

Standardization of Nitrogen Dose to the Popular *Kharif* Rice (*Oryza sativa* L.) Varieties in Central Telangana Region of Andhra Pradesh

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ABSTRACT

A field experiment was conducted at Regional Agricultural Research Station, Warangal during *kharif* season of 2008 and 2009 to validate and optimize the nitrogen dose to the popular *kharif* rice varieties in Central Telangana Zone of Andhra Pradesh. Among the varieties, MTU-1001 performed superior to WGL-32100, WGL-14 and Keshava in yield attributes, yield, nitrogen uptake and net returns. WGL-32100 and WGL-14 were at par with each other. All the rice varieties responded up to 180 kg N ha⁻¹ (150 % of the recommended N) which was found to be optimum dose for the Central Telangana region of Andhra Pradesh.

Key words : High Yielding Variety, Net returns, Nitrogen, Rice, SPAD reading.