

# **Evaluation of Water Saving Rice Production Systems in Krishna Western Delta of Andhra Pradesh**

**G Subba Rao, D Srinivas, B Mukunda Rao, T V Satyanarayana and K N Ravikumar**

A P Water Management Project, Bapatla - 522 101, (A.P), India.

## **ABSTRACT**

Different low land rice production systems have been studied in the farmer's field at Chintalapudi village, Guntur district of Andhra Pradesh for their grain yield and water use efficiencies during kharif 2004. System of rice intensification (SRI) recorded highest grain yield (8380 kg ha<sup>-1</sup>) followed by semi-dry Rice (650 kg ha<sup>-1</sup>) and rotation system of irrigation (6420 kg ha<sup>-1</sup>) when compared with farmer's practice of growing rice with continuous flooding (6250 kg ha<sup>-1</sup>). SRI also resulted in 34% yield advantage with 26% of irrigation water saving over farmer's practice of flood irrigation.

**Key words :** Evaluation, Rice, Systems, Water saving