



## Research Paper

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# Studies on influence of growth regulators and nutrient foliar spray on seedling growth of tamarind (*Tamarindus indica* L.)

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**ABSTRACT :** A pot experiment was conducted to study the influence of growth regulators and nutrient foliar spray on seedling growth of tamarind. Growth regulators which were studied viz., gibberellic acid (100, 200 and 300 ppm), NAA (100, 200 and 300 ppm), tricontinol (5 and 10 ppm), nutrients like urea (1 and 2 %), water soluble NPK (1 and 2 %), cow urine (5 and 10 %) and distilled water as control. The treatment with GA<sub>3</sub> 300 ppm recorded the maximum seedling height (50.57 cm), seedling collar girth (2.18 cm), number of leaves (60.5), fresh and dry weight of shoots (29 g and 9.25 g, respectively), fresh and dry weight of roots (8.60 g and 4.60 g, respectively), number of days (137.73) taken to reach graftable size. Whereas, the minimum values was recorded for all the parameters in control.

**KEY WORDS :** Gibberellic acid, NAA, Urea, NPK, Vigour index, Tamarind

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