

Effect of Organic Manures and Inorganic Fertilizers on the Leaf Yield, Leaf Keeping Quality and Incidence of Pests and Diseases in Betelvine cv. Local Kapoori

Suman Babu P, Ramesh Choudhary and Karunakara Babu M
AICRP on Betelvine, Bapatla, Guntur (Dist.) - 522 101

ABSTRACT

Studies were conducted in farmer's fields at Machavaram, Kothapatnam and Inamadugu villages to workout the comparative performance of organic and inorganic manures in Betelvine for two years during *kharif* 2001 and 2002 in Betelvine cultivar Local kapoori. It was observed from the soil analysis that there was no much variation among p^H , EC, nitrogen and potash contents of the soil due to application of various oraganic and inorganic manures. The phosphate is significantly high in the CAN applied plots. Pooled data on plant characteristics over three centres on the average of two years revealed that the national recommendation of 200Kg N, 100Kg P_2O_5 and 100Kg K_2O per hectare + tricontinol 0.05% sprayed thrice at monthly interval found superior over the other treatments in respect of vine growth, leaf yield and keeping quality of leaves. The plots treated with castor cake alone (T1) and neem cake alone (T2) recorded lower incidence of tobacco caterpillar and mites.

Key words : Betelvine, Inorganic fertilizer, Leaf yield, Local kapoori, Organic manures.