aromatic; asexual propagation.

The objective of this study was to develop a propagation system by cutting for cultive of Japana branca. This species is an herb that occurs in the Amazon belonging to Asteraceae family, which use is in the traditional medicine of the region (1). It has also been indicated for essential oil extraction aimed at the pharmaceutical industry, perfumery and cosmetics (2,3). The trials were conducted in the experimental area of the Institute of Agricultural Sciences of the Federal Rural University of Amazonia, campus Belem – Para - Brazil. Cuttings with 20 cm in length were obtained from mother plants grown in full sun. The experimental design was a randomized blocks design with 3 types of cuttings (apical, median and basal branch), 9 replications and 5 cuttings per treatment. The cuttings were planted in plastic tubes with dimensions of approximately 20 cm long and 5 cm in diameter, containing vermiculite as substrate and placed in a greenhouse at 50% brightness and intermittent mist, where they remained for a period of 60 days. The following parameters were evaluated: rooting percentage, root number and length of roots. Data were submitted to analysis of variance by SISVAR program and averages submitted to Tukey test at 5% probability. The assay produced on average 90% of rooted cuttings and statistically significant difference only for the number of roots, where the average of the number of roots in the apical stakes were higher than other types of cuttings. By results obtained the Japana branca can be propagated, normally, by cuttings taken from the plant apical, median and basal part, however, the apical cuttings was more efficient.

1. Distase, L.C.; Hiruma-Lima, C.A. Plantas Medicinais na Amazônia e na Mata Atlântica. São Paulo. Editora Universidade estadual Paulista, 2002. p. 463-491
2. Maia, J.G.S.; Zoghbi, M.G.B.; Andrade, E.H.A. Plantas aromáticas na Amazônia e Seus Óleos Essenciais. Belém: Museu Paraense Emílio Goeldi, 2001. 173p.
3. Zoghbi, M.G.B.; Mota, M.G.C.; Conceição, C.C.C. Plantas Aromáticas do Ver-o-Peso. Belém: UFRA/MPEG, 2014. 332p.

Agradecimentos: UFRA, MPEG, UFPA.