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RESEARCH PAPER

Effect of organic manures and liquid organic manures on growth, yield and economics of aerobic rice cultivation

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Abstract : Field experiment was conducted to know the response of organic manures on growth, yield, quality and economics of aerobic rice during *Kharif* 2011 at MARS, Dharwad. Results indicated that among organic treatments combined application of EC(1/3) + VC(1/3) + GLM(1/3) equivalent to RDF + FYM in combination with foliar application of jeevamrut @ 500 l ha⁻¹ at planting, 30 and 60 DAS + panchagavya @ 5 per cent at panicle emergence and flowering stages recorded significantly higher growth parameters with higher grain yield (3837 kg ha⁻¹) and straw yield (5855 kg ha⁻¹) which was on par with control treatments *i.e.*, RDF + FYM and RDF only. But the net return (Rs.36,366) was higher with combined application of EC(1/3) + VC(1/3) + GLM(1/3) equivalent to RDF + FYM in a combination with foliar application of jeevamrut @ 500 l ha⁻¹ at planting, 30 and 60 DAS + cow urine @ 10 per cent at panicle emergence and flowering stages and B:C (2.49) was higher with combined application of EC(1/3) + VC(1/3) + GLM(1/3) equivalent to RDN + cow urine @ 10 per cent at panicle emergence and flowering stages this might be due to lower cost of cultivation with these treatments.

Key Words : Aerobic rice, Jeevamrut, Panchagavya, Grain yield, Net returns

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