

STANDARDIZATION OF DOSE OF IBA AND NAA FOR MULTIPLICATION OF SPINE GOURD

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ABSTRACT : Standardization of doses of IBA and NAA for multiplication of spine gourd was carried out at the Department of Horticulture, Allahabad Agricultural Institute-DU, Allahabad. Observation on days required to 50% sprouting, height of sprout, stem diameter and number of branches were taken. Minimum days (6.58 days) required for 50% sprouting was recorded with T₁₀, followed by T₄ (7.68 days). The maximum height of sprout was observed with T₁₀ (27.58 cm) which was at par with T₄ (27.42cm). Maximum stem diameter (0.42 cm) was observed with T₁₀. T₁₀ was recorded to have maximum number of branches (14.50). It can be concluded that treatment T₁₀ (IBA 200 ppm) followed by T₄ (NAA 150 ppm) were found to be the best.

Key Words : Spine gourd (*Momordica dioica* Roxb.), multiplication, IBA, NAA, standardization.