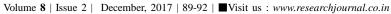
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**RESEARCH ARTICLE** 

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## Effect of pruning levels of *Glyricidia sepium* on growth and productivity of field crops

H.Y. PATIL, S.M. MUTANALAND M.V. MOKASHI

**ABSTRACT :** A field experiment was initiated at Main Agricultural Research Station, UAS, Dharwad from 2011-12 and 2012-13. *Glyricidia sepium* was grown at 10 m alley and planted at 1 m apart. Four pruning intensities were imposed on *Glyricidia sepium* alleys. Both groundnut and bengalgram crops were grown sequentially in the inter space of alleys. The groundnut pod yield and grain yield of bengalgram were significantly higher in Glyricidia pruned at 75 per cent of height as compared to the other pruning levels. Pruning of Glyricidia had significantly higher number of branches and total biomass with Glyricidia pruned 75 per cent of height as compared to other treatments. This may be due to higher number of branches and higher number of prunings.

KEY WORDS: Pruning, Coppicing, Glyricidia sepium, Alley

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