

# **Comparison of Crop water requirement with actual water applied in Kalipatnam Extension Channel Command of Godavari Western Delta**

**P Sreedevi, R Ganesh Babu, R A Raju and Ch Sreenivas**  
A P Water Management Project, Network Centre, Undi-534 199. (AP)

## **ABSTRACT**

The water requirement studies of rice crop in *Kharif* and *Rabi* seasons of Kalipatnam Extension Channel command of Godavari Western delta was done for the years 2005-06 and 2006-07 by a computer simulation model called CRIWAR. The study revealed that farmers are applying 45 to 55% excess quantity of water during *Kharif* seasons and 2 to 8% more than crop water requirement in *Rabi* season. In spite of applying more quantity of water, there is no positive effect on crop yield. This indicates that applying excess water is not advantageous and instead it is the wastage of valuable water resource.

**Key words** : : Actual water applied, Command area, Crop water requirement.p