Efficacy of Biofertilizers, Organic and Inorganic Fertilizers on Betelvine Performance cv. Local Kapoori in Coastal Saline Areas of Andhra Pradesh

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ABSTRACT

An investigation was conducted at 3 locations *viz.,* Machavaram, Kottapatnam and Inamadugu in coastal saline belt of Andhra Pradesh during 2001-02 and 2002-03 to know the efficacy of different types of bio fertilizers on Betelvine performance. Soil analysis was done for p^H, EC (mmhos cm^{-1}) and soil nutrient status (N P K Kg ha^{-1}) prior to and after application of biofertilizers. The soil analysis data revealed that there was no significant differences among all the treatments under study. Of the eight treatments tested, application of neem cake + urea (1:1) 200 kg N+ 100 kg P_2O_5 + 100 kg K_2O ha^{-1} (T_8) found statistically superior over other treatments in respect of vine growth, leaf yield and keeping quality of leaves. The mite damage and Phytophthora foot rot incidence were not significant due to application of various biofertilizers, organic and inorganic fertilizers and their combinations in the cultivar Local Kapoori.

Key words : Betelvine , Biofertilizers, Coastal saline belt, Local kapoori, Mite, Phytophthora damage, Soil nutrient status.