

Performance and Evaluation of Bullock drawn Groundnut Planter in Farmers Fields of Anantapuram District of Andhra Pradesh

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ABSTRACT

On-farm demonstrations were conducted in 15 villages of Anantapuram district with an area of 6.0hecters during kharif season over a period of 3 years from 2011-12 to 2013-14. Two types of sowing machinery i.e, developed bullock drawn groundnut planter and bullock drawn local seed drill were used for sowing of groundnut. Demonstrations revealed that the recommended seed rate of 100 Kg ha⁻¹ was dropped by the bullock drawn groundnut planter due to well designed metering mechanism, while it was not possible in local seed drill because of manual dropping of seed. Higher plant height, yield attributes and 8.6 per cent more yield of groundnut was recorded with bullock drawn groundnut planter compared to bullock drawn local seed drill. Pod yield 755.4 Kg ha⁻¹ was obtained with bullock drawn groundnut planter it was 695.8 Kg ha⁻¹ with bullock drawn local seed drill.

Key words : Automatic bullock drawn groundnut planter, Groundnut.