

RESEARCH ARTICLE :

Influence of seedling age on yield and economics of different rice landraces in Tamil Nadu

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SUMMARY : A field study was conducted at Tamil Nadu Agricultural University, Coimbatore in wetland during *Samba* season 2014-15 with an objective to study the effect of seedling age on yield and economics of rice landraces under irrigated rice ecosystem. The experiment was laid out in Split Plot Design with three replications. The treatment in main plot with three age of seedlings viz., 15, 20 and 25 days seedlings and sub plot eight rice landraces viz., *Chandikar*, *Kuliyadichan*, *Kuruvaikalanjiyam*, *Norungan*, *Nootripathu*, *Black Kavuni*, *Red Kavuni*, *Njavara* and CO(R) 50 (one high yielding variety). Observations were recorded on grain yield and straw yield at the time of harvest. The economics of different treatments was also worked out. The study concludes that 15 days old seedlings recorded higher mean grain and straw yield of 2,459 kg ha⁻¹ and 6,762 kg ha⁻¹ over 20 and 25 days old seedlings with higher gross return, net return and B:C ratio. In rice landraces, *Red Kavuni* recorded higher grain, straw yield and B:C ratio compared to other rice landraces. *Njavara* recorded higher gross return and net return.

KEY WORDS :

Age of seedlings,
Economics, Rice
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