

## Effect of tillage management in rice (*Oryza sativa* )- groundnut (*Arachis hypogaea* L.) cropping system

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### ABSTRACT

A field trial was conducted during 1997 to 2007 at Vyara-Gujarat, to study effect of tillage management in rice (*Oryza sativa*)- groundnut (*Arachis hypogaea*) cropping system. Ploughing 6" deep every season or every year proved a better for higher grain and groundnut pod yield. Further effect of tillage frequency was not observed on rice crop but groundnut crop responded significantly to tillage. Deep ploughing once or twice in year improve rice based equivalent gross income, net return and benefit: cost ratio. Additional expenditure (aprox Rs. 3000) for ploughing was compensated by additional net income (aprox Rs. 5000)

Key words : Ploughing, Rice, Groundnut, Tillage management, Cropping system