



Use of Municipal Garbage as Potting Media in Nursery Production of *Ailanthus triphysa* (Dennst.) Alston Seedlings

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Abstract: The present investigation was conducted suitability of two weeks decayed or stored waste materials as component of potting media and its influence on the seedling performance of *Ailanthus triphysa* (Matti) seedlings. The municipal waste, coir waste and tea wastes were mixed with sand and soil in different concentrations. Results of the study indicated that the growth attributes like height (44.72cm), girth (11.79 mm), biomass (above (12.66g) and below ground (8.60g), quality index (527.25) and biovolume (1.29) highest values were observed in soil: partly decayed municipal waste in 1:1. Similarly, chlorophyll content was recorded highest in soil: partly decayed tea waste: sand in 1:1:1. The nitrogen content of the tissue recorded maximum value in the potting media of soil: partly decayed municipal waste in 1:1, potassium content in tissue was maximum in soil: partially decayed municipal waste: sand.

Key Words: *Ailanthus triphysa*, Potting media, Quality index, Municipal waste, Biomass production, Vigour index
