

EFFECT OF DIFFERENT DOSES OF IBA AND ROOTING MEDIA ON ROOTING OF STEM CUTTING OF LEMON (*CITRUS LIMON BURM*) CV. PANT LEMON-1

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Abstract: The present investigation was conducted during 2011-12 at Horticultural Research Centre of Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut (UP) - 250110. The experiment was laid of Randomized Block Design (RBD) with three replications. The experiment consisted of ten treatment viz., T₁ - 400ppm IBA + garden soil + sand (1:1), T₂ - 400ppm IBA + garden soil + sand + FYM (1:1:1), T₃ - 400ppm IBA + garden soil + sand + vermi-compost (1:1:1), T₄ - 800ppm IBA + garden soil + sand (1:1), T₅ - 800ppm IBA + garden soil + sand + FYM (1:1:1), T₆ - 800ppm IBA + garden soil + sand + vermi-compost (1:1:1), T₇ - 1200ppm IBA + garden soil + sand (1:1), T₈ - 1200ppm IBA + garden soil + sand + FYM (1:1:1), T₉ - 1200ppm IBA + garden soil + sand + vermi-compost (1:1:1), T₁₀ - Control (Garden soil). Out of these, the treatment 800ppm IBA + garden soil + sand + vermi-compost (1:1:1) was gave significant results on rooting of stem cuttings and survival percentage of lemon (*Citrus limon* Burm) cv. Pant Lemon-1 as compared to control ones under western UP conditions.

Keywords: Lemon stem cutting, IBA, Vermicompost, Survivability

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