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Effect of different growth regulators on propagation of Cape jasmine (*Tabernaemontana coronaria* var. Dwarf) in subtropical zone of West Bengal

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ABSTRACT : The present investigation was carried out to study the effect of different growth regulators on propagation of tagor (*Tabernaemontana coronaria* var. Dwarf) in subtropical zone of West Bengal under natural ventilated polyhouse at Mondari farm of Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal, during 2014-15 and 2015-16. All parameters were significantly varied among the treatments during investigation (T₁: IAA @1000 ppm, T₂: IAA @2000ppm, T₃: IAA @3000ppm, T₄: IBA @1000ppm, T₅: IBA @2000ppm, T₆: IBA @3000ppm, T₇: NAA @1000ppm, T₈: NAA @2000ppm, T₉: NAA @3000 ppm, T₁₀: Control). After studying of two consecutive years, it has been found that NAA at higher concentration is best for plant multiplication of tagor during rainy season in subtropical zone of West Bengal followed by IAA and IBA at 3000 ppm. Tip cuttings and semi hard wood cuttings of tagor were markedly influence in terms highest number of plant and quality of plant production, respectively.

KEY WORDS : *Tabernaemontana coronaria* var. Dwarf, Propagation, Growth regulators, Sub-tropical zone

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