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Influence of integrated nutrient management (INM) on growth and yield parameters of elephant foot yam under south Gujarat condition

S.N. SARAVAIYA, P.P. CHAUDHARY, D.A. PATEL, N.B. PATEL, M.P. AHIR **AND** V.I. PATEL

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See end of the article for authors' affiliations

Correspondence to :

S.N. SARAVAIYA
ASPEE College of Horticulture and Forestry, Navsari Agricultural University, NAVSARI (GUJARAT) INDIA

ABSTRACT

In order to explore the possibility of improving growth and productivity of elephant foot yam (EFY) by involving integrated nutrient management, an experiment was formulated and conducted during *Kharif* season of 2007-08 and 2008-09 at Rambhas Farm, Krishi Vigyan Kendra of Navsari Agricultural University, Gujarat, India. Nine treatment combinations were evaluated on elephant foot yam variety Gajendra, in randomized block design (RBD) with three replications. Application of 100 % RDF (Through IOS) + *Azospirillum* 5 kg ha^{-1} + PSB 5 kg ha^{-1} (T_7) was proved to be beneficial in connection with corm yield (55.33 t ha^{-1}) which was at par with the treatment of T_4 and T_1 .

Key words : Elephant foot yam (EFY), Organic fertilizers, Inorganic fertilizers, Bio-fertilizers, Growth and yield