



Effect of Seed Inoculation with Actinomycetes and Rhizobium Isolated from Indigenous Soybean and Rhizosphere on Nitrogen Fixation, Growth, and Yield of Soybean

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Abstract:

The present study was initiated to determine whether isolates from soil and of soybean plants can express nitrogenase activity when grown in the absence of plant host. The study was conducted to answer the question “can benefit gained by” the interaction between Actinomycetes and Rhizobium symbiosis with legume. Thirty-five isolates identified as Rhizobium and twenty-one Actinomycetes were isolated from the rhizosphere of soybean plants and identified by morphological character, biochemical content identified. Fifty-six isolates were tested for their