



**Research Paper**

# Rice based farming system models for enhancing profitability of small farm holders in Telangana

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**Paper History :**

**Received** : 24.06.2016;

**Revised** : 10.08.2016;

**Accepted** : 27.08.2016

**ABSTRACT :** Rice is cultivated on an area of about 1.67 million hectares with a production of 4.9 million tonnes in Telangana. The study has assessed the profitability of the major rice based integrated farming systems in Rangareddy district of Telangana. The data for the study were collected from 36 small holder rice farmers of three villages of Rangareddy district during 2016. The rice based integrated farming systems evaluated include, rice-rice, rice –pigeonpea-vegetable, rice-vegetable-dairy, rice-cotton-vegetable, rice-vegetable-dairy, rice-vegetable-sheep and rice- vegetable-fodder-dairy. The results indicate that the rice based farming systems allows farmers to realise higher profits than the conventional mono cropping of rice. The integration of rice with vegetable cultivation and pigeonpea cultivation/sheep/dairy resulted in higher B: C ratio than the cultivation of rice alone.

**KEY WORDS :** Rice based farming systems, Profitability, Small farm holders, Cost effective technologies

**HOW TO CITE THIS PAPER :** Bandumula, Nirmala and Waris, Amtul (2016). Rice based farming system models for enhancing profitability of small farm holders in Telangana. *Internat. Res. J. Agric. Eco. & Stat.*, **7** (2): 243-247, DOI : 10.15740/HAS/IRJAES/7.2/243-247.