



Response of Nitrogen and Phosphorus on Growth and Yield of Greengram in *Eucalyptus tereticornis* Based Agri-silvicultural System

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Abstract: A field experiment was conducted to study the response of various fertilizer levels on *Vigna radiata* (L.) under 5-6 year old *Eucalyptus tereticornis* sm. On the basis of average of two crop seasons 20 per cent less plant height, 35 per cent less LAI and 33 per cent less LAD at harvest was recorded under eucalypts sown greengram than open sown greengram. The grain, stover and biological yield increased significantly upto recommended dose of fertilizer in both the systems during both the years. Poor yield attributes of greengram under eucalypts resulted in 53 per cent and 50 per cent reduction in grain and stover yield respectively in greengram under *Eucalyptus tereticornis* as compared with sole greengram.

Key Words: Nitrogen, Phosphorus, Greengram, *Eucalyptus tereticornis*, Crop Yield
