



Research Paper

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Evaluation of water regime and fertigation on growth, yield and economics of sweet orange (*Citrus sinensis* Osbeck) cv. MOSAMBI

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ABSTRACT : A field experiment was conducted during February 2012 to December 2012 at College of Agriculture, under PFDC, ARS located at campus of S.K.R.A.U, Bikaner. The experiment was laid out in split - plot design with four replications and consisted of twelve treatment combinations, comprised of four water regimes (0.6, 0.8 and 1.0 volume of water through drip and another one 1.0 volume of water by surface irrigation method) and three RDF levels of NPK (75, 100 and 125% RDF). The maximum growth of plants was recorded with 1.0 volume of water through drip along with fertigation of 125 per cent RDF. As well as the maximum yield and economics were observed with 0.8 volume of water through drip along with fertigation of 100 per RDF.

KEY WORDS : Water regime, Fertigation, Growth, Yield, Economics

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