

Production Potential and Economics of Groundnut (*Arachis hypogaea* L.) Based Intercropping Systems in Rainfed Alfisols of Southern Agro-climatic Zone of Andhra Pradesh

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ABSTRACT

Field experiments were conducted for three years to study groundnut based intercropping in alfisols of southern agro-climatic zone. The study revealed that groundnut pod yield showed significant variation under different intercrops. Reduced population and competition from intercrops reduced groundnut pod yield, however, compensated through intercrop yield. Among different groundnut based cropping systems, groundnut and pigeonpea in 7: 1 gave higher pod equivalent, followed by 11: 1. Groundnut with sorghum and pearl millet in 6: 2 resulted in lower groundnut pod equivalent.

Key words : Castor, Groundnut, Intercrops, Pearl Millet, Pigeonpea, Sorghum