

**RESEARCH ARTICLE :**

## Effect of application of PGPRM on growth parameters of cashew seedlings under polyhouse condition

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**SUMMARY :** *Azotobacterchroococcum*, *Bacillus megaterium*, *Pseudomonas fluorescens*, *Trichoderma viride* and *Glomus fasciculatum* were found to be efficient PGPR microorganisms. Hence, they were subjected to compatibility test by dual culture method. All the four PGPR microorganisms (*A. chroococcum*, *B. megaterium*, *P. fluorescens*, and *T. viride*) were found to be compatible under *in vitro* condition both on solid and in liquid media. Percentage of germination and plant height at different intervals were found to be maximum in the treatments which received *B. megaterium* with *P. fluorescens* and *B. megaterium* with *G. fasciculatum*, respectively. The stem girth of cashew seedlings before and after were found to be maximum in the treatment receiving *B. megaterium* with *G. fasciculatum*.

**KEY WORDS :**

*Azotobacterchroococcum*,  
*Bacillus megaterium*,  
*Pseudomonas fluorescens*,  
*Trichoderma viride*  
and  
*Glomus fasciculatum*

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