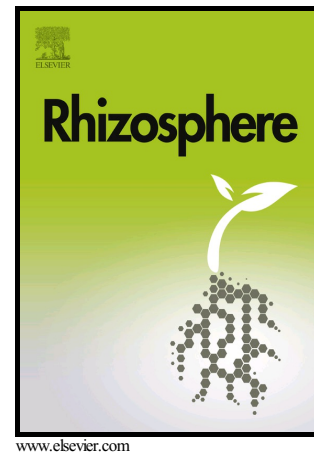


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## **Interactions between microbial plant growth promoters and their effects on maize growth performance in different mineral and organic fertilization scenarios**

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### **Abstract**

We examined interactions between microbial plant growth promoters and their single and combined effects on maize plant growth with and without mineral NPK fertilization and with and without organic fertilization in terms of maize stover. Two similar greenhouse pot experiments were performed one with disinfected soil and another with non-disinfected soil as growth substrate. Three commercial microbial biofertilizers were examined including the arbuscular mycorrhizal (AM) fungus *Rhizophagus irregularis*, the saprotrophic fungus *Trichoderma harzianum* and the rhizobacteria *Azospirillum brasilense*. In general microbial inoculations had limited effects on maize growth compared to mineral and organic

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