

Effect of Spacings on Growth and Yield of Pigeonpea

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ABSTRACT

A field experiment was conducted at S.V. Agricultural College wetland farm, Tirupati, to study the performance of pigeonpea genotypes under varied spacings in Southern Agro-climatic Zone of Andhra Pradesh during *rabi* 2010. The treatments consisted of combination of two factors *viz.*, four varieties (LRG-41, TRG-7, TRG-22 and ICPL-85063) and three spacings (45x15 cm-1,48,148 plants ha⁻¹, 60x15 cm-1,111,11 plants ha⁻¹ and 75x15 cm-88,888 plants ha⁻¹). The variety ICPL-85063 at spacing of 45x15 cm recorded the higher growth parameters, yield attributes and yield. The present study has revealed that the variety ICPL-85063 spaced at closer spacing of 45x15 (1,48,148 plants ha⁻¹) cm resulted in higher seed yield and economic returns followed by TRG-22 and LRG-41 at same row spacing.

Key words : Pigeonpea, Spacings, Varieties.