

EFFECT OF SEED TREATMENT ON GERMINATION AND SURVIVABILITY OF CUSTARD APPLE

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Abstract: The experiment comprised of 14 treatments, viz. T₁ (control/without water soaking), T₂ (Water soaking), Gibberellic acid concentrations -T₃ (200 ppm), T₄ (300 ppm), T₅ (400 ppm), and chemicals viz. T₆ (Thiourea 0.5%), T₇ (Thiourea 0.75%), T₈ (Thiourea 1.00%), T₉ (KNO₃ 0.5%), T₁₀ (KNO₃ 0.75%), T₁₁ (KNO₃ 1.00%), T₁₂ (Sodium thiosulphet-150 ppm), T₁₃ (Sodium thiosulphet-200ppm), T₁₄ (Sodium thiosulphet-250 ppm) was conducted to study the effect of chemicals and plant growth regulators on germination, vigour of seedling and survivability of custard apple. Among the various treatments, GA₃ concentration at 400 ppm (T₅) was proved superior in respect to germination of custard apple seed as well as growth parameter and survival of custard apple seedling.

Keywords: Custard Apple, Chemicals, Plant growth regulators, Germination, Survival

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