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Effect of bio-fertilizers on general and beneficial microbial population in the rhizosphere of garden rue (*Ruta graveolence* Linn.)

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ABSTRACT : A pot experiment was carried to study effect of bio-fertilizers on general and beneficial microbes in the rhizoshere of garden rue plants. Three bio-fertilizers such as *Azospirillum lipoferum*, *Pseudomonas striata* and *Pseudomonas fluorescence* were in liquid formulation as single, dual and triple inoculation by dipping roots of seedling for up to 20 minute before transplanting. Results revealed that, inoculation of bio fertilizers significantly increased both beneficial and general microbial population in rhizosphere of garden rue. Among all the inoculation dual and triple inoculation of bio-fertilizers were recorded maximum CFU g^{-1} soil with respect beneficial and general micro-flora except fungi and actinomycetes.

KEY WORDS : Biofertilizers, Microbial population, Rhizosphere

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