

# Isolation and Development of Native Strains of *Rhizobium* and P-solubilising Bacteria for Rice Fallow Blackgram

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## ABSTRACT

Isolation of native strains of *Rhizobium* and P-solubilising bacteria was done from rhizosphere soils of rice-fallow blackgram. Native Rhizobial strains of RBG 314 and RBG 301 were found promising and RBG 314 recorded the highest plant drymatter production. The PSB isolates AMT 1001 and AMT 1005 produced the higher solubilization zones. A pot experiment conducted using the combination of these isolates, indicated significant effect on dry matter production in blackgram and also indicated synergistic effects of dual inoculation of *Rhizobium* & PSB on blackgram.

**Key words:** Dry weight of plants, Native strains of *Rhizobium*, P-solubilising bacteria, Solubilisation zone.