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The effect of *Bradyrhizobium* inoculation on yield and seed quality of guar (*Cyamopsis tetragonoloba* L.)

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Abstract

Bradyrhizobium strains TAL 169 and TAL 1371 (introduced) and strains ENRRI 16A and ENRRI 16C (local) were used to inoculate five guar cultivars, namely, HFG-75, HFG-182, HFG-363, HFG-408 and WB-195 in a factorial field experiment. The objective of the experiment was to study the effect of inoculation on yield, proximate analysis and mineral composition. Most of the *Bradyrhizobium* strains significantly increased yield, protein, crude fibre, and mineral content. The locally-isolated strains affected these parameters more than the introduced ones. This study revealed that inoculation with *Bradyrhizobium* strains improved yield and seed quality of guar. © 1999 Published by Elsevier Science Ltd. All rights reserved.

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