

**EFFECT OF DIFFERENT POTTING MEDIA FOR  
PROPAGATION OF  
TIPPILI (*Piper longum* and *Piper samentosum*)**

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## ABSTRACT

*Piper longum* and *Piper samentosum* are two species of tippili, widely used in ayurvedic medicinal raw materials in Sri Lanka. The aim of this study was to find out the effective species, potting medium, and polythene type for vegetative propagation of tippili for commercial scale cultivation using stem cuttings. Two species of tippil (*P. longum* and *P. samentosum*), polythene types (Black, Transparent) and four potting media were selected. *P. longum* species showed higher root length (22.57 cm) among two species. Soil: Sand: Cow dung 1:1:1 showed higher shoot height (8.07 cm), higher root length (24.6 cm) and higher root dry weight (0.81 g). According to that *P. longum* is the bet species and Soil: Sand: Cow dung 1:1:1 medium is the best medium for vegetative propagation using stem cutting. There is no any effect of transparence polythene and black polythene for vegetative propagation of tippili. *P. longum* in Soil: Sand: Cow dung 1:1:1 can be recommended for commercial cultivation of Tippili in vegetative propagation.

Key words – *Piper longum*, *Piper samentosum*, propagation, vegetative, species