

Effect of Spacing on Growth and Yield of *Jatropha curcas* under Rainfed Conditions of Southern Zone of Andhra Pradesh

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ABSTRACT

A field experiment was initiated during the year 2005 on sandy clay loam soils at Regional Agricultural Research station, Tirupati to study the influence of various spacings on growth and yield of *Jatropha curcas* under rainfed conditions. The results of data recorded from pooled analysis of two consecutive years revealed that the *Jatropha* plants planted at 4mx2m spacing (1250 plants ha⁻¹) recorded higher growth and yield followed by 3mx3m (1111 plants ha⁻¹) and 3mx2m (1666 plants ha⁻¹) spacings and significantly the lowest growth and yield was recorded under 2mx2m (2500 plants ha⁻¹) spacing.

Key words : Canopy spread, *Jatropha curcas*, Plant height, Pod yield, Seed yield, Spacing,.